W A R N I N G

IMPORTANT NOTICE
DO NOT DETACH

SUPERFUND CONFIDENTIAL BUSINESS INFORMATION

All or a portion of the attached document is claimed to be confidential business information by the submitter pursuant to CERCLA, as amended, §104. Unless and until EPA makes a determination that the document is not confidential business information, it must be treated as such.

Any person handling or using the attached document in any way is responsible for preventing unauthorized disclosure while in his or her possession. §1905 of title 18 of the United States Code and CERCLA, as amended, §104(e)(7)(B) provide penalties for disclosure of confidential business information. They include criminal penalties and adverse personnel actions.

The document may not be disclosed further or copied by you except as authorized by The Superfund CBI Manual. If you have any questions concerning the appropriate handling of this document, please contact the attorney assigned to this case or the Office of Regional Counsel, EPA, Region 9.

SDMS DOCID # 1148608

Site Assessment

California Car Hikers

11590 Tuxford Street

Sun Valley, California

Prepared for

WOOD, SMITH, HENNING & BERMAN
10960 Wilshire Boulevard, 18th Floor
Los Angeles, California 90024

May 15, 2012

By

LINDMARK ENGINEERING
2625 Townsgate Road, Suite 330
Westlake Village, California 91361

Project No. 2011-006

TABLE OF CONTENTS

Page

PROFESSIONAL CERTIFICATION i

STATEMENT OF LIMITATIONS I

1. INTRODUCTION 1

2. BACKGROUND 1
   - 2.1 Site Description 1
   - 2.2 Hydrogeologic Setting 2
     - 2.2.1 Verdugo Fault 2
     - 2.2.2 Rinaldi-Toluca and Tujunga Well Fields 3
   - 2.3 North Hollywood Operable Unit: Area 1 4
     - 2.3.1 History 4
     - 2.3.2 Depth Regions 4
     - 2.3.3 Groundwater Contamination 4
       - 2.3.3.1 Primary Chemicals of Concern 4
       - 2.3.3.2 Emerging Chemicals 5
     - 2.3.4 Groundwater Monitoring 5
       - 2.3.4.1 Basin-Wide Groundwater Monitoring Program 5
     - 2.3.5 Groundwater Treatment 5
       - 2.3.5.1 First Interim Remedy 5
       - 2.3.5.2 Second Interim Remedy 6

3. ENVIRONMENTAL REGULATIONS AND INDUSTRIAL USE OF CHLORINATED SOLVENTS 6

4. SCOPE OF WORK 7
   - 4.1 Well Rehabilitation 7
     - 4.1.1 Video Surveys, Well Development and Repair 8
     - 4.1.2 Elevation Survey 9
   - 4.2 Groundwater Monitoring: Wells 4917A and 4917B 9
   - 4.3 Borescope Investigation 10
   - 4.4 Agency and Public Records Research 12

5. EVALUATION OF STUDY AREA 12
   - 5.1 Sites of Interest 12
   - 5.2 Previous Assessments 15
     - 5.2.1 Soil-Matrix Data 15
     - 5.2.2 Soil-Gas Data 16
     - 5.2.3 Groundwater Monitoring Wells 17
     - 5.2.4 Groundwater Data 18
   - 5.3 Historic Use and Disposal of Chlorinated Solvents 18
     - 5.3.1 Manufacturing Companies 19
       - 5.3.1.1 Chemical Dumping into Septic Systems 20
     - 5.3.2 Landfills 22
   - 5.4 Evaluation of Groundwater Flow Directions and VOC Plumes 23
     - 5.4.1 Horizontal Groundwater and Chemical Flow Velocities 23

BIOCHLOR Dissolved Solvent Models 24
5.4.2 24
5.4.3 Vertical Chemical Flow Velocities 24
5.4.4 Conditions before 1988 25
5.4.5 Conditions after 1988 26

6. SUMMARY OF FINDINGS 27

7. CONCLUSIONS 33

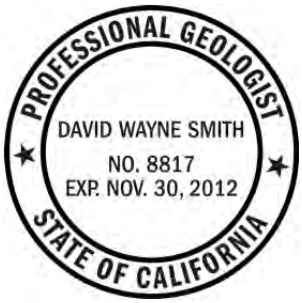
8. REFERENCES 35

Appendices

Tables – Tables 1 through 7
Figures – Figures 1 through 20
Appendix A – PCE and TCE Plume Maps
Appendix B – Wells 4917A and 4917B: Rehabilitation Documents
Appendix C – Wells 4917A and 4917B: 2010, 2011 and 2012 Groundwater Monitoring Data
Appendix D – Borescope Data
Appendix E – EDR Documents
Appendix F – Agency Research Documents
Appendix G – Soil-Gas Data
Appendix H – Septic System Information

PROFESSIONAL CERTIFICATION

This report has been prepared by



David W. Smith, PG
Senior Project Geologist
Professional Geologist

and

Ulf Lindmark, PE, BCEE
President
Registered Civil Engineer
Registered Environmental Assessor No. REA I-00195
Certified Hazardous Materials Manager No. 2725

STATEMENT OF LIMITATIONS

The services described in this report were performed in a manner consistent with Lindmark Engineering's agreement with the client and in accordance with generally accepted professional consulting principles and practices.

Opinions and recommendations contained in this report apply to conditions existing at certain locations when services were performed and are intended only for the specific purposes, locations, time frames, and project parameters indicated. Lindmark Engineering cannot be responsible for the impact of any changes in environmental standards, practices, or regulations after performance of services.

Any use of this report by a third party is expressly prohibited without a written, specific authorization from the client and Lindmark Engineering. Such authorization will require a signed waiver and release agreement.

This report is issued with the understanding that the client, the property owner, or its representative is responsible for ensuring that the information, conclusions and recommendations contained herein are brought to the attention of the appropriate regulatory agencies, as required.

1. INTRODUCTION

This report presents Lindmark Engineering's (LE) assessment of the property located at 11590 Tuxford Street, Sun Valley, California. The site is occupied by California Car Hikers.

California Car Hikers has been named a responsible party by the United States Environmental Protection Agency (EPA) in the North Hollywood Operable Unit (NHOU) Superfund matter on the basis that elevated levels of trichloroethylene (TCE) have been detected in a presumed downgradient well to the site since groundwater monitoring started in 1988, and that past landfill operations at the site caused this contamination. The EPA further believes that the site is a continuous source of TCE contamination to the public water supply.

In order to provide a full evaluation of the conditions at the subject site, LE has done extensive research of available public records pertaining to the site and the immediately surrounding properties. Since our research discovered many properties in the immediate vicinity of the site that were documented to have used chlorinated solvents, or likely would have used chlorinated solvents, the subject site and surrounding areas are described as the *Study Area* in our report. The past and current owners and operators of the properties near the site, which we have researched and identified, have to our knowledge not been considered by the EPA so far as potentially responsible parties (PRPs).

In addition to the research of records pertaining to the subject site and surrounding properties, LE and the consultants identified in this report have performed other work, including well rehabilitation, groundwater sampling in several events, and a borescope survey with the purpose to determine the groundwater flow direction beneath the site.

2. BACKGROUND

2.1 Site Description

The subject site is located at 11590 Tuxford Street, Sun Valley, California (see Site Vicinity Map, Figure 1). The areas surrounding the site were developed from farmland and residential to the current industrial and manufacturing use starting in the mid-1950s. The site is bounded by Tuxford Street to the north, Tujunga Avenue to the east, Penrose Street to the south, and Telfair Avenue to the west. The site is capped with concrete and asphalt and occupies approximately 26 acres. The site is operated by California Car Hikers and has been used as an auto salvage yard since 1961. The southern half of the site was used by the Los Angeles Metropolitan Transportation Authority as a bus maintenance facility from approximately 1973 to 1983. There is no record of any parts washing or degreasing at the site. Prior to 1961, the site was a daily cover-type landfill that could accept only nonhazardous dry materials.

The landfill, which was called Tuxford Dump, was operated by the previous owner, Los Angeles By-Products, from April 1948 to May 1949 when it was temporarily closed, and then from 1955 to October 1, 1960, when operations as a landfill terminated. The landfill was located within a 20-acre depleted sand and gravel quarry. The bottom of the excavation extended to a maximum depth of 710 feet above mean sea level (MSL) in 1954. At that time the groundwater elevation in the vicinity of the site was approximately 615 feet above MSL (Los Angeles County Flood Control District, 1954). This elevation would equate to a depth to groundwater beneath the subject site of approximately 225 feet in 1954.

In 1988, two groundwater monitoring wells were installed with the purpose to provide upgradient and downgradient sampling points based on an assumed groundwater flow direction to the southeast.

In 1989, a methane recovery system was installed at the site and operated for about two years from 1989 to 1991. The methane gas was piped across Penrose Street to the Pacific Lighting facility at Penrose Landfill. As the landfill accepted only dry materials and mostly paper, glass and wood and operated for a relatively short period of time, there was not enough organic material to sustain any long-term methane production.

2.2 Hydrogeologic Setting

The site is located in the northeast portion of the San Fernando Valley near the Verdugo Mountains (see Figure 1, Site Vicinity Map). The San Fernando Valley is an elliptical, alluvium-filled extensional basin, approximately 23 miles long and 12 miles wide. Alluvium has been deposited from streams and rivers that have carried erosional debris from the surrounding upland areas. The valley is within the Transverse Ranges Geomorphic Province. This valley has several hydrogeologic subareas based on physiographic and geologic features (Law/Crandall, 1988). The site lies within the North Hollywood Subbasin of the San Fernando Valley Groundwater Basin.

The source of usable groundwater beneath the study area lies within Upper Pleistocene-age alluvial sediments. These deposits are conformably overlain by approximately 50 to 75 feet of Holocene-age alluvium (City of Los Angeles, 2005) and are underlain by older Pliocene and Miocene sedimentary formations, and crystalline bedrock. Both upper alluvial deposits consist of highly permeable alluvial fan sediments left by extant or ancient streams draining Tujunga and La Tuna Canyons. However, Holocene deposits are high above the water table and do not retain significant amounts of water. Underlying Pleistocene deposits consist of brown to reddish-gray silty, subangular sand, cobbles and boulders, typically becoming finer away from the sediment source. The alluvial units are highly permeable with a thickness of at least 450 feet (CSWRB, 1962). No nearby wells have reached underlying, older Plio-Pleistocene formations. Permeability of the Pleistocene alluvium was evaluated using available infiltration data and water level information obtained during construction of the monitoring wells. The groundwater flow and chemical (solute) velocities across the site has been estimated using permeability and gradient information in Section 5.4.1.

Regionally, groundwater flow directions in the Pleistocene aquifer of the San Fernando Valley are influenced by variations in water supply and pump rate. Generally, movement of water is controlled by four main factors: 1) spreading at Tujunga Spreading Grounds, 2) infiltration of direct precipitation, 3) inflow from Hansen subarea across the Verdugo Fault; and 3) withdrawal from Los Angeles Department of Water and Power (LADWP) well fields and extraction wells. The LADPW operates groundwater production well fields to the west and southwest of the site (see Section 2.2.2), as well as eight remedial extraction wells (NHE-1 through NHE-8) located south of the site (see Figure 2), which began operation in December 1989 (EPA, 1998). The nearest extraction well (NHE-1) is located approximately 2,000 feet southeast of the Rinaldi-Toluca Well Field.

In the site vicinity, local groundwater flow may also be influenced by injection of stormwater runoff at the Sun Valley Paper Stock facility, located approximately 500 feet north of the subject site at 8701 San Fernando Road (see Figure 3). Since winter 2003–2004, this facility has been injecting stormwater runoff directly into a perforated casing (installed 143 feet deep) collected from the roof, and into a sedimentation basin collected from the paved yard (Los Angeles and San Gabriel Rivers Watershed Council [LASGRWC], 2008). Beginning in 2013 the Strathern Pit, to the southeast of the site (also depicted on Figure 3), will be converted into a wetland and spreading ground which may further influence groundwater flow directions in the site vicinity in the future.

2.2.1 Verdugo Fault

The Verdugo Fault is located approximately ¼ mile east of the site (see Figure 3). The Verdugo Fault is a reverse fault, approximately 13 miles long, striking through the communities of Sun Valley, Burbank,

and Glendale. Law/Crandall reports that the Verdugo Fault trace may have been exposed in a gravel pit on the Bradley Landfill property (Law/Crandall, 1988), immediately east of Well 4916C (see Figure 3). The Verdugo Fault roughly parallels San Fernando Road. This fault forms a partial barrier to the southwestern movement of groundwater due to offset of the Upper Pleistocene deposits. The groundwater elevation to the west of the fault is approximately 100 feet lower than the elevation of groundwater to the east of the fault.

The Verdugo Fault Zone trends northwest to southeast along the western base of the Verdugo Mountains, from the Eagle Rock Fault in the San Rafael Hills to north of the Hansen Dam. The overall hydraulic conductivity of the alluvial deposits below Hansen Dam has been reduced by faulting (Brown, 1975). The location of the main fault zone was identified in the north by offsets seen in gravel pits south of the Hansen Dam area. Gravel beds displaced by thin clay seams in the fault planes have also been observed in gravel pits. These clay seams, although not part of the main fault trace, were observed at about 130 feet below ground surface (bgs) (Brown, 1975).

These clayey gouge seams produced by fault movement during the Quaternary Period (CSWRB, 1962) result in a zone of lower permeability that acts like a dam, causing steep gradients or breaks in the groundwater surface referred to as a groundwater cascade. The cascade was particularly evident when the Hansen spreading grounds, located on the upgradient side of the fault, were in operation; water levels on the upgradient side of the fault rose noticeably, increasing the gradient (CSWRB, 1962).

A groundwater cascade is also evident below the Verdugo submerged dam, where well logs reveal step-like offsets in the bedrock that are believed to be part of the Verdugo Fault Zone. In this case there is no evidence of faulting causing a barrier to flow; the breaks in the water surface are caused by the basement offsets increasing the cross-sectional area through which groundwater flows. The offsetting effect of these faults on groundwater levels can be seen in regional groundwater contour maps.

2.2.2 Rinaldi-Toluca and Tujunga Well Fields

The LADWP produces water for public use from five well fields within the perimeter of the NHOU. In 1980, volatile organic compound (VOC) contamination was found to have impacted the groundwater beneath the NHOU. As a result, the Rinaldi-Toluca and Tujunga Well Fields were constructed to replace wells contaminated by TCE and tetrachloroethylene (PCE), and to provide more operational flexibility for groundwater recharge and pumping in the San Fernando Valley (see Figure 2). Increased pumping from these well fields for municipal use seasonally modifies the groundwater flow patterns in the eastern portion of the San Fernando Basin. The general direction of flow in San Fernando Basin is south-southeast. However, in the vicinity of the active well fields, flow directions change continuously. In the North Hollywood area during cycles of high pumping activity, groundwater flows toward the pumping area from all directions, including from the south.

The Rinaldi-Toluca and Tujunga Well Fields are located closest to the site (see Figures 2 and 3). The Rinaldi-Toluca Well Field is located approximately 1.4 miles southwest of the site and consists of 15 groundwater extraction wells that were installed between 1986 and 1989, with full production beginning in August 1988. However, groundwater production testing likely immediately followed well installation activities; therefore, influence on groundwater flow from this well field likely preceded the summer startup by several months. The Tujunga Well Field is located approximately 1.6 miles west-northwest of the site (see Figures 2 and 3), and consists of 12 groundwater extraction wells, with full production beginning in July 1993 (ULARA, 1989; CPRA, correspondence).

Approximately 50 percent of the LADWP production wells in the Rinaldi-Toluca well field are still actively pumping, while the remaining wells shut down in the 1980s due to contamination.

2.3 North Hollywood Operable Unit: Area 1

In 1984, the EPA proposed the NHOU and the Burbank Operable Unit (BOU) for inclusion on the Superfund National Priorities List. The two operable units have separate extraction and treatment systems and are known as North Hollywood/Burbank (Area 1). The NHOU comprises approximately 4 square miles of contaminated groundwater underlying an area of mixed industrial, commercial, and residential land use in the community of North Hollywood and some neighboring cities. See Figure 2 for a depiction of the NHOU boundary and general features.

2.3.1 History

Contamination of the groundwater by VOCs was first detected in the San Gabriel Valley in 1979. This discovery of VOC contamination in the nearby San Gabriel Valley prompted the California Department of Health Services (now known as the California Department of Public Health [CDPH]) to begin investigating conditions in the San Fernando Valley. In 1980, the CDPH requested that the major groundwater users conduct tests for the presence of certain industrial chemicals in the water they were serving. The results of the testing revealed VOC contamination in the groundwater beneath large portions of the San Fernando Valley. The primary contaminants detected were the solvents TCE and PCE, both of which were widely used in a variety of industries, including aerospace and defense, metal plating, machinery degreasing, and dry cleaning. TCE and PCE have been detected in a large number of production wells at levels that are above the federal and/or state maximum contaminant level (MCL) of 5 micrograms per liter (µg/L) for each of these VOCs. Other VOC contaminants have also been detected above the federal and/or state MCLs in the San Fernando Valley. As a result of the groundwater contamination, many production wells were removed from service.

2.3.2 Depth Regions

In the NHOU, the alluvial-fill aquifer is divided into depth regions that exhibit flow characteristics similar to that of the remainder of the basin:

- Depth Region 1 is present from approximately 200 to 280 feet bgs; this is where shallow remedial investigation monitoring wells, older production wells, and facility monitoring wells (at sites under the jurisdiction of the Regional Water Quality Control Board, Los Angeles Region [RWQCB]) are screened. The NHOU extraction wells are screened in Depth Region 1 and the upper part of Depth Region 2. The two wells at the subject site, 4917A and 4917B, are also considered screened in this depth region.
- Depth Region 2 is present from approximately 280 to 420 feet bgs and has a high hydraulic conductivity (permeability); most production wells are screened in this region.
- Depth Region 3 occurs from approximately 420 to 700 feet bgs. Newer production wells, such as those in the Rinaldi-Toluca and Tujunga Well Fields (located north of the NHOU treatment system) and the wells in the western portion of the North Hollywood Well Field are screened in Depth Region 3.

2.3.3 Groundwater Contamination

2.3.3.1 Primary Chemicals of Concern

TCE, and PCE are the primary chemicals of concern in the NHOU. Based on monitoring data from remedial investigation wells and facility monitoring wells, the EPA has prepared groundwater plume maps for PCE and TCE starting in 1990. These plume maps with the subject site identified are contained in Appendix A. It should be noted that the plume maps are based on information from the wells that were sampled during any given period, and it is common that wells were not sampled periodically, which resulted in data gaps and a perception that a plume had changed shape or

disappeared. Furthermore, there were no groundwater monitoring wells located west or southwest of the site until 2009 when a new well was installed approximately 4,500 feet southwest and downgradient of the site (see Figure 3). However, even though this well in 2011 according to the plume map showed elevated TCE concentrations, the map for 2011 shows a detached TCE plume at the location of the new well trending to the south or southeast, i.e. not to the southwest.

2.3.3.2 Emerging Chemicals

Monitoring for emerging chemicals began in 2003, including 1,2,3-trichloropropane (TCP), 1,4-dioxane, n-nitrosodimethylamine (NDMA), perchlorate, and chromium (total and hexavalent). Of these emerging chemicals, 1,4-dioxane and hexavalent chromium (chromium VI) have presented challenges for the remediation system installed in 1989, as discussed in Section 2.3.5.1. No emerging chemical is alleged to be a chemical of concern for the site.

2.3.4 Groundwater Monitoring

2.3.4.1 Basin-Wide Groundwater Monitoring Program

In 1992 a basin-wide groundwater monitoring program was established, including sampling of 84 remedial investigation wells. The subject site is a part of the current basin-wide sampling program and sampling is carried out twice a year during April 1 to 15 and October 1 to 15. Monitoring of physical and chemical parameters is performed as follows:

April 1 to 15

- Water levels, pH, electrical conductivity (EC), temperature
- VOCs: EPA Method 8260
- Total dissolved metals: EPA Methods 6020/7470A
- Chromium VI: EPA Method 7199
- 1,4-dioxane: EPA Method 8270SIM
- Perchlorate: EPA Method 314
- TCP: EPA Method 524M
- NDMA: EPA Method 1625

October 1 to 15

- Water levels, pH, EC, temperature
- VOCs: EPA Method 8260
- Total dissolved metals: EPA Method 6020/7470A
- Chromium VI: EPA Method 7199

2.3.5 Groundwater Treatment

2.3.5.1 First Interim Remedy

Based on the results of the study conducted by the State of California, the EPA chose the first interim cleanup remedy consisting of a 2,000-gallon-per-minute (gpm) groundwater pump-and-treat system with the treated water distributed to the public water supply. See Figure 3 for the locations of the treatment system and extraction wells.

The system began operating December 1989 and has operated continuously since then. On average, groundwater in the vicinity of the NHOU accounts for approximately 11 percent of the City of Los Angeles drinking water supply, with the NHOU groundwater treatment system providing approximately 1 to 2 percent of this amount.

Changing groundwater conditions in the aquifer and the discovery of VOC contamination in new areas of the aquifer beneath North Hollywood limit the ability of the existing remedy to fully contain the VOC plume in the NHOU. In addition, the EPA has detected emerging contaminants, including chromium VI and 1,4-dioxane, in excess of the state MCL for total chromium and the CDPH notification level for 1,4-dioxane, at one of the NHOU extraction wells, NHE-2. The existing NHOU treatment system is incapable of removing these contaminants, and a sharp increase in NHE-2 chromium concentrations in 2007 caused the well to be shut down for 18 months (EPA, July 2009).

2.3.5.2 Second Interim Remedy

In response to the continued migration of VOC-contaminated groundwater and the presence of chromium and other emerging contaminants in the NHOU, the EPA conducted a *Focused Feasibility Study* to evaluate alternatives for changing the groundwater remedy. The selected remedy, which is called the Second Interim Remedy, includes installing wellhead treatment for chromium VI and 1,4-dioxane, expanding the combined treatment system, installing additional monitoring wells, and installing and operating three additional groundwater extraction wells. The locations of the new extraction wells and monitoring wells in Depth Region 1 are shown on Figure 3. Although not a part of the Second Interim Remedy, construction of *in situ* treatment for chromium groundwater contamination at the Honeywell facility in North Hollywood was completed in January of 2009.

On February 16, 2012, LE queried the EPA regarding the status of the installation of the additional monitoring wells south and southwest of the subject site in Depth Region 1 and whether the extraction wells had been installed and extraction from them implemented. LE has not received a response as of the date of this report. However, based on the new TCE and PCE plume maps which LE obtained from EPA after our inquiry, the additional wells (NH-C16-390, and NH-C22-360) appear to have been installed in 2009 and depth to water and chemical concentration data from two monitoring events are publically available (see New Monitoring Well locations on Figure 3, and Tables 1 and 2). Well construction details, including installation date and screening intervals were not available.

3. ENVIRONMENTAL REGULATIONS AND INDUSTRIAL USE OF CHLORINATED SOLVENTS

Since the mid-1950s, properties near the subject site and especially east of Tujunga Avenue and north of Penrose Street have been occupied by machine shops and metal parts manufacturing companies.[1] Based on the operation of those companies and the time they were in business, the majority of them would have used chlorinated solvents. Refer to Section 5.1 for a detailed discussion of those companies.

Until 1968 when the Los Angeles Air Pollution Control District[2] adopted Rule 66, which severely restricted its use, TCE was the most common solvent used in metal cleaning and degreasing. In the early 1960s, over 90 percent of the TCE manufactured was used in vapor degreasing (Sconce, 1962). The vapor degreasing could either have been done in batches or with conveyorized systems for continuous cleaning operations. The latter would have been used by larger facilities and not small machine shops. Vapor degreasing was very effective, and it would only take minutes for the work to be clean and dry

[1] According to topographic maps as late as in 1953, there were no industrial or commercial sites near the subject site, and according to City Directories, the industrial age near the site began in 1954.

[2] Predecessor agency to South Coast Air Quality Management District

and ready for painting or other treatment, which was superior to other degreasing methods at that time. The use of TCE was strictly economically driven, as it was the best solvent to use in metal degreasing. The use of TCE was so pervasive that even plating companies used it as a first step in degreasing prior to other treatment. After 1968 when Rule 1166 was implemented , many companies shifted from TCE to 1,1,1- trichloroethane (TCA) and also to PCE to a lesser degree, and the use of TCE gradually decreased over the years. Prior to 1968, TCA was mostly used mostly in cold cleaning, which would involve dipping and spraying parts in open tanks or wiping parts with a solvent solvent-laden cloth. Because permit and equipment files at the South Coast Air Quality Management District (AQMD) typically do not go further back than to the mid-1970s, older permit and equipment records are not available, making it difficult to arrive at a site site-specific confirmation of the use of TCE in the earlier years.

The vapor degreasing would result in the generation of chlorinated solvent liquid and sludge waste at regular intervals, typically every two months, at which times the degreaser would be drained and the spent solvent had to be disposed of. Depending on the method used, cold cleaning could also generate large amounts of waste. Since there was very little environmental awareness, especially until the late 1970s, and off-site disposal would substantially increase the cost, it would be very tempting for many companies to use existing cesspools or septic systems for disposal of the solvent waste. Since these companies usually did not own the land, they also had no ownership concerns.

Another reason these companies would have dumped the solvent waste into cesspools and septic tanks was to clean them out, and TCA was legally used as a drain and septic tank cleaner until at least the 1980s (Oregon Department of Human Services, January, 1989). Hence, TCE or PCE for that matter could also have been used for a similar purpose. The documented local use of cesspools for disposal of chlorinated solvent waste is discussed in detail in Section 5.3.1.1.

Apart from disposal of the solvent waste, soil contamination could also occur from spills during the transfer of product or from leaking tanks and piping. Due to the lack of regulations and environmental awareness, any such spills would go unreported and would not be remediated. Since chlorinated solvents are highly volatile, surface spills above grade on asphalt or concrete surfaces would probably not cause serious groundwater contamination at depths of several hundred feet bgs.

No laws existed for tracking and management of chlorinated solvent waste until the first Resource Conservation and Recovery Act (RCRA) regulations passed in 1980 and established the "cradle to grave" hazardous waste management system. At approximately the same time, agencies and the public became aware that the groundwater supply in the San Fernando Valley had been contaminated by chlorinated solvents, and the pressure mounted on companies that generated such waste. In California, further restrictions on disposal of chlorinated solvent waste were enacted in 1985 with the prohibition of land disposal of chlorinated solvent liquid waste containing chlorinated solvents greater than 1000 parts per million (ppm) (California Administrative Code, 1985). By this time, many companies that would likely have used TCE and other chlorinated solvents near the subject site had moved or gone out of business, and using the chlorinated solvents had become very expensive, regulated, and fraught with long-term liabilities.

4. SCOPE OF WORK

4.1 Well Rehabilitation

In 1988, Los Angeles By-Products installed two groundwater monitoring wells, 4917A and 4917B, at the subject site (Figure 3). Both wells were in need of repair. Well 4917A in particular had problems with obstructions that had prevented sampling in 1995 by use of a pump. In July of 2007, obstructions were encountered in 4917A at 60 and 280 feet below grade, and it was deemed unsafe to install a temporary

pump; the well could only be sampled with a bailer. In 2010 when the wells were inspected, both well boxes were filled with mud and debris that had to be cleared out to allow proper gauging of the wells.

Given these uncertainties and the high cost[3], it was decided to initially perform a video survey of both wells to determine what repairs would be needed and whether well 4917A could even be salvaged.

The well rehabilitation was performed by Coffey Environments of Long Beach, California, in November and December of 2010 and entailed video surveys of both wells, well development, well repair and an elevation survey.

4.1.1 Video Surveys, Well Development and Repair

Coffey Environments subcontracted the video surveys to Pacific Surveys. The initial survey was performed on November 8, 2010, and the following observations were noted:

Well 4917A:

- At 59.70 feet, notice change of casing type from steel to polyvinyl chloride (PVC).
- The perforations were observed starting at 158.6 to bottom of well. The majority of the perforations above and below the water table were mostly plugged.
- Casing appears to be in generally good shape with no obstructions. Casing joints observed every 20 vertical feet.
- Observed what appears to be a 1-inch PVC pipe starting at 184.1 feet, observed to total depth of well. This could be the "PVC sounding tube" described by others dated July 31, 2007.
- Static water level encountered at 335.8, water cloudy.
- Water column observed to be very turbid with abundant debris; perforations are heavily plugged throughout water column.
- Bottom encountered at 358.5, perforations still evident. According to well construction detail, the bottom is at 358 feet, but sediment was observed to be present at bottom at 358.5.

Well 4917B:

- At 59.90 feet, notice change of casing type from steel to PVC.
- The perforations were observed starting at 158.7 to bottom of well. The majority of the perforations above water table are open. Six vertical rows of perforations were observed; one row appeared to be occasionally plugged.
- Casing appears to be in generally good shape with no obstructions. Casing joints observed every 20 vertical feet.
- Static water level encountered at 350.90, water cloudy.
- Water column observed to be very turbid with abundant debris; perforations are plugged throughout water column.
- Bottom encountered at 361.1, perforations still evident. According to well construction detail, the bottom is at 375 feet. Sediment was observed to be present at bottom at 361.1; therefore, it appears that about 14 feet of sediment is present at the bottom of well.

Video survey reports are contained in Appendix B.

[3] The replacement cost per well is estimated to be $150,000 and includes existing well abandonment, waste disposal and drilling, development and resurveying of the new well.

Based on the findings of the surveys, recommendations were made to redevelop both wells to remove sediment from the wells, to dislodge scaling and sediment from perforations, and to restore groundwater in the wells to aquifer conditions.

As the next basin-wide groundwater sampling event was scheduled for completion by December 15, 2010, it was essential well rehabilitation was completed in time such that both wells could be sampled.

After the well development had been completed, the wells were video-surveyed again. The surveys confirmed that the perforations were mostly open and there was no need to use chemicals to unplug the perforations, which had been a concern earlier. See Appendix B for the second video survey reports. In well 4917A at the depth of 345 feet, an approximately 3-inch by 4-inch hole was discovered in one of the perforations. Most likely the hole was created during the removal of a pump stuck in the well by a previous contractor.

Because the well boxes and casing seals had deteriorated over time and allowed sediments and mud to infiltrate from the surface, it was necessary to replace the well boxes and extend the well casings to minimize any potential surface sediment and water infiltration. All well rehabilitation work was subcontracted to Gregg Drilling.

4.1.2 Elevation Survey

Coffey Environments subcontracted the elevation survey to DMc Engineering, a California-licensed land surveyor. DMc performed the elevation survey on December 15, 2010 and plotted the longitude and latitude coordinates of the two wells relative to an established benchmark. The elevation above MSL of the top of casing and lid of each well was also measured. The previous and new elevations are shown in the table below.

Well	Previous Elevation (ft above MSL)	New Elevation (ft above MSL)
4917A	832.80	832.01
4917B	848.69	848.56

It was noted that the true positions of the wells were not adequately depicted on previous maps by other consultants, and the new maps that were therefore created included the correct positions of the wells (see Figure 4). A copy of the well survey report is included in Appendix B.

4.2 Groundwater Monitoring: Wells 4917A and 4917B

After the wells had been successfully rehabilitated and resurveyed, Coffey Environments conducted a groundwater monitoring event on December 17, 2010. The sampling was subcontracted to Blaine Tech.

Coffey Environments conducted a second monitoring event on April 1, 2011, and LE performed groundwater sampling on October 19, 2011, and most recently on April 6, 2012. The sampling was again subcontracted to Blaine Tech.

Prior to sampling, Blaine Tech measured the depth to groundwater in each well, using Solinst depth-to-water probe. After groundwater elevations were measured, groundwater was purged using a bladder pump and dedicated tubing lowered to the desired purge depth. The wells were purged at a low flow rate (approximately 0.05 gallons per minute or less) to minimize volatization, and water levels were monitored during purging to minimize drawdown to less than 1 foot.

During purging, the pH, temperature, EC, turbidity, dissolved oxygen, and oxidation-reduction potential of the purged water were measured from the discharge end of the tubing, using a YSI-brand flow-through cell water-quality meter. The wells were purged until the water-quality parameters

stabilized. The purge water was pumped via flexible discharge tubing and temporarily stored in a 55-gallon drum for disposal at a licensed disposal facility.

Following purging, Blaine Tech then collected groundwater samples from each well after groundwater elevations had recovered to at least 80 percent of static levels. Groundwater samples were obtained from the discharge end of the dedicated tubing and immediately placed into the appropriate sample containers. The containers were sealed with Teflon-lined caps, labeled, placed on ice, and transported to a state-certified laboratory for analysis. Each sample was recorded on a chain-of-custody form identifying the sampler, sample name, type of sample containers, couriers, responsible laboratory personnel, and requested analyses.

Analytical data and groundwater elevations from the four events are summarized with the historical data for all wells having importance to the site in Tables 1 and 2. Table 3 summarizes the analytical results for dissolved metals sampled on April 6, 2012. Analytical reports and field reports are contained in Appendix C.

The next groundwater monitoring event is scheduled within the period of October 1 to October 15 and will be performed in accordance to the monitoring parameters shown in Section 2.3.4.1.

4.3 Borescope Investigation

In the fall of 2011, the attorneys for California Car Hikers requested access from Los Angeles By-Products to gauge the monitoring wells at Penrose Landfill in conjunction with the monitoring at the subject site. The request for access was denied. Therefore, LE conducted colloidal borescope measurements on wells 4917A and 4917B with the objective to determine the approximate groundwater flow direction across the subject site.

The colloidal borescope consists of a charged-couple-device camera, a flux-gate compass, an optical magnification lens, an illumination source, and stainless steel housing. The device is approximately 35 inches long and has a diameter of 1.73 inches, thus facilitating insertion into a well as small as 2 inches in diameter. Upon insertion into a well, the borescope transmits an electronic image magnified approximately 140 times to the surface, where it is viewed and analyzed. The flux-gate compass is used to align the borescope in the well. As particles in the groundwater pass beneath the lens, the back-lighting source illuminates the particles in a manner similar to a conventional microscope with a lighted stage. A video "frame grabber" digitizes individual video frames at intervals selected by the operator. A software package, AquaLITE, developed by AquaVISION, compares the two digitized video frames, matches particles from the two images, and assigns pixel addresses to the particles. Using this information, the software program computes and records the average particle size, number of particles, speed, and direction. A computer analyzes flow measurements every four seconds, resulting in a large database after only a few minutes of observations.

Only zones that display consistent horizontal laminar flow in a steady direction over a substantial time period were considered. Swirling flow zones may be the result of adjacent low-permeability sediments, positive skin effects, vertical flow gradients, or nearby preferential flow zones that dominate flow in the observed zone. Measurements in swirling flow zones should be disregarded. However, if steady unidirectional flow is observed, typical of a preferential flow zone, then reliable measurements are possible.

Based on the work presented in Kearl (Journal of Hydrology, 200, 1997), colloidal borescope velocity measurements in the field should be reduced by a factor of 1 to 4 to calculate seepage velocity in the adjacent porous medium. For field comparison measurements presented in that paper, the borescope measurements represented the flow velocities in the preferential flow zones in contrast to average flow velocity measurement obtained by conventional methods. Consequently, the velocity values given in

the figures presented in Appendix D should be reduced by a maximum factor of 4 to obtain the groundwater seepage velocity in the adjacent porous medium. This adjusted value is referred to as the corrected groundwater seepage velocity or flow rate and is presented throughout the report. It should be re-emphasized that the colloidal borescope is measuring the maximum velocity values in preferential flow zones, which may be quite thin, in a heterogeneous aquifer. Therefore the average groundwater flow velocities across the flow column in the well will be lower. Furthermore, it should be noted that chemical movement in groundwater is further retarded principally by sorption and dispersion.

On October 13, 14 and 19, 2011, LE conducted colloidal borescope measurements on wells 4917A and 4917B. Several test runs were conducted at a number of depths in order to obtain a preferential flow zone and adjust the software data system to adequately track the particle size and velocity across the field of view.

The table below summarizes the colloidal borescope measurement results. Azimuth values from selected preferential flow zones, as defined in the previous section, are presented along with the corrected velocity values representing the average preferential linear groundwater velocity (seepage velocity) in the surrounding aquifer. The azimuth values denote true north as zero degrees with degree readings in a clockwise direction. For example, 90 degrees is due east, 180 degrees is due south, and 270 degrees is due west. Corrected groundwater flow rates using a conversion factor of 4 are also presented in the table below. For preferential flow zones, statistical data sheets are provided in Appendix D that lists the range of flow measurements. Test intervals (depth below top of casing) with variable flow direction are also presented in Appendix D. Groundwater rose plots are provided for each test interval which depict colloid flow direction and velocity as a 16-petal (i.e., 16 bins corresponding to 16 compass directions, each 22.5˚ of arc), circular histogram. Each petal points in the direction of colloid flow, length corresponding to percentage of total colloids, and subdivided by color, representing colloid velocities by compass direction.

Well Number	Test Interval (ft)	Direction	Corrected Flow Rate (ft/d)	General Comments
4917A	345	246.81	14.79	Very steady directional flow for approximately 1 hour, with some variation in flow rate. Very low particle count.
4917B	340 through 370	Non-directional	Not applicable	Directional flow not could be established at any depth tested. Colloids appear to flow turbulently, vertically, and without a preferred direction.

Ten depth intervals were tested in well 4917A from 339 to 349 feet bgs on October 13, 2011. Generally swirling, non-directional, and vertical flow was observed above and below the preferential flow zone. There was a relatively small number of colloids in the field of view. Colloid size was also relatively small. A preferential flow zone oriented to the west-southwest was observed only at 345 feet bgs and exhibited some degree of variability in direction (standard deviation of 23.48).

In well 4917B, 24 depth intervals were tested from 340 to 370 feet bgs on October 14 and October 19. Generally swirling, turbulent, non-directional or reversing flow directions were observed. No preferred flow direction was observed for a significant period of time. Southern or eastern components to flow were observed at several depths, but, preferential flow was not established; therefore these data are not reliable for making directional determinations.

The groundwater elevations in well 4917A was higher than 4917B measured on October 19, 2011, which is consistent with a groundwater flow direction to the west-southwest as measured in well 4917A with

the borescope. The hydraulic gradient was calculated to be 0.0055 for the most recent groundwater sampling event in October, 2011 by applying the groundwater flow direction obtained from the borescope survey, and the geometric relationship between the groundwater elevation difference (4917A to 4917B), and the groundwater flow direction. Assuming a similar gradient for earlier sampling events, groundwater flow directions were estimated for selected sampling events in 1988 and are presented on Figure 4.

4.4 Agency and Public Records Research

Since no research had been done on properties potentially upgradient of the subject site, Coffey Environments initiated a thorough review of agency and publicly availably records. Agencies were contacted and files and databases were reviewed over an 18-month period for hundreds of businesses in the vicinity of the site. In addition to the agency research, Coffey Environments and LE contracted with Environmental Data Resources (EDR) and obtained an EDR Radius Map Report, city directories, and topographic maps. These documents are contained in Appendix E.

Databases were researched, and documents obtained from the following agencies were reviewed:

- Department of Toxic Substances Control, Chatsworth office
- Department of Toxic Substances and Control, Envirostor website
- Department of Toxic Substances and Control, Hazardous Waste Tracking System website
- Los Angeles City, Department of Building and Safety
- Los Angeles City, Bureau of Sanitation
- Los Angeles City, Fire Department/Hazardous Materials Records
- Los Angeles City, Fire Department/Underground Storage Tanks
- Los Angeles County, Public Health Investigation Unit (PHI)
- Los Angeles Department of Water and Power
- Regional Water Quality Control Board, Los Angeles Region
- South Coast Air Quality Management District
- State Water Resources Control Board, GeoTracker website
- Upper Los Angeles River Area Watermaster

This research generated a large volume of documents , which were evaluated and are discussed in the next section.

5. EVALUATION OF STUDY AREA

The Study Area encompasses the subject site, adjacent landfills, new sites that we have identified as Sites of Interest, and all wells installed in the vicinity of the site (see Figure 5).

5.1 Sites of Interest

LE identified sites in the vicinity of the subject site that are considered to be Sites of Interest (see Figure 5). In this process we searched agency and other public records as described in Section 4.4. Based on the general representation of the groundwater flow direction being to the south or southeast, our initial focus was on sites located north and northeast of the subject site. However, as our understanding of the chemical composition in the wells on the site evolved and we obtained a better understanding of the current and historic groundwater flow directions, we realized that sites located in a triangle comprising Tujunga Avenue, Penrose Street and San Fernando Road (Tujunga-Penrose-San Fernando Triangle) were of special interest as these sites would be upgradient of the previously presumed downgradient

well 4917A. We also realized that well 4917A had not been downgradient of well 4917B since monitoring started in 1988, and since monitoring began in 1988 well 4917A would have been downgradient of only a tiny fraction of the former landfill near the southeast corner of the subject site. This will be discussed in more detail in Section 5.4.

Not including the landfills in the immediate vicinity of the subject site, our investigation identified 19 sites and 40 companies within the Tujunga-Penrose-San Fernando Triangle as well as 14 other sites and 17 companies that may also have caused releases of chlorinated solvents and groundwater contamination, although not specifically contamination by TCE in well 4917A.

Since the source or sources upgradient of well 4917A most likely released TCE , while less likely, they could also have been PCE releases that degraded to TCE. The prime companies of interest would be those that likely would have used chlorinated solvents and operated in or before 1980. These companies are identified by address below and are also shown in Table 4.

Address	Company
11416 Fleetwood Street	Maribil Tool and Mfg Co. Riteway Industries
11422 Fleetwood Street	Grier Engineering & Construction Tools Lite Weight Tool &Mfg Co. Hayes Aircraft Supply, Inc.
11428 Fleetwood Street	Star Hardware Supply, Inc. Hinco Engineering, Co. Black Jack Automotive System, Inc. Kuhn Mfg
11273 Goss Street	Jensens Precision Metalcraft City Warehouse Furniture Co.
11281 Goss Street	Ben Line Products Cabinets
11285 Goss Street	Berkot Manufacturing/Eqpt. manufacturer
11321 Goss Street	Kenskill Trailer Corp. Hunter Industries Clipper Industries
11370 Luddington Street	Production Saw Works Tom Farrar Co
11374 Luddington Street	Swanson Mfg./Engineering Production Saw Works Westlake Grinding Service
11380 Luddington Street	Tangvald Tool & Mfg. Co
11390 Luddington Street	Torrance John W. Machine Shop
11400 Luddington Street	Lado Mfg
11645 Pendleton Street	Dixon Hardchrome
11320 Penrose Street	Jerome Industries: power supply manufacturer
11331 Penrose Street	Lincoln Van & Storage Co. Studwell Tooling Co. Globe Aerospace
11351 Penrose Street	Gene Thompson Croddy Machine Shop
8508 San Fernando Road	Roscoe Sheet Metal Work
8510 San Fernando Road	B&D Custom Metal Fabrication Complete Screw Products
8520 San Fernando Road	Morehouse Engineering Co./Inc.
8557 San Fernando Road	Welch Metal Products
8615 San Fernando Road	C&R Industries Machine Works
8621 San Fernando Road	Lite Weight Tool & Mfg. Co.

Address	Company
8647 San Fernando Road	Genex, Inc./Aviron Genex
8649 San Fernando Road	Aviron Airmotive Co.
8655 Tamarack Avenue	Monogram/GVI Aircraft Tank Service
8710 Telfair Avenue	Accurate Engineering
8520 Tujunga Avenue	Turner Vernon B, Inc. Superscope/Electronics Manufacturer Perma-Packs Co. General Airmotive Corp. Wells Mfg Morehouse Engineering
8524 Tujunga Avenue	Cee Jay Machine
8540 Tujunga Avenue	Production Milling Thomas Jas C Stretchcoat.
8560 Tujunga Avenue	Industrial Fasteners/Rooke Engineering Technical Plastics Co.
8610 Tujunga Avenue	Aviron Airmotive Co.
8620 Tujunga Avenue	General Airmotive Corp.
11519 Tuxford Street	Precision Die and Stamp

The above field of sites and companies can be narrowed down further by limiting the locations to the sites located within the Tujunga-Penrose-San Fernando Triangle as summarized below

Address	Company
11416 Fleetwood Street	Maribil Tool and Mfg Co. Riteway Industries
11422 Fleetwood Street	Grier Engineering & Construction Tools Lite Weight Tool & Mfg Co. Hayes Aircraft Supply, Inc.
11428 Fleetwood Street	Star Hardware Supply, Inc. Hinco Engineering, Co. Black Jack Automotive System, Inc. Kuhn Mfg
11370 Luddington Street	Production Saw Works Tom Farrar Co
11374 Luddington Street	Swanson Mfg./Engineering Production Saw Works From at least 1980 to at least 1990 Westlake Grinding Service
11380 Luddington Street	Tangvald Tool & Mfg. Co
11390 Luddington Street	Torrance John W. Machine Shop
11400 Luddington Street	Lado Mfg
11331 Penrose Street	Lincoln Van & Storage Co. Studwell Tooling Co. Globe Aerospace
11351 Penrose Street	Gene Thompson Croddy Machine Shop
8557 San Fernando Road	Welch Metal Products
8615 San Fernando Road	C&R Industries Machine Works
8621 San Fernando Road	Lite Weight Tool & Mfg. Co.
8647 San Fernando Road	Genex, Inc./Aviron Genex
8649 San Fernando Road	Aviron Airmotive Co.

Address	Company
8520 Tujunga Avenue	Turner Vernon B, Inc. Superscope/Electronics Manufacturer Perma-Packs Co. General Airmotive Corp. Wells Mfg Morehouse Engineering
8524 Tujunga Avenue	Cee Jay Machine
8540 Tujunga Avenue	Production Milling Thomas Jas C Stretchcoat.
8560 Tujunga Avenue	Industrial Fasteners/Rooke Engineering Technical Plastics Co.
8610 Tujunga Avenue	Aviron Airmotive Co.
8620 Tujunga Avenue	General Airmotive Corp.

Of the companies located within the Tujunga-Penrose-San Fernando Triangle, we believe the metal manufacturing companies are most likely to have used and discharged chlorinated solvents to septic tanks and cesspools. In some cases, our research revealed documented use of PCE and TCE and documented spills and subsurface contamination of chlorinated solvents. See Section 5.3 for a detailed discussion.

5.2 Previous Assessments

Subsurface assessment data for the Study Area exist in form of soil-matrix, soil-gas and groundwater data, but the soil-gas and soil-matrix data are limited to a few sites.

5.2.1 Soil-Matrix Data

Our investigation found references to soil-matrix results for PCE and TCE for Penrose Landfill and the Site (U.S. EPA, *Focused Feasibility Study*, Appendix E, July 2009). The information provided in the report was limited to PCE and TCE. The summary provided no laboratory reports or map showing the sample locations but indicated that PCE had been detected at the Penrose Landfill in 1993 at a maximum concentration of 3. 2 mg/kg (3,200 µg/kg), while TCE had not been detected. In 1996 neither compound had been detected at Penrose Landfill. The finding of a PCE concentration of 3,200 µg/kg at Penrose Landfill suggests a possible PCE release at that site near the location the sample was collected. A concentration of 3,200 µg/kg of PCE would be considered very high in permeable soil since little PCE would adhere to granular soil, but it is also possible that the sample was collected from trash, which would absorb more solvents.

Soil-matrix samples were also collected at the subject site in April of 1988, but neither PCE nor TCE was detected. The lack of PCE or TCE detected in soil-matrix samples at the site is consistent with the soil-gas data discussed in Section 5.2.2 below, which provide no evidence of any PCE, TCE or other VOC releases at the site.

Our investigation also revealed soil-matrix data for Berkot Manufacturing at 12285 Goss Street. In 1992, three shallow soil borings to a maximum 10-foot depth were drilled in an area where the RWQCB had observed that spray painting was conducted on bare asphalt. No soil contamination was detected and no soil-gas sampling was performed. Documents obtained at the RWQCB are contained in Appendix F. Although no VOCs were detected in soil matrix at Berkot Manufacturing, the sampling extended to a maximum depth of only 10 feet, and no soil-gas sampling was done. Since the soils in the area are very permeable, one would not expect much VOC adherence to the soil matrix. Furthermore, this site had a cesspool at a known location, but no borings were drilled at the cesspool. The owner told the RWQCB in a letter dated October 30, 1991 that only a small amount of TCA had been used. However, the Los

Angeles Fire Department reported an annual usage of 1,200 gallons of TCA, which was discontinued in 1992. Furthermore, despite the large amounts of TCA used at this site, we found no records of hazardous waste generation, which raises concerns; see Section 5.3.1.

At Lado Manufacturing, 11400 Luddington Street, methylene chloride (91 µg/kg), TCA (67 µg/kg) and chloroform (342 µg/kg) were detected in soil samples near a clarifier in 1992, but the RWQCB felt that the concentrations were too low to investigate further. Water samples collected from the clarifier contained 1,1,1,2-tetrachloroethane (14.3 µg /L), TCA (10.4 µg/L), 1,1-dichloroethane (61.6 µg/L), and PCE (2.1 µg/L). See Appendix F for further details. The VOCs, including methylene chloride and TCA, that were detected in soil-matrix samples at Lado Manufacturing suggest significant releases of those compounds given the very permeable soil in the area. A soil-gas survey would likely have provided a much more representative evaluation of the VOC conditions at this site. In addition, PCE was also detected in water samples collected from the clarifier, which would be a concern.

5.2.2 Soil-Gas Data

Soil-gas samples have been collected at the subject site and at Penrose Landfill. Analytical results and associated documents are contained in Appendix G.

According to an Envirostor Site History Summary for Prime Plating (see Appendix F), in 1997 Prime Plating had conducted a soil gas survey under the oversight of the RWQCB. A total of 10 soil gas samples were taken at the depth of 5 feet at the facility. The sampling results indicated traces of VOC contamination at the site which the RWQCB determined not to have a substantial threat, and therefore no remediation was deemed necessary. On December 7, 2006, DTSC conducted a site inspection and determined that based on the previous investigation at the site and the site inspection, no further action was required. A soil gas survey of unknown scope was also previous conducted at Dixon Hardchrome in 1993 (see Appendix F). The soil-gas survey allegedly indicated subsurface contamination at the site. The facility stated to the RWQCB that it discontinued using chlorinated solvents after the soil-gas survey in 1993, although records show the use continued until approximately 2002.

At the subject site, the analytical results for two soil-gas samples collected in November 1987 indicated no detectable VOCs, including chlorinated solvents. Based on other information obtained from a search of AQMD files, these results would likely reflect the sampling from two 20-foot-deep methane monitoring wells at the center part of the former landfill at the site. Although no VOCs were detected, the detection limit was 1 ppm (1,000 parts per billion [ppb]), whereas the detection limit in December 1989 was only 50 ppb when another soil-gas sample was collected. In the sampling event that occurred in 1989 in conjunction with landfill gas extraction at the subject site, three VOCs were detected at concentrations above 1 ppm, including acetone, ethylbenzene, and xylenes ranging from 1,400 to 2,400 ppb, but again none of these compounds were detected in 1987, which was before the landfill gas extraction started at the site.[4]

In July 1981, a soil-gas sample was also collected at Penrose Landfill. Table 5 presents the VOC analytical data for the subject site and Penrose Landfill side by side. The results indicate much higher concentrations of VOCs in soil gas beneath Penrose Landfill than beneath the subject site.[5] Therefore, the concentrations of PCE and TCE detected in the vapor sample beneath the subject site could easily be explained by vapor migration from the nearby Penrose Landfill and surrounding properties that used these chemicals. Because the 1989 soil-gas sample was collected from a landfill extraction system under vacuum, much more pronounced migration of gasses from off-site properties to the subject site would occur. Furthermore, given the concentrations of methane in the landfill, the chlorinated solvents

[4] Landfill gas extraction occurred from 1989 to 1991.

[5] 53.3 times higher for PCE and 72.8 times higher for TCE.

that were pulled in from other sites would degrade fairly rapidly, as indicated by the degradation products *cis*-1,2-dichloroethene (*cis*-1,2-DCE) and vinyl chloride.

The 1989 soil-gas data also show that the soil gas did not result from off-gassing from the groundwater, as many compounds that have never been detected in groundwater beneath the subject site at all or at significant concentrations were detected in the soil gas, and one would have expected TCE to be the single largest component in soil gas if off-gassing from groundwater had occurred. Even more importantly, the 1989 soil-gas data indicate no evidence of any releases of TCE, PCE or any other VOC from the subject site into the groundwater, since TCE is the principal contaminant associated with the site, but the TCE concentration (70 ppb) was lower than that of the other chlorinated solvents detected in soil gas: PCE (180 ppb), vinyl chloride (440 ppb), and *cis*-1,2-DCE (250 ppb).

Additionally, the soil-gas concentration of merely 70 ppb TCE could not even theoretically under optimal mixing conditions of vapors and groundwater have caused the TCE concentrations in 4917A, which in 1989 ranged from 12 to 180 µg/L.[6]

Since the soil-gas concentrations detected beneath Penrose Landfill were so much higher, there is a much higher probability that releases of particularly PCE at that site have caused groundwater contamination.

5.2.3 Groundwater Monitoring Wells

In 1988, two groundwater monitoring wells (4917A and 4917B) were installed at the site by Los Angeles By-Products (as depicted on Figure 4) in accordance with the solid waste assessment test proposed by Law Environmental. Based on the prevailing groundwater flow direction at the time, the wells were oriented along a roughly northwest-southeast axis, under the presumption that 4917A would be downgradient of 4917B (see the April 1987 Groundwater Contour Map included as Figure 6). Both wells were constructed with an 8-inch-diameter steel casing to 60 feet bgs, and then completed in 8-inch-diameter PVC to depth. Well were screened from 160 to 358 feet bgs in 4917A and from 160 to 375 feet bgs in 4917B. Table 6 summarizes the well construction details.

Several groundwater monitoring wells are located on surrounding properties, see Figure 3 for a depiction of groundwater monitoring well locations. Well 4916C was installed on the Bradley Pit Landfill property, approximately 3,000 feet northwest of the subject site and immediately west of the Verdugo Fault. Based on the prevailing regional groundwater flow direction to the southeast, this well was located generally upgradient of the subject site (prior to 1988, see Figure 6). Three wells were installed on or adjacent to the Penrose Landfill property: well 4918 in 1984, well 4918A in 1985, and well 4918B in 1988. Wells 4918 and 4918B are screened to approximately the same depth (365 and 369 feet bgs, respectively), whereas 4918A is screened in three zones to a total depth of 490 feet bgs. Prior to 1988, these wells would not be directly downgradient of the subject site. In 1984, two wells were installed on the Strathern Landfill property (wells 4928A and 4928B), and one well was installed on the Newberry Landfill property (well 4927). Well 4927 was situated downgradient of the subject site before 1988, but became cross-gradient to the site in 1988. Well 4928C was installed on the Newberry Landfill property in 1988. Two new monitoring wells were recently installed as part of the Focused Feasibility Study for the NOHU (USEPA, 2009) at locations south (NH-C16-390) and southwest (NH-C22-360) of the subject site. The wells were installed in 2009, and monitoring data are available for 2009 and 2010. No well construction details were available.

[6] The maximum TCE concentration in soil gas at 70 ppb or 368 µg/m^3, divided by the unitless Henry's constant for TCE, 0.41, yields 0.90 µg/L [368 µg/m^3/0.41 = 897, divided by 1,000 liters/cubic meter, = 0.90 µg/L] estimated concentration in the groundwater, which is substantially lower than the TCE concentrations historically detected.

5.2.4 Groundwater Data

Groundwater elevation and chemical concentration data have been collected for the on-site wells since April 1988 (see Tables 1 and 2). Depth to groundwater has ranged from 307.23 to 345.55 feet above MSL in 4917A and 318.10 to 350.66 feet above MSL in 4917B. Groundwater elevations in 4917B are generally higher than groundwater elevations in 4917A, indicating a strong southern component to the groundwater flow direction across the site. However, during the October 2011 sampling event, groundwater elevations in 4917B were lower than in 4917A (510.66 and 512.99 feet above MSL, respectively) and based on the borescope survey conducted at the same time as the sampling event, the groundwater flow direction was shown to be toward the west-southwest (see Section 4.3) at well 4917A. Using the groundwater flow direction obtained from the borescope survey, and using the groundwater elevations recorded at 4917A and 4917B, we calculated a groundwater gradient of 0.0055 (0.55%), as discussed in Section 4.3. The groundwater flow direction for the October 2011 monitoring event is presented on Figure 4. Groundwater elevation contour maps have been created for the three monitoring events in 1988 are presented on Figures 7-9.

Concentrations of PCE and TCE have been detected in both wells, with generally higher concentrations of PCE in the presumed upgradient well 4917B and higher concentrations of TCE in the presumed downgradient well 4917A. Detected PCE concentrations in 4917B have ranged between 0.67 and 16 µg/L and in 4917A have ranged between 0.12 and 2.00 µg/L. Detected TCE concentrations in 4917B have ranged between 0.160J and 38 µg/L and in 4917A have ranged between 1.8 and 200 µg/L. Well 4917B has recorded concentrations above detection limits of TCA, maximum concentration of 250 µg/L) and its breakdown products or associated compounds 1,1-dichloroethane (maximum concentration of 35 µg/L) 1,1-dichloroethene (maximum concentration of 510 µg/L), and 1,4-dioxane (maximum concentration of 7.5 µg/L), since 2007. With the exception of a single low detection of 1.61 µg/L 1,1-dichloroethene, these compounds have never been above laboratory detection limits in the presumed downgradient well 4917A in any sampling event. A summary of VOC concentrations detected in groundwater for selected dates is presented on Figures 10 through 12, and graphs depicting trends in PCE and TCE concentrations are presented on Figures 13 through 16. In December, 2010 NDMA was detected in 4917A but has never been detected in 4917B. Furthermore, in recent sampling events, chromium VI perchlorate and trihalomethanes were detected in well 4917B but not in 4917A. These groundwater chemical data support the interpretation that well 4917A has not been downgradient of 4917B since sampling began in 1988.

Groundwater elevation and chemical concentration data were also collected for the off-site wells located at the Bradley, Penrose, Newberry, and Strathern Landfills since as early as 1984, and are also shown on Tables 1 and 2. Graphs depicting trends of PCE and TCE concentrations for selected monitoring wells is presented on Figures 13-16.

5.3 Historic Use and Disposal of Chlorinated Solvents

LE researched the historic use of chemicals by companies in the vicinity of the subject site through various agency files including the Los Angeles Fire Department, AQMD, DTSC and City of Los Angeles, Bureau of Sanitation. Since hazardous chemical use and waste generation were not tracked until the 1980s, the information obtained is limited to approximately the last 35 years. A good example of this is the company Monogram/GVI, which operated at 8655 Tamarack Avenue (see Figure 5) as an aircraft parts supplier with documented heat-treating and degreasing in accordance with an industrial waste permit it obtained in 1974. Based on this operation, it is very likely that this company would have used chlorinated solvents in the degreasing. It is also very likely that the company had used a septic system until 1974, when the industrial waste permit to the sewer was issued. To our knowledge, this site, which is similar to the majority of sites in the Study Area, has never been investigated for releases of chlorinated solvents.

5.3.1 Manufacturing Companies

The information about the documented use and disposal of chemicals by companies in the site vicinity are summarized in Table 7, and complete records are contained in Appendix F. Refer to Figure 5 for site locations. Information related to chlorinated solvents is discussed below.

Accurate Engineering has operated as a printed circuit board manufacturer at 8710 Telfair Avenue since 1971 and has performed degreasing. It has documented generation of waste containing TCA and TCE between 1985 and 1991. Seventy gallons of TCE waste was generated in 1991. At least 735 gallons of TCA waste was generated between 1985 and 1991, and TCA was in use as late as in 2009. The company used a still to recycle TCA and TCE.

Berkot Manufacturing has operated as a warehouse equipment manufacturer at 11285 Goss Street since 1972 and has documented use of TCA. The owner told the RWQCB in a letter dated October 31, 1991 that only a small amount of TCA had been used. However, the Los Angeles Fire Department reported an annual usage of 1,200 gallons of TCA, which was discontinued in 1992.. No records were found on hazardous waste generation. The company used a cesspool as late as in 1991.

Dixon Hardchrome has performed electroplating and anodizing at 11645 Pendleton Street since 1954. PCE and TCA degreasers were documented in use from 1982 to approximately 2002. A 500-gallon aboveground storage tank (AST) contained TCA, and a 300-gallon AST contained PCE. At least 2,909 gallons of PCE waste was generated between 1986 and 1999 and 960 gallons of TCA waste from 1987 to 1999. A soil-gas survey of unknown scope performed in 1993 allegedly did not indicate subsurface contamination at the site. The facility stated to the RWQCB that it discontinued using chlorinated solvents after the soil-gas survey in 1993, although records show the use continued until approximately 2002.

Genex Aviron was a manufacturer of aircraft parts and operated at 8647 San Fernando Road from approximately 1958 to 1986 (28 years). In 1986, drums and containers containing chemicals, including TCE from the facility, had been dumped at 8620 Tujunga Avenue, directly east of the subject site, north of Penrose Street. Therefore, the facility had documented use of TCE. No records were found on hazardous waste generation.

Globe Aerospace was a manufacturer of aircraft parts and operated at 11331 Penrose Street from approximately 1980 to 1995 (15 years). PCE was used in vapor degreasing, and a permit for degreaser was issued in 1981. No records were found on hazardous waste generation.

Lado Manufacturing has operated as a machine shop at 11400 Luddington Street since 1980 (32 years). In 1992, the company reportedly discontinued using TCA and methylene chloride near an industrial waste clarifier. In the same year, TCA and methylene chloride were detected in soil samples and PCE in water samples from the clarifier. The company obtained a hazardous waste generation ID in 1986, but there are no records of permitted hazardous waste disposal.

Mail Pac engaged in direct-mail services, which likely included printing, and operated at 8430 Tujunga Avenue from approximately 1989 to 2009. In 2001, PCE waste was disposed of and chlorinated solvents waste in 2000 and 2002. The total mass disposed of was 0.95 tons.

Precision Die and Stamp operated at 11519 Tuxford Street from an unknown date to approximately 1982 and at 11533 Tuxford Street from approximately 1982 to the present. Although it terminated operations at 11519 Tuxford Street before hazardous waste tracking had been implemented, its operations at 11533 Tuxford Street included degreasing and documented use of PCE and TCA. TCA waste (154 gallons) was generated in 1991 and 0.3544 tons of chlorinated solvents waste in 1994.

Roscoe Sheet Metal has performed sheet metal fabrication at 8508 San Fernando Road since 1967. It stated to the RWQCB in 1995 that it did not use any solvents but did not respond to questions regarding past use of solvents or use of degreasers. No records were found on hazardous waste generation, but in 2005 a company called J & M Containers (a waste hauler) acted as generator of 0.6672 tons of chlorinated solvents waste at this address. J & M Containers is now out of business and was previously located at 11029 Penrose Street, Sun Valley. There is no evidence that this company operated at 8508 San Fernando Road.

Prime Plating has performed electroplating and anodizing at 11321 Goss Street since 1986. It used a vapor degreaser and has documented use of TCA from at least 1993 to 2006. Methylene chloride was detected in stormwater runoff from the facility in 2002. Prior to Prime Plating's operation, another company in the same business, All Valley Plating, operated at the site from 1982 to 1986. However, this business was shut down and the owners were criminally prosecuted in 1986 for discharging solvents and heavy metals into the sewer. All Valley Plating reportedly used no solvents for degreasing. No records were found on hazardous waste generation by All Valley Plating.

Of the foregoing operations, Genex Aviron, Globe Aerospace and Lado Manufacturing are located within the Tujunga-Penrose-San Fernando Triangle and therefore would have the highest probability to have caused the persistent TCE detections in well 4917A, but it must be stressed that this information is limited to companies that operated after the 1970s since very little information exists from prior years. Since Precision Die and Stamp is located immediately upgradient of 4917B and has documented use of TCA in large amounts, the detections of TCA and associated compounds in this well are likely related to this company.

Before 1988, when the flow direction across the subject site likely would have been south or southeast, Accurate Engineering, Aircraft Tank Service, Monogram/GVI and Dixon Hardchrome were likely upgradient of the site and may have contributed to the chlorinated solvent concentrations detected in the wells on Penrose Landfill before 1988.

5.3.1.1 Chemical Dumping into Septic Systems

Cesspools and septic tanks are known as septic systems. Cesspools are also called dry wells and were typically constructed as 5-foot-diameter, vertical perforated pipes that were 25 to 30 feet deep. After 1952 in the City of Los Angeles, septic tanks had to be installed with any newly permitted cesspool. Prior to 1952, only cesspools were typically installed. Users of cesspools and septic tanks were never permitted to discharge chemical waste, but use was strictly limited to domestic sewage..

In the early 1980s, the local authorities became aware of that many companies still used septic tanks and cesspools for the illegal disposal of chemical waste. In response, The City of Los Angeles Bureau of Sanitation adopted an ordinance in 1985 that required the proper abandonment of commercial and industrial private sewage disposal systems and connection to the public sewer system where and when it was available.

Tests by the LADWP on waste from septic systems in the San Fernando Valley discovered the same chemicals that were found in nearby wells (*Los Angeles Times,* February 24, 1986). Articles written by the *Los Angeles Times* and other information related to cesspools and septic tanks are contained in Appendix H. In January of 1987, 618 businesses in the San Fernando Valley dumped sewage into septic tanks and cesspools although they had access to sewer systems and were given a one-year notice to switch to sewers. Illegal discharges of chemicals to septic tanks and cesspools were very difficult to monitor, and the locations of the cesspools were sometimes unknown.

In some cases, cesspools could still have been used after a company hooked up to the sewer if the cesspool had never been permitted. If the cesspool was permitted, once sewer connection was

available, the cesspool and all lines connected to it would be capped, and it would be closed as a part of an established closure procedure.[7]

In the vicinity of the subject site, businesses were converted to sewers as early as in the mid-1960s and as late as the early 1990s. Therefore, it is safe to say that the businesses at the majority of properties near the subject site started operations with septic tanks and cesspools, and operations on very few properties started with sewer connections. Once the discharge switched to the sewer system, it became easier for agencies to monitor illegal discharges of chemicals, as discussed in the case of All Valley Plating (see Section 5.3.1).

While we have not found information on chlorinated solvent discharges to septic tanks and cesspools near the subject site, the authorities did not begin to monitor for such discharges until the 1980s and because groundwater was so deep in the vicinity of the site, the perception may have been that the risk for groundwater contamination would be low. Furthermore, we have also been unable to find whether any septic tank or cesspool in the vicinity of the subject site was ever sampled in the 1980s when this issue became prominent.

As discussed in the previous section, many companies near the subject site in the 1980s and 1990s were known to have used chemicals, including chlorinated solvents, and in some cases even obtained hazardous waste generation IDs, but in many cases there are no records of legal disposal of associated waste chemicals. This is an indication that discharges of chemicals to the septic system or cesspools likely occurred, as it would be difficult if not impossible to completely eliminate the need to generate associated waste.

TCA was legally used as a drain and septic tank cleaner in the U.S. until at least the 1980s (Oregon Department of Human Services, January, 1989). Hence, TCE or PCE for that matter could also have been used for a similar purpose to clean out the septic tanks and cesspools. Over time, chemical oily sludge and domestic greasy sludge would build up inside the septic systems and slow down the percolation. The dumping of chlorinated solvent liquids into the septic tanks cesspools would have been an effective method to clear out such clogs and allow free flow through the cesspools. The disposal of these wastes into the septic systems would not have presented any problems for the companies themselves at that time but could obviously have caused the serious groundwater contamination we are dealing with today.

The Tuxford Dump during its operational time could not accept any liquid waste, and since liquid waste from septic systems and cesspools would be hauled in with vacuum trucks this would have been very easy to monitor and prevent. Furthermore, no disposal costs would have been incurred for the companies that dumped chlorinated solvents into the septic systems. These companies that were familiar with the powerful degreasing properties of the chlorinated solvents must have known that the chlorinated solvents would percolate through the underlying sand and gravel and would not accumulate in the septic systems.

Since 1988 when the monitoring started, the depth to groundwater beneath the subject site has ranged from 307 to 350 feet bgs, but in earlier years groundwater levels were shallower and depths to groundwater could have been as shallow as approximately 225 feet bgs in 1954 in the vicinity of the site. A shallower groundwater table would also have facilitated a shorter transport distance for the chlorinated solvents to reach the groundwater.

Discharging large quantities of chlorinated solvents into septic tanks and cesspools, combined with the domestic sewage volume, would have created an optimal condition for the solvents to reach the underlying groundwater, since the chemicals would be discharged underground and not be subject to

[7] Personal communication, Hyginus Mmeje, City of Los Angeles, Sanitation Department.

volatilization losses. Once inside the septic tank and cesspool, the chemicals would move downward through the permeable soil as either dense non aqueous-phase liquids (DNAPLs), dissolved in groundwater, or in a vapor phase. DNAPLS trapped in residual solvent sludge would act as a continuous source of groundwater contamination. TCE, which is the chemical alleged to have been released at the subject site, when compared to PCE has a relatively high maximum solubility in water (1,100 mg/L for TCE vs. 200 mg/L for PCE) and sorbs to a lesser degree to soil particles than PCE does. Therefore and given that the maximum concentration of TCE detected in well 4917A was 200 µg/L in 1988, the TCE could also have entered the aquifer upgradient of well 4917A as dissolved in water rather than as a DNAPL (see Section 5.4.1).[8]

5.3.2 Landfills

Apart from the subject site, three other sites in the vicinity were previously used as landfills, namely Penrose Landfill, Newberry Landfill and Strathern Landfill. Similar to the former Tuxford Dump, these landfills operated on former sand and gravel quarries. Penrose Landfill occupied approximately 100 acres and was located immediately south of the subject site, south of Penrose Street and west of Tujunga Avenue. This landfill operated from 1962 to 1985 (23 years) and was designated a Class II-2 landfill that accepted household rubbish.

Newberry Landfill occupied approximately 40 acres and was located approximately 1,000 feet southeast of the subject site, south of Roscoe Boulevard. This landfill operated from 1948 to 1955 (7 years) and accepted rubbish with an unknown Class designation.

Strathern Landfill occupied approximately 45 acres and was located approximately 1,500 feet southeast of the subject site, directly south of Newberry Landfill. This landfill operated from 1992 to approximately 2009 (17 years) and accepted only inert waste.

Tuxford Dump at the subject site operated at a period of time (13 months from 1948 to 1949 and 1955 to 1960) when there would be little incentive for companies that used chlorinated solvents and generated chlorinated solvent waste to take it there for disposal. Furthermore, it had a restriction on accepting liquid waste. In previous assessments at the subject site, no leachate has ever been reported and encountered, and reported moisture contents have been low, in the damp to moist range. As discussed in Sections 5.2.1 and 5.2.2, the soil-matrix and soil-gas data obtained from the subject site show no indication of any potential releases of chlorinated solvents, including TCE. We have also found no information on Strathern Landfill and Newberry Landfill that would indicate any potential past releases of chlorinated solvents.

Penrose Landfill also reportedly did not accept any liquid waste, but it operated from 1962 through the 1970s and until 1985 during a period when it became more difficult for companies to dump chemicals in septic systems, and sewers, which were relatively easy to monitor by the authorities, were phased in. The soil-matrix and soil-gas data suggest that chemicals, in particular PCE, may have been released at the site. This theory is further strengthened by the documented generation of chlorinated solvents as hazardous waste at the site from 1999 to 2002. In 2001, the generation of chlorinated solvents waste peaked at 37.947 tons, or 75,894 pounds. The following year, 27.1050 tons of chlorinated solvent waste were generated. PCE waste was generated from 1999 through 2001 and peaked at 1.499 tons (2,988 pounds) in 1999. Some of the chlorinated solvent waste generated may be related to liquid condensate from the methane recovery system, but we have not been able to confirm this assumption (see Appendix F for related documents).

[8] In the early 1990s, research indicated that concentrations of 1% or more of a compound's solubility imply a high likelihood of the presence of a DNAPL (Cohen et al., 1993; U.S. EPA, 1992, 1993). The current convention is consistent with the "1% rule." For TCE, 1% would be 11,000 µg/L.

As further evidence of likely PCE releases at Penrose Landfill, the consistent increase in PCE concentrations in well 4918, which has been downgradient of well 4917A since 1988, suggests the existence of a PCE source in the northern half of Penrose Landfill. The elevated TCE concentrations detected in well 4918B in 2007 (35.8 to 37.1 µg/L) were likely caused by PCE releases from the Penrose Landfill that degraded to TCE, but could also be from releases from the upgradient Tujunga-Penrose-San Fernando Triangle (see Section 5.4.2).

5.4 Evaluation of Groundwater Flow Directions and VOC Plumes

5.4.1 Horizontal Groundwater and Chemical Flow Velocities

Based on the available groundwater chemical concentration data, and on the physical properties of the soil encountered in the site vicinity, solute transport velocities of TCE and PCE have been calculated for the site using the following formula:

$$V_s = \frac{v_x}{Rf}$$

Solute velocity (V_s) is equal to the average horizontal groundwater seepage velocity (v_x) divided by the retardation factor (Rf; where Rf_{TCE}= 2.2 and Rf_{PCE}= 3.5), and does not account for the effects of dispersion and diffusion. Because sorption varies with location in the aquifer, the actual retardation factors may differ from the values used in this section. In general, the average solute velocity of PCE is approximately two-thirds that of TCE, since TCE is more mobile in groundwater than PCE.

The average horizontal groundwater seepage velocity in the alluvial deposits was estimated using the following equation (Law Environmental, 1990):

$$v_x = \frac{Ki}{7.48S_y} \times 365$$

Where:

v_x	=	average horizontal groundwater seepage velocity (ft/yr),
K	=	permeability in gpd/ft of aquifer
i	=	hydraulic gradient,
S_y	=	specific yield
		365 and 7.48 are conversion factors between gallons per day to feet per year

The hydraulic gradient during the October 2011 sampling event was calculated to be 0.0055 (see Section 4.3). Based on an assumed permeability of 1,500 gpd/ft (Law Environmental, 1990), an effective porosity of 22.5 percent (average of sand and gravel porosity; Heath, 1998), and a specific yield of 0.30 (Law Environmental, 1990), the average horizontal groundwater seepage velocity at the site under conditions similar to the most recent sampling event is approximately 3.38 ft/day or 1,234 ft/yr. Applying the retardation factors yields solute velocities for TCE of 561 ft/yr, and for PCE of 352 ft/yr. Recalculating these solute velocities using the pre-1988 hydraulic gradient across the site of 0.0026 (LCA, 1987; see Figure 6) yields solute velocities for TCE of 288 ft/yr, and for PCE of 181 ft/yr.

Therefore, based on the current hydraulic gradient, it would take approximately 1 year to 2.3 years for TCE, and approximately 1.7 to 3.7 years for PCE in the groundwater to reach well 4917A if the source originated from an upgradient site within the Tujunga-Penrose-San Fernando Triangle, as depicted on Figure 5. The travel time would depend on the distance from a release point source to well 4917A (approximately 600 to 1,300 feet). The downgradient distance from the site to the Rinaldi-Toluca well field is approximately 7,500 feet. Therefore, it would take approximately 13.4 years for TCE, and 21.3 years for PCE contamination to reach the Rinaldi-Toluca Well Field. Therefore, since some wells in the

Rinaldi-Toluca Well Field had to shut down in the 1980s (i.e. within two years of their startup) due to VOC contamination, the contamination could not have originated from the vicinity of the subject site. Furthermore, the approximate travel time between well 4917A and 4918 (approximately 1,500 feet) would be 2.7 years for TCE, and 4.3 years for PCE.

5.4.2 BIOCHLOR Dissolved Solvent Models

The BIOCHLOR program was developed (USEPA, 2000) using the Domenico analytical solute transport model (Domenico, 1987) to simulate plume extent given known physical properties which control advection, adsorption, and dispersion. The program also includes an option to add the effects due to biodegradation (reductive dechlorination) into daughter products. The calculations we present in Section 5.4.1 model only the effects of advection and adsorption on solute transport. Faster travel times would be calculated if effects due to dispersion were included in the model (i.e. due to the additional component to the solute velocity in the plume travel direction).

Using BIOCHLOR, LE simulated TCE concentrations along a plume centerline originating at 4917A migrating downgradient toward the Rinaldi-Toluca Well Field. The model uses the seepage velocity calculated in Section 5.4.1 (1,234 ft/yr), the maximum TCE concentration detected in well 4917A (200 µg/L on July 29, 1988), and dispersivity was calculated using the modified Xu and Eckstein approach (Xu and Eckstein, 1995) for a plume length of 8,000 feet. The model produced predicted TCE concentrations as a function of downgradient distance from well 4917A, which are shown on Figure 20 for simulated numbers of years since the 1988 sampling date. Based on this model, TCE concentrations detected at well 4917A in 1988 would not be recorded in groundwater samples above laboratory detection limits at the Rinaldi-Toluca Well Field for at least approximately 10 to 12 years. Figure 20 also depicts the range of TCE concentrations that have been historically detected in downgradient wells 4918 and NH-C22-360 during selected sampling events. TCE concentrations were detected in downgradient well 4918 (approximately 1,500 feet downgradient) at concentrations similar to the model predicted values.

Note, if effects due to biodegradation are included in the model, substantially lower concentrations of chlorinated solvents and their daughter products would be expected in downgradient wells. Simulations including biotransformation predict TCE concentrations will reduce to below laboratory detection limits prior to reaching the Rinaldi-Toluca Well Field (assuming reductive dechlorination along the entire plume length and an instantaneous point source concentration of 200 mg/L). Therefore, the estimated travel time of 10-12 years is conservative.

5.4.3 Vertical Chemical Flow Velocities

Laboratory experiments have determined DNAPL released into the subsurface can take as little as 10 minutes to travel vertically through 2 feet of variably saturated porous sediments (Schwille, 1988). At this rate, DNAPL released in the vicinity of the Site, excluding losses to volatilization, from the surface could reach the groundwater table in days. However, releases associated with cesspools and septic tanks are likely to include predominantly dissolved-phase contamination. Ignoring effects from dispersion and reactions, the vertical transport of a dissolved-phase VOC plume in the vadose zone is primarily controlled by the vertical groundwater seepage velocity (v_y) and sorption. The vertical groundwater seepage velocity is assumed to be equivalent to the average interstitial velocity, which is related to discharge by (Lohman, et. al, 1972),

$$\text{average interstitial velocity} = \frac{\text{specific discharge}}{\text{effective porosity}}$$

Travel time is related to the seepage velocity by the following:

distance (depth to groundwater) = rate (v_y) x time (t)

therefore,

$$t = \frac{\text{depth to groundwater}}{\text{specific discharge/effective porosity}}$$

Typical water usage rates for manufacturing facilities are 15-35 gallons per person, per day (Seelye, 1959). Assuming an average staff of 20 workers per shift (1 shift per day, 5 days per week), we can conservatively estimate a water usage of approximately 500 gallons per day[9]. Given a cesspool diameter of 5 feet, specific discharge would be approximately 3.5 feet per day through the bottom of the cesspool. Assuming an average porosity value of 22.5%, the thickness of the vadose zone (300 ft), solving for t above, and multiplying by the retardation factors Rf_{TCE} and Rf_{PCE} to account for sorption, the conservative minimum vertical travel time in the vadose zone of dissolved-phase TCE would be 42 days, and for PCE would be 67.5 days. Therefore, dissolved-phase chlorinated solvents could reach the groundwater table within a few months at the most.

5.4.4 Conditions before 1988

Based on an analysis of the groundwater elevation data, and in consideration of the chemical concentration data, groundwater flow conditions in the site vicinity prior to 1988 were very different than during and after 1988. In addition to the groundwater elevation data, pre-1988 VOC chemical data provide important insights on the sources of PCE and TCE contamination at and in the vicinity of the subject site, and have significant bearing on understanding the source, fate, and transport of PCE and TCE in the site vicinity. An April 1987 groundwater elevation contour map (LCA, 1987) depicts the pre-1988 groundwater flow direction (see Figure 6). Also, it should be noted whenever the groundwater flow direction is approximately perpendicular to the orientation of wells 4927 and 4918, the groundwater elevation difference between these two wells should be nearly zero (i.e. they would lie along an equal groundwater elevation contour if they are oriented perpendicular to the groundwater flow direction). This feature is illustrated on the April 1987 groundwater contour map (Figure 6). Based on the groundwater elevation data presented on Table 1, the elevation difference between wells 4927 and 4918 was nearly zero (such as the April 1987 event) from at least 1984 until 1988, and on April 15, 1987, the two wells recorded the same elevation. Therefore prior to 1988, it appears there was a consistently southeastern groundwater flow direction across the subject site.

The pre-1988 VOC chemical data provide additional insights on the sources of PCE and TCE contamination at and in the vicinity of the subject site. Based on this flow regime, the well most immediately downgradient of well 4917A (well 4927) had no detections of TCE from 1984 through 1987 and only trace levels, 2 µg/L in 1988 and 1989. Well 4928B, farther downgradient of well 4927, also had no concentrations of TCE from 1984 through 1988. Recalculating the solute velocities described in Section 5.4.1 using the pre-1988 hydraulic gradient across the site of 0.0026 (LCA, 1987; see Figure 6) yields solute velocities for TCE of 288 ft/yr, and for PCE of 181 ft/yr. Based on the pre-1988 solute velocities calculated in the previous section, a plume of TCE originating from the subject site would reach downgradient wells 4927 in approximately 2.7 to 7 years and well 4928B in approximately 5.8 to 10.4 years. Therefore, since the Tuxford Dump closed in 1960, and any TCE releases at the site would have had to occur before then, and would have migrated downgradient to 4927, the absence of TCE detected in well 4927 and 4928B shows no TCE release occurred at the site.

In well 4928A, TCE was detected at a concentration all 44 µg/L on December 31, 1984 and 37 µg/L on September 9, 1985. No concentrations of TCE were detected during other sampling events in this well from 1984 to 1996. From 1988 to 2007, TCE concentrations were either not detected or at trace levels. In

[9] 35 gallons/person × 20 persons ×5 days ÷ 7 days = 500 gallons/day

well 4918A, TCE was detected at a concentration of 29 µg/L on December 31, 1984, 30 µg/L on June 19, 1985, and then at concentrations ranging to 8 µg/L in 1985 and 1986. In 1988 and 1989 the TCE concentrations in this well were high, and maximum concentrations of 68 and 95 µg/L were recorded. In well 4918, elevated TCE concentrations were detected from 1985 to 1987, ranging up to 50 µg/L. The elevated concentrations of TCE in 4918 continued from 1988 to 1990, and when sampling resumed in 2007, TCE concentrations above MCLs were recorded and peaked at 130 µg/L in February, 1989.

Based on the groundwater flow direction to the southeast and the absence of TCE detections in well 4927 and 4928B, coupled with the TCE detections in 4928A, 4918A, and 4918, LE believes a TCE plume was passing west of the subject site and moving to the southeast (see Figure 17). Since plumes disperse laterally as they move downgradient, and no TCE was detected in 4927, the source of the TCE is most likely located within relatively close proximity; south, or immediately north, of I-5 Golden State Freeway, and northwest of the subject site. Wells 4918 and 4918B were not downgradient of the subject site before 1988 and the TCE detections in these wells could not be explained with a TCE source at the subject site. Prior to 1988, there were no groundwater monitoring wells located southeast (downgradient) of the Tujunga-Penrose-San Fernando Triangle, and any TCE releases from within this area would have gone unnoticed.

5.4.5 Conditions after 1988

After 1988, there is evidence of a significant change in the groundwater flow direction across the subject site. Evidence for a change is the groundwater flow direction comes from a number of sources. As discussed above, if the groundwater flow direction were perpendicular to wells 4927 and 4918, the elevation difference would be minimal. Comparing groundwater elevations between these two wells through 1988 monitoring events, indicated a step increase in the elevation difference starting with the April, 1988 event. Since 1988, the elevation in well 4927 has been higher than in 4918, implying there is a western component to the groundwater flow direction. Furthermore, if the groundwater flow direction was oriented perpendicular to the orientation of wells 4917A and 4927 (i.e. to the west-southwest), these two wells would have a minimal groundwater elevation difference (rather than 4927 being situated directly downgradient of the subject site as prior to 1988). Based on the groundwater elevation data, these wells appear to be oriented perpendicular to the groundwater flow direction in April, 1988 indicating the change in groundwater flow from southeast to southwest.

The interpretation of groundwater flow directions in the site vicinity for the three 1988 monitoring events are shown on Figure 4, based on the gradient calculated from the Borescope Survey, as discussed in Section 4.3. Groundwater elevation contour maps for the three sampling dates in 1988 are presented on Figures 7 through 9, based on the available groundwater elevation data. Law Environmental made a different interpretation in their reports and showed the groundwater flow across the subject site to still be to the southeast in 1988 which would then make well 4917A downgradient of well 4917B, however we have not found any scientific basis for this interpretation.

Data obtained from the Upper Los Angeles River Area (ULARA) Watermaster report for the October 1, 1987 through September 30, 1988 water year indicate a major basin-wide decrease in groundwater elevations, which explain the commensurate change in local groundwater flow directions. According to the report, a groundwater depression formed to the southwest of the subject site (ULARA, 1989). According to ULARA, the change in the water surface elevation from the fall of 1987 to the fall of 1988 in the North Hollywood area is related to the increase in pumping in the North Hollywood wells and the startup of the newly installed Rinaldi-Toluca production wells (located to the southwest of the subject site, see Figure 2). The Rinaldi-Toluca Well Field began production in August 1988. However, it appears that groundwater elevations decreased throughout the NHOU before production began in August, due to the increased pumping in the North Hollywood Well Field. Based on data from well 4918 between 1985 through 1990, groundwater elevations begin to decrease at a steady rate following the July 1986 sampling period (see Figure 18). This trend likely reflects the basin-wide groundwater

elevation change discussed above, which clearly precedes the April 1988 sampling event at the site. The startup of the remedial extraction wells (NHE-1 through NHE-8) in 1989, would have influenced groundwater flow to the southwest and south and the startup of the Tujunga Well Field in 1993 may have influenced groundwater flow toward the west (see Figures 2 and 3).

Once the groundwater flow direction changed from southeast to southwest by April 1988, well 4918 in particular, and wells 4918B and 4918 a to a lesser degree, became downgradient of 4917A and the Tujunga-Penrose-San Fernando Triangle. The source of the pre-1988 TCE plume which is believed to have migrated west of the subject site (see Figure 17) to the southeast beneath Penrose Landfill would after 1988 become cross gradient to Penrose Landfill. See Figure 4 for a depiction of groundwater flow directions before and after 1988. The continued absence of TCE in well 4927[10], before and after 1988, suggests that the source of TCE in well 4917A most likely originated from one or several sources within the Tujunga-Penrose-San Fernando Triangle. See Figure 19 for an illustration of the source area and TCE plume in groundwater, noting that there could be more than one source point within the Tujunga-Penrose-San Fernando Triangle

It should also be noted that a site located north of San Fernando Road in a northeast direction could also have caused the TCE concentrations in 4917A, however any release from a site north of San Fernando Road would increase the probability that the TCE plume would disperse laterally as it moved downgradient and also reach well 4927 which detected only minor TCE levels in 1988 and 1989. Therefore, the probability of a TCE release at a site north of San Fernando Road causing the TCE detections in 4917A is small and decreases with distance to the north. For the same reason, it is unlikely that any TCE releases north of the Verdugo Fault caused the TCE concentrations in 4917A.

The increase in PCE concentrations from well 4917A to well 4918 suggests the existence of a PCE source in the northern half of Penrose Landfill. The elevated TCE concentrations detected in well 4918B in 2007 (35.8 to 37.1 µg/L) were likely caused by PCE releases from Penrose Landfill that degraded to TCE but could also be from the Tujunga-Penrose-San Fernando Triangle, although less likely since no TCE was detected in 4927 in 2007, except for a trace level (0.24J µg/L) in September.

6. SUMMARY OF FINDINGS

- The subject site is located at 11590 Tuxford Street, Sun Valley. The areas surrounding the site were developed from farmland and residential to the current industrial and manufacturing use starting in the mid-1950s. The site is capped with concrete and asphalt and occupies approximately 26 acres. The site is operated by California Car Hikers and has been used as an auto salvage yard since 1961.The southern half of the site was used for bus maintenance from approximately 1973 to 1983. There is no record of any parts washing or degreasing at the site.

- Before 1961, the site was a daily cover-type landfill that could accept only nonhazardous dry materials. The landfill, which was called Tuxford Dump, was operated by the previous owner, Los Angeles By-Products, from April 1948 to May 1949 when it was temporarily closed, and then from 1955 to October 1, 1960, when operations as a landfill terminated. The landfill was located within a 20-acre depleted sand and gravel quarry.

- California Car Hikers has been named a responsible party by EPA in the NHOU Superfund matter on the basis that consistently higher levels of TCE have been detected in well 4917A than in well 4917B since groundwater monitoring started in 1988, and that past landfill operations at the site caused this contamination. The EPA further believes that the site is a continuous source of TCE

[10] 4927 was not downgradient of the Tujunga-Penrose-San Fernando Triangle before or after 1988.

contamination to the public water supply. Except for TCE, EPA has not alleged that any other chemicals that caused groundwater contamination were released at the site.

- EPA believes that well 4917B is an upgradient well to the site and that well 4917A is downgradient of well 4917B on the basis that the groundwater flow across the site is to the southeast.

- Historically, the groundwater elevations beneath the site have been higher than current levels. The bottom of the excavation pit which received the waste, extended to a maximum depth of 710 feet above MSL in 1954. At that time the groundwater elevation in the vicinity of the site was approximately 615 feet above MSL. This elevation would equate to a depth to groundwater beneath the site of approximately 225 feet in 1954. Since that time the groundwater elevations have dropped, and since 1988 the depth to groundwater beneath the site has ranged from 307 to 350 feet bgs.

- The site is in relative close proximity to two well fields, the Rinaldi-Tuluca Well Field (1.4 miles to the southwest) and the Tujunga Well Field (1.6 miles to the west northwest). The well fields were constructed to replace wells contaminated by principally TCE and PCE.

- The Rinaldi-Toluca Well Field consists of 15 groundwater extraction wells that were installed between 1986 and 1989, with full production beginning in August 1988. However, groundwater production testing likely immediately followed well installation activities; therefore, influence on groundwater flow in the site vicinity from this well field likely preceded the summer startup by several months. The Tujunga Well Field consists of 12 groundwater extraction wells, with full production beginning in July 1993. Approximately 50 percent of LADWP's production wells in the Rinaldi-Toluca well field are still being pumped, with the other 50 percent of the wells shut down in the 1980s due to contamination.

- The EPA has prepared groundwater plume maps for PCE and TCE starting in 1990. It should be noted that the plume maps are based on information from the wells that were sampled during any given period, and it is common that wells were not sampled periodically, which resulted in data gaps and a perception that a plume had changed shape or disappeared. Furthermore, there were no groundwater monitoring wells located west or southwest of the site until in 2009 when a new well, NH-C22-360, was installed approximately 4,500 feet southwest and downgradient of the site. EPA generally depicts a TCE plume from the site migrating to the south and southeast.

- In December 1989, EPA began operation of the first interim cleanup remedy consisting of a 2,000-gallon-per-minute (gpm) groundwater pump-and-treat system. The northernmost extraction well of this remedy is located approximately 2,000 feet south of the Rinaldi-Toluca Well Field. As a result of elevated concentrations of emerging chemicals, including chromium VI and 1,4-dioxane, EPA proceeded with the implementation of a Second Interim Remedy to include installation of wellhead treatment for chromium VI and 1,4-dioxane, expanding the combined treatment system, installing additional monitoring wells, and installing and operating three additional groundwater extraction wells. While we believe that the groundwater monitoring wells have been installed, we do not know the status of the implementation of groundwater extraction and treatment as a part of the Second Interim Remedy.

- Since the mid-1950s, properties near the site and especially east of Tujunga Avenue and north of Penrose Street have been occupied by machine shops and metal parts manufacturing companies. Based on the operation of those companies and the time they were in business, the majority of them would have used chlorinated solvents in degreasing of metal parts.

- Until the late 1960s, TCE, was the most common solvent used in metal cleaning and degreasing in the Los Angeles area. After the late 1960s, many companies shifted from TCE to TCA and also to PCE to a lesser degree, and the use of TCE gradually decreased over the years.

- Cesspools and septic tanks are known as septic systems. Cesspools are also called dry wells and were typically constructed as 5-foot-diameter, vertical perforated pipes that were 25 to 30 feet deep. After 1952 in the City of Los Angeles, septic tanks had to be installed with any newly permitted cesspool. Prior to 1952, only cesspools were typically installed.

- Degreasing would result in the generation of chlorinated solvent liquid and sludge waste at regular intervals, typically every two months, at which times the degreaser would be drained and the spent solvent had to be disposed of. Depending on the method used, cold cleaning could also generate large amounts of waste. Since there was very little environmental awareness, especially until the late 1970s, and off-site disposal would substantially increase the cost, it would be very tempting for many companies to use existing cesspools or septic systems for disposal of the solvent waste.

- In the early 1980s, the local authorities became aware of that many companies still used septic tanks and cesspools for the illegal disposal of chemical waste. In response, The City of Los Angeles Bureau of Sanitation adopted an ordinance in 1985 that required the proper abandonment of commercial and industrial private sewage disposal systems and connection to the public sewer system where and when it was available.

- Tests by the LADWP on waste from septic systems in the San Fernando Valley discovered the same chemicals that were found in nearby wells. In January of 1987, 618 businesses in the San Fernando Valley dumped sewage into septic tanks and cesspools although they had access to sewer systems, and were given a one-year notice to switch to sewers. Illegal discharges of chemicals to septic tanks and cesspools were very difficult to monitor, and the locations of the cesspools were sometimes unknown.

- In the vicinity of the subject site, businesses were converted to sewers as early as the mid-1960s and as late as the early 1990s. Once the discharge switched to the sewer system, it became easier for agencies to monitor illegal discharges of chemicals, and at least one company in the site vicinity was found to have dumped chemicals into the sewer system and was criminally prosecuted.

- The Tuxford Dump could not accept any liquid waste during its operational time. Since liquid waste from septic systems and cesspools would be hauled in with vacuum trucks, disposal of liquid waste in this fashion would have been very easy to monitor and prevent.

- Because TCA was legally used as a drain and septic tank cleaner until at least the 1980s, TCE or PCE for that matter could also have been used for a similar purpose. Over time, chemical oily sludge and domestic greasy sludge would build up inside the septic systems and slow down the percolation. The dumping of chlorinated solvent liquids into the septic tanks cesspools would have been an effective method to clear out such clogs and allow free flow through the cesspools.

- No laws existed for tracking and management of chlorinated solvent waste until the first Resource Conservation and Recovery Act (RCRA) regulations passed in 1980 and established the "cradle to grave" hazardous waste management system.

- Our investigation identified 19 sites and 40 companies within the Tujunga-Penrose-San Fernando Triangle that may have caused the TCE contamination detected in well 4917 A, as well as 14 other sites and 17 companies that may also have caused releases of chlorinated solvents and groundwater contamination, although not specifically contamination by TCE in well 4917A.

- Soil matrix data exist for very few properties in the site vicinity. Our investigation found references to soil-matrix results for PCE and TCE for Penrose Landfill and the subject site and indicated that PCE had been detected at the Penrose Landfill in 1993 at a maximum concentration of 3. 2 mg/kg (3,200 µg/kg), while TCE had not been detected. Soil-matrix samples were also collected at the subject site in April of 1988, but neither PCE nor TCE was detected.

- Our investigation also revealed soil-matrix data for Berkot Manufacturing at 12285 Goss Street. This site is located 1,000 feet east northeast of well 4917A on the subject site. In 1992, three shallow soil borings to a maximum 10-foot depth were drilled in an area where the RWQCB had observed that spray painting was conducted on bare asphalt. No soil contamination was detected, but no soil-gas sampling was performed. This site also had a cesspool at a known location, but no borings were drilled at the cesspool.

- At Lado Manufacturing, 11400 Luddington Street, methylene chloride (91 µg/kg), TCA (67 µg/kg) and chloroform (342 µg/kg) were detected in soil samples near a clarifier in 1992, but the RWQCB felt that the concentrations were too low to investigate further. This site is located 800 feet northeast of well 4917A on the subject site. In addition, PCE was also detected in water samples collected from the clarifier indicating the past use of PCE at this site.

- Soil-gas samples have been collected at the subject site and at Penrose Landfill. At the subject site, the analytical results for two soil-gas samples collected in November 1987 indicated no detectable VOCs, including chlorinated solvents. Although no VOCs were detected, the detection limit was 1 ppm (1,000 parts per billion [ppb]), whereas the detection limit in December 1989 when another soil-gas sample was collected was only 50 ppb. The December 1989 results showed a TCE concentration of 70 ppb and PCE at 180 ppb. In July 1981, a soil-gas sample was also collected at Penrose Landfill. The results indicated much higher concentrations of VOCs in soil gas beneath Penrose Landfill than beneath the subject site with TCE detected at 5,100 ppb (72.8 times higher than the subject site) and PCE at 9,600 ppb (53.3 times higher than the subject site). The composition of VOCs in soil gas samples beneath the subject site did not correlate well to the composition of VOCs in the groundwater of well 4917A. Furthermore, it would not even be theoretically possible for the maximum TCE concentration in soil gas beneath the subject site to have caused the TCE concentrations detected in well 4917A.

- Soil-gas samples were also collected at Dixon Hardchrome in 1993 and Prime Plating in 1997. Soil-gas samples collected at Dixon Hardchrome did not indicate subsurface contamination at that location. At Prime Plating, the analytical results for 10 soil-gas samples collected at 5-feet bgs indicated only trace concentrations of VOCs. Based on the analytical results, the RWQCB determined no remediation was required.. In 2006 the DTSC conducted a site visit at Prime Plating and determined no further action was required.

- Well 4917B has recorded concentrations above detection limits of TCA (maximum concentration of 250 µg/L) and its breakdown products 1,1- dichloroethane (maximum concentration of 35 µg/L) and 1,1-dichloroethene (maximum concentration of 510 µg/L). Furthermore, 1,4-dioxane which is a compound that is also associated with TCA has been detected in 4917B (maximum concentration of 7.5 µg/L). Since these compounds were first detected in well 4917B in 2007, except for a low concentration (1.61 µg/L) of 1,1-dichloroethene, they have never been found above laboratory detection limits in well 4917A. 1,1-dichloroethene is a breakdown product of both TCE and TCA and the presence in 4917B is therefore not unusual.

- Concentrations of perchlorate, chromium VI, 1,2-DCA, and trihalomethanes have been detected in well 4917B, but never in 4917A while concentrations of N-NDMA, vinyl chloride, cis-1,2-DCE, and trans-1,2-DCE have been detected in well 4917A, but never in 4917B.

- Our investigation has found many companies in the site vicinity that used chlorinated solvents including, PCE, TCE and TCA. In several cases, companies had documented use of chlorinated solvents, but no documented evidence of legal disposal of any chemical waste. In 1986, drums and containers, some of which contained TCE from an aircraft parts manufacturer (Genex Aviron), had been dumped on Tujunga Avenue directly east of the subject site, north of Penrose Street.

- Chlorinated solvents hazardous waste has been generated at Penrose Landfill from 1999 to 2002. In 2001, the generation of chlorinated solvent waste peaked at 37.947 tons, or 75,894 pounds. The following year, 27.105 tons of chlorinated solvent waste were generated. PCE waste was generated from 1999 through 2001 and peaked at 1.499 tons (2,988 pounds) in 1999.

- In the fall of 2011 LE conducted colloidal borescope measurements on wells 4917A and 4917B with the objective to determine the approximate groundwater flow direction across the site. The result showed a groundwater flow direction across the site to the west-southwest. This result correlated well with the measurements of groundwater elevations in both wells (i.e. a higher elevation in the southernmost well 4917A).

- Since 1988, well 4918 on Penrose Landfill has been downgradient of well 4917A. The PCE concentrations detected in 4918 have been significantly higher than those detected in 4917A. Well 4918B, also located on Penrose Landfill about 1,000 feet south southeast of 4918, showed high TCE concentrations in 2007 ranging to 37.1 µg/L. These TCE concentrations were higher than the TCE concentrations detected in 4917A in 2007 by an approximate factor of 3.

- LE calculated TCE solute velocities and associated travel times (modeling advection and adsorption only) for four contaminant pathways in groundwater, as follows:

    - Tujunga-Penrose-San Fernando Triangle to well 4917A (after 1988) – 1 to 2.3 years

    - Well 4917A to well 4918 (after 1988) – 2.7 years

    - Subject site to well 4927 (before 1988) – 2.7 to 7 years

    - Well 4917A to Rinaldi-Tuluca Well Field (after 1988) – 13.4 years

- LE checked the above calculations using the BIOCHLOR program, which incorporates the effects of dispersion into travel time calculations. The model conservatively predicts TCE concentrations would take 10 to 12 years to reach the Rinaldi-Toluca Well Field along a plume centerline from well 4917A. This timeframe generally supports the results of the simpler advection/adsorption calculations shown above. Based on the results of the BIOCHLOR model, LE concludes the simpler advection/adsorption travel times presented above are reasonable estimates.

- In the above calculations, LE used a gradient of 0.0055 after 1988 based on the data obtained from the borescope survey, and 0.0026 before 1988 based on the April 1987 groundwater contour map (LCA, 1987).

- LE calculated the travel time (from the cesspools to groundwater) of TCE as DNAPL and as a solute in wastewater and determined that TCE as a DNAPL could reach the groundwater in days and as a solute in wastewater within a few months.

- Prior to 1988, the groundwater flow direction across the site was to the southeast. After 1988 the groundwater flow direction changed to the southwest and most recently, in October 2011, to the west-southwest. Before 1988, there were no groundwater monitoring wells installed on the site and the groundwater conditions beneath the site before 1988 are therefore unknown.

7. CONCLUSIONS

LE concludes that there is no evidence of any VOC releases, including TCE, at the subject site and that there is no evidence that the VOC contamination in 4917A (principally TCE) are related to the soil gas concentrations detected beneath the subject site as summarized below.

- Based on groundwater elevation data for the site vicinity before 1988, the groundwater flow direction across the subject site was generally to the southeast. Therefore, before 1988, well 4917B would have been upgradient of well 4917A, if they had existed at the time. However, the wells were installed and subsequently first sampled in 1988.

- Before 1988, based on a groundwater flow direction to the southeast, the elevated TCE concentrations detected in wells 4918 and 4918A at the Penrose Landfill could not have originated at the subject site, or any sites north, northeast or east of the subject site. Furthermore, the subject site, and the subsequent location of well 4917A, were upgradient of well 4927, but this well detected no TCE before 1988. Therefore, the analytical and groundwater data do not show evidence of any VOC release that caused groundwater contamination, including TCE, at the subject site.

- Before 1988, based on the groundwater flow direction to the southeast and the absence of TCE detections in well 4927 and 4928B, coupled with the TCE detections in 4928A, 4918A, and 4918, LE believes a TCE plume was passing west of the subject site and moving to the southeast. Since plumes disperse laterally as they move downgradient, and no TCE was detected in 4927, the source of this TCE plume is most likely located within relatively close proximity; south, or immediately north, of I-5 Golden State Freeway, and northwest of the subject site.

- Before 1988, there were no groundwater monitoring wells located southeast (downgradient) of the area within the Tujunga-Penrose-San Fernando Triangle, and any VOC releases from this area would have gone unnoticed.

- Based on groundwater elevation data for the site vicinity, in the second half of 1987 the groundwater elevations began to drop, and by the first groundwater event conducted in 1988 (April) the groundwater flow direction across the subject site had changed from southeast to southwest. This change resulted in the Penrose wells (4918, 4918A, and 4918B) becoming downgradient of 4917A and also downgradient of the Tujunga-Penrose-San Fernando Triangle. As a result of this change, well 4917A became crossgradient of 4917B.

- The presence of TCA and associated compounds 1,1-dichloroethane and 1,4 -dioxane at elevated concentrations in well 4917B since 2007 compared to the complete absence of the same compounds in well 4917A, suggest that well 4917B is not upgradient of well 4917A. As further evidence that 4917B is not upgradient of 4917A, a large number of chemicals have only been detected in either one of the wells, including perchlorate, chromium VI, 1,2-DCA, and trihalomethanes in well 4917B, and N-NDMA, vinyl chloride, cis-1,2-DCE, and trans-1,2-DCE in well 4917A.

- The presence of TCA and associated compounds at elevated concentrations in well 4917B since 2007, suggest a likely source is the Precision Die and Stamp facility which is located approximately 1,000 feet northeast (upgradient) of 4917B, but until 1982 was located only 300 feet upgradient of this well. Precision Die and Stamp has documented use of TCA and also PCE which may explain the historic PCE readings in this well. Based on the pre-1988 solute velocities, a plume of TCE originating from the subject site would reach downgradient wells 4927 in approximately 2.7 to 7 years and well 4928B in approximately 5.8 to 10.4 years.

Therefore, since the Tuxford Dump closed in 1960, and any TCE releases at the site would have had to occur before then, and would have migrated downgradient to well 4927, the absence of TCE detected in wells 4927 and 4928B shows no TCE release occurred at the site.

- Based on (1) the post-1988 estimated travel time (10 to 12 years conservatively using BIOCHLOR) of TCE in groundwater from the subject site to the Rinaldi-Toluca Well Field; (2) the change in flow direction that started before April 1988 and (3) the subsequent closure of 50 percent of the wells in this well field by the 1980s due to VOC contamination, the VOC contaminated detected in the wells could not have originated from the vicinity of the subject site, but must have been related to VOC releases in relatively close proximity to this well field.

- Based on the groundwater flow direction to the southwest across the subject site, and most recently to the west southwest, EPA's TCE plume maps which show TCE originating at the subject site and extending to the south and southeast appear to be incorrect.

- Based on (1) the groundwater flow direction to the southwest; (2) the use of chlorinated solvents in degreasing (especially TCE through the 1960s by metal manufacturing companies); (3) the extensive use of septic tanks and cesspools in the subject site vicinity until the early 1990s; (4) documented illegal discharges of chemicals through cesspools in San Fernando Valley; (5) deficient records of legal disposal by many companies as late as in the 1990s and (6) the absence of significant TCE concentrations in well 4927 before and after 1988, LE concludes that the likely source or sources of the elevated TCE concentrations in 4917A are from releases from septic systems within the Tujunga-Penrose-San Fernando Triangle.

- The VOC soil matrix data for the subject site provides no evidence of any VOC release, including TCE, at the subject site.

- The VOC soil gas data for the subject site provides no evidence of any VOC release, including TCE at the subject site, but the low concentrations detected are likely related to off-site migration from Penrose Landfill or adjacent properties.

- Based on (1) the elevated VOC soil gas concentrations detected at Penrose Landfill; (2) a PCE soil matrix concentration of 3,200 µg/kg detected in 1993; (3) large quantities of chlorinated solvents and PCE waste generated between 1999 and 2002 and (4) the increase in PCE concentration from 4917A (upgradient well) to 4918 (downgradient well), LE concludes that releases of PCE at Penrose Landfill's northern half have likely caused groundwater contamination.

8. REFERENCES

1. Brown, G., *Ground Water Geology of the San Fernando Valley*; in Oakeshott, Gordon B., (editor), San Fernando, California, Earthquake of 9 February 1971: California Division of Mines and Geology, Bulletin 196, pp. 31-52, 1975.

2. California State Water Rights Board (CSWRB), *Report of referee*, City of Los Angeles vs. City of San Fernando: In the Superior Court of the State of California in and for the County of Los Angeles, No. 650079, v. 1, 258 p., 1962.

3. California Public Records Request Act (CPRA) Correspondence, *Los Angeles Tujunga Well Field Extractions*, San Fernando Basin.

4. CH2MHILL, Technical Memorandum, *Basinwide Groundwater Monitoring Program Optimization Evaluation for the San Fernando Valley Superfund Sites, Los Angeles County, California,* February 25, 2011.

5. City of Los Angeles, *Final Environmental Impact Report, Bradley Landfill and Recycling Center Transition Master Plan,* December, 2005.

6. Cohen, R., Mercer, J., and J. Matthews, *DNAPL Site Evaluation*, 1993.

7. Domenico, P.A., 1987, *An Analytical Model for Multidimensional Transport of a Decaying Contaminant Species*, Journal of Hydrology, 91: 49-58.

8. ENVIRON, *Quarterly Groundwater Monitoring Report, Fourth Quarter 2011*, Former Bendix Facility 11600 Sherman Way, North Hollywood, California, January 13, 2012.

9. Environmental Data Resources Inc. (EDR), *Certified Sanborn® Map Report, Tuxford Property*, 11590 Tuxford Street, Sun Valley, CA 91352, Inquiry No. 2912314.3, November 3, 2010.

10. Environmental Data Resources Inc. (EDR), *EDR Historical Topographic Map Report*, Tuxford Property, 11590 Tuxford Street, Sun Valley, CA 91352, Inquiry No. 2912314.4, November 3, 2010.

11. Environmental Data Resources Inc. (EDR), *EDR-City Directory Abstract, CCH – Globe Aerospace*, Penrose Street, Sun Valley, CA 91352, Inquiry No. 3251502.1, February 2, 2012.

12. Environmental Data Resources Inc. (EDR), *The EDR Radium Map Report™ with GeoCheck®, Tuxford Property*, 11590 Tuxford Street, Sun Valley, CA 91352, Inquiry No. 2912314.2s, November 3, 2010.

13. Environmental Data Resources Inc. (EDR), *The EDR-City Directory Abstract, Tuxford Property*, 11590 Tuxford Street, Sun Valley, CA 91352, Inquiry No. 2912314.4, November 3, 2010.

14. Environmental Data Resources Inc. (EDR), *The EDR-City Directory Abstract, Tuxford Property*, 11590 Tuxford Street, Sun Valley, CA 91352, Inquiry No. 2912314.6, November 3, 2010.

15. Heath, R.C., *Basic Ground-Water Hydrology*, United States Geological Survey, WaterSupply Paper, No. 2220, 1987.

16. James M. Montgomery, Inc., *Remedial Investigation of Groundwater Contamination in the San Fernando Valley,* December, 1992.

17. Kearl, P.M, "Observations of Particle Movement in a Monitoring Well Using the Colloidal Borescope," *Journal of Hydrogeology,* 200, pp. 323-344, 1997.

18. Law Environmental, *Second SWAT Supplemental Monitoring Report, Tuxford Landfill*, Sun Valley District, Los Angeles, California, December 17, 1990.

19. Law Environmental, Solid Waste Assessment Test (SWAT) Supplemental Monitoring Report, Tuxford Landfill (Closed), Sun Valley District, Los Angeles, California, July 1, 1989.

20. Law/Crandall, Inc.), *Solid Waste Assessment Test (SWAT) Water, Tuxford Landfill*, Sun Valley District, Los Angles, California, June 29, 1988.

21. LeRoy Crandall and Associates (LCA), *Proposed Ground Water Monitoring Network, Penrose, Newberry and Tuxford Landfills, Near Proposed Strathern Landfill*, Sun Valley District, Los Angeles, California, correspondence with the California Regional Water Quality Control Board, August, 1984.

22. LeRoy Crandall and Associates (LCA), *Proposed Solid Waste Assessment Test Monitoring Program (SWAT), Tuxford Landfill, Penrose Street at Tujunga Avenue, Sun Valley, Los Angeles, California,* August, 19, 1987.

23. Lindmark Engineering (LE), *Initial Hydrogeologic Assessment Report*, Los Angeles Unified School District Sun Valley Bus Garage, 11247 Sherman Way, Sun Valley, California, February 27, 1995.

24. LE, *Quarterly Groundwater Monitoring Report*, *First Quarter 1995,* Sun Valley Bus Garage, 11247 Sherman Way, Sun Valley, California, April 6, 1995.

25. LE, *Quarterly Groundwater Monitoring Report*, *Second Quarter 1995*, Sun Valley Bus Garage, 11247 Sherman Way, Sun Valley, California, April 25, 1995.

26. LE, *Quarterly Groundwater Monitoring Report*, *Third Quarter 1995*, Sun Valley Bus Garage, 11247 Sherman Way, Sun Valley, California, 1995.

27. LE, *Quarterly Groundwater Monitoring Report*, *Second Quarter 1996*, Sun Valley Bus Garage, 11247 Sherman Way, Sun Valley, California, 1996.

28. Los Angeles and San Gabriel Rivers Watershed Council (LASGRWC), *Los Angeles Basin Water Augmentation Study, Phase II Monitoring Report Update,* August, 2008.

29. Seelye, E.E., *Data Book for Civil Engineers,* vol. 2.- Specifications and costs, New York, London - Wiley ; Chapman & Hall, 1957.

30. SCS Engineers, *Groundwater Monitoring Report, Summer/Fall 2005 Monitoring Period Ending September 30, 2005*, Bradley Landfill and Recycling Center, Sun Valley, California, October, 2005.

31. SCS Engineers, *Groundwater Monitoring Report, Winter 2009-Spring 2010 Monitoring Period Ending March 31, 2010 and Annual Reporting Requirements, Bradley Landfill and Recycling Center, Sun Valley, California,* April, 2010.

32. Targee, Inc., *Fourth Quarter 2006 Groundwater Monitoring Report*, Los Angeles By-Products Company, Penrose, Newberry & Strathern Landfills, 8230 Tujunga Avenue, Sun Valley, CA 91352, October 2, 2007.

33. Targee, Inc., *Groundwater Monitoring Report*, Los Angeles By-Products Company, Penrose, Newberry & Strathern Landfills, 8230 Tujunga Avenue, Sun Valley, CA 91352, July, 2007.

34. Targee, Inc., *Second Quarter 2007 Groundwater Monitoring Report*, Los Angeles By-Products Company, Penrose, Newberry & Strathern Landfills, 8230 Tujunga Avenue, Sun Valley, CA 91352, October 25, 2007.

35. Targee, Inc., *Third Quarter 2007 Groundwater Monitoring Report*, Los Angeles By-Products Company, Penrose, Newberry & Strathern Landfills, 8230 Tujunga Avenue, Sun Valley, CA 91352, October 21, 2007.

36. UNKNOWN AUTHOR, *Draft Statement of Work for Remedial Design/Remedial Action, North Hollywood Operable Unit, San Fernando Valley (Area 1) Superfund Site, Los Angeles County, California,* June, 2010.

37. Upper Los Angeles River Area (ULARA), *Watermaster Service In The Upper Los Angeles River Area, Los Angeles County, October 1, 1987 – September 30, 1989*, City of Los Angeles vs. City of San Fernando, Et. Al, Case No. 650079 – County of Los Angeles, May, 1989.

38. USEPA, 2000 *BIOCHLOR Natural Attenuation Decision Support System*, Office of Research and Development, Washington DC, January, 2000.

39. USEPA, *2003 Report San Fernando Valley Superfund Sites Groundwater Monitoring Program*, San Fernando Valley, Los Angeles County, California, prepared by CH2MHILL, July, 2004.

40. USEPA, *2004 Report San Fernando Valley Superfund Sites Groundwater Monitoring Program*, San Fernando Valley, Los Angeles County, California, prepared by CH2MHILL, July, 2005.

41. USEPA, *2005 Report San Fernando Valley Superfund Sites Groundwater Monitoring Program*, San Fernando Valley, Los Angeles County, California, prepared by CH2MHILL, January, 2006.

42. USEPA, *2006 Report San Fernando Valley Superfund Sites Groundwater Monitoring Program*, San Fernando Valley, Los Angeles County, California, prepared by CH2MHILL, December, 2007.

43. USEPA, *2007 Report San Fernando Valley Superfund Sites Groundwater Monitoring Program*, San Fernando Valley, Los Angeles County, California, prepared by CH2MHILL, July, 2009.

44. USEPA, *Estimating Potential for Occurrence of DNAPL at Superfund Sites, Publ. No. 9355.4-07FS*, 1992

45. USEPA, *Evaluation of the Likelihood of DNAPL Presence at NPL Site, EPA/540/R-93/073*, 1993

46. USEPA, *Focused Feasibility Study, North Hollywood Operable Unit, San Fernando Valley Area 1 Superfund Site*, Los Angeles County, California, July, 2009.

47. USEPA, *Five-Year Review Report North Hollywood Operable Unit Facility, San Fernando Valley (Area 1), Los Angeles County, California,* prepared by CH2M Hill, July, 1998.

48. USEPA, *Interim Action Record of Decision for the North Hollywood Operable Unit, San Fernando Valley (Area 1) Superfund Site, Los Angeles County, California,* September 30, 2009.

49. Xu, M. and Y. Eckstein, 1995, Use of Weighted Least-Squares Method in Evaluation of the Relationship Between Dispersivity and Scale, J. Ground Water, 33(6): 905-908.

TABLES

Tables 1 through 7

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
4916C (Screened 300-500)			
6/19/1985	878		
7/17/1985	878		
8/14/1985	878		
9/19/1985	878	312.87	565.13
1/16/1986	878	321.21	556.79
1/9/1987			
4/9/1987			
5/29/1987			
8/26/1987			
11/20/1987			
3/2/1988			
5/10/1988		340.00	538
8/9/1988		344.00	534
11/2/1988		349.88	528.12
2/23/1989		354.28	523.72
6/7/1989		363.56	514.44
9/8/1989		371.15	506.85
11/17/1989		378.83	499.17
2/19/1990		377.38	500.62
5/16/1990		372.52	505.48
8/10/2001	877.49	384.57	492.92
9/21/2001	877.49	387.23	490.26
10/19/2001	877.49	390.30	487.19
11/16/2001	877.49	392.60	484.89
12/3/2001	877.49	392.65	484.84
1/18/2002	877.49	391 .50	485.99
2/15/2002		391.35	486.14
3/22/2002		389.83	487.66
4/17/2002		388.90	488.59
5/17/2002		388.03	489.46
6/21/2002		388.20	489.29
7/18/2002		389.37	488.12
8/2/2002		390.45	487.04
9/5/2002		394.25	483.24
10/11/2002		399.00	478.49
11/14/2002		402.29	475.20
12/12/2002		404.34	473.15

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
1/9/2003		406.00	471.49
2/7/2003		408.53	468.96
3/13/2003		407.35	470.14
4/15/2003		403.90	473.59
5/15/2003		400.97	476.52
6/19/2003		398.20	479.29
7/17/2003		397.97	479.52
8/14/2003		398.94	478.55
9/18/2003		401.55	475.94
10/23/2003		404.23	473.26
11/13/2003		405.06	472.43
12/18/2003		407.05	470.44
1/15/2004		407.87	469.62
2/12/2004		409.11	468.38
3/25/2004		409.80	467. 69
4/22/2004		408.37	469.12
5/27/2004		405.10	472.39
6/29/2004		402.50	474.99
7/22/2004		402.00	475.49
8/26/2004		403.10	474.39
9/30/2004		405.21	472.28
10/28/2004		407.40	470.09
11/18/2004		407.95	469.54
12/17/2004		406.41	471.08
1/11/2005		404.00	473.49
2/23/2005		397.14	480.35
3/3/2005		396.75	480.74
4/20/2005		383.66	498.83
5/18/2005		377.11	500.38
6/8/2005		373.04	504.45
7/8/2005		370.28	507.21
8/19/2005		370.60	506.89
9/23/2005		370.90	506.59
10/20/2005		371 .07	506.42
11/15/2005		370.72	506.77
12/14/2005		370.00	507.49
1/20/2006		368.89	508.60
2/7/2006		370.21	507.28

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
3/24/2006		367.15	510.34
4/21/2006		365.59	511.90
5/18/2006		362.00	515.49
6/30/2006		357.58	519.91
7/21/2006		356.80	520.69
8/11/2006		357.11	520.38
9/28/2006		359.91	517.58
10/24/2006		362.02	515.47
11/17/2006		364.05	513.44
12/5/2006		365.25	512.24
1/3/2007		366.83	510.66
2/21/2007		369.33	508.16
8/29/2007		371.50	505.99
4/27/2007		372.82	504.67
5/25/2007		374.32	503.17
6/15/2007		375.50	501.99
7/13/2007		377.11	500.38
8/7/2007		378.48	499.01
9/20/2007		382.34	495.15
10/23/2007		382.91	494.58
11/19/2007		383.35	494.14
12/14/2007		383.70	498.79
1/22/2008		384.37	493.12
2/11/2008		384.38	493.11
3/17/2008		383.31	494.18
4/14/2008		384.37	493.12
5/13/2008		379.25	498.24
6/9/2008		380.36	497.13
7/14/2008		377.47	500.02
8/11/2008		377.88	499.81
9/11/2008		378.60	498.89
10/15/2008		379.71	497.78
11/17/2008		380.31	497.18
12/17/2008		380.05	497.44
1/21/2009		380.38	497.13
2/9/2009		380.75	496.74
3/19/2009		379.67	497.82
4/15/2009		379.31	498.18

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
5/19/2009		378.76	498.73
6/25/2009		383.60	493.89
7/20/2009		380.02	497.47
8/10/2009		381.09	496.40
9/21/2009		382.82	494.67
10/22/2009		382.94	494.55
11/16/2009		382.98	494.51
12/14/2009		387.03	490.46
1/21/2010		384.50	492.99
2/22/2010		385.31	492.18
3/22/2010		383.11	494.38
4917A (Screened: 160-358)			
4/29/1988	832.80	307.23	525.57
7/29/1988	832.80	307.56	525.24
11/8/1988	832.80	314.71	518.09
2/7/1989	832.80	320.52	512.28
12/12/1989	832.80	339	493.80
5/16/1990	832.80	331.14	501.66
8/21/1990	832.80	341.1	491.70
10/2/1990	832.80	345.55	487.25
11/1/2006	832.80	326.75	506.05
12/17/2010	832.01	335.53	496.48
4/1/2011	832.01	332.78	499.23
10/19/2011	832.01	319.02	512.99
4/6/2012	832.01	315.21	516.80
4917B (Screened: 160-375)			
4/29/1988	848.69	318.1	530.59
7/29/1988	848.69	320.42	528.27
11/8/1988	848.69	328.27	520.42
2/7/1989	848.69	334.21	514.48

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
11/1/2006	848.69	341.50	507.19
12/17/2010	848.56	350.66	497.90
4/1/2011	848.56	346.62	501.94
10/19/2011	848.56	337.9	510.66
4/6/2012	848.56	329.82	518.74
4918A (Screened: 230-240, 300-320, 390-400, and 480-490)			
12/31/1984	804.77		
6/19/1985	805.4	257.1	548.30
6/19/1985	804.77	256.77	548
7/17/1985		259	545.77
7/18/1985	805.4	257.4	548.00
8/14/1985	804.77	259.35	545.42
8/15/1985	805.4	259.9	545.50
9/19/1985		262.42	542.35
9/19/1985	805.4	259.9	545.50
10/16/1985	805.4	263.9	541.50
11/27/1985	805.4	266.3	539.10
12/19/1985	805.4	266.9	538.50
1/16/1986		268.1	536.67
1/22/1986	805.4	264.4	541.00
2/26/1986	805.4	266.7	538.70
3/28/1986	805.4	267	538.40
4/17/1986	805.4	266.1	539.30
4/29/1986		264.79	539.98
5/14/1986	805.4	263.9	541.50
6/19/1986	805.4	263.6	541.80
7/22/1986		263.52	541.25
10/15/1986		265.67	539.1
1/14/1987		266.97	537.8
4/15/1987		268.92	535.85
7/24/1987		273.54	531.23
9/9/1987	805.4	276.9	528.50
10/29/1987		280.47	524.3
11/19/1987	805.4	282.1	523.30

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
12/17/1987	805.4	283.8	521.60
1/8/1988	805.4	283.7	521.70
2/11/1988	805.4	284.8	520.60
3/17/1988	805.4	283.9	521.50
4/29/1988	805.21	288.73	516.48
7/28/1988		287.4	517.81
11/8/1988		295.16	510.05
2/7/1989		300.33	504.88
5/30/1990	805.4	308.4	497.00
7/24/1990	805.4	317.4	488.00
8/23/1990	805.4	321.9	483.50
9/20/1990	805.4	324.6	480.80
10/4/1990	805.4	312.5	492.90
11/11/1990	805.4	323	482.40
12/13/1990	805.4	320.2	485.20
1/16/1991	805.4	317.4	488.00
2/6/1991	805.4	318.6	486.80
2/19/1992	805.4	324	481.40
6/11/1992	805.4	325	480.40
7/16/1992	805.4	170.7	634.70
8/6/1992	805.4	180.1	625.30
9/10/1992	805.4	183	622.40
10/8/1992	805.4	185.8	619.60
11/19/1992	805.4	189.8	615.60
12/10/1992	805.4	191.7	613.70
5/20/2006	805.4	305.7	499.70
9/13/2006	805.4	314.4	491.00
12/4/2008	805.4	313.7	491.70
9/18/2009	805.4	270.9	534.50
12/3/2009	805.4	271	534.40
12/3/2009	805.4	271	534.40
1/5/2010	805.4	270.5	534.90
4918B			
4/29/1988	810.38	290.65	519.73
7/28/1988		290.73	519.65
11/8/1988		299.5	510.88
2/7/1989		304.73	505.65

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
12/14/1989		323.5	486.88
5/16/1990		312	498.38
8/21/1990		325.4	484.98
10/2/1990		330	480.38
1/25/2007	810.38	312.24	498.14
3/21/2007	810.38	305.16	505.22
6/4/2007	809.91	297.83	512.08
9/18/2007	809.91	319.18	490.73
4918 (Screened: 164-365)			
6/19/1985	827.13	272.45	554.68
7/17/1985		273.46	553.67
8/14/1985		275	552.13
9/19/1985		277.48	549.65
1/16/1986		283.81	543.32
4/29/1986		281.83	545.3
7/22/1986		279.71	547.42
10/15/1986	827.1	282.2	544.9
1/14/1987		284.4	542.7
4/15/1987		286	541.1
7/24/1987		290.42	536.68
10/21/1987		296.5	530.6
4/29/1988	826.1	303.45	522.65
7/28/1988		303.65	522.45
11/8/1988		312.19	513.91
2/7/1989		317.66	508.44
5/11/1990			
8/21/1990		338.9	487.2
10/2/1990		343.58	482.52
12/9/2005	727.00	272.6	454.40
1/21/2006	727.00	330.6	396.40
1/25/2007	822.94*	322.23	500.71
3/21/2007	822.94*	315.25	507.69
6/4/2007	822.07	307.96	514.11
9/18/2007	822.07	329.07	493.00
4926B (Screened: 180-320)			

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
No data			
4927 (Screened: 174-375)			
10/17/1984	827.58		
6/19/1985	827.58	272.67	554.91
7/17/1985		273.69	553.89
8/14/1985		275.12	552.46
9/19/1985		277.62	549.96
1/16/1986		284.01	543.57
4/29/1986		282.65	544.93
7/22/1986		280.1	547.48
10/15/1986	827.6	282.6	545
1/14/1987		284.8	542.8
4/15/1987		286.5	541.1
7/24/1987		290.67	536.93
10/21/1987		296.73	530.87
4/29/1988	827.06	301.35	525.71
7/28/1988		303.78	523.28
11/8/1988		311.35	515.71
2/7/1989		316.71	510.35
12/14/1989		335	492.06
1/25/2007	827.58	325.33	502.25
3/21/2007	827.58	317.4	510.18
6/4/2007	827.15	310.75	516.4
9/18/2007	827.15	332.38	494.77
4928A (Screened: 225-433)			
5/3/1984	803.78	803.78	
12/31/1984	803.78	803.78	
6/19/1985	803.78	254.56	549.22
7/17/1985	803.78	255.83	547.95
8/14/1985	803.78	257.37	546.41
9/19/1985	803.78	259.85	543.93
1/16/1986	803.78	267.27	536.51
4/29/1986	603.78	63.94	539.84
7/22/1986	803.78	262.11	541.67
10/15/1986	803.76	263.86	539.90
1/14/1987	803.78	265.28	538.50

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
4/15/1987	803.78	266.92	536.86
7/24/1987	803.78	271.17	532.61
10/21/1987	803.78	277.38	526.40
4/29/1988	803.78	285.20	518.58
7/28/1988	803.78	284.96	518.82
11/8/1988	803.78	291.97	511.81
2/7/1989	803.78	296.58	507.20
4/2/1993	803.78	314.36	489.42
6/22/1993	803.76	303.17	500.59
8/24/1993	803.76	294.68	509.08
11/19/1993	803.76	288.61	515.15
2/21/1994	603.78	84.00	519.78
8/5/1994	803.78	277.14	526.64
2/20/1995	603.78	93.29	510.49
8/24/1995	803.76	279.54	524.22
2/23/1996	803.78	279.04	524.74
8/23/1996	803.78	280.37	523.41
9/11/1996	803.78	NM	NM
10/31/1996	803.78	287.31	516.47
2/14/1997	803.78	291.97	511.81
8/26/1997	803.78	298.88	504.90
3/12/1998	803.78	311.55	492.23
9/21/1998	803.78	296.77	507.01
3/30/1999	803.78	296.19	507.59
8/25/1999	803.78	310.55	493.23
3/10/2000	803.78	327.62	476.16
10/9/2000	803.78	322.15	481.63
3/29/2001	803.78	319.38	484.40
9/25/2001	803.78	318.38	485.40
6/5/2002	803.78	318.52	485.26
11/27/2002	803.78	329.20	474.58
5/30/2003	803.78	330.11	473.67
12/10/2003	803.78	353.81	449.97
1/8/2004	803.78	326.00	477.78
6/8/2004	803.78	353.43	450.35
12/17/2004	803.78	353.20	450.58
6/9/2005	803.78	315.58	488.20
12/15/2005	803.78	304.10	499.68

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
6/20/2006	803.78	301.57	502.21
8/8/2006	803.78	300.39	503.39
12/20/2006	803.78	303.51	500.27
3/21/2007	803.78	297.95	505.83
6/4/2007	803.47	289.56	513.91
9/18/2007	803.47	310.15	493.32
4928B (Screened: 161-362)			
10/23/1984	823.09		
6/19/1985	823.09	270.36	552.73
7/17/1985	823.09	271.38	551.71
8/14/1985	823.09	272.80	550.29
9/19/1985	823.09	275.22	547.87
1/16/1986	823.09	281.27	541.82
4/29/1986	823.09	280.23	542.86
7/22/1986	823.09	277.95	545.14
10/15/1986	623.09	79.99	543.10
1/14/1987	823.09	281.77	541.32
4/15/1987	823.09	283.46	539.63
7/24/1987	823.09	287.61	535.48
10/21/1987	823.09	293.69	529.40
4/29/1988	823.09	299.72	523.37
7/28/1988	823.09	301.32	521.77
11/8/1988	623.09	107.62	515.47
2/7/1989	823.09	312.09	511.00
4/2/1993	823.09	324.27	498.82
6/22/1993	823.09	320.63	502.46
8/24/1993	823.09	311.30	511.79
11/19/1993	823.09	305.59	517.50
2/21/1994	823.09	301.00	522.09
8/5/1994	823.09	294.16	528.93
2/20/1995	823.09	311.58	511.51
8/24/1995	823.09	295.64	527.45
2/23/1996	823.09	296.49	526.60
8/23/1996	823.09	297.48	525.61
9/11/1996	823.09	NM	NM
2/14/1997	823.09	310.14	512.95

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
8/26/1997	823.09	317.96	505.13
3/12/1998	823.09	330.59	492.50
9/21/1998	823.09	313.89	509.20
3/30/1999	823.09	313.75	509.34
8/25/1999	823.09	328.24	494.85
3/10/2000	823.09	DRY	DRY
10/9/2000	823.09	DRY	DRY
3/29/2001	823.09	DRY	DRY
9/25/2001	823.09	DRY	DRY
6/5/2002	823.09	DRY	DRY
11/27/2002	823.09	DRY	DRY
5/30/2003	823.09	DRY	DRY
12/10/2003	823.09	DRY	DRY
6/8/2004	823.09	DRY	DRY
12/17/2004	823.09	DRY	DRY
6/9/2005	823.09	DRY	DRY
12/15/2005	823.09	DRY	DRY
8/8/2006	823.09	DRY	DRY
12/20/2006	823.09	DRY	DRY
3/21/2007			
6/4/2007		DRY	DRY
9/18/2007		DRY	DRY
4928C (Screened: 160-375)			
3/29/1988	823.37	299.15	524.22
7/28/1988	823.37	299.10	524.27
11/8/1988	823.37	306.54	516.83
2/7/1989	823.37	311.83	511.54
2/20/1995	823.37	311.07	512.30
8/24/1995	823.37	296.65	526.72
2/23/1996	823.37	294.39	528.98
8/23/1996	823.37	296.58	526.79
2/14/1997	823.37	309.10	514.27
8/26/1997	823.37	315.89	507.48
3/12/1998	823.37	329.80	493.57
9/21/1998	823.37	313.21	510.16
3/30/1999	823.37	313.15	510.22
8/25/1999	823.37	328.80	494.57
3/10/2000	823.37	346.45	476.92

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
10/9/2000	823.37	340.19	483.18
3/29/2001	823.37	337.26	486.11
9/25/2001	823.37	336.75	486.62
6/19/2002	823.37	336.24	487.13
11/27/2002	823.37	347.85	475.52
5/30/2003	823.37	348.10	475.27
12/10/2003	823.37	335.72	487.65
1/8/2004	823.37	343.67	479.70
6/8/2004	823.37	335.59	487.78
6/24/2004	823.37	335.59	487.78
12/17/2004	823.37	336.80	486.57
6/9/2005	823.37	329.75	493.62
12/15/2005	823.37	318.50	504.87
6/20/2006	823.37	317.37	506.00
8/9/2006	823.37	315.95	507.42
12/20/2006	823.37	310.70	512.67
3/21/2007	823.37	312.32	511.05
6/4/2007	821.46	305.69	515.77
9/18/2007	821.46	327.41	494.05
NH-VPB-07 (Screened: 270.58-290.88)			
7/31/1989	755.82	266.42	489.40
4/30/1990	755.82	281.58	474.24
4/30/1990	755.82	261.12	494.70
6/11/1990	755.82	268.30	487.52
6/11/1990	755.82	267.82	488.00
7/16/1990	755.82	273.90	481.92
7/16/1990	755.82	273.42	482.40
8/7/1990	755.82	275.92	479.90
8/7/1990	755.82	275.42	480.40
9/10/1990	755.82	280.96	474.86
9/10/1990	755.82	279.62	476.20
9/11/1990	755.82	279.12	476.70
10/10/1990	755.82	279.75	476.07
11/16/1990	755.82	275.75	480.07
12/17/1990	755.82	272.30	483.52
1/14/1991	755.82	269.60	486.22
2/4/1991	755.82	268.42	487.40

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
2/15/1991	755.82	269.60	486.22
3/14/1991	755.82	271.30	484.52
4/18/1991	755.82	270.00	485.82
5/15/1991	755.82	272.20	483.62
6/12/1991	755.82	274.80	481.02
7/12/1991	755.82	277.00	478.82
8/13/1991	755.82	276.00	479.82
9/10/1991	755.82	281.00	474.82
10/7/1991	755.82	281.50	474.32
11/12/1991	755.82	282.00	473.82
12/3/1991	755.82	281.50	474.32
1/22/1992	755.82	277.30	478.52
2/18/1992	755.82	275.60	480.22
3/10/1992	755.82	276.50	479.32
4/27/1992	755.82	278.30	477.52
5/31/1992	755.82	278.80	477.02
6/18/1992	755.82	279.00	476.82
7/22/1992	755.82	279.60	476.22
8/31/1992	755.82	282.00	473.82
9/22/1992	755.82	282.22	473.60
10/21/1992	755.82	286.12	469.70
11/18/1992	755.82	285.72	470.10
12/21/1992	755.82	283.42	472.40
1/20/1993	755.82	279.62	476.20
2/23/1993	755.82	275.52	480.30
3/23/1993	755.82	274.42	481.40
4/21/1993	755.82	269.42	486.40
5/20/1993	755.82	266.12	489.70
6/22/1993	755.82	263.52	492.30
7/19/1993	755.82	259.92	495.90
8/20/1993	755.82	256.32	499.50
9/20/1993	755.82	254.02	501.80
10/27/1993	755.82	251.42	504.40
11/22/1993	755.82	248.72	507.10
12/16/1993	755.82	146.92	608.90
4/20/1994	755.82	242.22	513.60
5/25/1994	755.82	240.12	515.70
6/21/1994	755.82	238.22	517.60

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
7/18/1994	755.82	237.52	518.30
8/22/1994	755.82	241.42	514.40
9/28/1994	755.82	247.22	508.60
10/28/1994	755.82	253.52	502.30
11/29/1994	755.82	254.42	501.40
12/15/1994	755.82	253.62	502.20
1/20/1995	755.82	251.42	504.40
2/21/1995	755.82	252.42	503.40
3/27/1995	755.82	254.02	501.80
4/26/1995	755.82	252.92	502.90
5/24/1995	755.82	249.32	506.50
6/19/1995	755.82	246.32	509.50
7/19/1995	755.82	244.42	511.40
8/18/1995	755.82	243.02	512.80
9/26/1995	755.82	242.22	513.60
10/25/1995	755.82	239.52	516.30
11/29/1995	755.82	237.32	518.50
12/30/1995	755.82	755.82	
2/22/1996	755.82	238.82	517.00
3/21/1996	755.82	236.82	519.00
7/24/1996	755.82	239.32	516.50
9/17/1996	755.82	244.62	511.20
12/5/1996	755.82	250.92	504.90
9/10/1997	755.82	258.02	497.80
10/13/1997	755.82	264.76	491.06
10/14/1997	755.82	264.86	490.96
10/15/1997	755.82	264.96	490.86
10/16/1997	755.82	264.96	490.86
10/17/1997	755.82	265.26	490.56
10/18/1997	755.82	265.26	490.56
10/19/1997	755.82	265.26	490.56
10/20/1997	755.82	265.26	490.56
10/21/1997	755.82	265.45	490.37
10/22/1997	755.82	265.45	490.37
10/23/1997	755.82	265.65	490.17
10/24/1997	755.82	265.75	490.07
10/25/1997	755.82	265.85	489.97
10/26/1997	755.82	265.75	490.07

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
10/27/1997	755.82	265.94	489.88
10/28/1997	755.82	265.94	489.88
10/29/1997	755.82	265.94	489.88
10/30/1997	755.82	266.14	489.68
10/31/1997	755.82	266.24	489.58
11/1/1997	755.82	266.24	489.58
11/2/1997	755.82	266.44	489.38
11/3/1997	755.82	266.44	489.38
11/4/1997	755.82	266.44	489.38
11/5/1997	755.82	266.73	489.09
11/6/1997	755.82	266.73	489.09
11/7/1997	755.82	266.73	489.09
11/8/1997	755.82	266.93	488.89
11/9/1997	755.82	266.93	488.89
11/10/1997	755.82	267.12	488.70
11/11/1997	755.82	267.42	488.40
11/12/1997	755.82	267.42	488.40
11/13/1997	755.82	267.42	488.40
11/14/1997	755.82	267.42	488.40
11/15/1997	755.82	267.32	488.50
11/16/1997	755.82	267.12	488.70
11/17/1997	755.82	267.12	488.70
11/18/1997	755.82	267.12	488.70
11/19/1997	755.82	267.32	488.50
11/20/1997	755.82	267.42	488.40
11/21/1997	755.82	267.62	488.20
11/22/1997	755.82	267.62	488.20
11/23/1997	755.82	267.62	488.20
11/24/1997	755.82	267.62	488.20
11/25/1997	755.82	267.62	488.20
11/26/1997	755.82	267.91	487.91
11/27/1997	755.82	268.11	487.71
11/28/1997	755.82	267.91	487.91
11/29/1997	755.82	267.91	487.91
11/30/1997	755.82	268.11	487.71
12/1/1997	755.82	268.40	487.42
12/2/1997	755.82	268.40	487.42
12/3/1997	755.82	268.21	487.61

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
12/4/1997	755.82	268.11	487.71
12/4/1997	755.82	249.54	506.28
3/10/1998	755.82	268.30	487.52
4/8/1998	755.82	270.57	485.25
4/9/1998	755.82	270.57	485.25
4/10/1998	755.82	270.47	485.35
4/11/1998	755.82	270.57	485.25
4/12/1998	755.82	270.57	485.25
4/13/1998	755.82	270.27	485.55
4/14/1998	755.82	270.08	485.74
4/15/1998	755.82	270.08	485.74
4/16/1998	755.82	270.08	485.74
4/17/1998	755.82	269.78	486.04
4/18/1998	755.82	269.78	486.04
4/19/1998	755.82	269.68	486.14
4/20/1998	755.82	269.58	486.24
4/21/1998	755.82	269.58	486.24
4/22/1998	755.82	269.58	486.24
4/23/1998	755.82	269.58	486.24
4/24/1998	755.82	269.29	486.53
4/25/1998	755.82	269.29	486.53
4/26/1998	755.82	269.29	486.53
4/27/1998	755.82	269.19	486.63
4/28/1998	755.82	269.19	486.63
4/29/1998	755.82	269.09	486.73
4/30/1998	755.82	269.09	486.73
5/1/1998	755.82	268.99	486.83
5/2/1998	755.82	268.90	486.92
5/3/1998	755.82	268.90	486.92
5/4/1998	755.82	268.60	487.22
5/5/1998	755.82	268.60	487.22
5/6/1998	755.82	268.60	487.22
5/7/1998	755.82	268.40	487.42
5/8/1998	755.82	268.40	487.42
5/9/1998	755.82	268.11	487.71
5/10/1998	755.82	268.11	487.71
5/11/1998	755.82	267.91	487.91
5/12/1998	755.82	267.91	487.91

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
5/13/1998	755.82	267.91	487.91
5/14/1998	755.82	267.62	488.20
5/15/1998	755.82	267.42	488.40
5/16/1998	755.82	267.42	488.40
5/17/1998	755.82	267.32	488.50
5/18/1998	755.82	267.12	488.70
5/19/1998	755.82	267.12	488.70
5/20/1998	755.82	267.03	488.79
5/21/1998	755.82	266.93	488.89
5/22/1998	755.82	266.73	489.09
5/23/1998	755.82	266.73	489.09
5/24/1998	755.82	266.73	489.09
5/25/1998	755.82	266.44	489.38
5/26/1998	755.82	266.44	489.38
5/27/1998	755.82	266.24	489.58
5/28/1998	755.82	266.04	489.78
5/29/1998	755.82	265.94	489.88
5/30/1998	755.82	265.94	489.88
5/31/1998	755.82	265.75	490.07
6/1/1998	755.82	265.75	490.07
6/2/1998	755.82	265.45	490.37
6/3/1998	755.82	265.45	490.37
6/4/1998	755.82	265.45	490.37
6/5/1998	755.82	265.35	490.47
6/6/1998	755.82	265.26	490.56
6/7/1998	755.82	265.26	490.56
6/8/1998	755.82	264.96	490.86
6/9/1998	755.82	264.96	490.86
6/9/1998	755.82	260.52	495.30
6/10/1998	755.82	264.96	490.86
6/11/1998	755.82	264.96	490.86
6/12/1998	755.82	264.76	491.06
6/13/1998	755.82	264.57	491.25
6/14/1998	755.82	264.57	491.25
6/15/1998	755.82	264.47	491.35
6/16/1998	755.82	264.57	491.25
6/17/1998	755.82	264.57	491.25
6/18/1998	755.82	264.27	491.55

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
6/19/1998	755.82	264.27	491.55
6/20/1998	755.82	264.07	491.75
6/21/1998	755.82	264.07	491.75
6/22/1998	755.82	263.98	491.84
6/23/1998	755.82	263.78	492.04
6/24/1998	755.82	263.78	492.04
6/25/1998	755.82	263.78	492.04
6/26/1998	755.82	263.58	492.24
6/27/1998	755.82	263.58	492.24
6/28/1998	755.82	263.48	492.34
6/29/1998	755.82	263.29	492.53
6/30/1998	755.82	263.29	492.53
7/1/1998	755.82	263.29	492.53
7/2/1998	755.82	263.09	492.73
7/3/1998	755.82	263.09	492.73
7/4/1998	755.82	262.99	492.83
7/5/1998	755.82	262.89	492.93
7/6/1998	755.82	262.60	493.22
7/7/1998	755.82	262.89	492.93
7/8/1998	755.82	262.89	492.93
7/9/1998	755.82	262.89	492.93
7/10/1998	755.82	262.89	492.93
7/11/1998	755.82	262.89	492.93
7/12/1998	755.82	262.89	492.93
7/13/1998	755.82	262.89	492.93
7/14/1998	755.82	262.89	492.93
7/15/1998	755.82	262.89	492.93
7/16/1998	755.82	262.89	492.93
7/17/1998	755.82	262.89	492.93
7/18/1998	755.82	262.89	492.93
7/19/1998	755.82	262.89	492.93
7/20/1998	755.82	262.60	493.22
7/21/1998	755.82	262.60	493.22
7/22/1998	755.82	262.60	493.22
7/23/1998	755.82	262.60	493.22
7/24/1998	755.82	262.60	493.22
7/25/1998	755.82	262.60	493.22
7/26/1998	755.82	262.60	493.22

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
7/27/1998	755.82	262.60	493.22
7/28/1998	755.82	262.60	493.22
7/29/1998	755.82	262.60	493.22
7/30/1998	755.82	262.60	493.22
7/31/1998	755.82	262.60	493.22
8/1/1998	755.82	262.60	493.22
8/2/1998	755.82	262.50	493.32
8/3/1998	755.82	262.60	493.22
8/4/1998	755.82	262.60	493.22
8/5/1998	755.82	262.60	493.22
8/6/1998	755.82	262.60	493.22
8/7/1998	755.82	262.60	493.22
8/8/1998	755.82	262.60	493.22
8/9/1998	755.82	262.60	493.22
8/10/1998	755.82	262.60	493.22
8/11/1998	755.82	262.60	493.22
8/12/1998	755.82	262.60	493.22
8/13/1998	755.82	262.60	493.22
8/14/1998	755.82	262.60	493.22
8/15/1998	755.82	262.60	493.22
8/16/1998	755.82	262.60	493.22
8/17/1998	755.82	262.60	493.22
8/18/1998	755.82	262.60	493.22
8/19/1998	755.82	262.60	493.22
8/20/1998	755.82	262.50	493.32
8/21/1998	755.82	262.50	493.32
8/22/1998	755.82	262.50	493.32
8/23/1998	755.82	262.50	493.32
8/24/1998	755.82	262.50	493.32
8/25/1998	755.82	262.40	493.42
8/26/1998	755.82	262.40	493.42
8/27/1998	755.82	262.40	493.42
8/28/1998	755.82	262.11	493.71
8/29/1998	755.82	262.20	493.62
8/30/1998	755.82	262.11	493.71
8/31/1998	755.82	262.11	493.71
9/1/1998	755.82	262.11	493.71
9/2/1998	755.82	262.11	493.71

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
9/3/1998	755.82	262.11	493.71
9/4/1998	755.82	262.11	493.71
9/5/1998	755.82	261.91	493.91
9/6/1998	755.82	261.91	493.91
9/7/1998	755.82	261.91	493.91
9/8/1998	755.82	261.91	493.91
9/9/1998	755.82	261.91	493.91
9/10/1998	755.82	261.91	493.91
9/11/1998	755.82	261.61	494.21
9/12/1998	755.82	261.61	494.21
9/13/1998	755.82	261.61	494.21
9/14/1998	755.82	261.61	494.21
9/15/1998	755.82	261.52	494.30
9/16/1998	755.82	261.42	494.40
9/17/1998	755.82	261.42	494.40
9/18/1998	755.82	261.42	494.40
9/19/1998	755.82	261.42	494.40
9/20/1998	755.82	261.42	494.40
9/21/1998	755.82	261.12	494.70
9/22/1998	755.82	261.12	494.70
9/23/1998	755.82	260.93	494.89
9/24/1998	755.82	260.93	494.89
9/25/1998	755.82	260.93	494.89
9/26/1998	755.82	260.93	494.89
9/27/1998	755.82	260.93	494.89
9/28/1998	755.82	260.73	495.09
9/29/1998	755.82	260.73	495.09
9/30/1998	755.82	260.73	495.09
10/1/1998	755.82	260.73	495.09
10/2/1998	755.82	260.73	495.09
10/3/1998	755.82	260.63	495.19
10/4/1998	755.82	260.43	495.39
10/5/1998	755.82	260.43	495.39
10/6/1998	755.82	260.43	495.39
10/6/1998	755.82	255.70	500.12
10/7/1998	755.82	260.43	495.39
10/8/1998	755.82	260.24	495.58
10/9/1998	755.82	260.24	495.58

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
10/10/1998	755.82	260.24	495.58
10/11/1998	755.82	260.24	495.58
10/12/1998	755.82	260.24	495.58
10/13/1998	755.82	260.14	495.68
10/14/1998	755.82	260.24	495.58
10/15/1998	755.82	260.24	495.58
10/16/1998	755.82	260.24	495.58
10/17/1998	755.82	259.94	495.88
10/18/1998	755.82	259.94	495.88
10/19/1998	755.82	259.94	495.88
10/20/1998	755.82	259.94	495.88
10/21/1998	755.82	259.94	495.88
10/22/1998	755.82	259.74	496.08
10/23/1998	755.82	259.74	496.08
10/24/1998	755.82	259.65	496.17
10/25/1998	755.82	259.74	496.08
10/26/1998	755.82	259.74	496.08
10/27/1998	755.82	259.65	496.17
10/28/1998	755.82	259.45	496.37
10/29/1998	755.82	259.55	496.27
10/30/1998	755.82	259.65	496.17
10/31/1998	755.82	259.45	496.37
11/1/1998	755.82	259.45	496.37
11/2/1998	755.82	259.45	496.37
11/3/1998	755.82	259.45	496.37
11/4/1998	755.82	259.45	496.37
11/5/1998	755.82	259.45	496.37
11/6/1998	755.82	259.45	496.37
11/7/1998	755.82	259.25	496.57
11/8/1998	755.82	259.25	496.57
11/9/1998	755.82	259.25	496.57
11/10/1998	755.82	259.15	496.67
11/11/1998	755.82	259.06	496.76
11/12/1998	755.82	259.06	496.76
11/13/1998	755.82	259.06	496.76
11/14/1998	755.82	259.06	496.76
11/15/1998	755.82	259.06	496.76
11/16/1998	755.82	259.06	496.76

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
11/17/1998	755.82	259.06	496.76
11/18/1998	755.82	258.86	496.96
11/19/1998	755.82	258.76	497.06
11/20/1998	755.82	258.66	497.16
11/21/1998	755.82	258.56	497.26
11/22/1998	755.82	258.56	497.26
11/23/1998	755.82	258.56	497.26
11/24/1998	755.82	258.27	497.55
11/25/1998	755.82	258.27	497.55
11/26/1998	755.82	258.27	497.55
11/27/1998	755.82	258.27	497.55
11/28/1998	755.82	258.37	497.45
11/29/1998	755.82	258.27	497.55
11/30/1998	755.82	258.07	497.75
12/1/1998	755.82	258.07	497.75
12/2/1998	755.82	258.07	497.75
12/3/1998	755.82	257.78	498.04
12/4/1998	755.82	257.78	498.04
12/5/1998	755.82	257.78	498.04
12/6/1998	755.82	257.58	498.24
12/7/1998	755.82	257.28	498.54
12/8/1998	755.82	257.28	498.54
12/9/1998	755.82	257.28	498.54
12/10/1998	755.82	257.19	498.63
12/11/1998	755.82	257.09	498.73
12/12/1998	755.82	257.09	498.73
12/13/1998	755.82	257.09	498.73
12/14/1998	755.82	257.09	498.73
12/15/1998	755.82	257.09	498.73
12/16/1998	755.82	256.89	498.93
12/17/1998	755.82	256.89	498.93
12/18/1998	755.82	256.89	498.93
12/19/1998	755.82	256.89	498.93
12/20/1998	755.82	256.69	499.13
12/21/1998	755.82	256.60	499.22
12/22/1998	755.82	256.40	499.42
12/23/1998	755.82	256.40	499.42
12/24/1998	755.82	256.20	499.62

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
12/25/1998	755.82	256.10	499.72
12/26/1998	755.82	256.10	499.72
12/27/1998	755.82	256.10	499.72
12/28/1998	755.82	256.10	499.72
12/29/1998	755.82	255.91	499.91
12/30/1998	755.82	256.10	499.72
12/31/1998	755.82	256.10	499.72
1/1/1999	755.82	255.91	499.91
1/2/1999	755.82	255.81	500.01
1/3/1999	755.82	255.71	500.11
1/4/1999	755.82	255.61	500.21
1/5/1999	755.82	255.42	500.40
1/6/1999	755.82	255.61	500.21
1/7/1999	755.82	255.91	499.91
1/8/1999	755.82	255.91	499.91
1/9/1999	755.82	255.91	499.91
1/10/1999	755.82	255.91	499.91
1/11/1999	755.82	256.01	499.81
1/12/1999	755.82	256.10	499.72
1/13/1999	755.82	256.10	499.72
1/14/1999	755.82	256.10	499.72
1/15/1999	755.82	256.10	499.72
1/16/1999	755.82	256.40	499.42
1/17/1999	755.82	256.40	499.42
1/18/1999	755.82	256.40	499.42
1/19/1999	755.82	256.20	499.62
1/20/1999	755.82	256.10	499.72
1/21/1999	755.82	255.91	499.91
1/22/1999	755.82	255.91	499.91
1/23/1999	755.82	256.10	499.72
1/24/1999	755.82	256.20	499.62
1/25/1999	755.82	256.40	499.42
1/26/1999	755.82	256.40	499.42
1/27/1999	755.82	256.40	499.42
1/28/1999	755.82	256.40	499.42
1/29/1999	755.82	256.40	499.42
1/30/1999	755.82	256.40	499.42
1/31/1999	755.82	256.60	499.22

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
2/1/1999	755.82	256.60	499.22
2/2/1999	755.82	256.60	499.22
2/3/1999	755.82	256.60	499.22
2/4/1999	755.82	256.89	498.93
2/5/1999	755.82	256.89	498.93
2/6/1999	755.82	256.89	498.93
2/7/1999	755.82	256.89	498.93
2/8/1999	755.82	257.09	498.73
2/9/1999	755.82	257.09	498.73
2/10/1999	755.82	257.09	498.73
2/11/1999	755.82	257.09	498.73
2/12/1999	755.82	257.09	498.73
2/13/1999	755.82	257.28	498.54
2/14/1999	755.82	257.28	498.54
2/15/1999	755.82	257.58	498.24
2/16/1999	755.82	257.58	498.24
2/17/1999	755.82	257.58	498.24
2/18/1999	755.82	257.58	498.24
2/19/1999	755.82	257.78	498.04
2/20/1999	755.82	257.78	498.04
2/21/1999	755.82	257.78	498.04
2/22/1999	755.82	257.78	498.04
2/23/1999	755.82	257.78	498.04
2/24/1999	755.82	258.07	497.75
2/25/1999	755.82	258.07	497.75
2/26/1999	755.82	258.07	497.75
2/27/1999	755.82	258.17	497.65
2/28/1999	755.82	258.27	497.55
3/1/1999	755.82	258.27	497.55
3/2/1999	755.82	258.56	497.26
3/3/1999	755.82	258.56	497.26
3/4/1999	755.82	258.56	497.26
3/5/1999	755.82	258.66	497.16
3/6/1999	755.82	258.76	497.06
3/7/1999	755.82	258.76	497.06
3/8/1999	755.82	258.76	497.06
3/9/1999	755.82	258.76	497.06
3/10/1999	755.82	258.96	496.86

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
3/11/1999	755.82	259.06	496.76
3/12/1999	755.82	259.06	496.76
3/13/1999	755.82	259.06	496.76
3/14/1999	755.82	259.25	496.57
3/15/1999	755.82	259.25	496.57
3/16/1999	755.82	259.45	496.37
3/17/1999	755.82	259.45	496.37
3/18/1999	755.82	259.45	496.37
3/19/1999	755.82	259.45	496.37
3/20/1999	755.82	259.45	496.37
3/21/1999	755.82	259.55	496.27
3/22/1999	755.82	259.74	496.08
3/23/1999	755.82	259.74	496.08
3/24/1999	755.82	259.94	495.88
3/25/1999	755.82	259.94	495.88
3/26/1999	755.82	260.24	495.58
3/27/1999	755.82	260.24	495.58
3/28/1999	755.82	260.24	495.58
3/29/1999	755.82	260.24	495.58
3/30/1999	755.82	260.43	495.39
3/31/1999	755.82	260.43	495.39
4/1/1999	755.82	260.73	495.09
4/2/1999	755.82	260.73	495.09
4/3/1999	755.82	260.73	495.09
4/4/1999	755.82	260.93	494.89
4/5/1999	755.82	260.93	494.89
4/6/1999	755.82	260.93	494.89
4/7/1999	755.82	260.93	494.89
4/8/1999	755.82	260.93	494.89
4/9/1999	755.82	260.93	494.89
4/10/1999	755.82	260.93	494.89
4/11/1999	755.82	261.12	494.70
4/12/1999	755.82	261.32	494.50
4/13/1999	755.82	261.12	494.70
4/14/1999	755.82	261.12	494.70
4/15/1999	755.82	261.42	494.40
4/16/1999	755.82	261.61	494.21
4/17/1999	755.82	261.52	494.30

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
4/18/1999	755.82	261.61	494.21
4/19/1999	755.82	261.61	494.21
4/20/1999	755.82	261.71	494.11
4/21/1999	755.82	261.91	493.91
4/22/1999	755.82	262.11	493.71
4/23/1999	755.82	262.11	493.71
4/24/1999	755.82	262.11	493.71
4/25/1999	755.82	262.11	493.71
4/26/1999	755.82	262.11	493.71
4/27/1999	755.82	262.40	493.42
4/28/1999	755.82	262.89	492.93
4/29/1999	755.82	262.99	492.83
4/30/1999	755.82	262.89	492.93
5/1/1999	755.82	262.89	492.93
5/2/1999	755.82	262.89	492.93
5/3/1999	755.82	262.99	492.83
5/4/1999	755.82	263.09	492.73
5/5/1999	755.82	263.09	492.73
5/6/1999	755.82	262.99	492.83
5/7/1999	755.82	263.29	492.53
5/8/1999	755.82	263.29	492.53
5/9/1999	755.82	263.29	492.53
5/10/1999	755.82	263.48	492.34
5/11/1999	755.82	263.58	492.24
5/12/1999	755.82	263.78	492.04
5/13/1999	755.82	263.78	492.04
5/14/1999	755.82	263.88	491.94
5/15/1999	755.82	264.07	491.75
5/16/1999	755.82	264.07	491.75
5/17/1999	755.82	264.07	491.75
5/18/1999	755.82	264.27	491.55
5/19/1999	755.82	264.27	491.55
5/20/1999	755.82	264.27	491.55
5/21/1999	755.82	264.57	491.25
5/22/1999	755.82	264.57	491.25
5/23/1999	755.82	264.57	491.25
5/24/1999	755.82	264.76	491.06
5/25/1999	755.82	264.86	490.96

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
5/26/1999	755.82	264.96	490.86
5/27/1999	755.82	264.96	490.86
5/28/1999	755.82	265.26	490.56
5/29/1999	755.82	265.35	490.47
5/30/1999	755.82	265.45	490.37
5/31/1999	755.82	265.45	490.37
6/1/1999	755.82	265.55	490.27
6/2/1999	755.82	265.75	490.07
6/3/1999	755.82	265.85	489.97
6/4/1999	755.82	265.94	489.88
6/5/1999	755.82	265.94	489.88
6/6/1999	755.82	266.24	489.58
6/7/1999	755.82	266.34	489.48
6/8/1999	755.82	266.44	489.38
6/9/1999	755.82	266.73	489.09
6/10/1999	755.82	266.73	489.09
6/11/1999	755.82	266.73	489.09
6/12/1999	755.82	266.93	488.89
6/13/1999	755.82	266.93	488.89
6/14/1999	755.82	267.12	488.70
6/15/1999	755.82	267.42	488.40
6/16/1999	755.82	267.42	488.40
6/17/1999	755.82	267.62	488.20
6/18/1999	755.82	267.62	488.20
6/19/1999	755.82	267.81	488.01
6/20/1999	755.82	267.91	487.91
6/21/1999	755.82	268.11	487.71
6/22/1999	755.82	268.21	487.61
6/23/1999	755.82	268.31	487.51
6/24/1999	755.82	268.40	487.42
6/25/1999	755.82	268.60	487.22
6/26/1999	755.82	268.60	487.22
6/27/1999	755.82	268.90	486.92
6/28/1999	755.82	268.90	486.92
6/29/1999	755.82	268.90	486.92
6/30/1999	755.82	269.09	486.73
7/1/1999	755.82	269.19	486.63
7/2/1999	755.82	269.29	486.53

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
7/3/1999	755.82	269.49	486.33
7/4/1999	755.82	269.58	486.24
7/5/1999	755.82	269.58	486.24
7/6/1999	755.82	269.78	486.04
7/7/1999	755.82	269.78	486.04
7/8/1999	755.82	270.08	485.74
7/9/1999	755.82	270.08	485.74
7/10/1999	755.82	270.08	485.74
7/11/1999	755.82	270.18	485.64
7/12/1999	755.82	270.27	485.55
7/13/1999	755.82	270.57	485.25
7/14/1999	755.82	270.57	485.25
7/15/1999	755.82	270.57	485.25
7/16/1999	755.82	270.77	485.05
7/17/1999	755.82	270.77	485.05
7/18/1999	755.82	270.96	484.86
7/19/1999	755.82	270.96	484.86
7/20/1999	755.82	271.06	484.76
7/21/1999	755.82	271.26	484.56
7/22/1999	755.82	271.26	484.56
7/23/1999	755.82	271.45	484.37
7/24/1999	755.82	271.45	484.37
7/25/1999	755.82	271.75	484.07
7/26/1999	755.82	271.75	484.07
7/27/1999	755.82	271.95	483.87
7/28/1999	755.82	271.95	483.87
7/29/1999	755.82	272.04	483.78
7/30/1999	755.82	272.24	483.58
7/31/1999	755.82	272.44	483.38
8/1/1999	755.82	272.44	483.38
8/2/1999	755.82	272.54	483.28
8/3/1999	755.82	272.73	483.09
8/4/1999	755.82	272.73	483.09
8/5/1999	755.82	272.93	482.89
8/6/1999	755.82	273.03	482.79
8/7/1999	755.82	273.13	482.69
8/8/1999	755.82	273.13	482.69
8/9/1999	755.82	273.42	482.40

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
8/10/1999	755.82	273.42	482.40
8/11/1999	755.82	273.52	482.30
8/12/1999	755.82	273.62	482.20
8/13/1999	755.82	273.62	482.20
8/14/1999	755.82	273.91	481.91
8/15/1999	755.82	273.91	481.91
8/16/1999	755.82	273.91	481.91
8/17/1999	755.82	273.91	481.91
8/18/1999	755.82	274.11	481.71
8/19/1999	755.82	274.41	481.41
8/20/1999	755.82	274.41	481.41
8/21/1999	755.82	274.41	481.41
8/22/1999	755.82	274.60	481.22
8/23/1999	755.82	274.80	481.02
8/24/1999	755.82	274.80	481.02
9/1/1999	755.82	275.01	480.81
9/2/1999	755.82	275.31	480.51
9/3/1999	755.82	275.31	480.51
9/4/1999	755.82	275.50	480.32
9/5/1999	755.82	275.50	480.32
9/6/1999	755.82	275.60	480.22
9/7/1999	755.82	275.80	480.02
9/8/1999	755.82	275.80	480.02
9/9/1999	755.82	276.00	479.82
9/10/1999	755.82	276.00	479.82
9/11/1999	755.82	276.09	479.73
9/12/1999	755.82	276.29	479.53
9/13/1999	755.82	276.29	479.53
9/14/1999	755.82	276.49	479.33
9/15/1999	755.82	276.49	479.33
9/16/1999	755.82	276.49	479.33
9/17/1999	755.82	276.59	479.23
9/18/1999	755.82	276.68	479.14
9/19/1999	755.82	276.68	479.14
9/20/1999	755.82	276.68	479.14
9/21/1999	755.82	276.68	479.14
9/22/1999	755.82	276.98	478.84
9/23/1999	755.82	276.98	478.84

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
9/24/1999	755.82	276.98	478.84
9/25/1999	755.82	276.98	478.84
9/26/1999	755.82	277.18	478.64
9/27/1999	755.82	277.18	478.64
9/28/1999	755.82	277.47	478.35
9/29/1999	755.82	277.47	478.35
9/30/1999	755.82	277.47	478.35
10/1/1999	755.82	277.67	478.15
10/2/1999	755.82	277.67	478.15
10/3/1999	755.82	277.67	478.15
10/4/1999	755.82	277.67	478.15
10/5/1999	755.82	277.67	478.15
10/6/1999	755.82	277.96	477.86
10/7/1999	755.82	278.06	477.76
10/8/1999	755.82	278.06	477.76
10/9/1999	755.82	278.16	477.66
10/10/1999	755.82	278.16	477.66
10/11/1999	755.82	278.16	477.66
10/12/1999	755.82	278.46	477.36
10/13/1999	755.82	278.46	477.36
10/14/1999	755.82	278.55	477.27
10/15/1999	755.82	278.65	477.17
10/16/1999	755.82	278.65	477.17
10/17/1999	755.82	278.65	477.17
10/18/1999	755.82	278.65	477.17
10/19/1999	755.82	278.85	476.97
10/20/1999	755.82	278.85	476.97
10/21/1999	755.82	278.85	476.97
10/22/1999	755.82	279.14	476.68
10/23/1999	755.82	279.14	476.68
10/24/1999	755.82	279.14	476.68
10/25/1999	755.82	279.14	476.68
10/26/1999	755.82	279.34	476.48
10/27/1999	755.82	279.34	476.48
10/28/1999	755.82	279.34	476.48
10/29/1999	755.82	279.54	476.28
10/30/1999	755.82	279.64	476.18
10/31/1999	755.82	279.64	476.18

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
11/1/1999	755.82	279.83	475.99
11/2/1999	755.82	279.83	475.99
11/3/1999	755.82	279.83	475.99
11/4/1999	755.82	280.13	475.69
11/5/1999	755.82	280.13	475.69
11/6/1999	755.82	280.13	475.69
11/7/1999	755.82	280.13	475.69
11/8/1999	755.82	280.33	475.49
11/9/1999	755.82	280.33	475.49
11/10/1999	755.82	280.42	475.40
11/11/1999	755.82	280.52	475.30
11/12/1999	755.82	280.52	475.30
11/13/1999	755.82	280.62	475.20
11/14/1999	755.82	280.82	475.00
11/15/1999	755.82	280.82	475.00
11/16/1999	755.82	280.82	475.00
11/17/1999	755.82	281.01	474.81
11/18/1999	755.82	281.01	474.81
11/19/1999	755.82	281.01	474.81
11/20/1999	755.82	281.01	474.81
11/21/1999	755.82	281.31	474.51
11/22/1999	755.82	281.31	474.51
11/23/1999	755.82	281.31	474.51
11/24/1999	755.82	281.31	474.51
11/25/1999	755.82	281.31	474.51
11/26/1999	755.82	281.51	474.31
11/27/1999	755.82	DRY	
11/28/1999	755.82	DRY	
11/29/1999	755.82	DRY	
11/30/1999	755.82	DRY	
12/1/1999	755.82	DRY	
12/2/1999	755.82	DRY	
12/3/1999	755.82	DRY	
12/4/1999	755.82	DRY	
12/5/1999	755.82	DRY	
12/6/1999	755.82	DRY	
12/7/1999	755.82	DRY	
12/8/1999	755.82	DRY	

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
12/9/1999	755.82	DRY	
12/10/1999	755.82	DRY	
12/11/1999	755.82	DRY	
12/12/1999	755.82	DRY	
12/13/1999	755.82	DRY	
12/14/1999	755.82	DRY	
12/15/1999	755.82	DRY	
12/16/1999	755.82	DRY	
12/17/1999	755.82	DRY	
12/18/1999	755.82	DRY	
12/19/1999	755.82	DRY	
12/20/1999	755.82	DRY	
12/21/1999	755.82	DRY	
12/22/1999	755.82	DRY	
12/23/1999	755.82	DRY	
12/24/1999	755.82	DRY	
12/25/1999	755.82	DRY	
12/26/1999	755.82	DRY	
12/27/1999	755.82	DRY	
12/28/1999	755.82	DRY	
12/29/1999	755.82	DRY	
12/30/1999	755.82	DRY	
12/31/1999	755.82	DRY	
1/1/2000	755.82	DRY	
1/2/2000	755.82	DRY	
1/3/2000	755.82	DRY	
1/4/2000	755.82	DRY	
1/5/2000	755.82	DRY	
1/6/2000	755.82	DRY	
1/7/2000	755.82	DRY	
1/8/2000	755.82	DRY	
1/9/2000	755.82	DRY	
1/10/2000	755.82	DRY	
1/11/2000	755.82	DRY	
1/12/2000	755.82	DRY	
1/13/2000	755.82	DRY	
1/14/2000	755.82	DRY	
1/15/2000	755.82	DRY	

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
1/16/2000	755.82	DRY	
1/17/2000	755.82	DRY	
1/18/2000	755.82	DRY	
1/19/2000	755.82	DRY	
1/20/2000	755.82	DRY	
1/21/2000	755.82	DRY	
1/22/2000	755.82	DRY	
1/23/2000	755.82	DRY	
1/24/2000	755.82	DRY	
1/25/2000	755.82	DRY	
1/26/2000	755.82	DRY	
1/27/2000	755.82	DRY	
1/28/2000	755.82	DRY	
1/29/2000	755.82	DRY	
1/30/2000	755.82	DRY	
1/31/2000	755.82	DRY	
2/1/2000	755.82	DRY	
2/2/2000	755.82	DRY	
2/3/2000	755.82	DRY	
2/4/2000	755.82	DRY	
2/5/2000	755.82	DRY	
2/6/2000	755.82	DRY	
2/7/2000	755.82	DRY	
2/8/2000	755.82	DRY	
2/9/2000	755.82	DRY	
2/10/2000	755.82	DRY	
2/11/2000	755.82	DRY	
2/12/2000	755.82	DRY	
2/13/2000	755.82	DRY	
2/14/2000	755.82	DRY	
2/15/2000	755.82	DRY	
2/16/2000	755.82	DRY	
2/17/2000	755.82	DRY	
2/18/2000	755.82	DRY	
2/19/2000	755.82	DRY	
2/20/2000	755.82	DRY	
2/21/2000	755.82	DRY	
2/22/2000	755.82	DRY	

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
2/23/2000	755.82	DRY	
2/24/2000	755.82	DRY	
2/25/2000	755.82	DRY	
2/26/2000	755.82	DRY	
2/27/2000	755.82	DRY	
2/28/2000	755.82	DRY	
2/29/2000	755.82	DRY	
3/1/2000	755.82	DRY	
3/2/2000	755.82	DRY	
3/3/2000	755.82	DRY	
3/4/2000	755.82	DRY	
3/5/2000	755.82	DRY	
3/6/2000	755.82	DRY	
3/7/2000	755.82	DRY	
3/8/2000	755.82	DRY	
3/9/2000	755.82	DRY	
3/10/2000	755.82	DRY	
3/11/2000	755.82	DRY	
3/12/2000	755.82	DRY	
3/13/2000	755.82	DRY	
3/14/2000	755.82	DRY	
3/15/2000	755.82	250.00	505.82
3/16/2000	755.82	DRY	
3/17/2000	755.82	DRY	
3/18/2000	755.82	DRY	
3/19/2000	755.82	DRY	
3/20/2000	755.82	DRY	
3/21/2000	755.82	DRY	
3/22/2000	755.82	DRY	
3/23/2000	755.82	DRY	
3/24/2000	755.82	DRY	
3/25/2000	755.82	DRY	
3/26/2000	755.82	DRY	
3/27/2000	755.82	DRY	
3/28/2000	755.82	DRY	
3/29/2000	755.82	DRY	
3/30/2000	755.82	DRY	
3/31/2000	755.82	DRY	

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
4/1/2000	755.82	DRY	
4/2/2000	755.82	DRY	
4/3/2000	755.82	DRY	
4/4/2000	755.82	DRY	
4/5/2000	755.82	DRY	
4/6/2000	755.82	DRY	
4/7/2000	755.82	DRY	
4/8/2000	755.82	DRY	
4/9/2000	755.82	DRY	
4/10/2000	755.82	DRY	
4/11/2000	755.82	DRY	
4/12/2000	755.82	DRY	
4/13/2000	755.82	DRY	
4/14/2000	755.82	DRY	
4/15/2000	755.82	DRY	
4/16/2000	755.82	DRY	
4/17/2000	755.82	DRY	
4/18/2000	755.82	DRY	
4/19/2000	755.82	DRY	
4/20/2000	755.82	DRY	
4/21/2000	755.82	DRY	
4/22/2000	755.82	DRY	
4/23/2000	755.82	DRY	
4/24/2000	755.82	DRY	
4/25/2000	755.82	DRY	
4/26/2000	755.82	DRY	
4/27/2000	755.82	DRY	
4/28/2000	755.82	DRY	
4/29/2000	755.82	DRY	
4/30/2000	755.82	DRY	
5/1/2000	755.82	DRY	
5/2/2000	755.82	DRY	
5/3/2000	755.82	DRY	
5/4/2000	755.82	DRY	
5/5/2000	755.82	DRY	
5/6/2000	755.82	DRY	
5/7/2000	755.82	DRY	
5/8/2000	755.82	DRY	

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
5/9/2000	755.82	DRY	
5/10/2000	755.82	DRY	
5/11/2000	755.82	DRY	
5/12/2000	755.82	DRY	
5/13/2000	755.82	DRY	
5/14/2000	755.82	DRY	
5/15/2000	755.82	DRY	
5/16/2000	755.82	DRY	
5/17/2000	755.82	DRY	
5/18/2000	755.82	DRY	
5/19/2000	755.82	DRY	
5/20/2000	755.82	DRY	
5/21/2000	755.82	DRY	
5/22/2000	755.82	DRY	
5/23/2000	755.82	DRY	
5/24/2000	755.82	DRY	
5/25/2000	755.82	DRY	
5/26/2000	755.82	DRY	
5/27/2000	755.82	DRY	
5/28/2000	755.82	DRY	
5/29/2000	755.82	DRY	
5/30/2000	755.82	DRY	
5/31/2000	755.82	DRY	
6/1/2000	755.82	DRY	
6/2/2000	755.82	DRY	
6/3/2000	755.82	DRY	
6/4/2000	755.82	DRY	
6/5/2000	755.82	DRY	
6/6/2000	755.82	DRY	
6/7/2000	755.82	DRY	
6/8/2000	755.82	DRY	
6/9/2000	755.82	DRY	
6/10/2000	755.82	DRY	
6/11/2000	755.82	DRY	
6/12/2000	755.82	DRY	
6/13/2000	755.82	DRY	
6/14/2000	755.82	DRY	
6/15/2000	755.82	DRY	

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
6/16/2000	755.82	DRY	
6/17/2000	755.82	DRY	
6/18/2000	755.82	DRY	
6/19/2000	755.82	DRY	
6/20/2000	755.82	DRY	
6/21/2000	755.82	DRY	
6/22/2000	755.82	DRY	
6/23/2000	755.82	DRY	
6/24/2000	755.82	281.51	474.31
6/25/2000	755.82	281.51	474.31
6/26/2000	755.82	281.60	474.22
6/27/2000	755.82	281.60	474.22
6/28/2000	755.82	DRY	
6/29/2000	755.82	281.60	474.22
6/30/2000	755.82	281.51	474.31
7/1/2000	755.82	281.60	474.22
7/2/2000	755.82	281.51	474.31
7/3/2000	755.82	281.60	474.22
7/4/2000	755.82	281.51	474.31
7/5/2000	755.82	281.51	474.31
7/6/2000	755.82	281.51	474.31
7/7/2000	755.82	281.60	474.22
7/8/2000	755.82	281.51	474.31
7/9/2000	755.82	281.51	474.31
7/10/2000	755.82	281.51	474.31
7/11/2000	755.82	281.51	474.31
7/12/2000	755.82	281.51	474.31
7/13/2000	755.82	281.51	474.31
7/14/2000	755.82	281.51	474.31
7/15/2000	755.82	281.51	474.31
7/16/2000	755.82	281.51	474.31
7/17/2000	755.82	281.51	474.31
7/18/2000	755.82	281.51	474.31
1/1/2001	755.82	280.52	475.30
1/2/2001	755.82	280.33	475.49
1/3/2001	755.82	280.23	475.59
1/4/2001	755.82	280.33	475.49
1/5/2001	755.82	280.33	475.49

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
1/6/2001	755.82	280.33	475.49
1/7/2001	755.82	280.33	475.49
1/8/2001	755.82	280.33	475.49
1/9/2001	755.82	280.52	475.30
1/10/2001	755.82	280.33	475.49
1/11/2001	755.82	280.42	475.40
1/12/2001	755.82	280.52	475.30
1/13/2001	755.82	280.33	475.49
1/14/2001	755.82	280.33	475.49
1/15/2001	755.82	280.33	475.49
1/16/2001	755.82	280.52	475.30
1/17/2001	755.82	280.42	475.40
1/18/2001	755.82	280.33	475.49
1/19/2001	755.82	280.33	475.49
1/20/2001	755.82	280.42	475.40
1/21/2001	755.82	280.42	475.40
1/22/2001	755.82	280.52	475.30
1/23/2001	755.82	280.52	475.30
1/24/2001	755.82	280.52	475.30
1/25/2001	755.82	280.52	475.30
1/26/2001	755.82	280.52	475.30
1/27/2001	755.82	280.82	475.00
1/28/2001	755.82	280.82	475.00
1/29/2001	755.82	280.72	475.10
1/30/2001	755.82	280.52	475.30
1/31/2001	755.82	280.82	475.00
2/1/2001	755.82	280.82	475.00
2/2/2001	755.82	280.72	475.10
2/3/2001	755.82	280.82	475.00
2/4/2001	755.82	280.82	475.00
2/5/2001	755.82	280.92	474.90
2/6/2001	755.82	281.01	474.81
2/7/2001	755.82	281.31	474.51
2/8/2001	755.82	281.31	474.51
2/9/2001	755.82	280.92	474.90
2/10/2001	755.82	280.82	475.00
2/11/2001	755.82	280.82	475.00
2/12/2001	755.82	280.82	475.00

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
2/13/2001	755.82	281.01	474.81
2/14/2001	755.82	280.82	475.00
2/15/2001	755.82	280.62	475.20
2/16/2001	755.82	280.52	475.30
2/17/2001	755.82	280.52	475.30
2/18/2001	755.82	280.52	475.30
2/19/2001	755.82	280.52	475.30
2/20/2001	755.82	280.33	475.49
2/21/2001	755.82	280.33	475.49
2/22/2001	755.82	280.33	475.49
2/23/2001	755.82	280.42	475.40
2/24/2001	755.82	280.52	475.30
2/25/2001	755.82	280.33	475.49
2/26/2001	755.82	280.33	475.49
2/27/2001	755.82	280.33	475.49
2/28/2001	755.82	280.33	475.49
3/1/2001	755.82	280.23	475.59
3/2/2001	755.82	280.13	475.69
3/3/2001	755.82	280.33	475.49
3/4/2001	755.82	280.13	475.69
3/5/2001	755.82	280.13	475.69
3/6/2001	755.82	280.13	475.69
3/7/2001	755.82	279.93	475.89
3/8/2001	755.82	279.83	475.99
3/9/2001	755.82	279.83	475.99
3/10/2001	755.82	279.83	475.99
3/11/2001	755.82	279.83	475.99
3/12/2001	755.82	279.83	475.99
3/13/2001	755.82	279.64	476.18
3/14/2001	755.82	279.64	476.18
3/15/2001	755.82	279.44	476.38
3/16/2001	755.82	279.64	476.18
3/17/2001	755.82	279.64	476.18
3/18/2001	755.82	279.34	476.48
3/19/2001	755.82	279.34	476.48
3/20/2001	755.82	279.34	476.48
3/21/2001	755.82	279.34	476.48
3/22/2001	755.82	279.14	476.68

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
3/23/2001	755.82	279.14	476.68
3/24/2001	755.82	279.14	476.68
3/25/2001	755.82	279.14	476.68
3/26/2001	755.82	279.14	476.68
3/27/2001	755.82	279.14	476.68
3/28/2001	755.82	278.95	476.87
3/29/2001	755.82	279.05	476.77
3/30/2001	755.82	279.05	476.77
3/31/2001	755.82	278.85	476.97
4/1/2001	755.82	278.85	476.97
4/2/2001	755.82	278.85	476.97
4/3/2001	755.82	278.85	476.97
4/4/2001	755.82	278.65	477.17
4/5/2001	755.82	278.65	477.17
4/6/2001	755.82	278.65	477.17
4/7/2001	755.82	278.55	477.27
4/8/2001	755.82	278.46	477.36
4/9/2001	755.82	278.46	477.36
4/10/2001	755.82	278.46	477.36
4/11/2001	755.82	278.46	477.36
4/12/2001	755.82	278.46	477.36
4/13/2001	755.82	278.16	477.66
4/14/2001	755.82	278.16	477.66
4/15/2001	755.82	278.16	477.66
4/16/2001	755.82	278.16	477.66
4/17/2001	755.82	278.06	477.76
4/18/2001	755.82	278.06	477.76
4/19/2001	755.82	277.96	477.86
4/20/2001	755.82	277.96	477.86
4/21/2001	755.82	277.96	477.86
4/22/2001	755.82	277.96	477.86
4/23/2001	755.82	277.67	478.15
4/24/2001	755.82	277.77	478.05
4/25/2001	755.82	277.96	477.86
4/26/2001	755.82	277.96	477.86
4/27/2001	755.82	277.96	477.86
4/28/2001	755.82	277.96	477.86
4/29/2001	755.82	277.96	477.86

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
4/30/2001	755.82	277.67	478.15
5/1/2001	755.82	277.67	478.15
5/2/2001	755.82	277.77	478.05
5/3/2001	755.82	277.67	478.15
5/4/2001	755.82	277.67	478.15
5/5/2001	755.82	277.67	478.15
5/6/2001	755.82	277.67	478.15
5/7/2001	755.82	277.57	478.25
5/8/2001	755.82	277.67	478.15
5/9/2001	755.82	277.67	478.15
5/10/2001	755.82	277.67	478.15
5/11/2001	755.82	277.67	478.15
5/12/2001	755.82	277.67	478.15
5/13/2001	755.82	277.47	478.35
5/14/2001	755.82	277.47	478.35
5/15/2001	755.82	277.47	478.35
5/16/2001	755.82	277.47	478.35
5/17/2001	755.82	277.67	478.15
5/18/2001	755.82	277.67	478.15
5/19/2001	755.82	277.67	478.15
5/20/2001	755.82	277.67	478.15
5/21/2001	755.82	277.67	478.15
5/22/2001	755.82	277.67	478.15
5/23/2001	755.82	277.67	478.15
5/24/2001	755.82	277.67	478.15
5/25/2001	755.82	277.67	478.15
5/26/2001	755.82	277.67	478.15
5/27/2001	755.82	277.67	478.15
5/28/2001	755.82	277.67	478.15
5/29/2001	755.82	277.67	478.15
5/30/2001	755.82	277.67	478.15
5/31/2001	755.82	277.77	478.05
6/1/2001	755.82	277.96	477.86
6/2/2001	755.82	277.96	477.86
6/3/2001	755.82	277.96	477.86
6/4/2001	755.82	277.96	477.86
6/5/2001	755.82	277.96	477.86
6/6/2001	755.82	277.96	477.86

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
6/7/2001	755.82	277.96	477.86
6/8/2001	755.82	277.96	477.86
6/9/2001	755.82	277.96	477.86
6/10/2001	755.82	277.96	477.86
6/11/2001	755.82	277.96	477.86
6/12/2001	755.82	277.96	477.86
6/13/2001	755.82	278.06	477.76
6/14/2001	755.82	278.16	477.66
6/15/2001	755.82	278.16	477.66
6/16/2001	755.82	278.16	477.66
6/17/2001	755.82	278.06	477.76
6/18/2001	755.82	278.16	477.66
6/19/2001	755.82	278.26	477.56
6/20/2001	755.82	278.46	477.36
6/21/2001	755.82	278.46	477.36
6/22/2001	755.82	278.16	477.66
6/23/2001	755.82	278.46	477.36
6/24/2001	755.82	278.46	477.36
6/25/2001	755.82	278.46	477.36
6/26/2001	755.82	278.46	477.36
6/27/2001	755.82	278.46	477.36
6/28/2001	755.82	278.16	477.66
6/29/2001	755.82	278.46	477.36
6/30/2001	755.82	278.26	477.56
7/1/2001	755.82	278.26	477.56
7/2/2001	755.82	278.26	477.56
7/3/2001	755.82	278.26	477.56
7/4/2001	755.82	278.16	477.66
7/5/2001	755.82	278.16	477.66
7/6/2001	755.82	278.16	477.66
7/7/2001	755.82	278.06	477.76
7/8/2001	755.82	277.96	477.86
7/9/2001	755.82	277.96	477.86
7/10/2001	755.82	277.96	477.86
7/11/2001	755.82	277.96	477.86
7/12/2001	755.82	277.96	477.86
7/13/2001	755.82	277.96	477.86
7/14/2001	755.82	277.96	477.86

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
7/15/2001	755.82	277.96	477.86
7/16/2001	755.82	277.96	477.86
7/17/2001	755.82	277.96	477.86
7/18/2001	755.82	277.96	477.86
7/19/2001	755.82	277.96	477.86
7/20/2001	755.82	277.96	477.86
7/21/2001	755.82	277.96	477.86
7/22/2001	755.82	277.96	477.86
7/23/2001	755.82	277.96	477.86
7/24/2001	755.82	277.96	477.86
7/25/2001	755.82	277.87	477.95
7/26/2001	755.82	277.96	477.86
7/27/2001	755.82	277.77	478.05
7/28/2001	755.82	277.67	478.15
7/29/2001	755.82	277.67	478.15
7/30/2001	755.82	277.67	478.15
7/31/2001	755.82	277.67	478.15
8/1/2001	755.82	277.67	478.15
8/2/2001	755.82	277.67	478.15
8/3/2001	755.82	277.57	478.25
8/4/2001	755.82	277.67	478.15
8/5/2001	755.82	277.87	477.95
8/6/2001	755.82	277.87	477.95
8/7/2001	755.82	277.96	477.86
8/8/2001	755.82	277.96	477.86
8/9/2001	755.82	278.06	477.76
8/10/2001	755.82	278.06	477.76
8/11/2001	755.82	278.16	477.66
8/12/2001	755.82	278.16	477.66
8/13/2001	755.82	278.16	477.66
8/14/2001	755.82	278.46	477.36
8/15/2001	755.82	278.46	477.36
8/16/2001	755.82	278.46	477.36
8/17/2001	755.82	278.55	477.27
8/18/2001	755.82	278.65	477.17
8/19/2001	755.82	278.65	477.17
8/20/2001	755.82	278.65	477.17
8/21/2001	755.82	278.65	477.17

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
8/22/2001	755.82	278.85	476.97
8/23/2001	755.82	278.85	476.97
8/24/2001	755.82	278.85	476.97
8/25/2001	755.82	279.05	476.77
8/26/2001	755.82	279.14	476.68
8/27/2001	755.82	279.14	476.68
8/28/2001	755.82	279.34	476.48
8/29/2001	755.82	279.34	476.48
8/30/2001	755.82	279.34	476.48
8/31/2001	755.82	279.34	476.48
9/1/2001	755.82	279.44	476.38
9/2/2001	755.82	279.54	476.28
9/3/2001	755.82	279.54	476.28
9/4/2001	755.82	279.64	476.18
9/5/2001	755.82	279.64	476.18
9/6/2001	755.82	279.83	475.99
9/7/2001	755.82	279.83	475.99
9/8/2001	755.82	279.83	475.99
9/9/2001	755.82	279.83	475.99
9/10/2001	755.82	279.93	475.89
9/11/2001	755.82	280.13	475.69
9/12/2001	755.82	280.13	475.69
9/13/2001	755.82	280.13	475.69
9/14/2001	755.82	280.33	475.49
9/15/2001	755.82	280.33	475.49
9/16/2001	755.82	280.33	475.49
9/17/2001	755.82	280.33	475.49
9/18/2001	755.82	280.33	475.49
9/19/2001	755.82	280.52	475.30
9/20/2001	755.82	280.52	475.30
9/21/2001	755.82	280.52	475.30
9/22/2001	755.82	280.62	475.20
9/23/2001	755.82	280.82	475.00
9/24/2001	755.82	280.82	475.00
9/25/2001	755.82	281.01	474.81
9/26/2001	755.82	281.01	474.81
9/27/2001	755.82	281.01	474.81
9/28/2001	755.82	281.21	474.61

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
9/29/2001	755.82	281.31	474.51
9/30/2001	755.82	281.31	474.51
10/1/2001	755.82	281.31	474.51
10/2/2001	755.82	281.31	474.51
10/3/2001	755.82	281.41	474.41
10/4/2001	755.82	281.51	474.31
10/5/2001	755.82	281.51	474.31
10/6/2001	755.82	281.51	474.31
10/7/2001	755.82	281.51	474.31
10/8/2001	755.82	281.51	474.31
10/9/2001	755.82	281.70	474.12
10/10/2001	755.82	281.80	474.02
10/11/2001	755.82	281.80	474.02
10/12/2001	755.82	281.90	473.92
10/13/2001	755.82	282.00	473.82
10/14/2001	755.82	282.00	473.82
10/15/2001	755.82	DRY	
10/16/2001	755.82	DRY	
10/17/2001	755.82	DRY	
10/18/2001	755.82	DRY	
10/19/2001	755.82	DRY	
10/20/2001	755.82	DRY	
10/21/2001	755.82	DRY	
10/22/2001	755.82	DRY	
10/23/2001	755.82	DRY	
10/24/2001	755.82	DRY	
10/25/2001	755.82	DRY	
10/26/2001	755.82	282.00	473.82
10/27/2001	755.82	282.00	473.82
10/28/2001	755.82	282.00	473.82
10/29/2001	755.82	281.90	473.92
10/30/2001	755.82	282.00	473.82
10/31/2001	755.82	282.10	473.72
11/1/2001	755.82	282.10	473.72
11/2/2001	755.82	282.00	473.82
11/3/2001	755.82	282.00	473.82
11/4/2001	755.82	DRY	
11/5/2001	755.82	DRY	

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
11/6/2001	755.82	DRY	
11/7/2001	755.82	DRY	
11/8/2001	755.82	DRY	
11/9/2001	755.82	DRY	
11/10/2001	755.82	DRY	
11/11/2001	755.82	DRY	
11/12/2001	755.82	DRY	
11/13/2001	755.82	DRY	
11/14/2001	755.82	DRY	
11/15/2001	755.82	DRY	
11/16/2001	755.82	DRY	
11/17/2001	755.82	DRY	
3/16/2006	755.82	267.45	488.37
5/13/2006	755.82	264	491.82
6/23/2006	755.82	263.29	492.53
10/5/2006	755.82	261.9	493.92
10/14/2006	755.82	261.9	493.90
12/11/2006	755.82	263	492.82
3/8/2007	755.82	263.93	491.89
6/14/2007	755.82	266.14	489.68
9/13/2007	755.82	269.52	486.30
11/27/2007	755.82	270.26	485.56
4Q10	755.82	267.23	488.59
NH-C01-325 (Screened: 275-325)			
8/16/1990	781.43	299.03	482.40
9/11/1990	781.43		
11/16/1990	781.43	299.28	482.15
12/18/1990	781.43	299.28	482.15
12/18/1990	781.43	296.63	484.80
1/14/1991	781.43	293.88	487.55
2/15/1991	781.43	293.68	487.75
3/20/1991	781.43	294.13	487.30
3/22/1991	781.43	297.47	483.96
4/18/1991	781.43	294.77	486.66
5/17/1991	781.43	296.67	484.76
6/13/1991	781.43	298.87	482.56
7/16/1991	781.43	301.37	480.06

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
8/14/1991	781.43	303.37	478.06
9/11/1991	781.43	304.97	476.46
10/10/1991	781.43	305.77	475.66
11/14/1991	781.43	306.07	475.36
12/5/1991	781.43	305.77	475.66
1/27/1992	781.43	301.47	479.96
2/20/1992	781.43	299.87	481.56
3/12/1992	781.43	300.57	480.86
4/28/1992	781.43	302.27	479.16
5/29/1992	781.43	302.77	478.66
6/30/1992	781.43	302.97	478.46
7/22/1992	781.43	303.17	478.26
8/31/1992	781.43	304.97	476.46
9/22/1992	781.43	306.63	474.80
10/21/1992	781.43	308.73	472.70
11/18/1992	781.43	309.23	472.20
12/21/1992	781.43	307.53	473.90
1/20/1993	781.43	303.93	477.50
2/23/1993	781.43	299.53	481.90
3/24/1993	781.43	296.33	485.10
4/21/1993	781.43	292.93	488.50
5/20/1993	781.43	288.93	492.50
6/23/1993	781.43	285.33	496.10
7/19/1993	781.43	281.83	499.60
8/20/1993	781.43	278.03	503.40
9/20/1993	781.43	275.63	505.80
10/27/1993	781.43	273.23	508.20
11/22/1993	781.43	271.03	510.40
12/16/1993	781.43	269.63	511.80
4/20/1994	781.43	264.63	516.80
5/25/1994	781.43	262.43	519.00
6/21/1994	781.43	260.43	521.00
7/18/1994	781.43	259.63	521.80
8/22/1994	781.43	262.93	518.50
9/29/1994	781.43	270.23	511.20
10/28/1994	781.43	293.13	488.30
11/30/1994	781.43	278.33	503.10
12/16/1994	781.43	275.73	505.70

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
1/20/1995	781.43	275.43	506.00
2/21/1995	781.43	276.33	505.10
3/27/1995	781.43	274.93	506.50
4/26/1995	781.43	275.93	505.50
5/24/1995	781.43	272.23	509.20
6/19/1995	781.43	268.53	512.90
7/19/1995	781.43	265.43	516.00
8/18/1995	781.43	264.33	517.10
9/28/1995	781.43	262.63	518.80
10/26/1995	781.43	260.23	521.20
11/27/1995	781.43		
12/30/1995	781.43		
2/22/1996	781.43	261.83	519.60
3/21/1996	781.43	259.73	521.70
7/24/1996	781.43	261.33	520.10
9/17/1996	781.43	266.93	514.50
12/5/1996	781.43	273.03	508.40
6/6/1997	781.43	275.33	506.10
9/10/1997	781.43	281.49	499.94
10/13/1997	781.43	283.16	498.27
10/14/1997	781.43	283.26	498.17
10/15/1997	781.43	283.46	497.97
10/16/1997	781.43	283.46	497.97
10/17/1997	781.43	283.46	497.97
10/18/1997	781.43	283.66	497.77
10/19/1997	781.43	283.66	497.77
10/20/1997	781.43	283.66	497.77
10/21/1997	781.43	283.85	497.58
10/22/1997	781.43	283.95	497.48
10/23/1997	781.43	283.95	497.48
10/24/1997	781.43	284.25	497.18
10/25/1997	781.43	284.25	497.18
10/26/1997	781.43	284.25	497.18
10/27/1997	781.43	284.44	496.99
10/28/1997	781.43	284.44	496.99
10/29/1997	781.43	284.44	496.99
10/30/1997	781.43	284.44	496.99
10/31/1997	781.43	284.64	496.79

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
11/1/1997	781.43	284.74	496.69
11/2/1997	781.43	284.84	496.59
11/3/1997	781.43	285.03	496.40
11/4/1997	781.43	285.03	496.40
11/5/1997	781.43	285.03	496.40
12/4/1997	781.43	274.35	507.08
3/10/1998	781.43	293.01	488.42
6/9/1998	781.43	284.25	497.18
8/4/1998	781.43	281.59	499.84
8/5/1998	781.43	281.49	499.94
8/6/1998	781.43	281.39	500.04
8/7/1998	781.43	281.59	499.84
8/8/1998	781.43	281.59	499.84
8/9/1998	781.43	281.49	499.94
8/10/1998	781.43	281.39	500.04
8/11/1998	781.43	281.39	500.04
8/12/1998	781.43	281.39	500.04
8/13/1998	781.43	281.39	500.04
8/14/1998	781.43	281.39	500.04
8/15/1998	781.43	281.59	499.84
8/16/1998	781.43	281.59	499.84
8/17/1998	781.43	281.59	499.84
8/18/1998	781.43	281.39	500.04
8/19/1998	781.43	281.59	499.84
8/20/1998	781.43	281.39	500.04
8/21/1998	781.43	281.39	500.04
8/22/1998	781.43	281.39	500.04
8/23/1998	781.43	281.39	500.04
8/24/1998	781.43	281.39	500.04
8/25/1998	781.43	281.39	500.04
8/26/1998	781.43	281.20	500.23
8/27/1998	781.43	281.10	500.33
8/28/1998	781.43	281.10	500.33
8/29/1998	781.43	281.10	500.33
8/30/1998	781.43	281.10	500.33
8/31/1998	781.43	281.10	500.33
9/1/1998	781.43	281.10	500.33
9/2/1998	781.43	281.10	500.33

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
9/3/1998	781.43	281.10	500.33
9/4/1998	781.43	280.90	500.53
9/5/1998	781.43	280.90	500.53
9/6/1998	781.43	280.70	500.73
9/7/1998	781.43	280.70	500.73
9/8/1998	781.43	280.70	500.73
9/9/1998	781.43	280.61	500.82
9/10/1998	781.43	280.61	500.82
9/11/1998	781.43	280.61	500.82
9/12/1998	781.43	280.61	500.82
9/13/1998	781.43	280.31	501.12
9/14/1998	781.43	280.31	501.12
9/15/1998	781.43	280.31	501.12
9/16/1998	781.43	280.31	501.12
9/17/1998	781.43	280.11	501.32
9/18/1998	781.43	280.11	501.32
9/19/1998	781.43	280.11	501.32
9/20/1998	781.43	280.11	501.32
9/21/1998	781.43	280.11	501.32
9/22/1998	781.43	279.82	501.61
9/23/1998	781.43	279.82	501.61
9/24/1998	781.43	279.82	501.61
9/25/1998	781.43	279.82	501.61
9/26/1998	781.43	279.62	501.81
9/27/1998	781.43	279.52	501.91
9/28/1998	781.43	279.52	501.91
9/29/1998	781.43	279.52	501.91
9/30/1998	781.43	279.33	502.10
10/1/1998	781.43	279.33	502.10
10/2/1998	781.43	279.33	502.10
10/3/1998	781.43	279.33	502.10
10/4/1998	781.43	279.33	502.10
10/5/1998	781.43	279.33	502.10
10/6/1998	781.43	278.20	503.23
10/7/1998	781.43	279.03	502.40
10/8/1998	781.43	279.03	502.40
10/9/1998	781.43	279.03	502.40
10/10/1998	781.43	279.03	502.40

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
10/11/1998	781.43	279.03	502.40
10/12/1998	781.43	279.03	502.40
10/13/1998	781.43	278.83	502.60
10/14/1998	781.43	278.83	502.60
10/15/1998	781.43	279.03	502.40
10/16/1998	781.43	279.03	502.40
10/17/1998	781.43	278.83	502.60
10/18/1998	781.43	278.83	502.60
10/19/1998	781.43	278.83	502.60
10/20/1998	781.43	278.83	502.60
10/21/1998	781.43	278.64	502.79
10/22/1998	781.43	278.54	502.89
10/23/1998	781.43	278.54	502.89
10/24/1998	781.43	278.54	502.89
10/25/1998	781.43	278.54	502.89
10/26/1998	781.43	278.54	502.89
10/27/1998	781.43	278.54	502.89
10/28/1998	781.43	278.24	503.19
10/29/1998	781.43	278.24	503.19
10/30/1998	781.43	278.44	502.99
10/31/1998	781.43	278.24	503.19
11/1/1998	781.43	278.24	503.19
11/2/1998	781.43	278.24	503.19
11/3/1998	781.43	278.24	503.19
11/4/1998	781.43	278.24	503.19
11/5/1998	781.43	278.24	503.19
11/6/1998	781.43	278.24	503.19
11/7/1998	781.43	278.05	503.38
11/8/1998	781.43	278.05	503.38
11/9/1998	781.43	278.05	503.38
11/10/1998	781.43	278.05	503.38
11/11/1998	781.43	278.05	503.38
11/12/1998	781.43	277.85	503.58
11/13/1998	781.43	277.75	503.68
11/14/1998	781.43	277.75	503.68
11/15/1998	781.43	277.75	503.68
11/16/1998	781.43	277.75	503.68
11/17/1998	781.43	277.75	503.68

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
11/18/1998	781.43	277.75	503.68
11/19/1998	781.43	277.65	503.78
11/20/1998	781.43	277.46	503.97
11/21/1998	781.43	277.46	503.97
11/22/1998	781.43	277.46	503.97
11/23/1998	781.43	277.46	503.97
11/24/1998	781.43	277.26	504.17
11/25/1998	781.43	277.26	504.17
11/26/1998	781.43	277.26	504.17
11/27/1998	781.43	277.26	504.17
11/28/1998	781.43	277.26	504.17
11/29/1998	781.43	277.26	504.17
11/30/1998	781.43	276.96	504.47
12/1/1998	781.43	276.96	504.47
12/2/1998	781.43	276.87	504.56
12/3/1998	781.43	276.77	504.66
12/4/1998	781.43	276.87	504.56
12/5/1998	781.43	276.77	504.66
12/6/1998	781.43	276.67	504.76
12/7/1998	781.43	276.47	504.96
12/8/1998	781.43	276.18	505.25
12/9/1998	781.43	276.37	505.06
12/10/1998	781.43	276.18	505.25
12/11/1998	781.43	275.98	505.45
12/12/1998	781.43	276.08	505.35
12/13/1998	781.43	276.18	505.25
12/14/1998	781.43	276.08	505.35
12/15/1998	781.43	275.98	505.45
12/16/1998	781.43	275.98	505.45
12/17/1998	781.43	275.98	505.45
12/18/1998	781.43	275.98	505.45
12/19/1998	781.43	275.98	505.45
12/20/1998	781.43	275.78	505.65
12/21/1998	781.43	275.69	505.74
12/22/1998	781.43	275.39	506.04
12/23/1998	781.43	275.39	506.04
12/24/1998	781.43	275.29	506.14
12/25/1998	781.43	275.19	506.24

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
12/26/1998	781.43	275.19	506.24
12/27/1998	781.43	275.19	506.24
12/28/1998	781.43	275.19	506.24
12/29/1998	781.43	275.00	506.43
12/30/1998	781.43	275.19	506.24
12/31/1998	781.43	275.19	506.24
1/1/1999	781.43	275.00	506.43
1/2/1999	781.43	274.90	506.53
1/3/1999	781.43	274.90	506.53
1/4/1999	781.43	274.70	506.73
1/5/1999	781.43	274.50	506.93
1/6/1999	781.43	274.70	506.73
1/7/1999	781.43	274.70	506.73
1/8/1999	781.43	274.80	506.63
1/9/1999	781.43	274.90	506.53
1/10/1999	781.43	274.90	506.53
1/11/1999	781.43	274.90	506.53
1/12/1999	781.43	275.00	506.43
1/13/1999	781.43	275.00	506.43
1/14/1999	781.43	275.00	506.43
1/15/1999	781.43	275.19	506.24
1/16/1999	781.43	275.19	506.24
1/17/1999	781.43	275.19	506.24
1/18/1999	781.43	275.19	506.24
1/19/1999	781.43	275.19	506.24
1/20/1999	781.43	275.09	506.34
1/21/1999	781.43	275.00	506.43
1/22/1999	781.43	274.90	506.53
1/23/1999	781.43	275.09	506.34
1/24/1999	781.43	275.19	506.24
1/25/1999	781.43	275.39	506.04
1/26/1999	781.43	275.39	506.04
1/27/1999	781.43	275.39	506.04
1/28/1999	781.43	275.39	506.04
1/29/1999	781.43	275.39	506.04
1/30/1999	781.43	275.39	506.04
1/31/1999	781.43	275.59	505.84
2/1/1999	781.43	275.59	505.84

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
2/2/1999	781.43	275.49	505.94
2/3/1999	781.43	275.69	505.74
2/4/1999	781.43	275.98	505.45
2/5/1999	781.43	275.98	505.45
2/6/1999	781.43	275.78	505.65
2/7/1999	781.43	275.78	505.65
2/8/1999	781.43	275.98	505.45
2/9/1999	781.43	276.08	505.35
2/10/1999	781.43	276.18	505.25
2/11/1999	781.43	275.98	505.45
2/12/1999	781.43	276.18	505.25
2/13/1999	781.43	276.18	505.25
2/14/1999	781.43	276.47	504.96
2/15/1999	781.43	276.47	504.96
2/16/1999	781.43	276.47	504.96
2/17/1999	781.43	276.77	504.66
2/18/1999	781.43	276.77	504.66
2/19/1999	781.43	276.87	504.56
2/20/1999	781.43	276.96	504.47
2/21/1999	781.43	276.96	504.47
2/22/1999	781.43	276.96	504.47
2/23/1999	781.43	276.96	504.47
2/24/1999	781.43	277.16	504.27
2/25/1999	781.43	277.26	504.17
2/26/1999	781.43	277.26	504.17
2/27/1999	781.43	277.36	504.07
2/28/1999	781.43	277.46	503.97
3/1/1999	781.43	277.46	503.97
3/2/1999	781.43	277.55	503.88
3/3/1999	781.43	277.75	503.68
3/4/1999	781.43	277.75	503.68
3/5/1999	781.43	277.75	503.68
3/6/1999	781.43	277.95	503.48
3/7/1999	781.43	278.05	503.38
3/8/1999	781.43	278.05	503.38
3/9/1999	781.43	278.05	503.38
3/10/1999	781.43	278.05	503.38
3/11/1999	781.43	278.24	503.19

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
3/12/1999	781.43	278.24	503.19
3/13/1999	781.43	278.24	503.19
3/14/1999	781.43	278.54	502.89
3/15/1999	781.43	278.74	502.69
3/16/1999	781.43	278.83	502.60
3/17/1999	781.43	278.83	502.60
3/18/1999	781.43	278.83	502.60
3/19/1999	781.43	278.83	502.60
3/20/1999	781.43	279.03	502.40
3/21/1999	781.43	278.93	502.50
3/22/1999	781.43	279.03	502.40
3/23/1999	781.43	279.13	502.30
3/24/1999	781.43	279.33	502.10
3/25/1999	781.43	279.33	502.10
3/26/1999	781.43	279.52	501.91
3/27/1999	781.43	279.62	501.81
3/28/1999	781.43	279.52	501.91
3/29/1999	781.43	279.62	501.81
3/30/1999	781.43	279.82	501.61
3/31/1999	781.43	279.82	501.61
4/1/1999	781.43	280.11	501.32
4/2/1999	781.43	280.21	501.22
4/3/1999	781.43	280.11	501.32
4/4/1999	781.43	280.31	501.12
4/5/1999	781.43	280.31	501.12
4/6/1999	781.43	280.31	501.12
4/7/1999	781.43	280.31	501.12
4/8/1999	781.43	280.31	501.12
4/9/1999	781.43	280.31	501.12
4/10/1999	781.43	280.31	501.12
4/11/1999	781.43	280.70	500.73
4/12/1999	781.43	280.90	500.53
4/13/1999	781.43	280.80	500.63
4/14/1999	781.43	280.90	500.53
4/15/1999	781.43	281.10	500.33
4/16/1999	781.43	281.10	500.33
4/17/1999	781.43	281.10	500.33
4/18/1999	781.43	281.10	500.33

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
4/19/1999	781.43	281.20	500.23
4/20/1999	781.43	281.39	500.04
4/21/1999	781.43	281.59	499.84
4/22/1999	781.43	281.59	499.84
4/23/1999	781.43	281.88	499.55
4/24/1999	781.43	281.79	499.64
4/25/1999	781.43	281.69	499.74
4/26/1999	781.43	281.79	499.64
4/27/1999	781.43	281.88	499.55
4/28/1999	781.43	282.18	499.25
4/29/1999	781.43	282.38	499.05
4/30/1999	781.43	282.38	499.05
5/1/1999	781.43	282.28	499.15
5/2/1999	781.43	282.38	499.05
5/3/1999	781.43	282.38	499.05
5/4/1999	781.43	282.67	498.76
5/5/1999	781.43	282.67	498.76
5/6/1999	781.43	282.67	498.76
5/7/1999	781.43	282.77	498.66
5/8/1999	781.43	282.97	498.46
5/9/1999	781.43	282.97	498.46
5/10/1999	781.43	283.16	498.27
5/11/1999	781.43	283.16	498.27
5/12/1999	781.43	283.26	498.17
5/13/1999	781.43	283.46	497.97
5/14/1999	781.43	283.46	497.97
5/15/1999	781.43	283.46	497.97
5/16/1999	781.43	283.66	497.77
5/17/1999	781.43	283.66	497.77
5/18/1999	781.43	283.85	497.58
5/19/1999	781.43	283.95	497.48
5/20/1999	781.43	283.95	497.48
5/21/1999	781.43	284.15	497.28
5/22/1999	781.43	284.25	497.18
5/23/1999	781.43	284.25	497.18
5/24/1999	781.43	284.25	497.18
5/25/1999	781.43	284.44	496.99
5/26/1999	781.43	284.44	496.99

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
5/27/1999	781.43	284.64	496.79
5/28/1999	781.43	284.74	496.69
5/29/1999	781.43	285.03	496.40
5/30/1999	781.43	285.03	496.40
5/31/1999	781.43	285.03	496.40
6/1/1999	781.43	285.23	496.20
6/2/1999	781.43	285.33	496.10
6/3/1999	781.43	285.53	495.90
6/4/1999	781.43	285.53	495.90
6/5/1999	781.43	285.62	495.81
6/6/1999	781.43	285.72	495.71
6/7/1999	781.43	285.92	495.51
6/8/1999	781.43	286.02	495.41
6/9/1999	781.43	286.12	495.31
6/10/1999	781.43	286.31	495.12
6/11/1999	781.43	286.41	495.02
6/12/1999	781.43	286.51	494.92
6/13/1999	781.43	286.51	494.92
6/14/1999	781.43	286.80	494.63
6/15/1999	781.43	287.00	494.43
6/16/1999	781.43	287.10	494.33
6/17/1999	781.43	287.10	494.33
6/18/1999	781.43	287.30	494.13
6/19/1999	781.43	287.30	494.13
6/20/1999	781.43	287.59	493.84
6/21/1999	781.43	287.59	493.84
6/22/1999	781.43	287.79	493.64
6/23/1999	781.43	287.89	493.54
6/24/1999	781.43	288.08	493.35
6/25/1999	781.43	288.08	493.35
6/26/1999	781.43	288.38	493.05
6/27/1999	781.43	288.38	493.05
6/28/1999	781.43	288.38	493.05
6/29/1999	781.43	288.58	492.85
6/30/1999	781.43	288.58	492.85
7/1/1999	781.43	288.87	492.56
7/2/1999	781.43	288.97	492.46
7/3/1999	781.43	289.17	492.26

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
7/4/1999	781.43	289.17	492.26
7/5/1999	781.43	289.36	492.07
7/6/1999	781.43	289.36	492.07
7/7/1999	781.43	289.46	491.97
7/8/1999	781.43	289.56	491.87
7/9/1999	781.43	289.66	491.77
7/10/1999	781.43	289.66	491.77
7/11/1999	781.43	289.85	491.58
7/12/1999	781.43	290.05	491.38
7/13/1999	781.43	290.15	491.28
7/14/1999	781.43	290.45	490.98
7/15/1999	781.43	290.45	490.98
7/16/1999	781.43	290.45	490.98
7/17/1999	781.43	290.45	490.98
7/18/1999	781.43	290.64	490.79
7/19/1999	781.43	290.64	490.79
7/20/1999	781.43	290.74	490.69
7/21/1999	781.43	290.94	490.49
7/22/1999	781.43	291.04	490.39
7/23/1999	781.43	291.23	490.20
7/24/1999	781.43	291.23	490.20
7/25/1999	781.43	291.43	490.00
7/26/1999	781.43	291.53	489.90
7/27/1999	781.43	291.72	489.71
7/28/1999	781.43	291.72	489.71
7/29/1999	781.43	291.82	489.61
7/30/1999	781.43	291.92	489.51
7/31/1999	781.43	292.22	489.21
8/1/1999	781.43	292.22	489.21
8/2/1999	781.43	292.31	489.12
8/3/1999	781.43	292.51	488.92
8/4/1999	781.43	292.51	488.92
8/5/1999	781.43	292.71	488.72
8/6/1999	781.43	292.71	488.72
8/7/1999	781.43	292.81	488.62
8/8/1999	781.43	293.00	488.43
8/9/1999	781.43	293.10	488.33
8/10/1999	781.43	293.30	488.13

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
8/11/1999	781.43	293.30	488.13
8/12/1999	781.43	293.50	487.93
8/13/1999	781.43	293.50	487.93
8/14/1999	781.43	293.69	487.74
8/15/1999	781.43	293.79	487.64
8/16/1999	781.43	293.79	487.64
8/17/1999	781.43	293.79	487.64
8/18/1999	781.43	293.99	487.44
8/19/1999	781.43	294.09	487.34
8/20/1999	781.43	294.28	487.15
8/21/1999	781.43	294.28	487.15
8/22/1999	781.43	294.58	486.85
8/23/1999	781.43	294.58	486.85
8/24/1999	781.43	294.77	486.66
9/1/1999	781.43	295.56	485.87
9/2/1999	781.43	295.75	485.68
9/3/1999	781.43	295.75	485.68
9/4/1999	781.43	295.75	485.68
9/5/1999	781.43	296.05	485.38
9/6/1999	781.43	296.05	485.38
9/7/1999	781.43	296.24	485.19
9/8/1999	781.43	296.24	485.19
9/9/1999	781.43	296.24	485.19
9/10/1999	781.43	296.54	484.89
9/11/1999	781.43	296.54	484.89
9/12/1999	781.43	296.54	484.89
9/13/1999	781.43	296.54	484.89
9/14/1999	781.43	296.83	484.60
9/15/1999	781.43	297.03	484.40
9/16/1999	781.43	297.03	484.40
9/17/1999	781.43	297.03	484.40
9/18/1999	781.43	297.03	484.40
9/19/1999	781.43	297.33	484.10
9/20/1999	781.43	297.33	484.10
9/21/1999	781.43	297.33	484.10
9/22/1999	781.43	297.42	484.01
9/23/1999	781.43	297.62	483.81
9/24/1999	781.43	297.62	483.81

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
9/25/1999	781.43	297.62	483.81
9/26/1999	781.43	297.82	483.61
9/27/1999	781.43	297.82	483.61
9/28/1999	781.43	298.11	483.32
9/29/1999	781.43	298.11	483.32
9/30/1999	781.43	298.11	483.32
10/1/1999	781.43	298.31	483.12
10/2/1999	781.43	298.31	483.12
10/3/1999	781.43	298.31	483.12
10/4/1999	781.43	298.31	483.12
10/5/1999	781.43	298.51	482.92
10/6/1999	781.43	298.61	482.82
10/7/1999	781.43	298.61	482.82
10/8/1999	781.43	298.90	482.53
10/9/1999	781.43	298.90	482.53
10/10/1999	781.43	298.90	482.53
10/11/1999	781.43	299.00	482.43
10/12/1999	781.43	299.10	482.33
10/13/1999	781.43	299.10	482.33
10/14/1999	781.43	299.29	482.14
10/15/1999	781.43	299.39	482.04
10/16/1999	781.43	299.39	482.04
10/17/1999	781.43	299.39	482.04
10/18/1999	781.43	299.39	482.04
10/19/1999	781.43	299.69	481.74
10/20/1999	781.43	299.69	481.74
10/21/1999	781.43	299.69	481.74
10/22/1999	781.43	299.88	481.55
10/23/1999	781.43	299.88	481.55
10/24/1999	781.43	299.98	481.45
10/25/1999	781.43	300.08	481.35
10/26/1999	781.43	300.18	481.25
10/27/1999	781.43	300.18	481.25
10/28/1999	781.43	300.18	481.25
10/29/1999	781.43	300.38	481.05
10/30/1999	781.43	300.38	481.05
10/31/1999	781.43	300.48	480.95
11/1/1999	781.43	300.67	480.76

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
11/2/1999	781.43	300.67	480.76
11/3/1999	781.43	300.67	480.76
11/4/1999	781.43	300.97	480.46
11/5/1999	781.43	300.97	480.46
11/6/1999	781.43	300.97	480.46
11/7/1999	781.43	301.16	480.27
11/8/1999	781.43	301.16	480.27
11/9/1999	781.43	301.16	480.27
11/10/1999	781.43	301.46	479.97
11/11/1999	781.43	301.46	479.97
11/12/1999	781.43	301.56	479.87
11/13/1999	781.43	301.75	479.68
11/14/1999	781.43	301.75	479.68
11/15/1999	781.43	301.75	479.68
11/16/1999	781.43	301.95	479.48
11/17/1999	781.43	301.95	479.48
11/18/1999	781.43	302.05	479.38
11/19/1999	781.43	302.05	479.38
11/20/1999	781.43	302.05	479.38
11/21/1999	781.43	302.25	479.18
11/22/1999	781.43	302.25	479.18
11/23/1999	781.43	302.25	479.18
11/24/1999	781.43	302.25	479.18
11/25/1999	781.43	302.44	478.99
11/26/1999	781.43	302.64	478.79
11/27/1999	781.43	302.74	478.69
11/28/1999	781.43	302.74	478.69
11/29/1999	781.43	302.74	478.69
11/30/1999	781.43	302.74	478.69
12/1/1999	781.43	303.03	478.40
12/2/1999	781.43	303.13	478.30
12/3/1999	781.43	303.23	478.20
12/4/1999	781.43	303.23	478.20
12/5/1999	781.43	303.23	478.20
12/6/1999	781.43	303.43	478.00
12/7/1999	781.43	303.53	477.90
12/8/1999	781.43	303.72	477.71
12/9/1999	781.43	303.62	477.81

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
12/10/1999	781.43	303.82	477.61
12/11/1999	781.43	304.02	477.41
12/12/1999	781.43	303.92	477.51
12/13/1999	781.43	303.92	477.51
12/14/1999	781.43	304.02	477.41
12/15/1999	781.43	304.02	477.41
12/16/1999	781.43	304.31	477.12
12/17/1999	781.43	304.31	477.12
12/18/1999	781.43	304.51	476.92
12/19/1999	781.43	304.51	476.92
12/20/1999	781.43	304.71	476.72
12/21/1999	781.43	304.80	476.63
12/22/1999	781.43	304.80	476.63
12/23/1999	781.43	304.71	476.72
12/24/1999	781.43	304.80	476.63
12/25/1999	781.43	304.80	476.63
12/26/1999	781.43	305.10	476.33
12/27/1999	781.43	305.10	476.33
12/28/1999	781.43	305.10	476.33
12/29/1999	781.43	305.30	476.13
12/30/1999	781.43	305.59	475.84
12/31/1999	781.43	305.59	475.84
1/1/2000	781.43	305.59	475.84
1/2/2000	781.43	305.69	475.74
1/3/2000	781.43	305.59	475.84
1/4/2000	781.43	305.59	475.84
1/5/2000	781.43	305.89	475.54
1/6/2000	781.43	305.89	475.54
1/7/2000	781.43	305.89	475.54
1/8/2000	781.43	305.99	475.44
1/9/2000	781.43	306.08	475.35
1/10/2000	781.43	306.18	475.25
1/11/2000	781.43	306.38	475.05
1/12/2000	781.43	306.38	475.05
1/13/2000	781.43	306.38	475.05
1/14/2000	781.43	306.48	474.95
1/15/2000	781.43	306.58	474.85
1/16/2000	781.43	306.58	474.85

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
1/17/2000	781.43	306.77	474.66
1/18/2000	781.43	306.87	474.56
1/19/2000	781.43	306.87	474.56
1/20/2000	781.43	306.97	474.46
1/21/2000	781.43	307.17	474.26
1/22/2000	781.43	307.17	474.26
1/23/2000	781.43	307.26	474.17
1/24/2000	781.43	307.36	474.07
1/25/2000	781.43	307.36	474.07
1/26/2000	781.43	307.66	473.77
1/27/2000	781.43	307.56	473.87
1/28/2000	781.43	307.66	473.77
1/29/2000	781.43	307.66	473.77
1/30/2000	781.43	307.76	473.67
1/31/2000	781.43	307.76	473.67
2/1/2000	781.43	307.86	473.57
2/2/2000	781.43	307.95	473.48
2/3/2000	781.43	307.95	473.48
2/4/2000	781.43	308.15	473.28
2/5/2000	781.43	308.15	473.28
2/6/2000	781.43	308.15	473.28
2/7/2000	781.43	308.35	473.08
2/8/2000	781.43	308.45	472.98
2/9/2000	781.43	308.45	472.98
2/10/2000	781.43	308.64	472.79
2/11/2000	781.43	308.64	472.79
2/12/2000	781.43	308.84	472.59
2/13/2000	781.43	308.94	472.49
2/14/2000	781.43	308.94	472.49
2/15/2000	781.43	308.94	472.49
2/16/2000	781.43	309.23	472.20
2/17/2000	781.43	309.23	472.20
2/18/2000	781.43	309.23	472.20
2/19/2000	781.43	309.33	472.10
2/20/2000	781.43	309.43	472.00
2/21/2000	781.43	309.63	471.80
2/22/2000	781.43	309.43	472.00
2/23/2000	781.43	309.43	472.00

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
2/24/2000	781.43	309.72	471.71
2/25/2000	781.43	309.63	471.80
2/26/2000	781.43	309.43	472.00
2/27/2000	781.43	309.43	472.00
2/28/2000	781.43	309.72	471.71
2/29/2000	781.43	309.72	471.71
3/1/2000	781.43	309.72	471.71
3/2/2000	781.43	309.72	471.71
3/3/2000	781.43	309.82	471.61
3/4/2000	781.43	309.82	471.61
3/5/2000	781.43	310.02	471.41
3/6/2000	781.43	310.02	471.41
3/7/2000	781.43	309.92	471.51
3/8/2000	781.43	309.72	471.71
3/9/2000	781.43	309.43	472.00
3/10/2000	781.43	309.43	472.00
3/11/2000	781.43	309.43	472.00
3/12/2000	781.43	309.43	472.00
3/13/2000	781.43	309.53	471.90
3/14/2000	781.43	309.43	472.00
3/15/2000	781.43	309.43	472.00
3/15/2000	781.43	308.78	472.65
3/16/2000	781.43	309.43	472.00
3/17/2000	781.43	309.43	472.00
3/18/2000	781.43	309.23	472.20
3/19/2000	781.43	309.23	472.20
3/20/2000	781.43	309.43	472.00
3/21/2000	781.43	309.43	472.00
3/22/2000	781.43	309.23	472.20
3/23/2000	781.43	308.94	472.49
3/24/2000	781.43	308.94	472.49
3/25/2000	781.43	308.94	472.49
3/26/2000	781.43	308.84	472.59
3/27/2000	781.43	308.64	472.79
3/28/2000	781.43	308.94	472.49
3/29/2000	781.43	308.64	472.79
3/30/2000	781.43	308.64	472.79
3/31/2000	781.43	308.45	472.98

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
4/1/2000	781.43	308.45	472.98
4/2/2000	781.43	308.45	472.98
4/3/2000	781.43	308.25	473.18
4/4/2000	781.43	308.15	473.28
4/5/2000	781.43	308.15	473.28
4/6/2000	781.43	308.15	473.28
4/7/2000	781.43	307.95	473.48
4/8/2000	781.43	307.95	473.48
4/9/2000	781.43	307.95	473.48
4/10/2000	781.43	307.95	473.48
4/11/2000	781.43	307.95	473.48
4/12/2000	781.43	307.66	473.77
4/13/2000	781.43	307.66	473.77
4/14/2000	781.43	307.66	473.77
4/15/2000	781.43	307.66	473.77
4/16/2000	781.43	307.56	473.87
4/17/2000	781.43	307.36	474.07
4/18/2000	781.43	307.36	474.07
4/19/2000	781.43	307.17	474.26
4/20/2000	781.43	307.17	474.26
4/21/2000	781.43	307.17	474.26
4/22/2000	781.43	307.17	474.26
4/23/2000	781.43	306.87	474.56
4/24/2000	781.43	306.87	474.56
4/25/2000	781.43	306.87	474.56
4/26/2000	781.43	306.77	474.66
4/27/2000	781.43	306.77	474.66
4/28/2000	781.43	306.58	474.85
4/29/2000	781.43	306.58	474.85
4/30/2000	781.43	306.38	475.05
5/1/2000	781.43	306.38	475.05
5/2/2000	781.43	306.38	475.05
5/3/2000	781.43	306.38	475.05
5/4/2000	781.43	306.28	475.15
5/5/2000	781.43	306.08	475.35
5/6/2000	781.43	306.08	475.35
5/7/2000	781.43	305.89	475.54
5/8/2000	781.43	305.89	475.54

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
5/9/2000	781.43	305.89	475.54
5/10/2000	781.43	305.89	475.54
5/11/2000	781.43	305.59	475.84
5/12/2000	781.43	305.59	475.84
5/13/2000	781.43	305.30	476.13
5/14/2000	781.43	305.30	476.13
5/15/2000	781.43	305.30	476.13
5/16/2000	781.43	305.20	476.23
5/17/2000	781.43	305.10	476.33
5/18/2000	781.43	305.10	476.33
5/19/2000	781.43	304.80	476.63
5/20/2000	781.43	304.80	476.63
5/21/2000	781.43	304.80	476.63
5/22/2000	781.43	304.80	476.63
5/23/2000	781.43	304.61	476.82
5/24/2000	781.43	304.51	476.92
5/25/2000	781.43	304.51	476.92
5/26/2000	781.43	304.31	477.12
5/27/2000	781.43	304.31	477.12
5/28/2000	781.43	304.31	477.12
5/29/2000	781.43	304.21	477.22
5/30/2000	781.43	304.02	477.41
5/31/2000	781.43	304.02	477.41
6/1/2000	781.43	304.02	477.41
6/2/2000	781.43	303.82	477.61
6/3/2000	781.43	303.62	477.81
6/4/2000	781.43	303.53	477.90
6/5/2000	781.43	303.53	477.90
6/6/2000	781.43	303.53	477.90
6/7/2000	781.43	303.72	477.71
6/7/2000	781.43	302.62	478.81
6/8/2000	781.43	303.62	477.81
6/9/2000	781.43	303.53	477.90
6/10/2000	781.43	303.53	477.90
6/11/2000	781.43	303.53	477.90
6/12/2000	781.43	303.23	478.20
6/13/2000	781.43	303.23	478.20
6/14/2000	781.43	303.23	478.20

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
6/15/2000	781.43	303.23	478.20
6/16/2000	781.43	303.23	478.20
6/17/2000	781.43	303.23	478.20
6/18/2000	781.43	303.23	478.20
6/19/2000	781.43	303.03	478.40
6/20/2000	781.43	303.03	478.40
6/21/2000	781.43	303.03	478.40
6/22/2000	781.43	303.03	478.40
6/23/2000	781.43	303.03	478.40
6/24/2000	781.43	303.03	478.40
6/25/2000	781.43	302.74	478.69
6/26/2000	781.43	303.03	478.40
6/27/2000	781.43	303.03	478.40
6/28/2000	781.43	302.94	478.49
6/29/2000	781.43	302.74	478.69
6/30/2000	781.43	302.74	478.69
7/1/2000	781.43	302.74	478.69
7/2/2000	781.43	302.74	478.69
7/3/2000	781.43	302.74	478.69
7/4/2000	781.43	302.74	478.69
7/5/2000	781.43	302.74	478.69
7/6/2000	781.43	302.74	478.69
7/7/2000	781.43	302.74	478.69
7/8/2000	781.43	302.74	478.69
7/9/2000	781.43	302.74	478.69
7/10/2000	781.43	302.74	478.69
7/11/2000	781.43	302.74	478.69
7/12/2000	781.43	302.74	478.69
7/13/2000	781.43	302.64	478.79
7/14/2000	781.43	302.64	478.79
7/15/2000	781.43	302.64	478.79
7/16/2000	781.43	302.74	478.69
7/17/2000	781.43	302.74	478.69
7/18/2000	781.43	302.74	478.69
7/19/2000	781.43	302.74	478.69
7/20/2000	781.43	302.74	478.69
7/21/2000	781.43	302.74	478.69
7/22/2000	781.43	302.74	478.69

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
7/23/2000	781.43	302.74	478.69
7/24/2000	781.43	302.74	478.69
7/25/2000	781.43	302.74	478.69
7/26/2000	781.43	303.03	478.40
7/27/2000	781.43	303.03	478.40
7/28/2000	781.43	303.03	478.40
7/29/2000	781.43	303.03	478.40
7/30/2000	781.43	303.03	478.40
7/31/2000	781.43	303.03	478.40
8/1/2000	781.43	303.03	478.40
8/2/2000	781.43	303.03	478.40
8/3/2000	781.43	303.13	478.30
8/4/2000	781.43	303.13	478.30
8/5/2000	781.43	303.13	478.30
8/6/2000	781.43	303.23	478.20
8/7/2000	781.43	303.23	478.20
8/8/2000	781.43	303.23	478.20
8/9/2000	781.43	303.23	478.20
8/10/2000	781.43	303.23	478.20
8/11/2000	781.43	303.43	478.00
8/12/2000	781.43	303.53	477.90
8/13/2000	781.43	303.53	477.90
8/14/2000	781.43	303.53	477.90
8/15/2000	781.43	303.53	477.90
8/16/2000	781.43	303.53	477.90
8/17/2000	781.43	303.53	477.90
8/18/2000	781.43	303.53	477.90
8/19/2000	781.43	303.62	477.81
8/20/2000	781.43	303.62	477.81
8/21/2000	781.43	303.82	477.61
8/22/2000	781.43	303.82	477.61
8/23/2000	781.43	303.82	477.61
8/24/2000	781.43	303.82	477.61
8/25/2000	781.43	303.82	477.61
8/26/2000	781.43	303.92	477.51
8/27/2000	781.43	304.02	477.41
8/28/2000	781.43	304.02	477.41
8/29/2000	781.43	304.02	477.41

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
8/30/2000	781.43	304.02	477.41
8/31/2000	781.43	304.12	477.31
9/1/2000	781.43	304.02	477.41
9/2/2000	781.43	304.12	477.31
9/3/2000	781.43	304.12	477.31
9/4/2000	781.43	304.31	477.12
9/5/2000	781.43	304.31	477.12
9/6/2000	781.43	304.31	477.12
9/7/2000	781.43	304.51	476.92
9/8/2000	781.43	304.51	476.92
9/9/2000	781.43	304.61	476.82
9/10/2000	781.43	304.51	476.92
9/11/2000	781.43	304.51	476.92
9/12/2000	781.43	304.61	476.82
9/13/2000	781.43	304.71	476.72
9/14/2000	781.43	304.71	476.72
9/15/2000	781.43	304.51	476.92
9/16/2000	781.43	304.71	476.72
9/17/2000	781.43	304.80	476.63
9/18/2000	781.43	304.80	476.63
9/19/2000	781.43	304.80	476.63
9/19/2000	781.43	303.34	478.09
9/20/2000	781.43	304.51	476.92
9/21/2000	781.43	304.51	476.92
9/22/2000	781.43	304.51	476.92
9/23/2000	781.43	304.51	476.92
9/24/2000	781.43	304.31	477.12
9/25/2000	781.43	304.31	477.12
9/26/2000	781.43	304.31	477.12
9/27/2000	781.43	304.31	477.12
9/28/2000	781.43	304.31	477.12
9/29/2000	781.43	304.31	477.12
9/30/2000	781.43	304.31	477.12
10/1/2000	781.43	304.31	477.12
10/2/2000	781.43	304.31	477.12
10/3/2000	781.43	304.31	477.12
10/4/2000	781.43	304.31	477.12
10/5/2000	781.43	304.31	477.12

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
10/6/2000	781.43	304.31	477.12
10/7/2000	781.43	304.31	477.12
10/8/2000	781.43	304.21	477.22
10/9/2000	781.43	304.21	477.22
10/10/2000	781.43	304.31	477.12
10/11/2000	781.43	304.31	477.12
10/12/2000	781.43	304.02	477.41
10/13/2000	781.43	304.02	477.41
10/14/2000	781.43	304.02	477.41
10/15/2000	781.43	304.02	477.41
10/16/2000	781.43	304.02	477.41
10/17/2000	781.43	304.02	477.41
10/18/2000	781.43	304.02	477.41
10/19/2000	781.43	304.02	477.41
10/20/2000	781.43	304.02	477.41
10/21/2000	781.43	304.02	477.41
10/22/2000	781.43	304.21	477.22
10/23/2000	781.43	304.21	477.22
10/24/2000	781.43	304.02	477.41
10/25/2000	781.43	303.82	477.61
10/26/2000	781.43	303.92	477.51
10/27/2000	781.43	304.02	477.41
10/28/2000	781.43	303.92	477.51
10/29/2000	781.43	303.82	477.61
10/30/2000	781.43	303.82	477.61
10/31/2000	781.43	303.82	477.61
11/1/2000	781.43	303.82	477.61
11/2/2000	781.43	303.82	477.61
11/3/2000	781.43	303.82	477.61
11/4/2000	781.43	303.82	477.61
11/5/2000	781.43	303.82	477.61
11/6/2000	781.43	303.82	477.61
11/7/2000	781.43	303.82	477.61
11/8/2000	781.43	303.82	477.61
11/9/2000	781.43	303.82	477.61
11/10/2000	781.43	303.82	477.61
11/11/2000	781.43	303.62	477.81
11/12/2000	781.43	303.43	478.00

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
11/13/2000	781.43	303.23	478.20
11/14/2000	781.43	303.23	478.20
11/15/2000	781.43	303.23	478.20
11/16/2000	781.43	303.23	478.20
11/17/2000	781.43	303.23	478.20
12/18/2000	781.43	301.88	479.55
3/6/2001	781.43	300.34	481.09
6/14/2001	781.43	297.95	483.48
9/21/2001	781.43	300.38	481.05
12/10/2001	781.43	302.52	478.91
3/8/2002	781.43	300.61	480.82
6/10/2002	781.43	298.88	482.55
9/9/2002	781.43	304.18	477.25
12/10/2002	781.43	310.54	470.89
3/19/2003	781.43	312.79	468.64
6/3/2003	781.43	309.37	472.06
3/15/2005	781.43	313.01	468.42
5/13/2006	781.43	286	495.43
7/7/2006	781.43	284.85	496.58
10/3/2006	781.43	283.99	497.44
10/14/2006	781.43	284.1	497.30
12/20/2006	781.43	285.7	495.73
3/14/2007	781.43	287.11	494.32
6/20/2007	781.43	289.95	491.48
9/19/2007	781.43	293.57	487.86
12/12/2007	781.43	294.54	486.89
4Q10	781.43	291.01	490.42
NH-C16-390			
12/15/2009	777.33	289.80	487.53
12/13/2010	777.33	283.88	493.45
NH-C22-360			
12/15/2009	802.34	313.96	488.38
12/13/2010	802.34	306.85	495.49
NH-C05-320			
14-Jan-91	772.39	283.09	489.3

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
15-Feb-91	772.39	293.05	479.34
14-Mar-91	772.39	307.85	464.54
18-Apr-91	772.39	290.85	481.54
17-May-91	772.39	304.15	468.24
13-Jun-91	772.39	308.75	463.64
16-Jul-91	772.39	312.45	459.94
14-Aug-91	772.39	314.75	457.64
11-Sep-91	772.39	316.75	455.64
10-Oct-91	772.39	311.35	461.04
14-Nov-91	772.39	314.35	458.04
05-Dec-91	772.39	305.95	466.44
23-Jan-92	772.39	292.65	479.74
20-Feb-92	772.39	294.05	478.34
18-Mar-92	772.39	303.45	468.94
28-Apr-92	772.39	307.25	465.14
28-Apr-92	772.39	305.85	466.54
29-May-92	772.39	306.05	466.34
30-Jun-92	772.39	308.05	464.34
21-Jul-92	772.39	307.75	464.64
18-Nov-92	772.39	317.19	455.2
21-Dec-92	772.39	307.89	464.5
21-Jan-93	772.39	296.89	475.5
24-Feb-93	772.39	290.29	482.1
24-Mar-93	772.39	285.89	486.5
20-Apr-93	772.39	281.79	490.6
20-May-93	772.39	277.39	495
22-Jun-93	772.39	272.79	499.6
19-Jul-93	772.39	268.39	504
20-Aug-93	772.39	263.89	508.5
20-Sep-93	772.39	262.39	510
28-Oct-93	772.39	254.89	517.5
22-Nov-93	772.39	258.29	514.1
15-Dec-93	772.39	256.29	516.1
20-Apr-94	772.39	255.39	517
25-May-94	772.39	251.29	521.1
21-Jun-94	772.39	248.89	523.5
18-Jul-94	772.39	247.99	524.4
22-Aug-94	772.39	263.49	508.9

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
28-Sep-94	772.39	279.99	492.4
28-Oct-94	772.39	289.99	482.4
30-Nov-94	772.39	280.69	491.7
15-Dec-94	772.39	275.99	496.4
20-Jan-95	772.39	268.89	503.5
21-Feb-95	772.39	276.49	495.9
27-Mar-95	772.39	278.59	493.8
26-Apr-95	772.39	272.29	500.1
24-May-95	772.39	264.09	508.3
19-Jun-95	772.39	258.29	514.1
19-Jul-95	772.39	253.69	518.7
18-Aug-95	772.39	258.39	514
28-Sep-95	772.39	254.39	518
26-Oct-95	772.39	248.49	523.9
22-Feb-96	772.39	255.79	516.6
17-Sep-96	772.39	270.69	501.7
02-Apr-98	772.39	288.41	483.98
03-Apr-98	772.39	288.41	483.98
04-Apr-98	772.39	288.21	484.18
05-Apr-98	772.39	287.92	484.47
06-Apr-98	772.39	287.82	484.57
07-Apr-98	772.39	287.43	484.96
08-Apr-98	772.39	287.23	485.16
09-Apr-98	772.39	286.84	485.55
10-Apr-98	772.39	286.84	485.55
11-Apr-98	772.39	286.64	485.75
12-Apr-98	772.39	286.54	485.85
13-Apr-98	772.39	286.05	486.34
14-Apr-98	772.39	285.85	486.54
15-Apr-98	772.39	285.66	486.73
16-Apr-98	772.39	285.46	486.93
17-Apr-98	772.39	285.07	487.32
18-Apr-98	772.39	284.87	487.52
19-Apr-98	772.39	284.77	487.62
20-Apr-98	772.39	284.48	487.91
21-Apr-98	772.39	284.28	488.11
22-Apr-98	772.39	284.18	488.21
23-Apr-98	772.39	283.98	488.41

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
24-Apr-98	772.39	283.69	488.7
25-Apr-98	772.39	283.69	488.7
26-Apr-98	772.39	283.39	489
27-Apr-98	772.39	283.2	489.19
28-Apr-98	772.39	283.2	489.19
29-Apr-98	772.39	283	489.39
30-Apr-98	772.39	282.9	489.49
01-May-98	772.39	282.61	489.78
02-May-98	772.39	282.41	489.98
03-May-98	772.39	282.41	489.98
04-May-98	772.39	282.11	490.28
05-May-98	772.39	281.82	490.57
06-May-98	772.39	281.72	490.67
07-May-98	772.39	281.62	490.77
08-May-98	772.39	281.33	491.06
09-May-98	772.39	281.03	491.36
10-May-98	772.39	280.93	491.46
11-May-98	772.39	280.83	491.56
12-May-98	772.39	280.64	491.75
13-May-98	772.39	280.54	491.85
14-May-98	772.39	280.24	492.15
15-May-98	772.39	279.85	492.54
16-May-98	772.39	279.75	492.64
17-May-98	772.39	279.46	492.93
18-May-98	772.39	279.46	492.93
19-May-98	772.39	279.26	493.13
20-May-98	772.39	278.97	493.42
21-May-98	772.39	278.67	493.72
22-May-98	772.39	278.57	493.82
23-May-98	772.39	278.37	494.02
24-May-98	772.39	278.18	494.21
25-May-98	772.39	277.98	494.41
26-May-98	772.39	277.88	494.51
27-May-98	772.39	277.59	494.8
28-May-98	772.39	277.39	495
29-May-98	772.39	277.1	495.29
30-May-98	772.39	276.9	495.49
31-May-98	772.39	276.8	495.59

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
01-Jun-98	772.39	276.6	495.79
02-Jun-98	772.39	276.31	496.08
03-Jun-98	772.39	276.21	496.18
04-Jun-98	772.39	276.01	496.38
05-Jun-98	772.39	276.01	496.38
06-Jun-98	772.39	275.82	496.57
07-Jun-98	772.39	275.82	496.57
08-Jun-98	772.39	275.52	496.87
09-Jun-98	772.39	275.52	496.87
10-Jun-98	772.39	275.23	497.16
11-Jun-98	772.39	275.23	497.16
12-Jun-98	772.39	275.03	497.36
13-Jun-98	772.39	274.83	497.56
14-Jun-98	772.39	274.73	497.66
15-Jun-98	772.39	274.64	497.75
16-Jun-98	772.39	274.44	497.95
17-Jun-98	772.39	274.44	497.95
18-Jun-98	772.39	274.24	498.15
19-Jun-98	772.39	274.24	498.15
20-Jun-98	772.39	273.95	498.44
21-Jun-98	772.39	273.95	498.44
22-Jun-98	772.39	274.06	498.33
22-Jun-98	772.39	273.65	498.74
23-Jun-98	772.39	273.65	498.74
24-Jun-98	772.39	273.65	498.74
25-Jun-98	772.39	273.45	498.94
26-Jun-98	772.39	273.45	498.94
27-Jun-98	772.39	273.26	499.13
28-Jun-98	772.39	273.16	499.23
29-Jun-98	772.39	273.06	499.33
30-Jun-98	772.39	272.86	499.53
01-Jul-98	772.39	272.86	499.53
02-Jul-98	772.39	272.77	499.62
03-Jul-98	772.39	272.67	499.72
04-Jul-98	772.39	272.57	499.82
05-Jul-98	772.39	272.37	500.02
06-Jul-98	772.39	272.08	500.31
07-Jul-98	772.39	273.16	499.23

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
08-Jul-98	772.39	273.45	498.94
09-Jul-98	772.39	273.65	498.74
10-Jul-98	772.39	274.14	498.25
11-Jul-98	772.39	274.24	498.15
12-Jul-98	772.39	274.64	497.75
13-Jul-98	772.39	274.83	497.56
14-Jul-98	772.39	275.03	497.36
15-Jul-98	772.39	275.42	496.97
16-Jul-98	772.39	275.82	496.57
17-Jul-98	772.39	276.01	496.38
18-Jul-98	772.39	276.21	496.18
19-Jul-98	772.39	276.51	495.88
20-Jul-98	772.39	276.6	495.79
21-Jul-98	772.39	276.8	495.59
22-Jul-98	772.39	277.1	495.29
23-Jul-98	772.39	277.1	495.29
24-Jul-98	772.39	277.29	495.1
25-Jul-98	772.39	277.39	495
26-Jul-98	772.39	277.59	494.8
27-Jul-98	772.39	277.59	494.8
28-Jul-98	772.39	277.88	494.51
29-Jul-98	772.39	278.18	494.21
30-Jul-98	772.39	278.18	494.21
31-Jul-98	772.39	278.37	494.02
01-Aug-98	772.39	278.37	494.02
02-Aug-98	772.39	278.37	494.02
03-Aug-98	772.39	278.67	493.72
04-Aug-98	772.39	278.97	493.42
05-Aug-98	772.39	278.97	493.42
06-Aug-98	772.39	278.97	493.42
07-Aug-98	772.39	279.26	493.13
08-Aug-98	772.39	279.26	493.13
09-Aug-98	772.39	279.46	492.93
10-Aug-98	772.39	279.46	492.93
11-Aug-98	772.39	279.46	492.93
12-Aug-98	772.39	279.75	492.64
13-Aug-98	772.39	279.75	492.64
14-Aug-98	772.39	279.85	492.54

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
15-Aug-98	772.39	280.05	492.34
16-Aug-98	772.39	280.05	492.34
17-Aug-98	772.39	280.24	492.15
18-Aug-98	772.39	280.24	492.15
19-Aug-98	772.39	280.24	492.15
20-Aug-98	772.39	279.75	492.64
21-Aug-98	772.39	279.26	493.13
22-Aug-98	772.39	279.26	493.13
23-Aug-98	772.39	278.97	493.42
24-Aug-98	772.39	278.67	493.72
25-Aug-98	772.39	278.37	494.02
26-Aug-98	772.39	278.18	494.21
27-Aug-98	772.39	277.88	494.51
28-Aug-98	772.39	277.59	494.8
29-Aug-98	772.39	277.39	495
30-Aug-98	772.39	277.29	495.1
31-Aug-98	772.39	277.1	495.29
01-Sep-98	772.39	276.8	495.59
02-Sep-98	772.39	276.6	495.79
03-Sep-98	772.39	276.6	495.79
04-Sep-98	772.39	276.31	496.08
05-Sep-98	772.39	276.01	496.38
06-Sep-98	772.39	275.82	496.57
07-Sep-98	772.39	275.52	496.87
08-Sep-98	772.39	275.23	497.16
09-Sep-98	772.39	275.23	497.16
10-Sep-98	772.39	275.03	497.36
11-Sep-98	772.39	274.73	497.66
12-Sep-98	772.39	274.73	497.66
13-Sep-98	772.39	274.44	497.95
14-Sep-98	772.39	274.24	498.15
15-Sep-98	772.39	274.24	498.15
16-Sep-98	772.39	273.95	498.44
17-Sep-98	772.39	273.75	498.64
18-Sep-98	772.39	273.65	498.74
19-Sep-98	772.39	273.65	498.74
20-Sep-98	772.39	273.45	498.94
21-Sep-98	772.39	273.26	499.13

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
22-Sep-98	772.39	273.16	499.23
23-Sep-98	772.39	272.86	499.53
24-Sep-98	772.39	272.86	499.53
25-Sep-98	772.39	272.67	499.72
26-Sep-98	772.39	272.67	499.72
27-Sep-98	772.39	272.47	499.92
28-Sep-98	772.39	272.37	500.02
29-Sep-98	772.39	272.37	500.02
30-Sep-98	772.39	272.08	500.31
01-Oct-98	772.39	272.08	500.31
02-Oct-98	772.39	271.98	500.41
03-Oct-98	772.39	271.78	500.61
04-Oct-98	772.39	271.78	500.61
05-Oct-98	772.39	271.59	500.8
06-Oct-98	772.39	271.59	500.8
07-Oct-98	772.39	271.49	500.9
08-Oct-98	772.39	271.39	501
09-Oct-98	772.39	271.19	501.2
10-Oct-98	772.39	271.29	501.1
11-Oct-98	772.39	271.09	501.3
12-Oct-98	772.39	270.99	501.4
13-Oct-98	772.39	270.99	501.4
14-Oct-98	772.39	270.99	501.4
15-Oct-98	772.39	270.99	501.4
16-Oct-98	772.39	270.99	501.4
17-Oct-98	772.39	270.8	501.59
18-Oct-98	772.39	270.8	501.59
19-Oct-98	772.39	270.8	501.59
20-Oct-98	772.39	270.8	501.59
21-Oct-98	772.39	270.8	501.59
22-Oct-98	772.39	270.5	501.89
23-Oct-98	772.39	270.5	501.89
24-Oct-98	772.39	270.5	501.89
25-Oct-98	772.39	270.5	501.89
26-Oct-98	772.39	270.5	501.89
27-Oct-98	772.39	270.5	501.89
28-Oct-98	772.39	270.21	502.18
29-Oct-98	772.39	270.31	502.08

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
30-Oct-98	772.39	270.4	501.99
31-Oct-98	772.39	270.21	502.18
01-Nov-98	772.39	270.21	502.18
02-Nov-98	772.39	270.21	502.18
03-Nov-98	772.39	270.21	502.18
04-Nov-98	772.39	270.21	502.18
05-Nov-98	772.39	270.21	502.18
06-Nov-98	772.39	270.01	502.38
07-Nov-98	772.39	270.01	502.38
08-Nov-98	772.39	270.01	502.38
09-Nov-98	772.39	270.01	502.38
10-Nov-98	772.39	270.01	502.38
11-Nov-98	772.39	270.01	502.38
12-Nov-98	772.39	269.91	502.48
13-Nov-98	772.39	269.72	502.67
14-Nov-98	772.39	269.72	502.67
15-Nov-98	772.39	269.72	502.67
16-Nov-98	772.39	269.72	502.67
17-Nov-98	772.39	269.72	502.67
18-Nov-98	772.39	269.72	502.67
19-Nov-98	772.39	269.52	502.87
20-Nov-98	772.39	269.42	502.97
21-Nov-98	772.39	269.42	502.97
22-Nov-98	772.39	269.32	503.07
23-Nov-98	772.39	269.22	503.17
24-Nov-98	772.39	269.13	503.26
25-Nov-98	772.39	268.93	503.46
26-Nov-98	772.39	268.93	503.46
27-Nov-98	772.39	268.93	503.46
28-Nov-98	772.39	268.93	503.46
29-Nov-98	772.39	268.83	503.56
30-Nov-98	772.39	268.63	503.76
01-Dec-98	772.39	268.44	503.95
02-Dec-98	772.39	268.44	503.95
03-Dec-98	772.39	268.24	504.15
04-Dec-98	772.39	268.14	504.25
05-Dec-98	772.39	268.14	504.25
06-Dec-98	772.39	267.85	504.54

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
07-Dec-98	772.39	267.85	504.54
08-Dec-98	772.39	267.65	504.74
09-Dec-98	772.39	267.65	504.74
10-Dec-98	772.39	267.35	505.04
11-Dec-98	772.39	267.26	505.13
12-Dec-98	772.39	267.06	505.33
13-Dec-98	772.39	267.06	505.33
14-Dec-98	772.39	267.06	505.33
15-Dec-98	772.39	266.96	505.43
16-Dec-98	772.39	266.86	505.53
17-Dec-98	772.39	266.86	505.53
18-Dec-98	772.39	266.76	505.63
19-Dec-98	772.39	266.57	505.82
20-Dec-98	772.39	266.57	505.82
21-Dec-98	772.39	266.27	506.12
22-Dec-98	772.39	266.17	506.22
23-Dec-98	772.39	266.17	506.22
24-Dec-98	772.39	265.98	506.41
25-Dec-98	772.39	265.78	506.61
26-Dec-98	772.39	265.78	506.61
27-Dec-98	772.39	265.78	506.61
28-Dec-98	772.39	265.48	506.91
29-Dec-98	772.39	265.48	506.91
30-Dec-98	772.39	265.48	506.91
31-Dec-98	772.39	265.48	506.91
01-Jan-99	772.39	265.19	507.2
02-Jan-99	772.39	265.09	507.3
03-Jan-99	772.39	264.99	507.4
04-Jan-99	772.39	264.7	507.69
05-Jan-99	772.39	264.7	507.69
06-Jan-99	772.39	265.48	506.91
07-Jan-99	772.39	265.98	506.41
08-Jan-99	772.39	266.57	505.82
09-Jan-99	772.39	266.86	505.53
10-Jan-99	772.39	267.26	505.13
11-Jan-99	772.39	267.65	504.74
12-Jan-99	772.39	268.14	504.25
13-Jan-99	772.39	268.44	503.95

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
14-Jan-99	772.39	268.83	503.56
15-Jan-99	772.39	269.22	503.17
16-Jan-99	772.39	269.72	502.67
17-Jan-99	772.39	270.01	502.38
18-Jan-99	772.39	270.21	502.18
19-Jan-99	772.39	270.5	501.89
20-Jan-99	772.39	270.01	502.38
21-Jan-99	772.39	269.72	502.67
22-Jan-99	772.39	269.72	502.67
23-Jan-99	772.39	270.5	501.89
24-Jan-99	772.39	270.99	501.4
25-Jan-99	772.39	271.59	500.8
26-Jan-99	772.39	271.68	500.71
27-Jan-99	772.39	271.78	500.61
28-Jan-99	772.39	271.78	500.61
29-Jan-99	772.39	272.08	500.31
30-Jan-99	772.39	272.37	500.02
31-Jan-99	772.39	272.67	499.72
01-Feb-99	772.39	272.86	499.53
02-Feb-99	772.39	273.06	499.33
03-Feb-99	772.39	273.45	498.94
04-Feb-99	772.39	273.95	498.44
05-Feb-99	772.39	274.24	498.15
06-Feb-99	772.39	274.44	497.95
07-Feb-99	772.39	274.73	497.66
08-Feb-99	772.39	275.03	497.36
09-Feb-99	772.39	275.52	496.87
10-Feb-99	772.39	275.82	496.57
11-Feb-99	772.39	276.01	496.38
12-Feb-99	772.39	276.31	496.08
13-Feb-99	772.39	276.6	495.79
14-Feb-99	772.39	276.8	495.59
15-Feb-99	772.39	277.1	495.29
16-Feb-99	772.39	277.39	495
17-Feb-99	772.39	277.49	494.9
18-Feb-99	772.39	277.69	494.7
19-Feb-99	772.39	277.88	494.51
20-Feb-99	772.39	278.18	494.21

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
21-Feb-99	772.39	278.18	494.21
22-Feb-99	772.39	278.37	494.02
23-Feb-99	772.39	278.37	494.02
24-Feb-99	772.39	278.67	493.72
25-Feb-99	772.39	278.97	493.42
26-Feb-99	772.39	278.97	493.42
27-Feb-99	772.39	279.26	493.13
28-Feb-99	772.39	279.26	493.13
01-Mar-99	772.39	279.46	492.93
02-Mar-99	772.39	279.46	492.93
03-Mar-99	772.39	279.75	492.64
04-Mar-99	772.39	279.75	492.64
05-Mar-99	772.39	280.05	492.34
06-Mar-99	772.39	280.05	492.34
07-Mar-99	772.39	280.24	492.15
08-Mar-99	772.39	280.24	492.15
09-Mar-99	772.39	280.44	491.95
10-Mar-99	772.39	280.54	491.85
11-Mar-99	772.39	280.83	491.56
12-Mar-99	772.39	280.83	491.56
13-Mar-99	772.39	280.83	491.56
14-Mar-99	772.39	281.03	491.36
15-Mar-99	772.39	281.33	491.06
16-Mar-99	772.39	281.33	491.06
17-Mar-99	772.39	281.62	490.77
18-Mar-99	772.39	281.82	490.57
19-Mar-99	772.39	281.92	490.47
20-Mar-99	772.39	282.11	490.28
21-Mar-99	772.39	282.41	489.98
22-Mar-99	772.39	282.61	489.78
23-Mar-99	772.39	282.9	489.49
24-Mar-99	772.39	282.9	489.49
25-Mar-99	772.39	283.2	489.19
26-Mar-99	772.39	283.49	488.9
27-Mar-99	772.39	283.69	488.7
28-Mar-99	772.39	283.69	488.7
29-Mar-99	772.39	283.98	488.41
30-Mar-99	772.39	284.18	488.21

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
31-Mar-99	772.39	284.28	488.11
01-Apr-99	772.39	284.57	487.82
02-Apr-99	772.39	284.77	487.62
03-Apr-99	772.39	285.07	487.32
04-Apr-99	772.39	285.26	487.13
05-Apr-99	772.39	285.26	487.13
06-Apr-99	772.39	285.26	487.13
07-Apr-99	772.39	285.56	486.83
08-Apr-99	772.39	285.56	486.83
09-Apr-99	772.39	285.56	486.83
10-Apr-99	772.39	285.56	486.83
11-Apr-99	772.39	285.85	486.54
12-Apr-99	772.39	286.05	486.34
13-Apr-99	772.39	286.05	486.34
14-Apr-99	772.39	286.05	486.34
15-Apr-99	772.39	286.35	486.04
16-Apr-99	772.39	286.35	486.04
17-Apr-99	772.39	286.35	486.04
18-Apr-99	772.39	286.35	486.04
19-Apr-99	772.39	286.35	486.04
20-Apr-99	772.39	286.35	486.04
21-Apr-99	772.39	286.84	485.55
22-Apr-99	772.39	287.03	485.36
23-Apr-99	772.39	287.13	485.26
24-Apr-99	772.39	287.13	485.26
25-Apr-99	772.39	287.13	485.26
26-Apr-99	772.39	287.43	484.96
27-Apr-99	772.39	287.43	484.96
28-Apr-99	772.39	287.62	484.77
29-Apr-99	772.39	288.02	484.37
30-Apr-99	772.39	288.21	484.18
01-May-99	772.39	288.21	484.18
02-May-99	772.39	288.41	483.98
03-May-99	772.39	288.41	483.98
04-May-99	772.39	288.71	483.68
05-May-99	772.39	288.81	483.58
06-May-99	772.39	288.41	483.98
07-May-99	772.39	288.81	483.58

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
08-May-99	772.39	289	483.39
09-May-99	772.39	289.2	483.19
10-May-99	772.39	289.2	483.19
11-May-99	772.39	289.49	482.9
12-May-99	772.39	289.59	482.8
13-May-99	772.39	289.79	482.6
14-May-99	772.39	289.99	482.4
15-May-99	772.39	289.99	482.4
16-May-99	772.39	290.28	482.11
17-May-99	772.39	290.38	482.01
18-May-99	772.39	290.58	481.81
19-May-99	772.39	290.77	481.62
20-May-99	772.39	290.77	481.62
21-May-99	772.39	291.07	481.32
22-May-99	772.39	291.36	481.03
23-May-99	772.39	291.36	481.03
24-May-99	772.39	291.36	481.03
25-May-99	772.39	291.66	480.73
26-May-99	772.39	291.86	480.53
27-May-99	772.39	291.86	480.53
28-May-99	772.39	292.15	480.24
29-May-99	772.39	292.45	479.94
30-May-99	772.39	292.45	479.94
31-May-99	772.39	292.64	479.75
01-Jun-99	772.39	292.64	479.75
02-Jun-99	772.39	292.94	479.45
03-Jun-99	772.39	293.23	479.16
04-Jun-99	772.39	293.23	479.16
05-Jun-99	772.39	293.43	478.96
06-Jun-99	772.39	293.73	478.66
07-Jun-99	772.39	294.02	478.37
08-Jun-99	772.39	294.22	478.17
09-Jun-99	772.39	294.51	477.88
10-Jun-99	772.39	294.81	477.58
11-Jun-99	772.39	295	477.39
12-Jun-99	772.39	295.1	477.29
13-Jun-99	772.39	295.3	477.09
14-Jun-99	772.39	295.59	476.8

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
15-Jun-99	772.39	295.79	476.6
16-Jun-99	772.39	295.99	476.4
17-Jun-99	772.39	296.09	476.3
18-Jun-99	772.39	296.38	476.01
19-Jun-99	772.39	296.58	475.81
20-Jun-99	772.39	296.78	475.61
21-Jun-99	772.39	296.87	475.52
22-Jun-99	772.39	297.17	475.22
23-Jun-99	772.39	297.17	475.22
24-Jun-99	772.39	297.46	474.93
25-Jun-99	772.39	297.46	474.93
26-Jun-99	772.39	297.76	474.63
27-Jun-99	772.39	297.96	474.43
28-Jun-99	772.39	298.05	474.34
29-Jun-99	772.39	298.25	474.14
30-Jun-99	772.39	298.25	474.14
01-Jul-99	772.39	298.45	473.94
02-Jul-99	772.39	298.74	473.65
03-Jul-99	772.39	298.74	473.65
04-Jul-99	772.39	299.04	473.35
05-Jul-99	772.39	299.04	473.35
06-Jul-99	772.39	299.24	473.15
07-Jul-99	772.39	299.24	473.15
08-Jul-99	772.39	299.53	472.86
09-Jul-99	772.39	299.53	472.86
10-Jul-99	772.39	299.63	472.76
11-Jul-99	772.39	299.83	472.56
12-Jul-99	772.39	300.02	472.37
13-Jul-99	772.39	300.12	472.27
14-Jul-99	772.39	300.32	472.07
15-Jul-99	772.39	300.42	471.97
16-Jul-99	772.39	300.51	471.88
17-Jul-99	772.39	300.61	471.78
18-Jul-99	772.39	300.61	471.78
19-Jul-99	772.39	300.81	471.58
20-Jul-99	772.39	300.91	471.48
21-Jul-99	772.39	301.11	471.28
22-Jul-99	772.39	301.11	471.28

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
23-Jul-99	772.39	301.11	471.28
24-Jul-99	772.39	301.4	470.99
25-Jul-99	772.39	301.6	470.79
26-Jul-99	772.39	301.6	470.79
27-Jul-99	772.39	301.79	470.6
28-Jul-99	772.39	301.89	470.5
29-Jul-99	772.39	301.89	470.5
30-Jul-99	772.39	302.09	470.3
31-Jul-99	772.39	302.19	470.2
01-Aug-99	772.39	302.38	470.01
02-Aug-99	772.39	302.38	470.01
03-Aug-99	772.39	302.48	469.91
04-Aug-99	772.39	302.68	469.71
05-Aug-99	772.39	302.68	469.71
06-Aug-99	772.39	302.97	469.42
07-Aug-99	772.39	302.97	469.42
08-Aug-99	772.39	302.97	469.42
09-Aug-99	772.39	303.17	469.22
10-Aug-99	772.39	303.27	469.12
11-Aug-99	772.39	303.47	468.92
12-Aug-99	772.39	303.47	468.92
13-Aug-99	772.39	303.47	468.92
14-Aug-99	772.39	303.47	468.92
15-Aug-99	772.39	303.66	468.73
16-Aug-99	772.39	303.66	468.73
17-Aug-99	772.39	303.66	468.73
18-Aug-99	772.39	303.76	468.63
19-Aug-99	772.39	303.76	468.63
20-Aug-99	772.39	304.06	468.33
21-Aug-99	772.39	304.06	468.33
22-Aug-99	772.39	304.16	468.23
23-Aug-99	772.39	304.25	468.14
24-Aug-99	772.39	304.25	468.14
25-Aug-99	772.39	304.55	467.84
01-Sep-99	772.39	310.72	461.67
02-Sep-99	772.39	305.71	466.68
03-Sep-99	772.39	305.71	466.68
04-Sep-99	772.39	306	466.39

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
05-Sep-99	772.39	306	466.39
06-Sep-99	772.39	306.2	466.19
07-Sep-99	772.39	306.2	466.19
08-Sep-99	772.39	306.3	466.09
09-Sep-99	772.39	306.49	465.9
10-Sep-99	772.39	306.59	465.8
11-Sep-99	772.39	306.79	465.6
12-Sep-99	772.39	306.79	465.6
13-Sep-99	772.39	306.99	465.4
14-Sep-99	772.39	306.99	465.4
15-Sep-99	772.39	307.28	465.11
16-Sep-99	772.39	307.28	465.11
17-Sep-99	772.39	307.38	465.01
18-Sep-99	772.39	307.58	464.81
19-Sep-99	772.39	307.58	464.81
20-Sep-99	772.39	307.77	464.62
21-Sep-99	772.39	307.77	464.62
22-Sep-99	772.39	307.77	464.62
23-Sep-99	772.39	308.07	464.32
24-Sep-99	772.39	308.07	464.32
25-Sep-99	772.39	308.07	464.32
26-Sep-99	772.39	308.36	464.03
27-Sep-99	772.39	308.36	464.03
28-Sep-99	772.39	308.56	463.83
29-Sep-99	772.39	308.56	463.83
30-Sep-99	772.39	308.86	463.53
01-Oct-99	772.39	308.86	463.53
02-Oct-99	772.39	309.05	463.34
03-Oct-99	772.39	309.15	463.24
04-Oct-99	772.39	309.15	463.24
05-Oct-99	772.39	309.15	463.24
06-Oct-99	772.39	309.35	463.04
07-Oct-99	772.39	309.35	463.04
08-Oct-99	772.39	309.54	462.85
09-Oct-99	772.39	309.64	462.75
10-Oct-99	772.39	309.74	462.65
11-Oct-99	772.39	309.84	462.55
12-Oct-99	772.39	309.94	462.45

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
13-Oct-99	772.39	309.94	462.45
14-Oct-99	772.39	310.04	462.35
15-Oct-99	772.39	310.23	462.16
16-Oct-99	772.39	310.23	462.16
17-Oct-99	772.39	310.23	462.16
18-Oct-99	772.39	310.23	462.16
19-Oct-99	772.39	310.43	461.96
20-Oct-99	772.39	310.43	461.96
21-Oct-99	772.39	310.43	461.96
22-Oct-99	772.39	310.72	461.67
23-Oct-99	772.39	310.72	461.67
24-Oct-99	772.39	310.82	461.57
25-Oct-99	772.39	311.02	461.37
26-Oct-99	772.39	311.02	461.37
27-Oct-99	772.39	311.02	461.37
28-Oct-99	772.39	311.22	461.17
29-Oct-99	772.39	311.22	461.17
30-Oct-99	772.39	311.22	461.17
31-Oct-99	772.39	311.32	461.07
01-Nov-99	772.39	311.51	460.88
02-Nov-99	772.39	311.51	460.88
03-Nov-99	772.39	311.61	460.78
04-Nov-99	772.39	311.81	460.58
05-Nov-99	772.39	311.81	460.58
06-Nov-99	772.39	312	460.39
07-Nov-99	772.39	312	460.39
08-Nov-99	772.39	312	460.39
09-Nov-99	772.39	312.2	460.19
10-Nov-99	772.39	312.3	460.09
11-Nov-99	772.39	312.3	460.09
12-Nov-99	772.39	312.3	460.09
13-Nov-99	772.39	312.59	459.8
14-Nov-99	772.39	312.59	459.8
15-Nov-99	772.39	312.59	459.8
16-Nov-99	772.39	312.59	459.8
17-Nov-99	772.39	312.79	459.6
18-Nov-99	772.39	312.79	459.6
19-Nov-99	772.39	312.79	459.6

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
20-Nov-99	772.39	312.79	459.6
21-Nov-99	772.39	313.09	459.3
22-Nov-99	772.39	313.09	459.3
23-Nov-99	772.39	313.09	459.3
24-Nov-99	772.39	313.09	459.3
25-Nov-99	772.39	313.09	459.3
15-Mar-00	772.39	313.18	459.21
16-Mar-00	772.39	312.59	459.8
17-Mar-00	772.39	311.81	460.58
18-Mar-00	772.39	311.02	461.37
19-Mar-00	772.39	310.43	461.96
20-Mar-00	772.39	309.94	462.45
21-Mar-00	772.39	309.54	462.85
22-Mar-00	772.39	309.15	463.24
23-Mar-00	772.39	308.56	463.83
24-Mar-00	772.39	308.36	464.03
25-Mar-00	772.39	308.07	464.32
26-Mar-00	772.39	307.77	464.62
27-Mar-00	772.39	307.58	464.81
28-Mar-00	772.39	307.58	464.81
29-Mar-00	772.39	307.28	465.11
30-Mar-00	772.39	307.08	465.31
31-Mar-00	772.39	306.99	465.4
01-Apr-00	772.39	306.79	465.6
02-Apr-00	772.39	306.69	465.7
03-Apr-00	772.39	306.4	465.99
04-Apr-00	772.39	306.2	466.19
05-Apr-00	772.39	306	466.39
06-Apr-00	772.39	306	466.39
07-Apr-00	772.39	305.71	466.68
08-Apr-00	772.39	305.41	466.98
09-Apr-00	772.39	305.21	467.18
10-Apr-00	772.39	305.21	467.18
11-Apr-00	772.39	305.02	467.37
12-Apr-00	772.39	304.62	467.77
13-Apr-00	772.39	304.62	467.77
14-Apr-00	772.39	304.43	467.96
15-Apr-00	772.39	304.13	468.26

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
16-Apr-00	772.39	304.13	468.26
17-Apr-00	772.39	303.84	468.55
18-Apr-00	772.39	303.54	468.85
19-Apr-00	772.39	303.34	469.05
20-Apr-00	772.39	303.15	469.24
21-Apr-00	772.39	303.05	469.34
22-Apr-00	772.39	302.75	469.64
23-Apr-00	772.39	302.56	469.83
24-Apr-00	772.39	302.36	470.03
25-Apr-00	772.39	302.26	470.13
26-Apr-00	772.39	301.97	470.42
27-Apr-00	772.39	301.77	470.62
28-Apr-00	772.39	301.48	470.91
29-Apr-00	772.39	301.28	471.11
30-Apr-00	772.39	300.98	471.41
01-May-00	772.39	300.98	471.41
02-May-00	772.39	300.79	471.6
03-May-00	772.39	300.69	471.7
04-May-00	772.39	300.39	472
05-May-00	772.39	300.29	472.1
06-May-00	772.39	300.2	472.19
07-May-00	772.39	299.9	472.49
08-May-00	772.39	299.61	472.78
09-May-00	772.39	299.51	472.88
10-May-00	772.39	299.41	472.98
11-May-00	772.39	299.21	473.18
12-May-00	772.39	298.82	473.57
13-May-00	772.39	298.82	473.57
14-May-00	772.39	298.62	473.77
15-May-00	772.39	298.52	473.87
16-May-00	772.39	298.33	474.06
17-May-00	772.39	298.03	474.36
18-May-00	772.39	298.03	474.36
19-May-00	772.39	297.83	474.56
20-May-00	772.39	297.74	474.65
21-May-00	772.39	297.54	474.85
22-May-00	772.39	297.54	474.85
23-May-00	772.39	297.24	475.15

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
24-May-00	772.39	296.95	475.44
25-May-00	772.39	296.95	475.44
26-May-00	772.39	296.75	475.64
27-May-00	772.39	296.75	475.64
28-May-00	772.39	296.46	475.93
29-May-00	772.39	296.36	476.03
30-May-00	772.39	296.16	476.23
31-May-00	772.39	296.16	476.23
01-Jun-00	772.39	295.96	476.43
02-Jun-00	772.39	295.96	476.43
03-Jun-00	772.39	295.67	476.72
04-Jun-00	772.39	295.47	476.92
05-Jun-00	772.39	295.37	477.02
06-Jun-00	772.39	295.28	477.11
07-Jun-00	772.39	295.18	477.21
08-Jun-00	772.39	294.88	477.51
09-Jun-00	772.39	294.78	477.61
10-Jun-00	772.39	294.59	477.8
11-Jun-00	772.39	294.59	477.8
12-Jun-00	772.39	294.39	478
13-Jun-00	772.39	294.19	478.2
14-Jun-00	772.39	294.1	478.29
15-Jun-00	772.39	294.1	478.29
16-Jun-00	772.39	294.39	478
17-Jun-00	772.39	294.59	477.8
18-Jun-00	772.39	294.78	477.61
19-Jun-00	772.39	294.88	477.51
20-Jun-00	772.39	295.18	477.21
21-Jun-00	772.39	295.18	477.21
22-Jun-00	772.39	295.37	477.02
23-Jun-00	772.39	295.57	476.82
24-Jun-00	772.39	295.67	476.72
25-Jun-00	772.39	295.67	476.72
26-Jun-00	772.39	295.96	476.43
27-Jun-00	772.39	296.16	476.23
28-Jun-00	772.39	296.16	476.23
29-Jun-00	772.39	296.46	475.93
30-Jun-00	772.39	296.65	475.74

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
01-Jul-00	772.39	296.75	475.64
02-Jul-00	772.39	296.75	475.64
03-Jul-00	772.39	296.95	475.44
04-Jul-00	772.39	297.15	475.24
05-Jul-00	772.39	297.24	475.15
06-Jul-00	772.39	297.34	475.05
07-Jul-00	772.39	297.54	474.85
08-Jul-00	772.39	297.64	474.75
09-Jul-00	772.39	297.83	474.56
10-Jul-00	772.39	297.83	474.56
11-Jul-00	772.39	297.83	474.56
12-Jul-00	772.39	298.03	474.36
13-Jul-00	772.39	298.03	474.36
14-Jul-00	772.39	298.03	474.36
15-Jul-00	772.39	298.33	474.06
16-Jul-00	772.39	298.33	474.06
17-Jul-00	772.39	298.62	473.77
18-Jul-00	772.39	298.62	473.77
19-Jul-00	772.39	298.62	473.77
20-Jul-00	772.39	298.82	473.57
21-Jul-00	772.39	298.92	473.47
22-Jul-00	772.39	299.11	473.28
23-Jul-00	772.39	299.11	473.28
24-Jul-00	772.39	299.11	473.28
25-Jul-00	772.39	299.41	472.98
26-Jul-00	772.39	299.41	472.98
27-Jul-00	772.39	299.61	472.78
28-Jul-00	772.39	299.61	472.78
29-Jul-00	772.39	299.8	472.59
30-Jul-00	772.39	299.9	472.49
31-Jul-00	772.39	300	472.39
01-Aug-00	772.39	300.2	472.19
02-Aug-00	772.39	300.2	472.19
03-Aug-00	772.39	300.39	472
04-Aug-00	772.39	300.39	472
05-Aug-00	772.39	300.39	472
06-Aug-00	772.39	300.69	471.7
07-Aug-00	772.39	300.69	471.7

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
08-Aug-00	772.39	300.88	471.51
09-Aug-00	772.39	300.98	471.41
10-Aug-00	772.39	301.18	471.21
11-Aug-00	772.39	301.18	471.21
12-Aug-00	772.39	301.48	470.91
13-Aug-00	772.39	301.48	470.91
14-Aug-00	772.39	301.67	470.72
15-Aug-00	772.39	301.77	470.62
16-Aug-00	772.39	301.77	470.62
17-Aug-00	772.39	301.87	470.52
18-Aug-00	772.39	301.97	470.42
19-Aug-00	772.39	301.97	470.42
20-Aug-00	772.39	302.26	470.13
21-Aug-00	772.39	302.26	470.13
22-Aug-00	772.39	302.46	469.93
23-Aug-00	772.39	302.56	469.83
24-Aug-00	772.39	302.56	469.83
25-Aug-00	772.39	302.56	469.83
26-Aug-00	772.39	302.75	469.64
27-Aug-00	772.39	302.95	469.44
28-Aug-00	772.39	303.05	469.34
29-Aug-00	772.39	303.05	469.34
30-Aug-00	772.39	303.05	469.34
31-Aug-00	772.39	303.34	469.05
01-Sep-00	772.39	303.34	469.05
02-Sep-00	772.39	303.34	469.05
03-Sep-00	772.39	303.54	468.85
04-Sep-00	772.39	303.54	468.85
05-Sep-00	772.39	303.54	468.85
06-Sep-00	772.39	303.84	468.55
07-Sep-00	772.39	303.84	468.55
08-Sep-00	772.39	304.03	468.36
09-Sep-00	772.39	304.03	468.36
10-Sep-00	772.39	304.13	468.26
11-Sep-00	772.39	304.13	468.26
12-Sep-00	772.39	304.13	468.26
13-Sep-00	772.39	304.13	468.26
14-Sep-00	772.39	303.84	468.55

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
15-Sep-00	772.39	303.64	468.75
16-Sep-00	772.39	303.54	468.85
17-Sep-00	772.39	303.34	469.05
18-Sep-00	772.39	303.34	469.05
19-Sep-00	772.39	303.05	469.34
20-Sep-00	772.39	302.95	469.44
21-Sep-00	772.39	302.75	469.64
22-Sep-00	772.39	302.75	469.64
23-Sep-00	772.39	302.56	469.83
24-Sep-00	772.39	302.26	470.13
25-Sep-00	772.39	301.97	470.42
26-Sep-00	772.39	301.97	470.42
27-Sep-00	772.39	301.77	470.62
28-Sep-00	772.39	301.57	470.82
29-Sep-00	772.39	301.48	470.91
30-Sep-00	772.39	301.38	471.01
01-Oct-00	772.39	301.18	471.21
02-Oct-00	772.39	300.98	471.41
03-Oct-00	772.39	300.88	471.51
04-Oct-00	772.39	300.69	471.7
05-Oct-00	772.39	300.69	471.7
06-Oct-00	772.39	300.39	472
07-Oct-00	772.39	300.39	472
08-Oct-00	772.39	300.2	472.19
09-Oct-00	772.39	300.2	472.19
10-Oct-00	772.39	299.9	472.49
11-Oct-00	772.39	299.9	472.49
12-Oct-00	772.39	299.7	472.69
13-Oct-00	772.39	299.61	472.78
14-Oct-00	772.39	299.41	472.98
15-Oct-00	772.39	299.41	472.98
16-Oct-00	772.39	299.41	472.98
17-Oct-00	772.39	299.21	473.18
18-Oct-00	772.39	299.11	473.28
19-Oct-00	772.39	299.02	473.37
20-Oct-00	772.39	299.02	473.37
21-Oct-00	772.39	298.92	473.47
22-Oct-00	772.39	298.92	473.47

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
23-Oct-00	772.39	298.82	473.57
24-Oct-00	772.39	298.62	473.77
25-Oct-00	772.39	298.62	473.77
26-Oct-00	772.39	298.62	473.77
27-Oct-00	772.39	298.62	473.77
28-Oct-00	772.39	298.42	473.97
29-Oct-00	772.39	298.33	474.06
30-Oct-00	772.39	298.33	474.06
31-Oct-00	772.39	298.03	474.36
01-Nov-00	772.39	298.03	474.36
02-Nov-00	772.39	298.03	474.36
03-Nov-00	772.39	298.03	474.36
04-Nov-00	772.39	297.83	474.56
05-Nov-00	772.39	297.83	474.56
06-Nov-00	772.39	297.83	474.56
07-Nov-00	772.39	297.83	474.56
08-Nov-00	772.39	297.64	474.75
09-Nov-00	772.39	297.54	474.85
10-Nov-00	772.39	297.54	474.85
11-Nov-00	772.39	297.44	474.95
12-Nov-00	772.39	297.24	475.15
13-Nov-00	772.39	296.95	475.44
14-Nov-00	772.39	296.95	475.44
15-Nov-00	772.39	296.75	475.64
16-Nov-00	772.39	296.75	475.64
04-Dec-00	772.39	294.9	477.49
01-Jan-01	772.39	294.01	478.38
02-Jan-01	772.39	293.91	478.48
03-Jan-01	772.39	293.72	478.67
04-Jan-01	772.39	293.72	478.67
05-Jan-01	772.39	293.72	478.67
06-Jan-01	772.39	293.72	478.67
07-Jan-01	772.39	293.91	478.48
08-Jan-01	772.39	293.72	478.67
09-Jan-01	772.39	294.21	478.18
10-Jan-01	772.39	294.5	477.89
11-Jan-01	772.39	294.7	477.69
12-Jan-01	772.39	295	477.39

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
13-Jan-01	772.39	295	477.39
14-Jan-01	772.39	295.09	477.3
15-Jan-01	772.39	295.29	477.1
16-Jan-01	772.39	295.68	476.71
17-Jan-01	772.39	295.78	476.61
18-Jan-01	772.39	295.88	476.51
19-Jan-01	772.39	296.08	476.31
20-Jan-01	772.39	296.27	476.12
21-Jan-01	772.39	296.57	475.82
22-Jan-01	772.39	296.67	475.72
23-Jan-01	772.39	296.86	475.53
24-Jan-01	772.39	297.06	475.33
25-Jan-01	772.39	297.36	475.03
26-Jan-01	772.39	297.36	475.03
27-Jan-01	772.39	297.65	474.74
28-Jan-01	772.39	297.85	474.54
29-Jan-01	772.39	297.95	474.44
30-Jan-01	772.39	298.14	474.25
31-Jan-01	772.39	298.14	474.25
01-Feb-01	772.39	298.44	473.95
02-Feb-01	772.39	298.44	473.95
03-Feb-01	772.39	298.73	473.66
04-Feb-01	772.39	298.73	473.66
05-Feb-01	772.39	298.93	473.46
06-Feb-01	772.39	299.23	473.16
07-Feb-01	772.39	299.52	472.87
08-Feb-01	772.39	299.52	472.87
09-Feb-01	772.39	299.23	473.16
10-Feb-01	772.39	298.93	473.46
11-Feb-01	772.39	298.73	473.66
12-Feb-01	772.39	298.64	473.75
13-Feb-01	772.39	298.64	473.75
14-Feb-01	772.39	298.44	473.95
15-Feb-01	772.39	298.14	474.25
16-Feb-01	772.39	297.85	474.54
17-Feb-01	772.39	297.65	474.74
18-Feb-01	772.39	297.46	474.93
19-Feb-01	772.39	297.36	475.03

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
20-Feb-01	772.39	297.06	475.33
21-Feb-01	772.39	296.86	475.53
22-Feb-01	772.39	296.86	475.53
23-Feb-01	772.39	296.86	475.53
24-Feb-01	772.39	296.57	475.82
25-Feb-01	772.39	296.47	475.92
26-Feb-01	772.39	296.27	476.12
27-Feb-01	772.39	296.18	476.21
28-Feb-01	772.39	296.08	476.31
01-Mar-01	772.39	295.78	476.61
02-Mar-01	772.39	295.78	476.61
03-Mar-01	772.39	295.49	476.9
04-Mar-01	772.39	295.49	476.9
05-Mar-01	772.39	295.29	477.1
06-Mar-01	772.39	295.29	477.1
07-Mar-01	772.39	295	477.39
08-Mar-01	772.39	294.8	477.59
09-Mar-01	772.39	294.7	477.69
10-Mar-01	772.39	294.7	477.69
11-Mar-01	772.39	294.6	477.79
12-Mar-01	772.39	294.5	477.89
13-Mar-01	772.39	294.21	478.18
14-Mar-01	772.39	294.11	478.28
15-Mar-01	772.39	293.91	478.48
16-Mar-01	772.39	293.91	478.48
17-Mar-01	772.39	293.91	478.48
18-Mar-01	772.39	293.72	478.67
19-Mar-01	772.39	293.42	478.97
20-Mar-01	772.39	293.42	478.97
21-Mar-01	772.39	293.32	479.07
22-Mar-01	772.39	293.13	479.26
23-Mar-01	772.39	293.13	479.26
24-Mar-01	772.39	292.93	479.46
25-Mar-01	772.39	292.93	479.46
26-Mar-01	772.39	292.73	479.66
27-Mar-01	772.39	292.63	479.76
28-Mar-01	772.39	292.63	479.76
29-Mar-01	772.39	292.54	479.85

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
30-Mar-01	772.39	292.34	480.05
31-Mar-01	772.39	292.34	480.05
01-Apr-01	772.39	292.24	480.15
02-Apr-01	772.39	292.04	480.35
03-Apr-01	772.39	292.04	480.35
04-Apr-01	772.39	291.85	480.54
05-Apr-01	772.39	291.85	480.54
06-Apr-01	772.39	291.85	480.54
07-Apr-01	772.39	291.65	480.74
08-Apr-01	772.39	291.55	480.84
09-Apr-01	772.39	291.55	480.84
10-Apr-01	772.39	291.55	480.84
11-Apr-01	772.39	291.26	481.13
12-Apr-01	772.39	291.26	481.13
13-Apr-01	772.39	291.16	481.23
14-Apr-01	772.39	291.06	481.33
15-Apr-01	772.39	291.06	481.33
16-Apr-01	772.39	291.06	481.33
17-Apr-01	772.39	290.96	481.43
18-Apr-01	772.39	290.86	481.53
19-Apr-01	772.39	290.76	481.63
20-Apr-01	772.39	290.76	481.63
21-Apr-01	772.39	290.76	481.63
22-Apr-01	772.39	290.67	481.72
23-Apr-01	772.39	290.47	481.92
24-Apr-01	772.39	290.57	481.82
25-Apr-01	772.39	290.57	481.82
26-Apr-01	772.39	290.47	481.92
27-Apr-01	772.39	290.47	481.92
28-Apr-01	772.39	290.47	481.92
29-Apr-01	772.39	290.47	481.92
30-Apr-01	772.39	290.47	481.92
01-May-01	772.39	290.37	482.02
02-May-01	772.39	290.47	481.92
03-May-01	772.39	290.47	481.92
04-May-01	772.39	290.27	482.12
05-May-01	772.39	290.27	482.12
06-May-01	772.39	290.27	482.12

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
07-May-01	772.39	290.27	482.12
08-May-01	772.39	290.27	482.12
09-May-01	772.39	290.27	482.12
10-May-01	772.39	290.27	482.12
11-May-01	772.39	290.76	481.63
12-May-01	772.39	290.67	481.72
13-May-01	772.39	290.57	481.82
14-May-01	772.39	290.47	481.92
15-May-01	772.39	290.47	481.92
16-May-01	772.39	290.47	481.92
17-May-01	772.39	290.76	481.63
18-May-01	772.39	290.76	481.63
19-May-01	772.39	291.06	481.33
20-May-01	772.39	291.06	481.33
21-May-01	772.39	291.06	481.33
22-May-01	772.39	291.26	481.13
23-May-01	772.39	291.26	481.13
24-May-01	772.39	291.45	480.94
25-May-01	772.39	291.55	480.84
26-May-01	772.39	291.55	480.84
27-May-01	772.39	291.55	480.84
28-May-01	772.39	291.85	480.54
29-May-01	772.39	291.85	480.54
30-May-01	772.39	291.85	480.54
31-May-01	772.39	292.04	480.35
01-Jun-01	772.39	292.04	480.35
02-Jun-01	772.39	292.14	480.25
03-Jun-01	772.39	292.34	480.05
04-Jun-01	772.39	292.34	480.05
05-Jun-01	772.39	292.63	479.76
06-Jun-01	772.39	292.63	479.76
07-Jun-01	772.39	292.63	479.76
08-Jun-01	772.39	292.73	479.66
09-Jun-01	772.39	292.93	479.46
10-Jun-01	772.39	292.93	479.46
11-Jun-01	772.39	292.93	479.46
12-Jun-01	772.39	293.13	479.26
13-Jun-01	772.39	293.13	479.26

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
14-Jun-01	772.39	293.32	479.07
15-Jun-01	772.39	293.42	478.97
16-Jun-01	772.39	293.72	478.67
17-Jun-01	772.39	293.72	478.67
18-Jun-01	772.39	293.91	478.48
19-Jun-01	772.39	294.21	478.18
20-Jun-01	772.39	294.5	477.89
21-Jun-01	772.39	294.7	477.69
22-Jun-01	772.39	294.5	477.89
23-Jun-01	772.39	294.4	477.99
24-Jun-01	772.39	294.4	477.99
25-Jun-01	772.39	294.31	478.08
26-Jun-01	772.39	294.21	478.18
27-Jun-01	772.39	294.11	478.28
28-Jun-01	772.39	293.91	478.48
29-Jun-01	772.39	293.91	478.48
30-Jun-01	772.39	293.91	478.48
01-Jul-01	772.39	293.91	478.48
02-Jul-01	772.39	293.72	478.67
03-Jul-01	772.39	293.72	478.67
04-Jul-01	772.39	293.72	478.67
05-Jul-01	772.39	293.42	478.97
06-Jul-01	772.39	293.42	478.97
07-Jul-01	772.39	293.32	479.07
08-Jul-01	772.39	293.13	479.26
09-Jul-01	772.39	293.13	479.26
10-Jul-01	772.39	292.93	479.46
11-Jul-01	772.39	292.93	479.46
12-Jul-01	772.39	292.93	479.46
13-Jul-01	772.39	292.93	479.46
14-Jul-01	772.39	292.73	479.66
15-Jul-01	772.39	292.73	479.66
16-Jul-01	772.39	292.63	479.76
17-Jul-01	772.39	292.63	479.76
18-Jul-01	772.39	292.54	479.85
19-Jul-01	772.39	292.34	480.05
20-Jul-01	772.39	292.34	480.05
21-Jul-01	772.39	292.34	480.05

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
22-Jul-01	772.39	292.24	480.15
23-Jul-01	772.39	292.14	480.25
24-Jul-01	772.39	292.04	480.35
25-Jul-01	772.39	292.04	480.35
26-Jul-01	772.39	292.04	480.35
27-Jul-01	772.39	292.04	480.35
28-Jul-01	772.39	291.85	480.54
29-Jul-01	772.39	291.85	480.54
30-Jul-01	772.39	291.85	480.54
31-Jul-01	772.39	291.75	480.64
01-Aug-01	772.39	291.65	480.74
02-Aug-01	772.39	291.06	481.33
03-Aug-01	772.39	291.06	481.33
04-Aug-01	772.39	291.26	481.13
05-Aug-01	772.39	291.75	480.64
06-Aug-01	772.39	291.85	480.54
07-Aug-01	772.39	292.04	480.35
08-Aug-01	772.39	292.34	480.05
09-Aug-01	772.39	292.63	479.76
10-Aug-01	772.39	292.93	479.46
11-Aug-01	772.39	293.13	479.26
12-Aug-01	772.39	293.32	479.07
13-Aug-01	772.39	293.42	478.97
14-Aug-01	772.39	293.72	478.67
15-Aug-01	772.39	293.91	478.48
16-Aug-01	772.39	294.21	478.18
17-Aug-01	772.39	294.31	478.08
18-Aug-01	772.39	294.5	477.89
19-Aug-01	772.39	294.7	477.69
20-Aug-01	772.39	294.9	477.49
21-Aug-01	772.39	295	477.39
22-Aug-01	772.39	295.29	477.1
23-Aug-01	772.39	295.49	476.9
24-Aug-01	772.39	295.78	476.61
25-Aug-01	772.39	295.98	476.41
26-Aug-01	772.39	296.08	476.31
27-Aug-01	772.39	296.27	476.12
28-Aug-01	772.39	296.57	475.82

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
29-Aug-01	772.39	296.86	475.53
30-Aug-01	772.39	296.86	475.53
31-Aug-01	772.39	297.06	475.33
01-Sep-01	772.39	297.06	475.33
02-Sep-01	772.39	297.36	475.03
03-Sep-01	772.39	297.46	474.93
04-Sep-01	772.39	297.65	474.74
05-Sep-01	772.39	297.85	474.54
06-Sep-01	772.39	298.05	474.34
07-Sep-01	772.39	298.14	474.25
08-Sep-01	772.39	298.24	474.15
09-Sep-01	772.39	298.44	473.95
10-Sep-01	772.39	298.73	473.66
11-Sep-01	772.39	298.73	473.66
12-Sep-01	772.39	298.93	473.46
13-Sep-01	772.39	298.93	473.46
14-Sep-01	772.39	299.13	473.26
15-Sep-01	772.39	299.23	473.16
16-Sep-01	772.39	299.42	472.97
17-Sep-01	772.39	299.52	472.87
18-Sep-01	772.39	299.62	472.77
19-Sep-01	772.39	299.72	472.67
20-Sep-01	772.39	299.92	472.47
21-Sep-01	772.39	300.01	472.38
22-Sep-01	772.39	300.21	472.18
23-Sep-01	772.39	300.31	472.08
24-Sep-01	772.39	300.51	471.88
25-Sep-01	772.39	300.51	471.88
26-Sep-01	772.39	300.8	471.59
27-Sep-01	772.39	300.9	471.49
28-Sep-01	772.39	301.1	471.29
29-Sep-01	772.39	301.19	471.2
30-Sep-01	772.39	301.29	471.1
01-Oct-01	772.39	301.49	470.9
02-Oct-01	772.39	301.59	470.8
03-Oct-01	772.39	301.59	470.8
04-Oct-01	772.39	301.69	470.7
05-Oct-01	772.39	301.88	470.51

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
06-Oct-01	772.39	301.88	470.51
07-Oct-01	772.39	302.08	470.31
08-Oct-01	772.39	302.08	470.31
09-Oct-01	772.39	302.38	470.01
10-Oct-01	772.39	302.38	470.01
11-Oct-01	772.39	302.47	469.92
12-Oct-01	772.39	302.67	469.72
13-Oct-01	772.39	302.87	469.52
14-Oct-01	772.39	302.87	469.52
15-Oct-01	772.39	303.16	469.23
16-Oct-01	772.39	303.16	469.23
17-Oct-01	772.39	303.16	469.23
18-Oct-01	772.39	303.16	469.23
19-Oct-01	772.39	303.26	469.13
20-Oct-01	772.39	303.46	468.93
21-Oct-01	772.39	303.46	468.93
22-Oct-01	772.39	303.46	468.93
23-Oct-01	772.39	303.46	468.93
24-Oct-01	772.39	303.65	468.74
25-Oct-01	772.39	303.65	468.74
26-Oct-01	772.39	303.46	468.93
27-Oct-01	772.39	303.65	468.74
28-Oct-01	772.39	303.65	468.74
29-Oct-01	772.39	303.65	468.74
10-Dec-02	772.39	311.77	460.62
18-Mar-05	772.39	303.58	468.81
15-Sep-05	772.39	292.7	479.69
21-Dec-05	772.39	284.23	488.16
27-Mar-06	772.39	282.05	490.34
29-Apr-06	772.39	292.4	479.99
07-Jul-06	772.39	277.7	494.69
03-Oct-06	772.39	279.2	493.19
07-Jan-10	772.39	288.76	483.63
24-Mar-10	772.39	289.56	482.83
15-Dec-10	772.39	282.89	489.5
08-Apr-11	772.39	275.41	496.98
LAM-MW1			

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
9/28/1994	741.57	234.68	506.89
10/28/1994	741.57	240.13	501.44
11/17/1994	741.57	240.86	500.71
12/21/1994	741.57	240.16	501.41
1/27/1995	741.57	238.00	503.57
2/27/1995	741.57	239.46	502.11
4/4/1995	741.57	241.20	500.37
5/12/1995	741.57	238.49	503.08
6/15/1995	741.57	234.80	506.77
7/13/1995	741.57	233.30	508.27
9/18/1995	741.57	231.66	509.91
10/11/1995	741.57	229.14	512.43
1/30/1996	741.57	227.42	514.15
4/23/1996	741.57	224.38	517.19
12/8/2006	741.57	250.9	490.67
Feb 2011			
LAM-MW2			
9/28/1994	750*		507.32
10/28/1994	750.00		501.69
11/17/1994	750.00		500.96
12/21/1994	750.00		501.70
1/27/1995	750.00		503.92
2/27/1995	750.00		502.40
4/4/1995	750.00		500.50
5/12/1995	750.00		503.62
6/15/1995	750.00		507.48
7/13/1995	750.00		510.08
9/18/1995	750.00		510.76
10/11/1995	750.00		513.31
1/30/1996	750.00		514.61
4/23/1996	750.00		517.77
12/7/2006	750.00	254.55	495.45
LAM-MW3			
9/28/1994	744*		506.82
10/28/1994	744.00		501.44
11/17/1994	744.00		500.59

Table 1
Historic Groundwater Elevations

Date	Top of Casing Elevation	Depth to Groundwater	Potentiometric Groundwater Elevation
	(ft AMSL)	(ft)	(ft AMSL)
12/21/1994	744.00		501.24
1/27/1995	744.00		503.26
2/27/1995	744.00		501.88
4/4/1995	744.00		499.96
5/12/1995	744.00		502.84
6/15/1995	744.00		506.35
7/13/1995	744.00		508.80
9/18/1995	744.00		509.41
10/11/1995	744.00		511.88
1/30/1996	744.00		513.77
4/23/1996	744.00		516.69
12/7/2006	744.00	250.32	493.68

Table 2
VOC Concentrations in Groundwater
(µg/l)

Date	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,4-Dioxane	Tetrachloroethylene	Trichloroethylene	Selected Other VOCs
4916C							
9/5/1984					20.00		
9/25/1984					31.00	3.00	
6/10/1985					18.00	0.00	
6/19/1985					18.00	<1	
7/17/1985					14.00	0.00	
8/14/1985							
9/9/1985					16.00	37.00	
9/19/1985					16.00	37.00	
1/16/1986					16.00	<1	
1/18/1986					15.00	0.00	
2/27/1986					13.00	0.00	
5/13/1986					8.00	0.00	
8/15/1986					7.00	0.00	
11/20/1986							
1/9/1987					5.00	0.00	
4/9/1987	0.00	0.00	0.00		10.00	1.00	
5/29/1987	0.00	0.00	0.00		0.00	0.00	
8/26/1987	0.00	0.00	0.00		9.07	0.00	
11/20/1987	0.00	0.00	0.00		8.96	0.00	
3/2/1988	0.00	0.00	0.00			0.00	
5/10/1988					0.00	0.00	
8/9/1988	0.00	0.00	0.00		0.00	0.00	
11/2/1988	0.00	0.00	0.00		0.00	0.00	
2/23/1989	0.00	0.00	0.00		7.00	0.00	
5/4/1989	0.00	0.00	0.00		0.00	0.00	
6/7/1989					<5	<5	
8/2/1989	0.00	0.00	0.00		5.40	0.00	
9/8/1989					<5	<5	
11/17/1989	0.00	0.00	0.00		0.00	0.00	
2/19/1990	0.00	0.00	0.00		0.00	0.00	
5/16/1990	0.00	0.00	0.00		0.00	0.00	
8/10/1990	0.00	0.00	0.00		0.00	0.00	
11/5/1990	0.00	0.00	0.00		5.00	5.00	
11/12/1990							
2/13/1991	0.00	0.00	0.00		0.00	6.00	
2/13/1991	0.00	0.00	0.00		0.00	6.00	
5/17/1991	0.00	0.00	0.00		6.00	9.00	
8/15/1991	0.00	0.00	0.00		6.00	18.00	
11/12/1991	0.00	0.00	0.00		6.00	15.00	
2/28/1992	0.00	0.00	0.00		0.00	10.00	
3/13/1992							
5/13/1992							
5/26/1992	0.00	12.00	0.00		6.00	3.00	
8/14/1992	0.00	0.00	0.00		5.00	26.00	
11/19/1992	0.00	0.00	0.00		6.00	24.00	
2/2/1993	0.00	0.00	0.00		6.00	11.00	
5/24/1993	0.00	0.00	0.00		6.00	7.00	

Table 2
VOC Concentrations in Groundwater
(µg/l)

Date	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,4-Dioxane	Tetrachloroethylene	Trichloroethylene	Selected Other VOCs
8/19/1993	0.00	0.00	0.00		4.00	7.00	
11/17/1993	0.00	0.00	0.00		7.00	0.00	
2/24/1994	0.00	0.00	0.00		6.00	0.00	
6/2/1994	0.00	0.00	0.00		6.00	2.00	
6/23/1994							
8/15/1994	0.00	0.00	0.00		7.00	0.00	
11/7/1994	0.00	0.00	0.00		8.00	0.00	
2/6/1995	0.00	0.00	0.00		11.00	0.00	
5/5/1995					11.00	0.00	
8/7/1995					6.00	0.00	
11/3/1995					7.00	0.00	
2/7/1996					5.00	0.00	
8/19/1996					0.00	0.00	
2/14/1997					0.00	0.00	
8/12/1997					0.00	0.00	
2/10/1998					0.00	0.00	
8/5/1998					0.00	0.00	
8/6/1998					0.00	0.00	
2/23/1999					0.00	0.00	
9/9/1999					0.00	9.90	
9/4/2001					0.00	0.00	
4/2/2002					1.40	3.00	
8/14/2002					1.50	4.20	
9/29/2003					0.00	0.21	
4917A							
4/29/1988	0.00	0.00	0.00		<1	98.00	
7/29/1988					<1	200.00	
11/8/1988					<5	170.00	
2/7/1989					<1	180.00	
12/14/1989					2.00	12.00	
5/16/1990	0.00	0.00	0.00		1.00	43.00	
8/21/1990	0.00	0.00	0.00		0.00	36.00	
10/2/1990	0.00	0.00	0.00		0.80	50.00	
3/19/1993						110.00	
6/16/1993						130.00	
9/29/1993						87.00	
11/17/1993						100.00	
7/31/2007	0.00	0.00	0.00	0.00	0.12	11.00	
9/4/2007	0.00	0.00	0.00	0.00	0.47	16.00	
12/17/2010	<0.45	<0.37	<0.40	-	<0.51	1.8	cis-1,2-DCE = 3.1 N-NDMA = 6.3
4/1/2011	<0.45	<0.37	<0.40	-	<0.51	26	1-4-dichlorobenzene = 0.40
10/19/2011	ND<1	ND<1	ND<1	-	ND<1	31.8	cis-1,2,-DCE = 4.95 trans-1,2-DCE = 0.340J Vinyl chloride = 1.55J

Table 2
VOC Concentrations in Groundwater
(µg/l)

Date	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,4-Dioxane	Tetrachloroethylene	Trichloroethylene	Selected Other VOCs
4/6/2012	ND<0.150	ND<0.372	1.61	ND<2.00	ND<0.421	39.8	cis-1,2-DCE = 5.50 µg/L trans-1,2-DCE = 0.270J µg/L Vinyl chloride= 7.42
4917B							
4/29/1988	0.00	0.00	0.00		12.00	25.00	
7/29/1988					16.00	38.00	
11/8/1988					2.00	<1	
2/7/1989					3.00	<1	
3/18/1993						0.00	
6/16/1993						0.00	
9/29/1993						1.10	
11/17/1993						3.00	
9/20/1995	0.00	0.00	0.00		4.00	6.00	
7/31/2007	250.00	17.00	510.00	1000.00	2.60	3.90	
9/4/2007	160.00	15.00	260.00	2.20	1.90	3.10	
12/17/2010	85	22	280	0	1.6	<0.30	Chloroform = 3.6 Perchlorate = 1.6 Cr-VI = 0.048
4/1/2011	33	35	190	-	0.67	0.85	Bromodichloromethane = 0.64 Chloroform = 3.2 Perchlorate = 2.3
10/19/2011	13.4	6.3	83.4	-	ND<1	ND<1	Bromodichloromethane = 3.80 Chloroform = 14.8 Dibromodichloromethane = 0.560J
4/6/2012	12.1	6.91	106	ND<2.00	ND<0.421	0.160J	Bromodichloromethane = 3.61 µg/L Chloroform = 13.9 µg/L Dibromochloromethane = 0.360J µg/L 1,2-DCA = 0.830J µg/L
4918							
6/19/1985					3	7	
7/17/1985					7	36	
9/19/1985					7	5	
1/16/1986					2	26	
4/29/1986					<1	20	
7/22/1986					2	27	
10/15/1986					1	34	
1/14/1987					1	50	
4/15/1987					1	46	
7/24/1987					4	38	
10/21/1987					2	45	
4/29/1988	0.00	0.00	0.00		2.00	65.00	
7/28/1988	0.00	0.00	0.00		2.00	73.00	
11/8/1988	0.00	0.00	0.00		4.00	61.00	

Table 2
VOC Concentrations in Groundwater
(µg/l)

Date	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,4-Dioxane	Tetrachloroethylene	Trichloroethylene	Selected Other VOCs
2/7/1989	0.00	0.00	0.00		4.00	130.00	
5/11/1990					12	120	
8/21/1990					14	53	
10/2/1990					18	56	
1/25/2007	11.00	ND	43.80	0.00	7.40	12.60	Cis-1,2 DCE = 2.1
3/21/2007	ND	ND	11.8	1.53	12.30	8.60	Chlorobenzene = 0.32J Cis-1,2 DCE = 2.6
6/4/2007	ND	ND	4.7	ND	12.30	8.60	Chlorobenzene = 0.32J Cis-1,2 DCE = 2.6
9/11//2007	ND	ND	1.1	0.46J	20.50	4.90	Chlorobenzene = 0.60J 1,1-dichlorobenzene = 0.47J Cis-1,2 DCE = 3.8
4918A							
12/31/1984					4	29	
6/19/1985					7	30	
7/17/1985					3	5	
9/19/1985					7	<1	
1/16/1986					12	8	
4/29/1986					9	5	
7/22/1986					<1	3	
10/15/1986					3	<1	
1/14/1987					<1	<1	
4/15/1987					3	<1	
7/24/1987					<1	<1	
10/29/1987					<1	<1	
4/29/1988	0.00	0.00	0.00		6.00	68.00	
7/28/1988	0.00	0.00	0.00		11.00	2.00	
11/8/1988	0.00	0.00	0.00		6.00	2.00	
2/7/1989	0.00	0.00	0.00		15.00	95.00	
8/1/2007	0.56	0.50	0.00	0.00	1.30	4.40	
9/6/2007	0.42	0.67	0.00	0.00	1.70	4.20	
12/4/2008	0.00	0.54	0.00	0.74	1.20	2.50	
4918B							
4/29/1988	No Data				4.00	28.00	
7/28/1988	0.00	0.00	0.00		5.00	35.00	
11/8/1988	0.00	0.00	0.00		5.00	38.00	
2/7/1989	0.00	0.00	0.00		4.00	52.00	
12/14/1989					4.00	93.00	
5/16/1990					10.00	110.00	
8/21/1990					12.00	54.00	
10/2/1990					15.00	57.00	

Table 2
VOC Concentrations in Groundwater
(µg/l)

Date	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,4-Dioxane	Tetrachloroethylene	Trichloroethylene	Selected Other VOCs
1/25/2007	ND	ND	ND	0.00	8.60	35.80	cis-1,2 DCE = 25.2 chlorobenzene = 4.8
3/21/2007	ND	ND	0.5J	5.18	6.30	36.60	cis-1,2 DCE = 10.81, 2-DCB = 0.5J 1,4-DCB = 1.4 chlorobenzene = 2.8
6/4/2007	ND	ND	ND	17.70	4.70	37.10	cis-1,2 DCE = 15 1,2-DCB =0.6J 1,4-DCB = 1.5 chlorobenzene = 3.3
8/1/2007	0.56	0.50	0.00	0.00	1.30	4.40	
9/11/2007	ND	0.45J	ND	24.00	5.70	39.70	cis-1,2 DCE = 19.1 1,2-DCB = 0.8J 1,4-DCB = 1.7 chlorobenzene = 4.2
12/4/2008	0.00	0.54	0.00	0.74	1.20	2.50	
4926B							
6/20/1988	0.00	0.00	0.00		1.00	0.00	
12/6/1988	0.00	0.00	0.00		0.00	0.00	
4/4/1989	0.00	0.00	0.00		0.00	0.00	
6/15/1989	0.00	0.00	0.00		0.00	0.00	
4927							
10/17/1984					2		
6/19/1985							
7/17/1985					1	<1	
8/14/1985							
9/19/1985					4	<1	
1/16/1986					2	<1	
4/29/1986					1	<1	
7/22/1986					2	<1	
10/15/1986					2	<1	
1/14/1987					2	<1	
4/15/1987					1	<1	
7/24/1987					2	<1	
10/21/1987					<1	<1	
4/29/1988	0.00	0.00	0.00		0.00	0.00	
7/28/1988	0.00	0.00	0.00		0.00	0.00	
11/8/1988	0.00	0.00	0.00		0.00	2.00	
2/7/1989	0.00	0.00	0.00		0.00	2.00	
1/25/2007	ND	ND	ND	<2.0	1.70	ND	
3/21/2007	ND	ND	ND	ND	1.80	ND	
6/4/2007	ND	ND	ND	ND	1.40	ND	
9/11/2007	ND	ND	ND	ND	1.50	0.24J	Acetone = 15.2
4928A							

Table 2
VOC Concentrations in Groundwater
(µg/l)

Date	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,4-Dioxane	Tetrachloroethylene	Trichloroethylene	Selected Other VOCs
5/3/1984					1		
12/31/1984					5.3	44	
6/19/1985					1	<1	
7/17/1985					1	<1	
8/14/1985							
9/19/1985					2	37	
1/16/1986					1	<1	
4/29/1986					<1	<1	
7/22/1986					2	<1	
10/15/1986					3	<1	
1/14/1987					<1	<1	
4/15/1987					<1	<1	
7/24/1987					2	<1	
10/21/1987					2	<1	
4/29/1988					<1	<1	
7/28/1988					1	<1	
11/8/1988					<1	<1	
2/7/1989					2	<1	
4/2/1993					1.6	<0.5	
6/22/1993					1.4	<1	
8/24/1993					1.3	<1	
11/19/1993					0.9	<0.5	
2/21/1994					<0.5	<0.5	
8/5/1994					1.6	<0.5	
2/20/1995					1.9	<0.5	
8/24/1995					2.5	<0.2	
2/23/1996					5.2	0.54	
8/23/1996							
9/11/1996							
10/31/1996					6.3	0.56	
2/14/1997					9.4	1	
8/26/1997					7.8	0.69	
3/12/1998					7	0.6	
9/21/1998					15.1	1.5	
3/30/1999					7.2	1.2	
8/25/1999					12.1	1	
3/10/2000					6.3	1.1	
10/9/2000					3.8	0.9	
3/29/2001					4.5	0.8	
9/25/2001					6.9	0.9	

Table 2
VOC Concentrations in Groundwater
(µg/l)

Date	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,4-Dioxane	Tetrachloroethylene	Trichloroethylene	Selected Other VOCs
6/5/2002					5.7	0.8	
11/27/2002					6.3	0.6	
5/30/2003					7	0.7	
12/10/2003					4.5	0.4	
1/8/2004							
6/8/2004					5.1	0.7	
12/17/2004							
6/9/2005					4.58	0.7	
12/15/2005					5	0.8	
6/20/2006					4.6	<0.25	
8/8/2006					1.12	<0.25	
12/20/2006	ND	1.30	ND	<2.0	2.55	<0.50	
3/22/2007	ND	ND	ND	ND	1.5	ND	
6/4/2007	ND	ND	ND	ND	1.3	ND	
9/12/2007	ND	ND	ND	ND	2.01	ND	
4928B							
10/23/1984					4		
6/19/1985					<1	<1	
7/17/1985					<1	<1	
8/14/1985							
9/19/1985					3	<1	
1/16/1986					<1	<1	
4/29/1986					1	<1	
7/22/1986					3	<1	
10/15/1986					<1	<1	
1/14/1987					2	<1	
4/15/1987					2	<1	
7/24/1987					4	<1	
10/21/1987					<1	<1	
4/29/1988	0.00	2.00	0.00		3.00	0.00	
7/28/1988	0.00	2.00	0.00		4.00	0.00	
11/8/1988	0.00	2.00	0.00		4.00	0.00	
2/7/1989	0.00	3.00	0.00		5.00	1.00	
10/23/1984					4		
6/19/1985					<1	<1	
7/17/1985					<1	<1	
8/14/1985							
9/19/1985					3	<1	
1/16/1986					<1	<1	
4/29/1986					1	<1	
7/22/1986					3	<1	
10/15/1986					<1	<1	

Table 2
VOC Concentrations in Groundwater
(µg/l)

Date	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,4-Dioxane	Tetrachloroethylene	Trichloroethylene	Selected Other VOCs
1/14/1987					2	<1	
4/15/1987					2	<1	
7/24/1987					4	<1	
10/21/1987					<1	<1	
4/29/1988					3	<1	
7/28/1988					4	<1	
11/8/1988					4	<1	
2/7/1989					5	1	
4/2/1993					<0.5	0.9	
6/22/1993					1.7	<1	
8/24/1993					2	<1	
11/19/1993					1.4	<0.5	
2/21/1994					<0.5	<0.5	
8/5/1994					2.7	1.1	
2/20/1995					<0.5	2.7	
8/24/1995					4.8	1.3	
2/23/1996					2.6	1.3	
8/23/1996							
9/11/1996					5.6	1.4	
2/14/1997					4.2	1.1	
8/26/1997					2.5	0.78	
3/12/1998					1.9	0.5	
9/21/1998					1.6	<0.5	
3/30/1999					1.8	0.6	
8/25/1999					1.9	<0.5	
3/10/2000							
10/9/2000							
3/29/2001							
9/25/2001							
6/5/2002							
11/27/2002							
5/30/2003							
12/10/2003							
6/8/2004							
12/17/2004							
6/9/2005							
12/15/2005							
8/8/2006							
12/20/2006							
3/21/2007							

Table 2
VOC Concentrations in Groundwater
(µg/l)

Date	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,4-Dioxane	Tetrachloroethylene	Trichloroethylene	Selected Other VOCs
6/4/2007							
9/18/2007							
4928C							
4/29/1988					<1	3.00	
7/28/1988	0.00	0.00	0.00		0.00	8.00	
11/8/1988	0.00	0.00	0.00		0.00	8.00	
2/7/1989	0.00	0.00	0.00		2.00	5.00	
2/20/1995							
8/24/1995							
2/23/1996							
8/23/1996							
2/14/1997							
8/26/1997							
3/12/1998							
9/21/1998							
3/30/1999							
8/25/1999							
3/10/2000							
10/9/2000							
3/29/2001					2.9	<0.25	
9/25/2001					5.4	0.4J	
6/19/2002					8.9	0.4J	
11/27/2002							
5/30/2003							
12/10/2003					6.4	0.8	
1/8/2004							
6/8/2004					4.8	0.8	
6/24/2004							
12/17/2004					6.5	<0.25	
6/9/2005					5.25	0.67	
12/15/2005					4.9	0.7	
6/20/2006					7.6	0.7	
8/9/2006					3.79	<0.25	
12/20/2006					9.34	<0.50	
12/20/2006	ND	1.03	ND	<2.00	7.48	0.21J	
3/22/2007	ND	0.82J	ND	ND	10.30	0.26J	
6/5/2007	ND	0.7J	ND	ND	8.7	0.2J	
9/12/2007	ND	ND	ND	0.55J	11.9	ND	1,2-DCA = 0.21J
NH-C01-325							
8/16/1990	0.00	2.00	0.00		12.00	2.00	

Table 2
VOC Concentrations in Groundwater
(µg/l)

Date	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,4-Dioxane	Tetrachloroethylene	Trichloroethylene	Selected Other VOCs
3/20/1991	0.00	4.00	0.00		0.00	0.00	
1/29/1992	0.00	0.00	0.00		7.00	0.00	
4/30/1992	0.00	0.00	0.00		12.00	3.00	
7/29/1992	0.00	0.00	0.00		14.00	3.00	
11/12/1992	0.00	0.00	0.00		10.00	0.00	
2/10/1993	0.00	0.00	0.00		8.00	0.00	
5/5/1993	0.00	0.00	0.00		5.00	0.00	
8/12/1993					4.00	0.00	
11/15/1993					6.00	0.00	
2/15/1994	0.00	2.00	0.00		10.00	2.00	
5/11/1994	0.00	0.00	0.00		5.00	0.00	
10/19/1994	0.00	5.00	0.00		30.00	8.00	
1/25/1995	0.00	0.90	0.00		13.00	1.00	
5/9/1995	0.00	1.00	0.00		17.00	2.00	
7/27/1995	0.00	1.00	0.00		24.00	3.00	
12/6/1995	0.00	3.00	0.00		43.00	7.00	
3/21/1996	0.00	1.00	0.00		14.00	1.00	
7/24/1996	0.00	5.00	0.00		71.00	10.00	
12/5/1996	0.00	5.00	0.00	0.90	40.00	10.00	
6/5/1997	0.00	5.00	0.00		68.00	11.00	
9/10/1997	0.00	3.00	0.00	0.00	48.00	6.00	
12/2/1997							
12/4/1997	0.00	2.00	0.00	0.00	33.00	5.00	
3/10/1998	0.00	0.58	0.00		32.00	0.00	
6/9/1998	0.00	0.00	0.00	0.00	14.00	0.30	
10/6/1998	0.00	0.40	0.00	0.00	9.00	0.20	
12/1/1999	0.00	0.00	0.00		12.00	0.00	
3/15/2000	0.00	0.00	0.00		3.00	0.00	
6/7/2000	0.00	0.30	0.00		1.00	0.00	
9/19/2000	0.00	0.30	0.00		3.00	0.40	
12/18/2000							
3/6/2001	0.00	0.60	0.00		3.00	0.40	
6/14/2001	0.00	0.30	0.00		6.00	0.60	
9/21/2001	0.00	0.34	0.00		10.00	0.69	
12/10/2001							
3/6/2002							
6/10/2002	0.00	0.30	0.00		7.00	0.60	
9/9/2002	0.00	0.50	0.00		7.00	0.80	
12/10/2002	0.00	0.60	0.00	0.00	8.00	1.00	
3/19/2003	0.00	0.70	0.30		6.00	1.00	
6/3/2003							
3/15/2005	0.00	1.20	0.00		3.20	1.10	
7/7/2006	0.00	0.99	0.00	0.00	19.00	1.60	
10/3/2006	0.00	1.50	0.00	0.00	27.00	2.20	
12/20/2006	0.00	1.40	0.00	0.00	28.00	3.30	
3/14/2007	0.00	1.60	0.00		39.00	3.10	
6/20/2007	0.00	1.50	0.00		37.00	3.00	
9/19/2007	0.00	1.10	0.00		32.00	2.60	

Table 2
VOC Concentrations in Groundwater
(µg/l)

Date	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,4-Dioxane	Tetrachloroethylene	Trichloroethylene	Selected Other VOCs
12/12/2007	0.00	0.89	0.07		31.00	2.60	
3/14/2008	0.00	0.96	0.00		37.00	3.70	
6/12/2008	0.00	0.00	0.00		40.00	2.90	
8/7/2008	0.00	0.83	0.00		33.00	2.50	
3/11/2009	0.00	0.00	0.00		31.00	2.10	
6/3/2009	0.00	0.37	0.00		20.00	1.20	
9/28/2009	0.00	0.00	0.00		15.00	1.20	
1/7/2010							
3/24/2010							
9/23/2010	0.00	0.00	0.00	100.00	44.00	4.70	
NH-VPB-07							
7/31/1989	0.00	3.00	0.00		14.00	5.00	
1/17/1990							
9/11/1990	0.00	19.00	0.00		75.00	38.00	
2/4/1991	0.00	5.00	0.00		30.00	9.20	
1/29/1992	0.00	4.00	0.00		18.00	7.00	
5/1/1992	0.00	11.00	0.00		34.00	19.00	
7/29/1992	0.00	13.00	0.00		42.00	20.00	
11/11/1992	0.00	20.00	0.00		54.00	34.00	
11/13/1992	0.00	0.00	0.00		0.00	0.00	
2/10/1993	0.00	0.00	0.00		8.00	0.00	
5/5/1993	0.00	0.00	0.00		5.00	0.00	
8/12/1993					3.00	0.00	
11/15/1993					4.00	0.00	
2/18/1994	0.00	0.00	0.00		4.00	0.00	
5/13/1994	0.00	0.00	0.00		3.00	0.00	
10/25/1994	0.00	7.00	0.00		25.00	12.00	
1/25/1995	0.00	4.00	0.00		14.00	5.00	
5/9/1995	0.00	4.00	0.00		15.00	6.00	
7/27/1995	0.00	1.00	0.00		6.00	2.00	
12/6/1995	0.00	2.00	0.00		10.00	3.00	
3/21/1996	0.00	1.00	0.00		5.00	1.00	
7/24/1996	0.00	7.00	0.00		36.00	12.00	
12/5/1996	0.00	5.00	0.00	3.00	19.00	8.00	
6/5/1997	0.00	4.00	0.00		20.00	7.00	
9/10/1997	0.00	4.00	0.00	0.00	16.00	5.00	
12/2/1997							
12/4/1997	0.00	3.00	0.00	0.00	12.00	5.00	
3/10/1998	0.00	3.00	0.06		14.00	5.00	
6/9/1998	0.00	0.90	0.00	0.00	6.00	2.00	
10/6/1998	0.00	0.40	0.00	0.00	3.00	0.70	
12/1/1999	0.00	1.00	0.00		7.00	0.00	
3/8/2007					2 J	0.15J	
6/14/2007					1.70	ND	
9/13/2007					1.70	ND	
11/27/2007					1.70	0.057J	

Table 2
VOC Concentrations in Groundwater
(µg/l)

Date	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,4-Dioxane	Tetrachloroethylene	Trichloroethylene	Selected Other VOCs
NH-C05-320							
1/30/1991	0.00				0.00	0.00	
2/8/1991	0.00	0.00	0.00		0.00	0.00	
4/29/1992	0.00	0.00	0.00		0.00	0.00	
12/5/1995	0.00	0.00	0.00		0.00	0.00	
6/22/1998	0.00	0.00	0.00		0.00	1.00	
12/4/2000	0.00	0.00	0.00		0.00	0.00	
1/7/2010	0.00	0.00	0.00	0.00	0.83	1.1	
4/8/2011	0.00	0.00	0.00	3.00	3.3	9.8	
NH-C16-390							
10/8/2009	0.00	2.70	0.00	1.80	0.77	3.60	
12/15/2010	0.55	0.98	2.80	3.10	1.40	16.00	
NH-C22-360							
10/19/2009	0.00	0.00	0.00	0.00	0.00	7.90	
12/21/2010	0.00	0.00	0.00	0.00	0.00	7.30	
LAM-MW1							
9/28/1994	ND	0.40			5.40	1.20	
12/21/1994	0.30	1.00			3.90	0.80	
1/26/1995	–	–			–	–	
2/27/1995	ND	ND			3.90	0.50	
4/5/1995	0.00	0.00	0.00		3.80	0.90	
7/13/1995	0.00	0.00	0.00		2.50	0.40	
10/11/1995	0.00	0.00	0.00		4.00	0.00	
1/30/1996	0.00	0.00	0.00		7.30	0.70	
4/23/1996	0.00	0.00	0.00		3.80	0.00	
9/27/2006		0.00	0.00	0.00	0.60	0.00	
12/8/2006		0.00	0.00	0.00	0.62	0.00	
2/10/2011	0	0.11	0	0	1.2	0.1	
LAM-MW2							
9/28/1994	ND	0.30			3.90	1.10	
12/21/1994	–	–			–	–	
1/26/1995	ND	ND			0.70	ND	
2/27/1995	–	–			–	–	
3/2/1995	ND	1.00			9.40	4.00	
7/13/1995	0.00	0.00	0.00		2.20	0.30	
10/11/1995	0.00	0.00	0.00		3.40	0.00	
1/30/1996	0.00	0.00	0.00		6.40	1.00	
4/23/1996	0.00	0.80	0.00		4.60	0.70	
9/27/2006		0.00	0.00	0.00	1.10	0.00	
12/7/2006		0.00	0.14	0.00	0.89	0.00	
12/8/2006		0.00	0.00	0.00	0.00	0.00	

Table 2
VOC Concentrations in Groundwater
(µg/l)

Date	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,4-Dioxane	Tetrachloroethylene	Trichloroethylene	Selected Other VOCs
2/10/2011	0	0.14	0	0.47	1.3	0.1	
LAM-MW3							
9/28/1994	ND	1.30			9.20	3.80	
12/21/1994	–	–			–	–	
1/26/1995	ND	ND			3.00	0.30	
2/27/1995	ND	0.30			3.80	0.70	
3/2/1995	–	–			–	–	
7/13/1995	0.00	0.40	0.00		3.70	0.40	
10/11/1995	0.00	0.00	0.00		2.20	0.00	
1/30/1996	0.00	0.00	0.00		5.00	0.00	
4/23/1996	0.00	0.00	0.00		2.50	0.00	
9/26/2006		0.60	0.38	1.00	3.80	0.41	
12/7/2006		0.33	0.29	1.80	3.00	0.40	
2/10/2011	0	0.099	0	0	0.85	0.12	

Notes:

ND Not detected at or above detection limits

NA Not analyzed

Table 3

Laboratory Analytical Results of Title 22 Metals in Groundwater

EPA Method 200.8/218.6

(µg/L)

Sample ID (Duplicate)	Sample Date	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Total Chromium	Chromium VI	Cobalt
4917A	04/06/12	ND	ND	0.62	140	ND	ND	ND	ND	ND
4917B	04/06/12	ND	ND	0.93	190	ND	ND	0.200	ND	ND
MDL (µg/L)		0.0001	0.0400	0.0360	0.0300	0.0880	0.0200	0.0740	0.144	0.0090
MCL (µg/L)		2.0	6.0	10.0	1000.0	4.0	5.0	50.0	50.0	--

Sample ID (Duplicate)	Sample Date	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
4917A	04/06/12	0.580	ND	1.50	0.890	ND	ND	ND	1.10	5.70
4917B	04/06/12	0.980	ND	1.10	ND	ND	ND	ND	4.70	12.0
MDL (µg/L)		0.270	0.0110	0.0360	0.130	0.280	0.0270	0.0090	0.0470	1.10
MCL (µg/L)		--	--	--	100.0	50.0	--	2.0	--	--

Notes:

MDL = Method detection limit

MCL = Maximum Contaminant Level (California EPA)

-- = No MCL

µg/l = Micrograms per liter

Table 4
Sites of Interest

Address/Sun Valley	Operation	
Fleetwood Street		
11416 Fleetwood Street	1962	Maribil Tool and Mfg Co.
	1970	Andy Anderson
	From at least 1980 to at least 1985	Riteway Industries
11422 Fleetwood Street	1956	Grier Engineering & Construction Tools
	From at least 1956 to at least 1962	Lite Weight Tool &Mfg Co.
	From at least 1970 to at least 1971	Hayes Aircraft Supply, Inc.
11428 Fleetwood Street	From at least 1958 to at least 1956	Star Hardware Supply, Inc.
	1962	Hinco Engineering, Co.
	1970	Black Jack Automotive System, Inc.
	From at least 1971 to present	Kuhn Mfg
Goss Street		
11273 Goss Street	1962	Jensens Precision Metalcraft
	1962	City Warehouse Furniture Co.
	1985	Fine Metal Mfg.
	1995	Tony Joni Art Display
11281 Goss Street	1975	Ben Line Products Cabinets
	1985	IFC Financial Services Corp.
	From 1approx.. 1988 to at least 1991	Sequoia Wood Products/California Wood Prod
	2006	Hyeart
11285 Goss Street	1954-1972	Berkot Manufacturing/Carpet wholesaler
	1972-present	Berkot Manufacturing/Eqpt. Manufacturer
11321 Goss Street	From at least 1956 to at least 1971	Kenskill Trailer Corp.
	1975	Hunter Industries
	1980	Clipper Industries
	1982-1986	All Valley Plating
	1986-present	Prime Plating
Luddington Street		
11370 Luddington Street	From at least 1956 to at least 1962	Production Saw Works
	From at least 1970 to at least 1980	Tom Farrar Co
	1985	Metal Fab Engineering
	1991	By Granite and Marble

Table 4
Sites of Interest

Address/Sun Valley	Operation	
11374 Luddington Street	From at least 1956 to at least 1962	Swanson Mfg./Engineering
	From at least 1970 to at least 1976	Production Saw Works
	From at least 1980 to at least 1990	Westlake Grinding Service
11380 Luddington Street	1956	Tangvald Tool & Mfg. Co
	1962	Armer Lining Co.
	1970	Len's Quality Tire Service
11390 Luddington Street	1956	Torrance John W. Machine Shop
11400 Luddington Street	From at least 1980 to present	Lado Mfg
Pendleton Street		
11645 Pendleton Street	1954 to present	Dixon Hardchrome
Penrose Street		
11312 Penrose Street	From at least 1975 to at least 1981	MCA Distributing Corp
	From approx.. 1990 to approx.. 2009	Color Factory
11320 Penrose Street	1980	Jerome Industries: power supply manufacturer
	From approx.. 1990 to approx.. 2009	Color Factory
11331 Penrose Street	1962	Lincoln Van & Storage Co.
	From at least 1970 to at least-1976	Studwell Tooling Co.
	From at least 1980 to at least 1995	Globe Aerospace
	1997 to present	RL Anodizing
11351 Penrose Street	1956	Gene Thompson
	From at least 1970 to at least-1980	Croddy Machine Shop
	From at least 1985 to-present	Wallace Engineering Co./Consulting Engineers
San Fernando Road		
8508 San Fernando Road	From at least 1967 to present	Roscoe Sheet Metal Work
8510 San Fernando Road	1975	B&D Custom Metal Fabrication
	From at least 1981 to at least 1990	Complete Screw Products
	2001	Marmo Inc.
8520 San Fernando Road	From at least 1975 to at least 1985	Morehouse Engineering Co./Inc.
8557 San Fernando Road	From at least 1958 to at least 1967	Welch Metal Products
8615 San Fernando Road	From at least 1967 to at least 1986	C&R Industries Machine Works
	From approx. 1988 to present	Wells Mfg

Table 4
Sites of Interest

Address/Sun Valley	Operation	
8621 San Fernando Road	From at least 1975 to at least 2006	Lite Weight Tool & Mfg. Co.
8647 San Fernando Road	From at least 1958 to at least 1986	Genex, Inc./Aviron Genex
8649 San Fernando Road	From at least 1976 to at least-1981	Aviron Airmotive Co.
8701 San Fernando Road	1958	A&P Lumber & Materials Co.
	2006	Sun Valley Paper Stock
Tamarack Avenue		
8655 Tamarack Avenue	Unknown until 1970s	Monogram/GVI
	From 1970s to 1982	Aircraft Tank Service
Telfair Avenue		
8710 Telfair Avenue	1971 to present	Accurate Engineering
Tujunga Avenue		
8301 Tujunga Avenue	1962-1985	Penrose Landfill
8430 Tujunga Avenue	From at least 1980 to approx.. 1988	Roach Inc./Marketing Div. of Perma Trans Printing
	From at least 1989 to approx.. 2009	Mail Pac
8520 Tujunga Avenue	1956	Turner Vernon B, Inc.
	From at least 1958 to at least 1967	Superscope/Electronics Manufacturer
	1962	Perma-Packs Co.
	1970	General Airmotive Corp.
	From at least 1973 to approx.. 1988	Wells Mfg
	From at least 1975 to approx.. 1991	Morehouse Engineering
	From approx. 1991 to at least 2004	International Grinding Co.
8524 Tujunga Avenue	1957-1984	Cee Jay Machine
	1985	Marble Design International
8540 Tujunga Avenue	1962	Production Milling
	1970	Thomas Jas C
	From at least 1980 to at least 1986	Stretchcoat.
	1991	International Stone Importers
8560 Tujunga Avenue	1962	Industrial Fasteners/Rooke Engineering
	From at least 1967 to at least 1970	Technical Plastics Co.
	From at least 1975 to at least 2006	Kennedy Marketing
8600 Tujunga Avenue	From at least 1991 to at least 2006	Joe's Tooling

Table 4
Sites of Interest

Address/Sun Valley	Operation	
8610 Tujunga Avenue	1970	Aviron Airmotive Co.
8620 Tujunga Avenue	1970	General Airmotive Corp.
Tuxford Street		
11519 Tuxford Street	Unknown to approx. 1982	Precision Die and Stamp
11533 Tuxford Street	From approx. 1982	Precision Die and Stamp

Table 5
Volatile Organic Compound Concentrations
(parts per billion)

VOC	Tuxford Landfill	Penrose Landfill	Concentration Ratio
	Dec 1989	Jul 1981	Penrose:Tuxford
Acetone	1,700	7,100	4.18
Benzene	490	2,200	4.48
Chlorobenzene	80	5,400	67.5
Ethylbenzene	1,400	21,300	15.2
MIBK	270	19,800	73.3
MEK	750	12,000	16
PCE	180	9,600	53.3
TCE	70	5,100	72.8
Toluene	870	43,000	49.4
Vinyl Chloride	440	ND*	-
Xylenes	2,400	30,700	12.8
cis-1,2-DCE	250	ND*	-
1,1-DCE	<50	5,600	>112

ND = Not detected
* = Unknown detection limit
- = Not applicable
MIBK = Methyl isobutyl ketone
MEK = Methyl ethyl ketone (2-butanone)
DCE = Dichloroethylene

Table 6

Well Construction Details

Well ID	Casing Depth (ft. bgs)	Screening Interval (ft. bgs)		
4916C	500	300	to	500
4917A	358	160	to	358
4917B	375	160	to	375
4918	365	164	to	365
4918A	500	230	to	240
		300	to	310
		390	to	410
		480	to	490
4918B	369	160	to	369
4928A	433	225	to	433
4928B	362	161	to	362
4928C	375	160	to	375
4927	375	174	to	375

Notes:

ft. = feet

bgs = below ground surface

Table 7
Facilities With Agency Records

Company Name	Address/Sun Valley	Operation	Years of Operation	Use of HVOCs/Generation of HVOC waste
Accurate Engineering	8710 Telfair Avenue	Printed circuit boards	1971–present	Degreasing. Documented generation of waste containing 1,1,1-TCA and TCE between 1985 and 1991. 70 gallons of TCE waste generated in 1991. At least 735 gallons of 1,1,1-TCA waste generated between 1985 and 1991. 1,1,1-TCA in use as late as in 2009. Used a still to recycle 1,1,1-TCA and TCE.
Aircraft Tank Service	8655 Tamarack Avenue	Aircraft parts	1970s–1982	Permitted spray booth in 1982. Terminated operations before hazardous waste tracking had been implemented.
All Valley Plating	11321 Goss Street	Electroplating and anodizing	1982–1986	Business shut down and owners were criminally prosecuted in 1986 for discharging solvents and heavy metals into the sewer. Reportedly used no solvents for degreasing. No records found on hazardous waste generation.
Berkot Manufacturing	11285 Goss Street	Warehouse equipment manufacturer Carpet wholesaler	1972–present 1954–1972	Documented use of 1,1,1-TCA. Used cesspool as late as in 1991. In 1991 conducted spray painting on bare asphalt. In 1992, three shallow soil borings to maximum 10-foot depths were drilled in the area of the spray painting. No soil contamination was detected. No borings were drilled at the cesspool. The owner told the RWQCB in a 10/30/91 letter that only a small amount of 1,1,1-TCA had been used; however, Los Angeles Fire Department reported that a yearly use of 1,200 gallons of 1,1,1-TCA had been discontinued in 1992. No records found on hazardous waste generation.
Cee Jay Machine	8524 Tujunga Avenue	Machine shop	1957–1984	Property converted from septic to sewer in 1986. No records found on hazardous waste generation.

Table 7
Facilities With Agency Records

Company Name	Address/Sun Valley	Operation	Years of Operation	Use of HVOCs/Generation of HVOC waste
Color Factory	11320 Penrose Street	Cosmetics manufacturing	Approx. 1990 to approx. 2009	Obtained hazardous waste generation ID in 2001 but no record of any disposal.
Color Factory	11312 Penrose Street	Cosmetics manufacturing	Approx. 1990 to approx. 2009	Hazardous waste, mostly flammable solvents generated from 1998 to 2007.
Dixon Hardchrome	11645 Pendleton Street	Electroplating and anodizing	1954–present	PCE and 1,1,1-TCA degreasers in use from 1982 to approximately 2002. A 500-gallon aboveground storage tank (AST) contained 1,1,1-TCA and a 300-gallon AST contained PCE. At least 2,909 gallons of PCE waste generated between 1986 and 1999 and 960 gallons of 1,1,1-TCA waste from 1987 to 1999. A soil-gas survey of unknown scope performed in 1993 allegedly did not indicate subsurface contamination at the site. The facility stated to the RWQCB that it discontinued using chlorinated solvents after the soil-gas survey in 1993, although records show the use continued until approximately 2002.
Genex Aviron	8647 San Fernando Road	Aircraft parts	At least 1958–1986	Dumping of drums and containers containing chemicals, including TCE, at 8620 Tujunga Ave. directly east of subject site, north of Penrose Street in 1986. Documented use of TCE. No records found on hazardous waste generation.
Globe Aerospace	11331 Penrose Street	Aircraft parts	At least 1980 to at least 1995.	PCE used in vapor degreasing. Permit for degreaser issued in 1981. No records found on hazardous waste generation.
International Grinding Company	8520 Tujunga Avenue	Machine shop	Approx. 1991 to at least 2004.	Used solvents of unknown type until 1994. No records found on hazardous waste generation.

Table 7
Facilities With Agency Records

Company Name	Address/Sun Valley	Operation	Years of Operation	Use of HVOCs/Generation of HVOC waste
J and M Containers	8508 San Fernando Road	Waste hauling	Not applicable to this location	Acted as generator for the disposal of 0.6672 tons of chlorinated solvents in 2005. This company is now out of business and was previously located at 11029 Penrose Street, Sun Valley. There is no evidence that this company operated at 8508 San Fernando Road.
Joe's Tooling	8600 Tujunga Avenue	Fiberglass products	At least 1990 to at least 2006	Documented use of acetone and MEK. Spray booth permit issued in 1992. No records found on hazardous waste generation for the company, but in 2011 the property owner disposed of 1.122 tons of off-spec organic chemicals.
Kuhn Manufacturing	11428 Fleetwood Street	Lift equipment manufacturer	At least 1971–present	Spray booth permit issued in 1989. Obtained hazardous waste generation ID in 1989, but no record of any disposal.
Lado Manufacturing	11400 Luddington Street	Machine shop	At least 1980–present	In 1992 the company reportedly discontinued using 1,1,1-TCA and methylene chloride near an industrial waste clarifier. Methylene chloride (91 µg/kg), 1,1,1-TCA (67 µg/kg) and chloroform (342 µg/kg) were detected in soil samples near the clarifier in 1992, but the RWQCB felt that the concentrations were too low to investigate further. Water samples collected from the clarifier contained 1,1,1,2-tetrachloroethane (14.3 µg/L), 1,1,1-TCA (10.4 µg/L), 1,1-DCA (61.6 µg/L), and PCE (2.1 µg/L). Obtained hazardous waste generation ID in 1986 but no record of any disposal.
Mail Pac	8430 Tujunga Avenue	Direct mail services	At least 1989 to approx. 2009	Disposal of PCE waste in 2001 and chlorinated solvents waste in 2000 and 2002. Total mass disposed was 0.95 tons. Corporation is dissolved.

Table 7
Facilities With Agency Records

Company Name	Address/Sun Valley	Operation	Years of Operation	Use of HVOCs/Generation of HVOC waste
Monogram/GVI	8655 Tamarack Avenue	Aircraft Part Supplier	Unknown until 1970s	Likely used chlorinated solvents in documented heat-treating and degreasing. Obtained industrial waste permit in 1974.
Morehouse Engineering	8520 San Fernando Road	Unknown, but likely machine shop	At least 1975 to approx. 1991	Obtained hazardous waste generation ID in 1989 but no record of any disposal.
Newberry Landfill	South of Roscoe Boulevard, between Tujunga Avenue and Fair Avenue	Accepted rubbish. Class designation unknown	1948–1955	No known generation of chlorinated solvent waste
Penrose Landfill	8301 Tujunga Avenue	Landfill – Class II-2 Household rubbish	1962–1985	Generation of large amounts of chlorinated solvents waste, including PCE, 1999–2001
Precision Die and Stamp	11533 Tuxford Street	Machine shop	Approx. 1982–present	Degreasing, documented use of PCE and 1,1,1-TCA. 154 gallons of 1,1,1-TCA waste generated in 1991 and 0.3544 tons of chlorinated solvents waste generated in 1994.
Precision Die and Stamp	11519 Tuxford Street	Machine shop	Unknown to approx. 1982	Terminated operations at this address before hazardous waste tracking had been implemented.

Table 7
Facilities With Agency Records

Company Name	Address/Sun Valley	Operation	Years of Operation	Use of HVOCs/Generation of HVOC waste
Prime Plating	11321 Goss Street	Electroplating and anodizing	1986–present	Documented use of 1,1,1-TCA from at least 1993 to 2006. Used vapor degreaser. Methylene chloride detected in stormwater runoff in 2002. Conducted a soil gas survey in 1997. A total of 10 soil gas samples were taken at the depth of 5 feet at the facility. The sampling results indicated traces of VOC contamination at the site which the RWQCB determined not to have a substantial threat, and therefore no remediation was required. On December 7, 2006, DTSC conducted a site inspection and determined that based on the previous investigation at the site and the site inspection, no further action was required.
RL Anodizing	11331 Penrose Street		1997–present	Generation of large amounts of mostly chromium hazardous waste since 1998
Roscoe Sheet Metal	8508 San Fernando Road	Sheet metal fabrication	At least 1967–present	Stated to the RWQCB in 1995 that it did not use any solvents, but did not respond to questions regarding past use of solvents or degreasers. No records found on hazardous waste generation, but in 2005 a company called J & M Containers acted as generator of 0.6672 tons of chlorinated solvents waste at this address.
Sequoia Wood Products/California Wood Products	11281 Goss Street	Wood manufacturing	Approx. 1988 to at least 1991	Operated spray booth from 1988 to at least 1991. No records found on hazardous waste generation. Discontinued use of flammable solvents in 1991.
Strathern Landfill	8230 Tujunga Landfill	Inert waste landfill	1992–2009	No known generation of chlorinated solvent waste
Stretchcoat	8540 Tujunga Avenue	Paint manufacturer	At least 1980 to at least 1986	Chemical spill in 1986. No records found on hazardous waste generation.

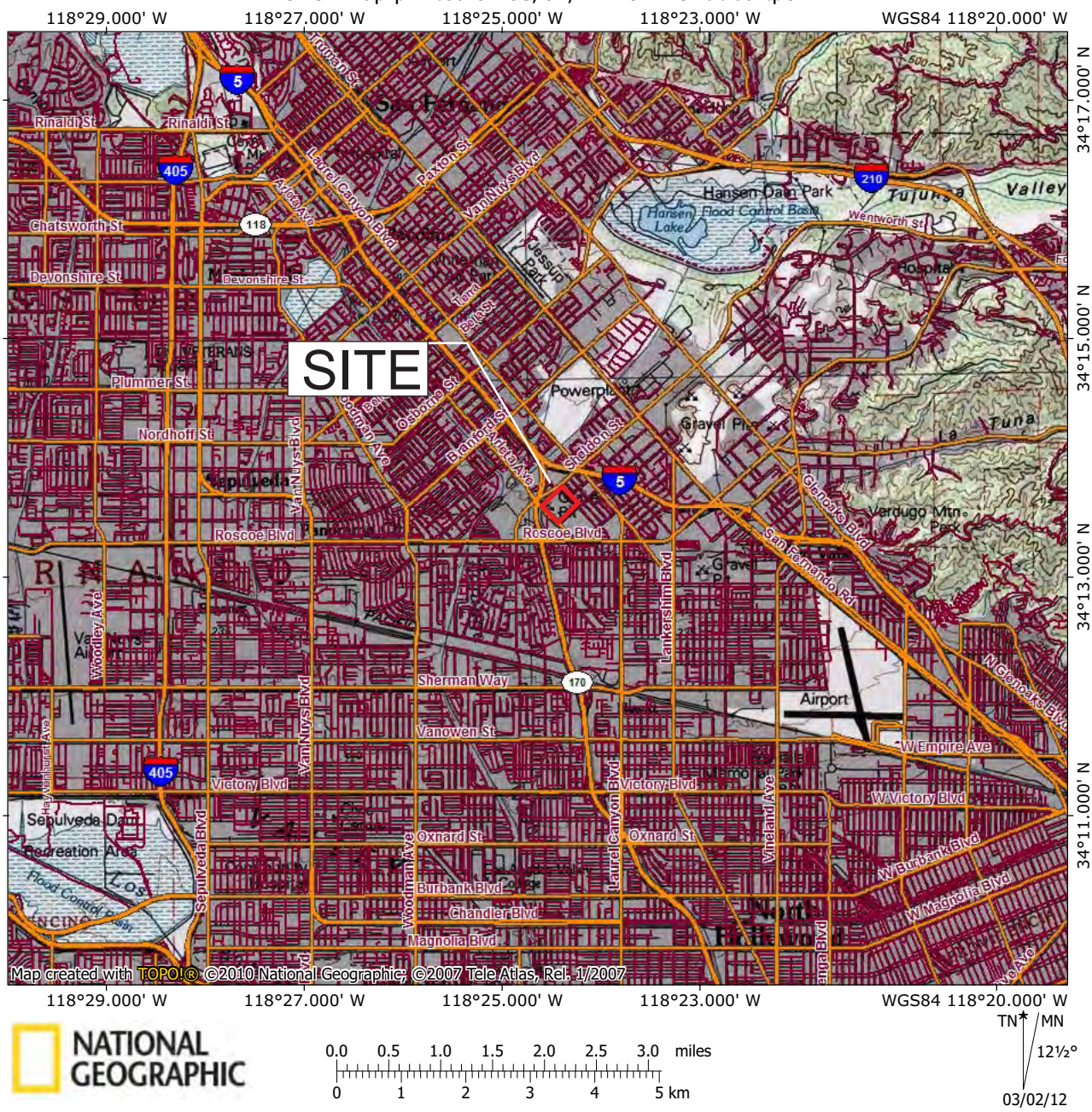
Table 7

Facilities With Agency Records

Company Name	Address/Sun Valley	Operation	Years of Operation	Use of HVOCs/Generation of HVOC waste
Tuxford Landfill	11590 Tuxford Street	Landfill – Class II – no liquid waste accepted	1948–1949, 1955–1960	No known generation of chlorinated solvent waste
Wells Manufacturing	8520 Tujunga Avenue	Aircraft Parts	At least 1973 to approx. 1988	No records found on hazardous waste generation.
Wells Manufacturing	8615 San Fernando Road	Aircraft parts	Approx. 1988–present	Cutting oil used from at least 1988 to 1994. Discontinued use of unknown solvents in 1988. Hazardous waste as oil/water separator sludge generated from 1999 to 2011.
Roach, Inc	8430 Tujunga Avenue	Printing	At least 1980 to approx. 1988	Facility listed by the RWQCB at this address in 1988. No records found on hazardous waste generation.
Sun Valley Paper Stock	8701 San Fernando Road	Paper, plastic and glass recycler	At least 1985–present	Since 2003, stormwater runoff has infiltrated into the ground.

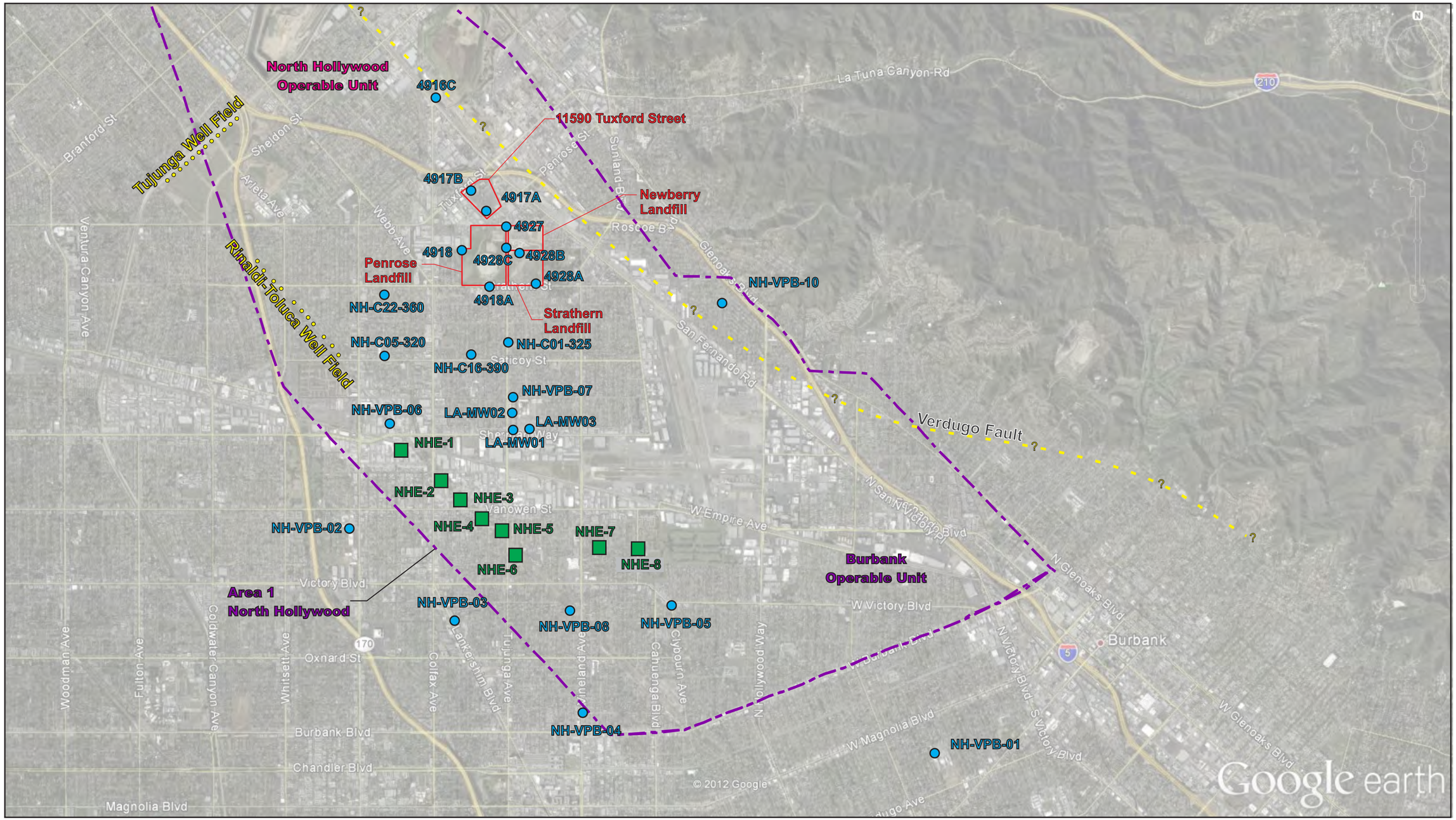
FIGURES

Figures 1 through 20



N

Project Name: California Car Hikers 11590 TUXFORD STREET, SUN VALLEY, CALIFORNIA				
Title: SITE VICINITY MAP				
Drafted By: DWS	**Approved By:** UML	**Project No.:** 2011-006	**Date:** 3/12	**Figure No.:** 1



REMEDIAL INVESTIGATION WELL

REMEDIAL EXTRACTION WELL

LADWP PRODUCTION WELL FIELD

APPROXIMATE SCALE
1" = 3,500'

0" 1" 2"
0' 3,500' 7,000'

NORTH

LANDMARK ENGINEERING

North Hollywood Operable Unit - Area 1

California Car Hikers

11590 TUXFORD STREET, SUN VALLEY, CALIFORNIA

Drawn By:	Approved By:	Project No.:	Figure No.:
DWS	UML	2011–006	2

Verdugo Fault
Sheldon St
N. Glenoaks Blvd.
Bradley Pit Landfill
Gregg Pit/Benz Dump
4916C
Tujunga Well Field
I-5 Golden State Freeway
Sun Valley Paper Stock
Webb Ave
Tuxford St
Penrose St
11590 Tuxford St
4917B
4917A
San Fernando Rd
Roscoe Blvd
4927
4928C
4928B
4918
Penrose Landfill
Newberry Landfill
4918B
4928A
4918A
Strathern St
NH-C22-360
Strathern Landfill
Coldwater Canyon Ave
Rinaldi-Toluca Well Field
NH-C01-325
NH-C05-320
NH-C16-390
Saticoy St
NH-VPB-07
LAMW2
LAMW3
LAMW1
NEW-3
NEW-2
NHE-1
NEW-1
NHOU Treatment Facility
Laurel Canyon Blvd.
Lankershim Blvd
Tujunga Ave
NHE-2
NHE-3
Vanowen St.
NHE-4
NHE-5
NHE-6
70 Hollywood Freeway
SCALE: 1" 2"
0' 1500' 3000'

LEGEND:

- Production Well
- Well Location
- Proposed NHOU Extraction Well
- NHOU Extraction Well
- New Monitoring Well
- Street
- Freeway
- Property Boundary

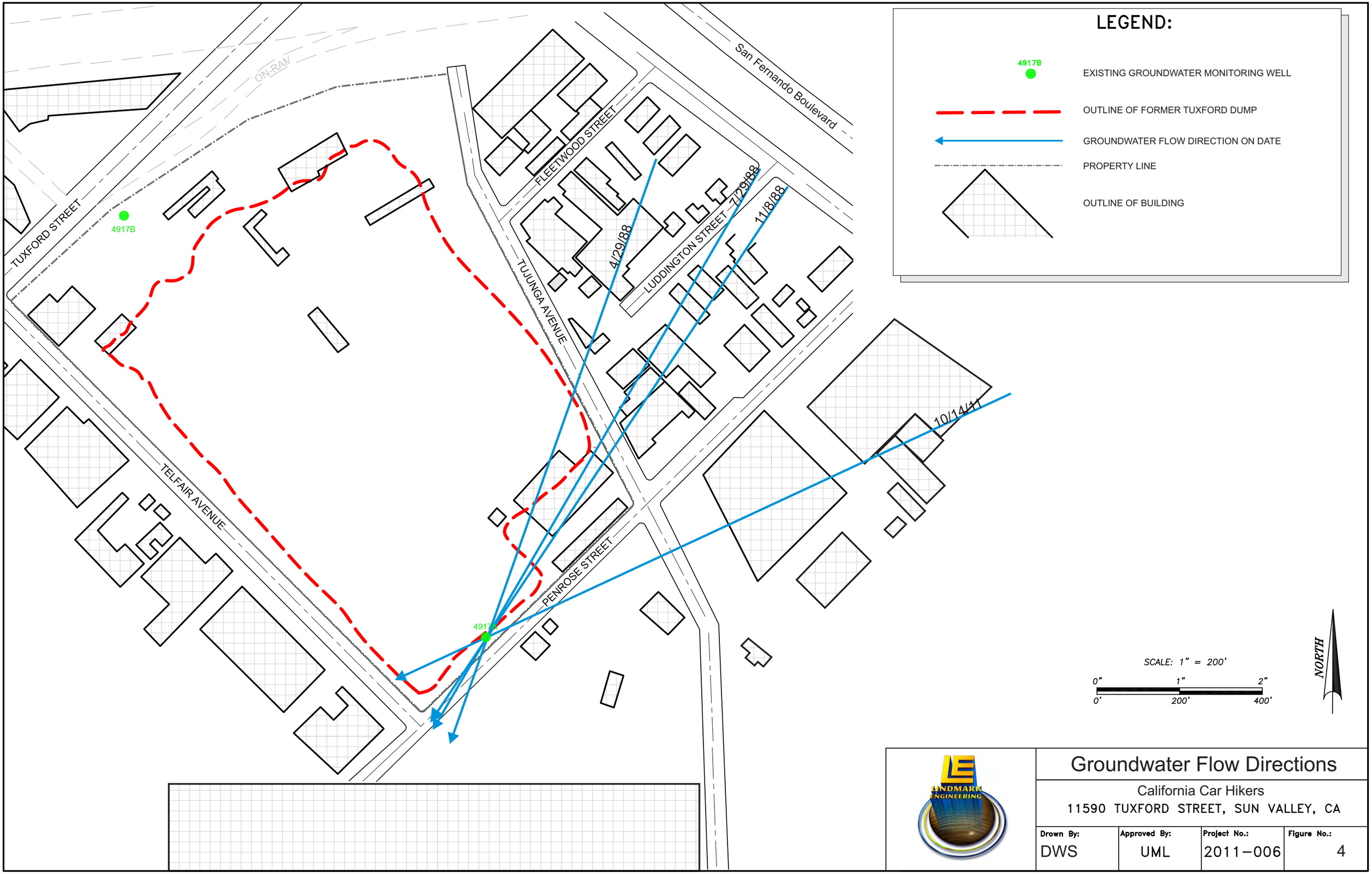
Figure 3: Well Fields, Monitoring and Extraction Wells

CLIENT:
California Car Hikers

SITE LOCATION :
11590 Tuxford Street,
Sun Valley, California

Approved: UL
Drawn: DWS
Date: 1/12
Project No.: 2011-006
MAP NO: Well Field Map.cdr

LANDMARK ENGINEERING



Groundwater Flow Directions

California Car Hikers

11590 TUXFORD STREET, SUN VALLEY, CA

Drawn By:	Approved By:	Project No.:	Figure No.:
DWS	UML	2011-006	4

4916C

Bradley Pit Landfill

Lankershim Blvd.

San Fernando Rd.

Tuxford St

Penrose St

Verdugo Fault

I-5 Golden State Fwy.

14

1

2/34

51

38

39

19/20/29

4/17

3

23/46/55

32/44

8/21/27/48

30

9/61

41/49/56

54/58

43/53/62

33/42/57

60

18/45/50

5/12/47

10

28

13

25

15/24

6

7

31

11/22/26/40

16/35/36/37/52/59

11590 Tuxford Street

4917B

4917A

Approximate groundwater flow direction 1988-1989

Approximate groundwater flow direction prior to 1988*

4927

Newberry Landfill

4928C

4928B

4918

Penrose Landfill

4918B

4918A

4928A

Strathern St.

Tujunga Ave.

Strathern Landfill

SCALE: 1" 2"

0' 600' 1200'

Sites of Interest

#1	Accurate Engineering	8710 Telfair Avenue
#2	Aircraft Tank Service	8655 Tamarack Avenue
#3	Aviron Airmotive Co.	8649 San Fernando Road
#4	Aviron Genex	8647 San Fernando Road
#5	B&D Custom Metal Fabrication	8510 San Fernando Road
#6	Ben Line Products Cabinets	11281 Goss Street
#7	Berkot Manufacturing	11285 Goss Street
#8	Black Jack Automotive System, Inc.	11428 Fleetwood Street
#9	C&R Industries Machine Works	8615 San Fernando Road
#10	Cee Jay Machine	8524 Tujunga Avenue
#11	Clipper Industries	11321 Goss Street
#12	Complete Screw Products	8510 San Fernando Road
#13	Croddy Machine Shop	11351 Penrose Street
#14	Dixon Hardchrome	11645 Pendleton Street
#15	Fine Metal Mfg.	11273 Goss Street
#16	General Airmotive Corp.	8520 Tujunga Avenue
#17	Genex, Inc.	8647 San Fernando Road
#18	Globe Aerospace	11331 Penrose Street
#19	Grier Engineering & Construction Tools	11422 Fleetwood Street
#20	Hayes Aircraft Supply	11422 Fleetwood Street
#21	Hinco Engineering, Co.	11428 Fleetwood Street
#22	Hunter Industries	11321 Goss Street
#23	Industrial Fasteners	8560 Tujunga Avenue
#24	Jensens Precision Metalcraft	11273 Goss Street
#25	Jerome Industries	11320 Penrose Street
#26	Kenskill Trailer Corp.	11321 Goss Street
#27	Kuhn Mfg	11428 Fleetwood Street
#28	Lado Mfg	11400 Luddington Street
#29	Lite Weight Tool & Mfg Co.	11422 Fleetwood Street
#30	Lite Weight Tool & Mfg. Co.	8621 San Fernando Road
#31	Mail Pac	8430 Tujunga Avenue
#32	Maribil Tool and Mfg Co.	11416 Fleetwood Street
#33	Metal Fab Engineering	11370 Luddington Street
#34	MonogramGVI	8655 Tamarack Avenue
#35	Morehouse Engineering	8520 Tujunga Avenue
#36	Morehouse Engineering	8520 San Fernando Road
#37	Perma-Packs	8520 Tujunga Avenue
#38	Precision Die and Stamp	11519 Tuxford Street
#39	Precision Die and Stamp	11533 Tuxford Street
#40	Prime Plating	11321 Goss Street
#41	Production Milling	8540 Tujunga Avenue
#42	Production Saw Works	11370 Luddington Street
#43	Production Saw Works	11374 Luddington Street
#44	Riteway Industries	11416 Fleetwood Street
#45	RL Anodizing	11331 Penrose Street
#46	Rooke Engineering	8560 Tujunga Avenue
#47	Roscoe Sheet Metal Work	8508 San Fernando Road
#48	Star Hardware Supply, Inc.	11428 Fleetwood Street
#49	Stretchcoat	8540 Tujunga Avenue
#50	Studwell Tooling Co.	11331 Penrose Street
#51	Sun Valley Paper Stock	8701 San Fernando Road
#52	Superscope	8520 Tujunga Avenue
#53	Swanson Mfg.Engineering	11374 Luddington Street
#54	Tangvald Tool & Mfg. Co	11380 Luddington Street
#55	Technical Plastics Co.	8560 Tujunga Avenue
#56	Thomas Jas C	8540 Tujunga Avenue
#57	Tom Farrar Co	11370 Luddington Street
#58	Torrance John W. Machine Shop	11390 Luddington Street
#59	Turner Vernon B, Inc.	8520 Tujunga Avenue
#60	Welch Metal Products	8557 San Fernando Road
#61	Wells Mfg	8615 San Fernando Road
#62	Westlake Grinding Service	11374 Luddington Street

*Flow direction based on LeRoy Crandall & Associates, April 1987 Groundwater Elevations

LEGEND:

- Approximate Outline of Property Boundary
- Well Location
- Street
- Freeway
- Sites of Interest: Tujunga-Penrose-San Fernando Triangle
- Other Sites of Interest

FIGURE 5: Sites of Interest

CLIENT: California Car Hikers

SITE LOCATION : 11590 Tuxford Street Sun Valley, California

Approved: UL

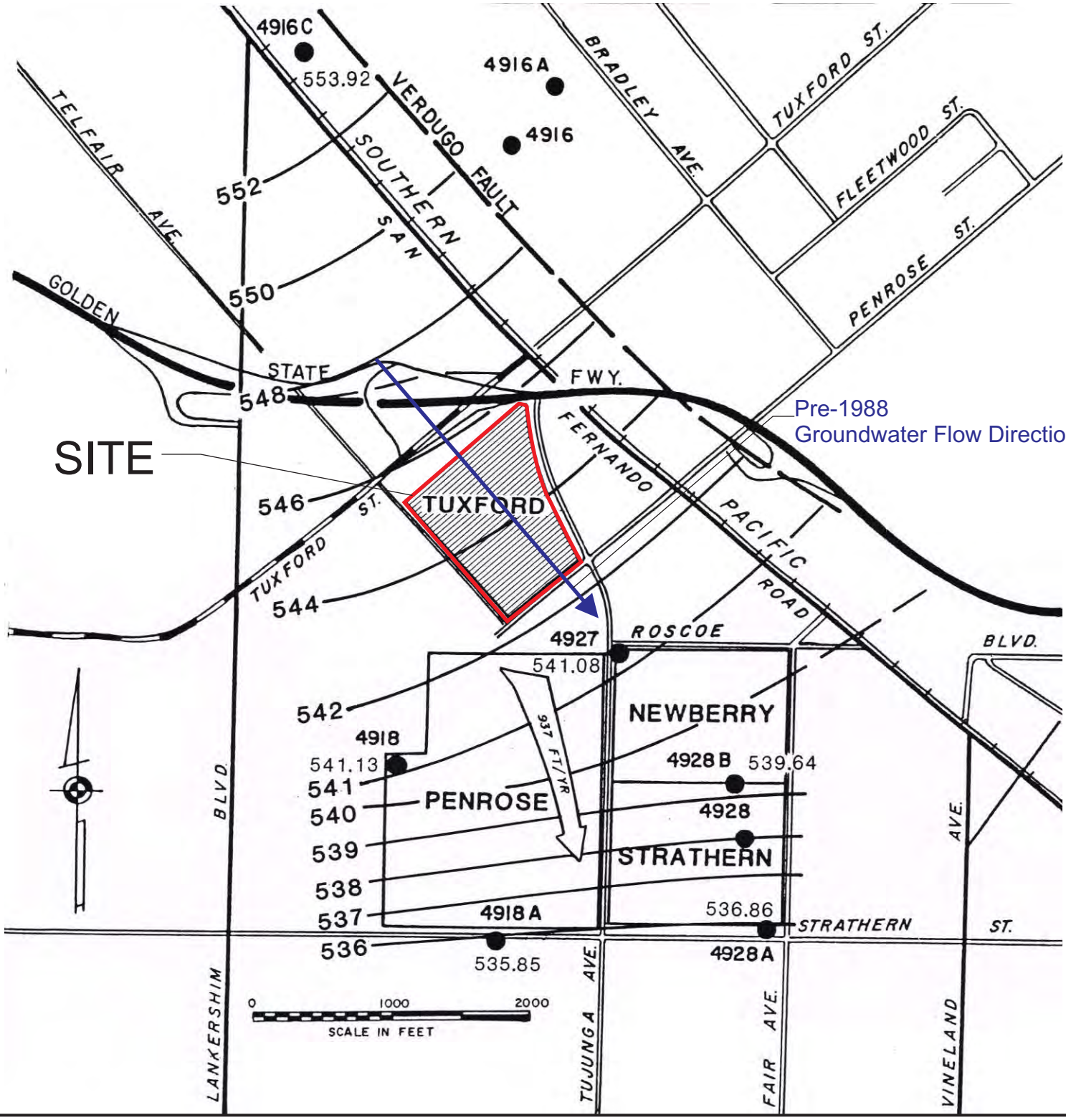
Drawn: DWS

Date: 1/12

Project No.: 2011-006

MAP NO: Revised PRP Map.cdr

LANDMARK ENGINEERING



Legend

- 4918 — WELL LOCATION
- 553.92 — WATER ELEVATION (Ft. Above Sea Level)
- 552 — GROUND WATER (Elevation Contour)
- DIRECTION AND VELOCITY OF GROUND WATER FLOW (Ft./Yr.)

From LeRoy Crandall and Associates (1987)
Base map from USGS 7.5' Burbank (1972)
and Van Nuys (1972) quadrangles

LANDMARK ENGINEERING

Project Name: California Car Hikers
11590 TUXFORD STREET, SUN VALLEY, CALIFORNIA

Title: APRIL 1987 GROUNDWATER CONTOUR MAP

Drafted By:	Approved By:	Project No.:	Date:	Figure No.:
DWS	UML	2011-006	3/12	6

4916C

Bradley Pit Landfill

Lankershim Blvd.

San Fernando Rd.

Tuxford St

Penrose St

Verdugo Fault

I-5 Golden State Fwy.

14

1

2/34

51

38

39

(530.59)

530

11590 Tuxford Street

4917B

4917A

(525.57)

525

4/17

3

23/46/55

19/20/29

32/44

8/21/27/48

30

9/61

41/49/56

54/58

43/53/62

33/42/57

60

18/45/50

10

28

13

5/12/47

15/24

25

6

7

31

11/22/26/40

16/35/36/37/52/59

4927

Newberry Landfill

(525.71)

4928C

4928B

(523.37)

4918

(522.65)

Penrose Landfill

4918B

(519.73)

(518.58)

(516.48)

4918A

4928A

Strathern St.

Strathern Landfill

SCALE: 1" 2"

0' 600' 1200'

Sites of Interest

#1	Accurate Engineering	8710 Telfair Avenue
#2	Aircraft Tank Service	8655 Tamarack Avenue
#3	Aviron Airmotive Co.	8649 San Fernando Road
#4	Aviron Genex	8647 San Fernando Road
#5	B&D Custom Metal Fabrication	8510 San Fernando Road
#6	Ben Line Products Cabinets	11281 Goss Street
#7	Berkot Manufacturing	11285 Goss Street
#8	Black Jack Automotive System, Inc.	11428 Fleetwood Street
#9	C&R Industries Machine Works	8615 San Fernando Road
#10	Cee Jay Machine	8524 Tujunga Avenue
#11	Clipper Industries	11321 Goss Street
#12	Complete Screw Products	8510 San Fernando Road
#13	Croddy Machine Shop	11351 Penrose Street
#14	Dixon Hardchrome	11645 Pendleton Street
#15	Fine Metal Mfg.	11273 Goss Street
#16	General Airmotive Corp.	8520 Tujunga Avenue
#17	Genex, Inc.	8647 San Fernando Road
#18	Globe Aerospace	11331 Penrose Street
#19	Grier Engineering & Construction Tools	11422 Fleetwood Street
#20	Hayes Aircraft Supply	11422 Fleetwood Street
#21	Hinco Engineering, Co.	11428 Fleetwood Street
#22	Hunter Industries	11321 Goss Street
#23	Industrial Fasteners	8560 Tujunga Avenue
#24	Jensens Precision Metalcraft	11273 Goss Street
#25	Jerome Industries	11320 Penrose Street
#26	Kenskill Trailer Corp.	11321 Goss Street
#27	Kuhn Mfg	11428 Fleetwood Street
#28	Lado Mfg	11400 Luddington Street
#29	Lite Weight Tool & Mfg Co.	11422 Fleetwood Street
#30	Lite Weight Tool & Mfg. Co.	8621 San Fernando Road
#31	Mail Pac	8430 Tujunga Avenue
#32	Maribil Tool and Mfg Co.	11416 Fleetwood Street
#33	Metal Fab Engineering	11370 Luddington Street
#34	MonogramGVI	8655 Tamarack Avenue
#35	Morehouse Engineering	8520 Tujunga Avenue
#36	Morehouse Engineering	8520 San Fernando Road
#37	Perma-Packs	8520 Tujunga Avenue
#38	Precision Die and Stamp	11519 Tuxford Street
#39	Precision Die and Stamp	11533 Tuxford Street
#40	Prime Plating	11321 Goss Street
#41	Production Milling	8540 Tujunga Avenue
#42	Production Saw Works	11370 Luddington Street
#43	Production Saw Works	11374 Luddington Street
#44	Riteway Industries	11416 Fleetwood Street
#45	RL Anodizing	11331 Penrose Street
#46	Rooke Engineering	8560 Tujunga Avenue
#47	Roscoe Sheet Metal Work	8508 San Fernando Road
#48	Star Hardware Supply, Inc.	11428 Fleetwood Street
#49	Stretchcoat	8540 Tujunga Avenue
#50	Studwell Tooling Co.	11331 Penrose Street
#51	Sun Valley Paper Stock	8701 San Fernando Road
#52	Superscope	8520 Tujunga Avenue
#53	Swanson Mfg.Engineering	11374 Luddington Street
#54	Tangvald Tool & Mfg. Co	11380 Luddington Street
#55	Technical Plastics Co.	8560 Tujunga Avenue
#56	Thomas Jas C	8540 Tujunga Avenue
#57	Tom Farrar Co	11370 Luddington Street
#58	Torrance John W. Machine Shop	11390 Luddington Street
#59	Turner Vernon B, Inc.	8520 Tujunga Avenue
#60	Welch Metal Products	8557 San Fernando Road
#61	Wells Mfg	8615 San Fernando Road
#62	Westlake Grinding Service	11374 Luddington Street

LEGEND:

- Production Well
- Well Location
- Proposed NHOU Extraction Well
- 530 — Groundwater Elevation/ Countour (ft. AMSL)
- Street
- Freeway
- Property Boundary
- Groundwater Flow Direction
- (530.59) Groundwater Elevation (ft. AMSL)

FIGURE 7: Groundwater Elevation Contours - April 29, 1988

CLIENT:
California Car Hikers

SITE LOCATION :
11590 Tuxford Street
Sun Valley, California

Approved: UL
Drawn: DWS
Date: 1/12
Project No.: 2011-006
MAP NO: Revised PRP Map.cdr

LANDMARK ENGINEERING

4916C

Bradley Pit Landfill

Lankershim Blvd.

San Fernando Rd.

Tuxford St

Penrose St

Verdugo Fault

I-5 Golden State Fwy.

14

1

2/34

51

38

39

(528.27)

528

527

526

525

524

11590 Tuxford Street

4917B

4917A

(525.24)

19/20/29

4/17

3

23/46/55

32/44

8/21/27/48

30

9/61

41/49/56

54/58

43/53/62

33/42/57

60

18/45/50

5/12/47

10

28

13

25

15/24

6

7

31

11/22/26/40

16/35/36/37/52/59

4927

Newberry Landfill

(523.28)*

4928C

4928B

(524.27)

(521.77)

4918

(522.45)

Penrose Landfill

4918B

(519.65)

(517.81)

4918A

(518.82)

4928A

Strathern St.

Strathern Landfill

Sites of Interest

#1	Accurate Engineering	8710 Telfair Avenue
#2	Aircraft Tank Service	8655 Tamarack Avenue
#3	Aviron Airmotive Co.	8649 San Fernando Road
#4	Aviron Genex	8647 San Fernando Road
#5	B&D Custom Metal Fabrication	8510 San Fernando Road
#6	Ben Line Products Cabinets	11281 Goss Street
#7	Berkot Manufacturing	11285 Goss Street
#8	Black Jack Automotive System, Inc.	11428 Fleetwood Street
#9	C&R Industries Machine Works	8615 San Fernando Road
#10	Cee Jay Machine	8524 Tujunga Avenue
#11	Clipper Industries	11321 Goss Street
#12	Complete Screw Products	8510 San Fernando Road
#13	Croddy Machine Shop	11351 Penrose Street
#14	Dixon Hardchrome	11645 Pendleton Street
#15	Fine Metal Mfg.	11273 Goss Street
#16	General Airmotive Corp.	8520 Tujunga Avenue
#17	Genex, Inc.	8647 San Fernando Road
#18	Globe Aerospace	11331 Penrose Street
#19	Grier Engineering & Construction Tools	11422 Fleetwood Street
#20	Hayes Aircraft Supply	11422 Fleetwood Street
#21	Hinco Engineering, Co.	11428 Fleetwood Street
#22	Hunter Industries	11321 Goss Street
#23	Industrial Fasteners	8560 Tujunga Avenue
#24	Jensens Precision Metalcraft	11273 Goss Street
#25	Jerome Industries	11320 Penrose Street
#26	Kenskill Trailer Corp.	11321 Goss Street
#27	Kuhn Mfg	11428 Fleetwood Street
#28	Lado Mfg	11400 Luddington Street
#29	Lite Weight Tool & Mfg Co.	11422 Fleetwood Street
#30	Lite Weight Tool & Mfg. Co.	8621 San Fernando Road
#31	Mail Pac	8430 Tujunga Avenue
#32	Maribil Tool and Mfg Co.	11416 Fleetwood Street
#33	Metal Fab Engineering	11370 Luddington Street
#34	MonogramGVI	8655 Tamarack Avenue
#35	Morehouse Engineering	8520 Tujunga Avenue
#36	Morehouse Engineering	8520 San Fernando Road
#37	Perma-Packs	8520 Tujunga Avenue
#38	Precision Die and Stamp	11519 Tuxford Street
#39	Precision Die and Stamp	11533 Tuxford Street
#40	Prime Plating	11321 Goss Street
#41	Production Milling	8540 Tujunga Avenue
#42	Production Saw Works	11370 Luddington Street
#43	Production Saw Works	11374 Luddington Street
#44	Riteway Industries	11416 Fleetwood Street
#45	RL Anodizing	11331 Penrose Street
#46	Rooke Engineering	8560 Tujunga Avenue
#47	Roscoe Sheet Metal Work	8508 San Fernando Road
#48	Star Hardware Supply, Inc.	11428 Fleetwood Street
#49	Stretchcoat	8540 Tujunga Avenue
#50	Studwell Tooling Co.	11331 Penrose Street
#51	Sun Valley Paper Stock	8701 San Fernando Road
#52	Superscope	8520 Tujunga Avenue
#53	Swanson Mfg.Engineering	11374 Luddington Street
#54	Tangvald Tool & Mfg. Co	11380 Luddington Street
#55	Technical Plastics Co.	8560 Tujunga Avenue
#56	Thomas Jas C	8540 Tujunga Avenue
#57	Tom Farrar Co	11370 Luddington Street
#58	Torrance John W. Machine Shop	11390 Luddington Street
#59	Turner Vernon B, Inc.	8520 Tujunga Avenue
#60	Welch Metal Products	8557 San Fernando Road
#61	Wells Mfg	8615 San Fernando Road
#62	Westlake Grinding Service	11374 Luddington Street

*Well damaged by truck, questionable elevation

SCALE: 1" 2"
0' 600' 1200'

LEGEND:

- Production Well
- Well Location
- Proposed NHOU Extraction Well
- 528 — Groundwater Elevation/ Countour (ft. AMSL)
- Street
- Freeway
- Property Boundary
- Groundwater Flow Direction
- (528.27) Groundwater Elevation (ft. AMSL)

FIGURE 8: Groundwater Elevation Contours - July 29, 1988

CLIENT: California Car Hikers

SITE LOCATION : 11590 Tuxford Street Sun Valley, California

Approved: UL
Drawn: DWS
Date: 1/12
Project No.: 2011-006
MAP NO: Revised PRP Map.cdr

LANDMARK ENGINEERING

4916C

Bradley Pit Landfill

Lankershim Blvd.

San Fernando Rd.

Tuxford St

Penrose St

Verdugo Fault

I-5 Golden State Fwy.

14

1

2/34

51

38

39

19/20/29

4/17

3

23/46/55

32/44

8/21/27/48

30

9/61

41/49/56

54/58

43/53/63

33/42/57

60

18/45/50

5/12/47

10

28

13

15/24

6

7

25

31

11/22/26/40

16/35/36/37/52/59/62

520

519

518

517

(520.42)

4917B

4917A

11590 Tuxford Street

(518.09)

4927

Newberry Landfill

(515.71)*

4928C

(516.83)

(515.47)

4928B

4918

(513.91)

Penrose Landfill

4918B

(510.88)

(510.05)

4918A

4928A

Strathern St.

Strathern Landfill

Sites of Interest

#1	Accurate Engineering	8710 Telfair Avenue
#2	Aircraft Tank Service	8655 Tamarack Avenue
#3	Aviron Airmotive Co.	8649 San Fernando Road
#4	Aviron Genex	8647 San Fernando Road
#5	B&D Custom Metal Fabrication	8510 San Fernando Road
#6	Ben Line Products Cabinets	11281 Goss Street
#7	Berkot Manufacturing	11285 Goss Street
#8	Black Jack Automotive System, Inc.	11428 Fleetwood Street
#9	C&R Industries Machine Works	8615 San Fernando Road
#10	Cee Jay Machine	8524 Tujunga Avenue
#11	Clipper Industries	11321 Goss Street
#12	Complete Screw Products	8510 San Fernando Road
#13	Croddy Machine Shop	11351 Penrose Street
#14	Dixon Hardchrome	11645 Pendleton Street
#15	Fine Metal Mfg.	11273 Goss Street
#16	General Airmotive Corp.	8520 Tujunga Avenue
#17	Genex, Inc.	8647 San Fernando Road
#18	Globe Aerospace	11331 Penrose Street
#19	Grier Engineering & Construction Tools	11422 Fleetwood Street
#20	Hayes Aircraft Supply	11422 Fleetwood Street
#21	Hinco Engineering, Co.	11428 Fleetwood Street
#22	Hunter Industries	11321 Goss Street
#23	Industrial Fasteners	8560 Tujunga Avenue
#24	Jensens Precision Metalcraft	11273 Goss Street
#25	Jerome Industries	11320 Penrose Street
#26	Kenskill Trailer Corp.	11321 Goss Street
#27	Kuhn Mfg	11428 Fleetwood Street
#28	Lado Mfg	11400 Luddington Street
#29	Lite Weight Tool & Mfg Co.	11422 Fleetwood Street
#30	Lite Weight Tool & Mfg. Co.	8621 San Fernando Road
#31	Mail Pac	8430 Tujunga Avenue
#32	Maribil Tool and Mfg Co.	11416 Fleetwood Street
#33	Metal Fab Engineering	11370 Luddington Street
#34	MonogramGVI	8655 Tamarack Avenue
#35	Morehouse Engineering	8520 Tujunga Avenue
#36	Morehouse Engineering	8520 San Fernando Road
#37	Perma-Packs	8520 Tujunga Avenue
#38	Precision Die and Stamp	11519 Tuxford Street
#39	Precision Die and Stamp	11533 Tuxford Street
#40	Prime Plating	11321 Goss Street
#41	Production Milling	8540 Tujunga Avenue
#42	Production Saw Works	11370 Luddington Street
#43	Production Saw Works	11374 Luddington Street
#44	Riteway Industries	11416 Fleetwood Street
#45	RL Anodizing	11331 Penrose Street
#46	Rooke Engineering	8560 Tujunga Avenue
#47	Roscoe Sheet Metal Work	8508 San Fernando Road
#48	Star Hardware Supply, Inc.	11428 Fleetwood Street
#49	Stretchcoat	8540 Tujunga Avenue
#50	Studwell Tooling Co.	11331 Penrose Street
#51	Sun Valley Paper Stock	8701 San Fernando Road
#52	Superscope	8520 Tujunga Avenue
#53	Swanson Mfg.Engineering	11374 Luddington Street
#54	Tangvald Tool & Mfg. Co	11380 Luddington Street
#55	Technical Plastics Co.	8560 Tujunga Avenue
#56	Thomas Jas C	8540 Tujunga Avenue
#57	Tom Farrar Co	11370 Luddington Street
#58	Torrance John W. Machine Shop	11390 Luddington Street
#59	Turner Vernon B, Inc.	8520 Tujunga Avenue
#60	Welch Metal Products	8557 San Fernando Road
#61	Wells Mfg	8615 San Fernando Road
#62	Westlake Grinding Service	11374 Luddington Street

*Well damaged by truck, questionable elevation

SCALE: 1" = 600' 2" = 1200'

LEGEND:

- Production Well
- Well Location
- Proposed NHOU Extraction Well
- 520 — Groundwater Elevation/ Countour (ft. AMSL)
- Street
- Freeway
- Property Boundary
- Groundwater Flow Direction
- (520.42) Groundwater Elevation (ft. AMSL)

FIGURE 9: Groundwater Elevation Contours - Novemeber 8, 1988

CLIENT: California Car Hikers

SITE LOCATION : 11590 Tuxford Street Sun Valley, California

Approved: UL

Drawn: DWS

Date: 1/12

Project No.: 2011-006

MAP NO: Revised PRP Map.cdr

LANDMARK ENGINEERING

	4/29/88	7/29/88	11/8/88	2/7/89
	4916C	4916C	4916C	4916C
1,1,1-TCA	--	0.00	0.00	0.00
1,1-DCA	--	0.00	0.00	0.00
1,1-DCE	--	0.00	0.00	0.00
PCE	0.00	0.00	0.00	7.00
TCE	0.00	0.00	0.00	0.00

	4/29/88	7/29/88	11/8/88	2/7/89
	4927	4927	4927	4927
1,1,1-TCA	0.00	0.00	0.00	0.00
1,1-DCA	0.00	0.00	0.00	0.00
1,1-DCE	0.00	0.00	0.00	0.00
PCE	0.00	0.00	0.00	0.00
TCE	0.00	0.00	2.00	2.00

	4/29/88	7/29/88	11/8/88	2/7/89
	4917B	4917B	4917B	4917B
1,1,1-TCA	0.00	--	--	--
1,1-DCA	0.00	--	--	--
1,1-DCE	0.00	--	--	--
PCE	12.00	16.00	2.00	3.00
TCE	25.00	38.00	0.00	0.00

	4/29/88	7/29/88	11/8/88	2/7/89
	4917A	4917A	4917A	4917A
1,1,1-TCA	0.00	--	--	--
1,1-DCA	0.00	--	--	--
1,1-DCE	0.00	--	--	--
PCE	0.00	0.00	0.00	0.00
TCE	98.00	200.00	170.00	180.00

	4/29/88	7/29/88	11/8/88	2/7/89
	4928C	4928C	4928C	4928C
1,1,1-TCA	--	0.00	0.00	0.00
1,1-DCA	--	0.00	0.00	0.00
1,1-DCE	--	0.00	0.00	0.00
PCE	0.00	0.00	0.00	2.00
TCE	3.00	8.00	8.00	5.00

	4/29/88	7/29/88	11/8/88	2/7/89
	4918	4918	4918	4918
1,1,1-TCA	0.00	0.00	0.00	0.00
1,1-DCA	0.00	0.00	0.00	0.00
1,1-DCE	0.00	0.00	0.00	0.00
PCE	2.00	2.00	4.00	4.00
TCE	65.00	73.00	61.00	130.00

	4/29/88	7/29/88	11/8/88	2/7/89
	4918B	4918B	4918B	4918B
1,1,1-TCA	--	--	--	--
1,1-DCA	--	--	--	--
1,1-DCE	--	--	--	--
PCE	4.00	5.00	5.00	4.00
TCE	28.00	35.00	38.00	52.00

	4/29/88	7/29/88	11/8/88	2/7/89
	4918A	4918A	4918A	4918A
1,1,1-TCA	0.00	0.00	0.00	0.00
1,1-DCA	0.00	0.00	0.00	0.00
1,1-DCE	0.00	0.00	0.00	0.00
PCE	6.00	11.00	6.00	15.00
TCE	68.00	2.00	2.00	95.00

	4/29/88	7/29/88	11/8/88	2/7/89
	4928B	4928B	4928B	4928B
1,1,1-TCA	0.00	0.00	0.00	0.00
1,1-DCA	2.00	2.00	2.00	3.00
1,1-DCE	0.00	0.00	0.00	0.00
PCE	3.00	4.00	4.00	5.00
TCE	0.00	0.00	0.00	1.00

	4/29/88	7/29/88	11/8/88	2/7/89
	4928A	4928A	4928A	4928A
1,1,1-TCA	0.00	0.00	0.00	0.00
1,1-DCA	0.00	0.00	0.00	0.00
1,1-DCE	0.00	0.00	0.00	0.00
PCE	0.00	1.00	0.00	2.00
TCE	0.00	0.00	0.00	0.00

Verdugo Fault

Sheldon St

N. Glenoaks Blvd

Bradley Pit Landfill

Gregg Pit/Benz Dump

4916C

I-5 Golden State Freeway

Tujunga Well Field

Tuxford St

Penrose St

11590 Tuxford St

4917B

4917A

4927

Roscoe Blvd

San Fernando Rd

4928C

4928B

Newberry Landfill

4918

Penrose Landfill

4918B

4918A

4928A

NH-C22-360

Strathern Landfill

NH-C01-325

NH-C05-320

NH-C16-390

Saticoy St

Rinaldi-Toluca Well Field

NH-VPB-07

LAMW2

LAMW1

LAMW3

NEW-3

NEW-2

NHE-1

NEW-1

NHOU Treatment Facility

NHE-6

Laurel Canyon Blvd

Lankershim

Tujunga Ave

SCALE: 1" 2"

0' 1500' 3000'

LEGEND:

- Well Location
- Proposed NHOU Extraction Well
- Production Well
- NHOU Extraction Well
- New Monitoring Well Location
- Street
- Freeway
- Property Boundary

Figure 10: VOC Concentrations in Groundwater (1988-1989 in µg/L)

CLIENT: California Car Hikers

SITE LOCATION : 11590 Tuxford Street, Sun Valley, California

Approved: UL

Drawn: DWS

Date: 1/12

Project No.: 2011-006

MAP NO: Well Field Map.cdr

LANDMARK ENGINEERING

	2/19/1990	5/16/1990	8/10/1990	11/5/1990
	4916C	4916C	4916C	4916C
1,1,1-TCA	0.00	0.00	0.00	0.00
1,1-DCA	0.00	0.00	0.00	0.00
1,1-DCE	0.00	0.00	0.00	0.00
PCE	0.00	0.00	0.00	5.00
TCE	0.00	0.00	0.00	5.00

	5/16/1990	8/21/1990	10/2/1990
	4917A	4917A	4917A
1,1,1-TCA	0.00	0.00	0.00
1,1-DCA	0.00	0.00	0.00
1,1-DCE	0.00	0.00	0.00
PCE	1.00	0.00	0.80
TCE	43.00	36.00	50.00

	5/11/1990	8/21/1990	10/2/1990
	4918	4918	4918
1,1,1-TCA	--	--	--
1,1-DCA	--	--	--
1,1-DCE	--	--	--
PCE	12	14	18
TCE	120	53	56

	5/16/1990	8/21/1990	10/2/1990
	4918B	4918B	4918B
1,1,1-TCA	--	--	--
1,1-DCA	--	--	--
1,1-DCE	--	--	--
PCE	10.00	12.00	15.00
TCE	110.00	54.00	57.00

	8/16/1990
	NH-C01-325
1,1,1-TCA	0.00
1,1-DCA	2.00
1,1-DCE	0.00
PCE	12.00
TCE	2.00

	7/31/1989	9/11/1990
	NH-VPB-07	NH-VPB-07
1,1,1-TCA	0.00	0.00
1,1-DCA	3.00	19.00
1,1-DCE	0.00	0.00
PCE	14.00	75.00
TCE	5.00	38.00

Verdugo Fault
Sheldon St
N. Glenoaks Blvd
Bradley Pit Landfill
Gregg Pit/Benz Dump
4916C
I-5 Golden State Fr
Tujunga Well Field
Tuxford St
Penrose St
Verdugo Fault
11590 Tuxford St
4917B
4917A
San Fernando Rd
Roscoe Blvd
4927
4928C
4928B
4918
Penrose Landfill
Newberry Landfill
4918B
4928A
4918A
Strathern Landfill
NH-C22-360
Rinaldi-Toluca Well Field
NH-C01-325
NH-C05-320
NH-C16-390
Saticoy St
NH-VPB-07
LAMW2
LAMW1
LAMW3
NEW-3
NEW-2
NHE-1
NEW-1
NHOU Treatment Facility
Laurel Canyon
Lankershim Blvd
Tujunga Ave
NHE-2
NHE-3
Vanowen St.
NHE-4
NHE-5
NHE-6
Sherman Way
70 Hollywood Freeway
SCALE: 1" 2"
0' 1500' 3000'

LEGEND:

- Production Well
- Well Location
- Proposed NHOU Extraction Well
- NHOU Extraction Well
- New Monitoring Well Location
- Street
- Freeway
- Property Boundary

Figure 11: VOC Concentrations in Groundwater (1990, in µg/L)

CLIENT:
California Car Hikers

SITE LOCATION :
11590 Tuxford Street,
Sun Valley, California

Approved: UL
Drawn: DWS
Date: 1/12
Project No.: 2011-006
MAP NO: Well Field Map.cdr

LANDMARK ENGINEERING

	7/31/2007	9/4/2007	12/17/2010	4/1/2011	10/19/2011	4/6/2012
	4917A	4917A	4917A	4917A	4917A	4917A
1,1,1-TCA	0.00	0.00	ND<0.45	ND<0.45	ND<1	ND<0.150
1,1-DCA	0.00	0.00	ND<0.37	ND<0.37	ND<1	ND<0.372
1,1-DCE	0.00	0.00	ND<0.40	ND<0.40	ND<1	1.61
PCE	0.12	0.47	ND<0.51	ND<0.51	ND<1	ND<0.421
TCE	11.00	16.00	1.8	26	31.8	39.8

	1/25/2007	3/21/2007	6/4/2007	9/11/2007
	4927	4927	4927	4927
1,1,1-TCA	ND	ND	ND	ND
1,1-DCA	ND	ND	ND	ND
1,1-DCE	ND	ND	ND	ND
PCE	1.70	1.80	1.40	1.50
TCE	ND	ND	ND	0.24J

	7/31/2007	9/4/2007	12/17/2010	4/1/2011	10/19/2011	4/6/2012
	4917B	4917B	4917B	4917B	4917B	4917B
1,1,1-TCA	250.00	160.00	85	33	13.4	12.1
1,1-DCA	17.00	15.00	22	35	6.3	6.91
1,1-DCE	510.00	260.00	280	190	83.4	106
PCE	2.60	1.90	1.6	0.67	ND<1	ND<0.421
TCE	3.90	3.10	ND<0.30	0.85	ND<1	0.160J

	1/25/2007	3/21/2007	6/4/2007	9/11//2007
	4918	4918	4918	4918
1,1,1-TCA	11.00	ND	ND	ND
1,1-DCA	ND	ND	ND	ND
1,1-DCE	43.80	11.8	4.7	1.1
PCE	7.40	12.30	12.30	20.50
TCE	12.60	8.60	8.60	4.90

	10/19/2009	12/21/2010
	NH-C22-360	NH-C22-360
1,1,1-TCA	0.00	0.00
1,1-DCA	0.00	0.00
1,1-DCE	0.00	0.00
PCE	0.00	0.00
TCE	7.90	7.30

	12/20/2006	3/22/2007	6/5/2007	9/12/2007
	4928C	4928C	4928C	4928C
1,1,1-TCA	ND	ND	ND	ND
1,1-DCA	1.03	0.82J	0.7J	ND
1,1-DCE	ND	ND	ND	ND
PCE	7.48	10.30	8.7	11.9
TCE	0.21J	0.26J	0.2J	ND

	1/25/2007	3/21/2007	6/4/2007	9/11/2007
	4918B	4918B	4918B	4918B
1,1,1-TCA	ND	ND	ND	ND
1,1-DCA	ND	ND	ND	0.45J
1,1-DCE	ND	0.5J	ND	ND
PCE	8.60	6.30	4.70	5.70
TCE	35.80	36.60	37.10	39.70

	8/1/2007	9/6/2007
	4918A	4918A
1,1,1-TCA	0.56	0.42
1,1-DCA	0.50	0.67
1,1-DCE	0.00	0.00
PCE	1.30	1.70
TCE	4.40	4.20

	10/8/2009	12/15/2010
	NH-C16-390	NH-C16-390
1,1,1-TCA	0.00	0.55
1,1-DCA	2.70	0.98
1,1-DCE	0.00	2.80
PCE	0.77	1.40
TCE	3.60	16.00

	12/20/2006	3/22/2007	6/4/2007	9/12/2007
	4928A	4928A	4928A	4928A
1,1,1-TCA	ND	ND	ND	ND
1,1-DCA	1.30	ND	ND	ND
1,1-DCE	ND	ND	ND	ND
PCE	2.55	1.5	1.3	2.01
TCE	ND<0.50	ND	ND	ND

Bradley Pit Landfill
Gregg Pit/Benz Dump
4916C
11590 Tuxford St
4917B
4917A
4927
4928C
4928B
4918
Penrose Landfill
4918B
4918A
Newberry Landfill
4928A
Strathern Landfill
NH-C22-360
NH-C01-325
NH-C05-320
NH-C16-390
NH-VPB-07
NEW-3
NEW-2
NEW-1
NHE-1
NHE-2
MW3
Facility
Tujunga Well Field
Well Field
Hollywood Freeway
Verdugo Fault
Sheldon St
N. Glenoaks Blvd
Tuxford St
Penrose St
Webb Ave
Roscoe Blvd
San Fernando Rd
Strathern St
Saticoy St
Sherman Way
Laurel Canyon Blvd.
SCALE: 1" = 2"
0' 1500' 3000'

LEGEND:

- Production Well
- Well Location
- Proposed NHOU Extraction Well
- NHOU Extraction Well
- New Monitoring Well Location
- Street
- Freeway
- Property Boundary

Figure 12: VOC Concentrations in Groundwater (2000s, in µg/L)

CLIENT: California Car Hikers

SITE LOCATION : 11590 Tuxford Street, Sun Valley, California

Approved: UL
Drawn: DWS
Date: 1/12
Project No.: 2011-006
MAP NO: Well Field Map.cdr

LANDMARK ENGINEERING

Figure 13
PCE Concentrations in Selected Wells

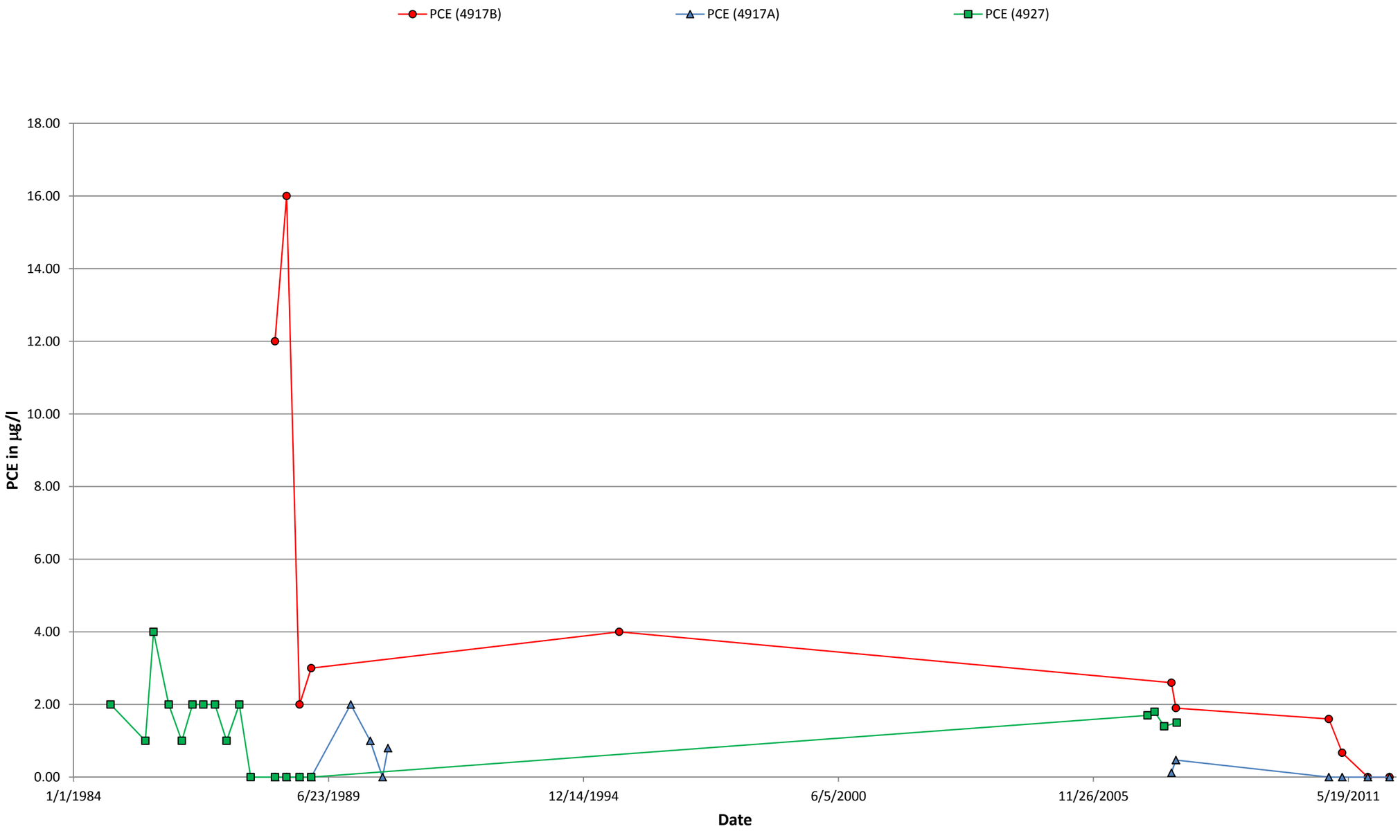


Figure 14
TCE Concentrations in Selected Wells

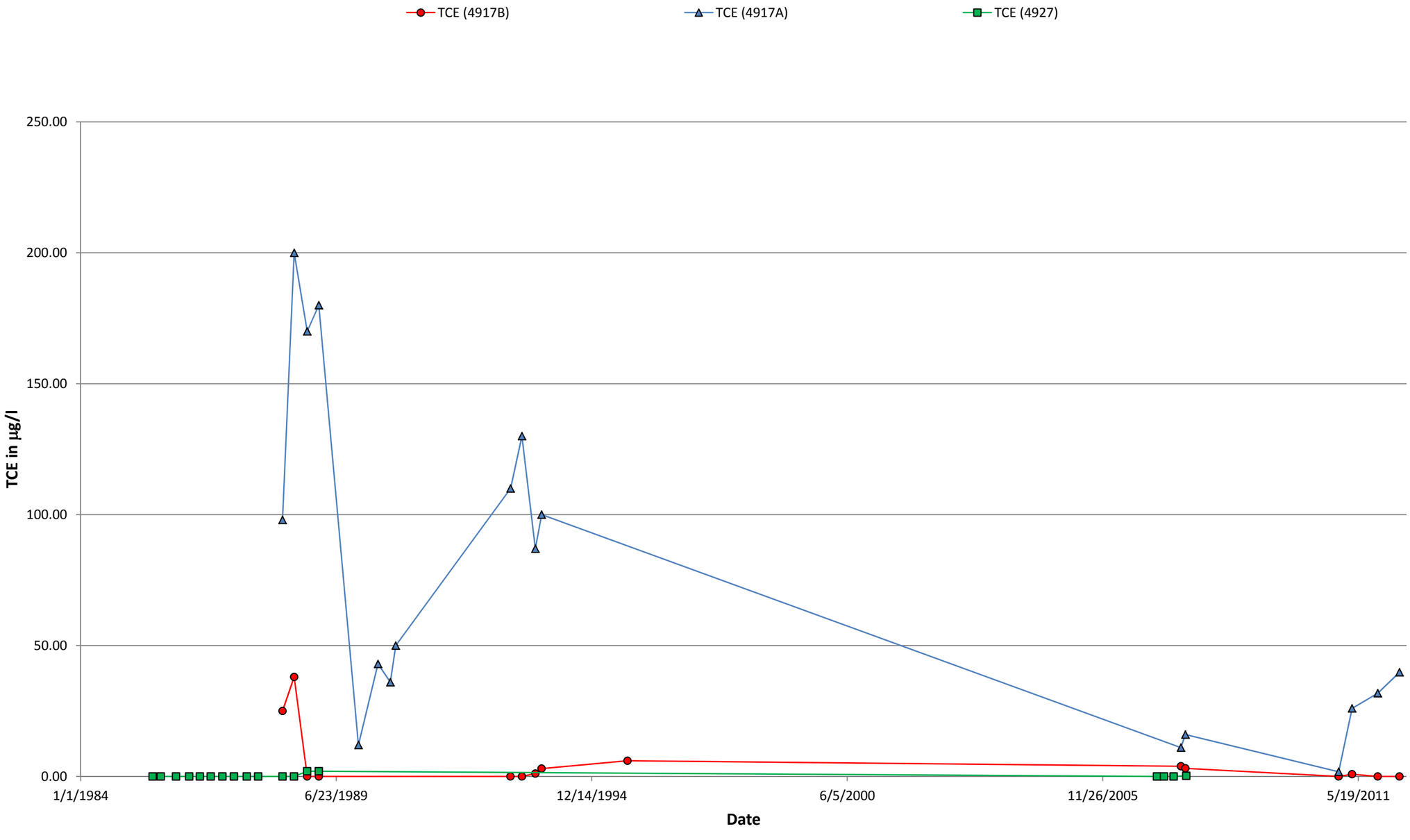


Figure 15
PCE Concentrations in Selected Wells

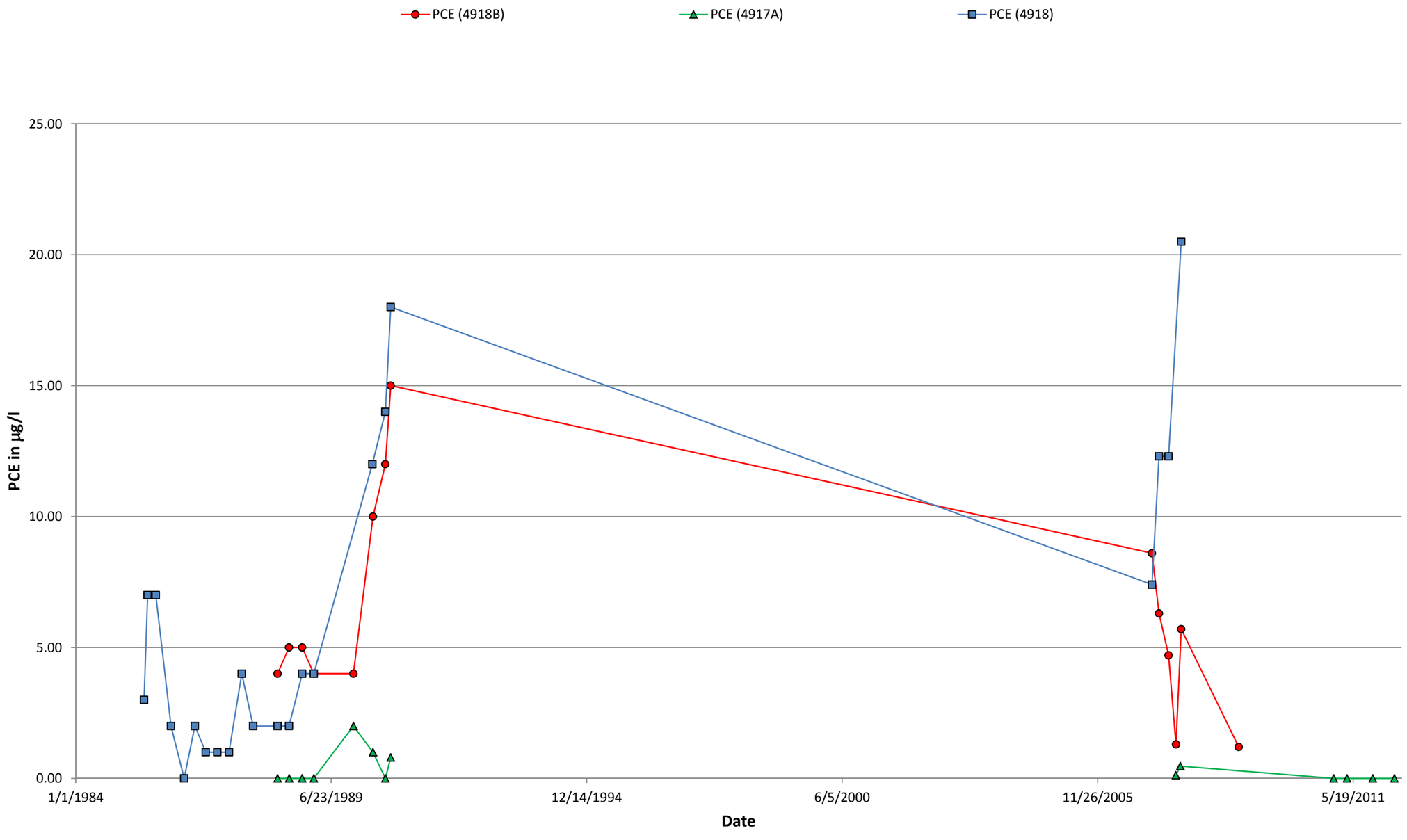
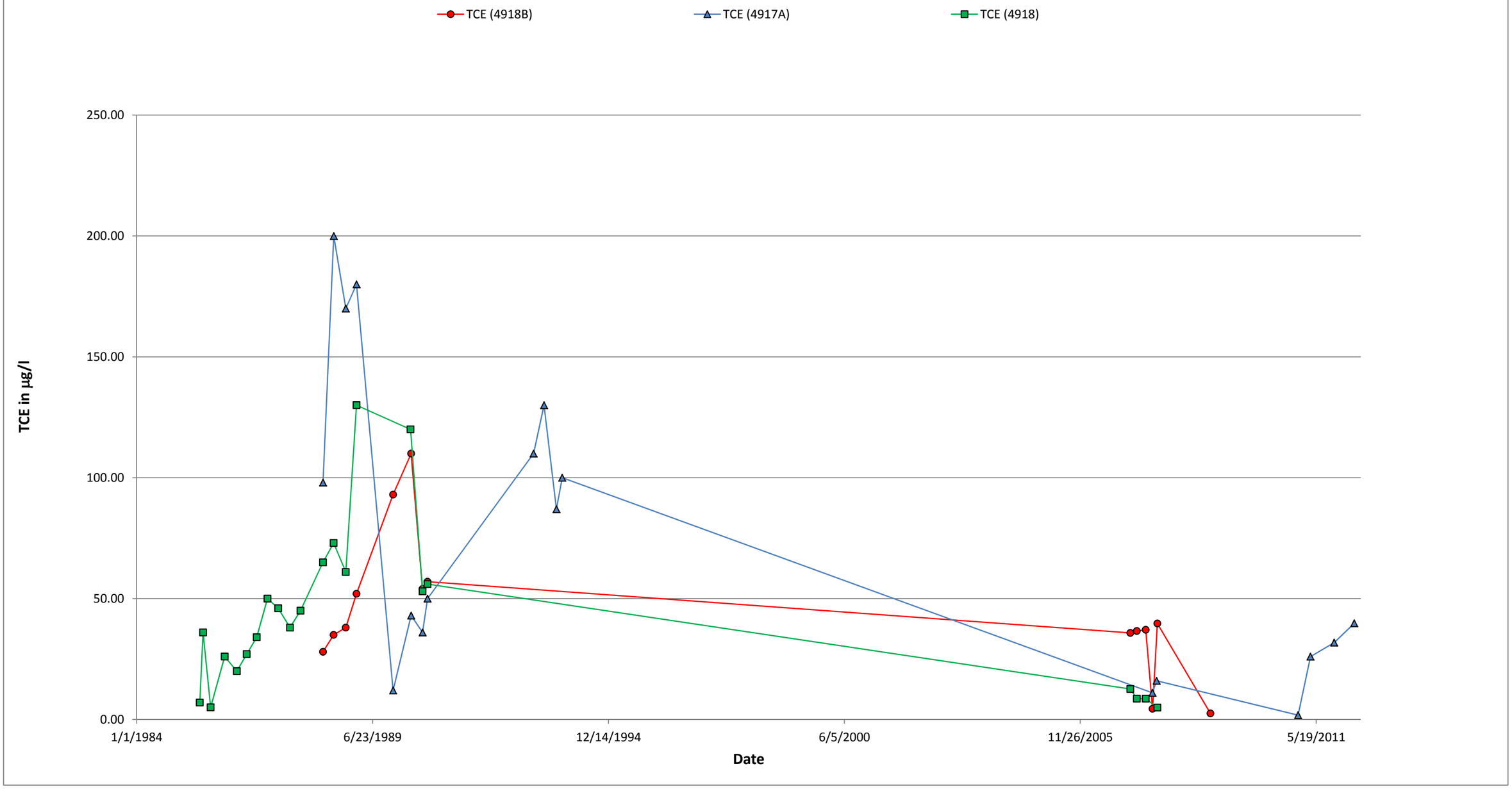


Figure 16
TCE Concentrations in Selected Wells



4916C

Bradley Pit Landfill

11590 Tuxford Street

Tuxford St

San Fernando Rd.

Penrose St

Verdugo Fault

I-5 Golden State Fwy.

14

1

2/34

51

38

39

19/20/29

4/17

3

23/46/55

32/44

8/21/27/48

30

9/61

41/49/56

54/58

43/53/62

33/42/57

60

18/45/50

5/12/47

10

28

13

25

15/24

6

7

31

11/22/26/40

16/35/36/37/52/59

?

Possible Source Area

?

?

?

4927

(ND<1.00)

Newberry Landfill

4928B

(ND<1.00)

4918

(50.00)

Penrose Landfill

Approximate groundwater flow direction prior to 1988

(37.00)

(30.00)

4928A

4918A

Strathern St.

Tujunga Ave.

ND<1.00

10

?

?

?

Strathern Landfill

SCALE: 1" 2"

0' 600' 1200'

Sites of Interest

#1	Accurate Engineering	8710 Telfair Avenue
#2	Aircraft Tank Service	8655 Tamarack Avenue
#3	Aviron Airmotive Co.	8649 San Fernando Road
#4	Aviron Genex	8647 San Fernando Road
#5	B&D Custom Metal Fabrication	8510 San Fernando Road
#6	Ben Line Products Cabinets	11281 Goss Street
#7	Berkot Manufacturing	11285 Goss Street
#8	Black Jack Automotive System, Inc.	11428 Fleetwood Street
#9	C&R Industries Machine Works	8615 San Fernando Road
#10	Cee Jay Machine	8524 Tujunga Avenue
#11	Clipper Industries	11321 Goss Street
#12	Complete Screw Products	8510 San Fernando Road
#13	Croddy Machine Shop	11351 Penrose Street
#14	Dixon Hardchrome	11645 Pendleton Street
#15	Fine Metal Mfg.	11273 Goss Street
#16	General Airmotive Corp.	8520 Tujunga Avenue
#17	Genex, Inc.	8647 San Fernando Road
#18	Globe Aerospace	11331 Penrose Street
#19	Grier Engineering & Construction Tools	11422 Fleetwood Street
#20	Hayes Aircraft Supply	11422 Fleetwood Street
#21	Hinco Engineering, Co.	11428 Fleetwood Street
#22	Hunter Industries	11321 Goss Street
#23	Industrial Fasteners	8560 Tujunga Avenue
#24	Jensens Precision Metalcraft	11273 Goss Street
#25	Jerome Industries	11320 Penrose Street
#26	Kenskill Trailer Corp.	11321 Goss Street
#27	Kuhn Mfg	11428 Fleetwood Street
#28	Lado Mfg	11400 Luddington Street
#29	Lite Weight Tool & Mfg Co.	11422 Fleetwood Street
#30	Lite Weight Tool & Mfg. Co.	8621 San Fernando Road
#31	Mail Pac	8430 Tujunga Avenue
#32	Maribil Tool and Mfg Co.	11416 Fleetwood Street
#33	Metal Fab Engineering	11370 Luddington Street
#34	MonogramGVI	8655 Tamarack Avenue
#35	Morehouse Engineering	8520 Tujunga Avenue
#36	Morehouse Engineering	8520 San Fernando Road
#37	Perma-Packs	8520 Tujunga Avenue
#38	Precision Die and Stamp	11519 Tuxford Street
#39	Precision Die and Stamp	11533 Tuxford Street
#40	Prime Plating	11321 Goss Street
#41	Production Milling	8540 Tujunga Avenue
#42	Production Saw Works	11370 Luddington Street
#43	Production Saw Works	11374 Luddington Street
#44	Riteway Industries	11416 Fleetwood Street
#45	RL Anodizing	11331 Penrose Street
#46	Rooke Engineering	8560 Tujunga Avenue
#47	Roscoe Sheet Metal Work	8508 San Fernando Road
#48	Star Hardware Supply, Inc.	11428 Fleetwood Street
#49	Stretchcoat	8540 Tujunga Avenue
#50	Studwell Tooling Co.	11331 Penrose Street
#51	Sun Valley Paper Stock	8701 San Fernando Road
#52	Superscope	8520 Tujunga Avenue
#53	Swanson Mfg.Engineering	11374 Luddington Street
#54	Tangvald Tool & Mfg. Co	11380 Luddington Street
#55	Technical Plastics Co.	8560 Tujunga Avenue
#56	Thomas Jas C	8540 Tujunga Avenue
#57	Tom Farrar Co	11370 Luddington Street
#58	Torrance John W. Machine Shop	11390 Luddington Street
#59	Turner Vernon B, Inc.	8520 Tujunga Avenue
#60	Welch Metal Products	8557 San Fernando Road
#61	Wells Mfg	8615 San Fernando Road
#62	Westlake Grinding Service	11374 Luddington Street

LEGEND:

- Well Location
- Approximate Outline of Property Boundary
- Street
- Freeway
- Sites of Interest: Tujunga-Penrose-San Fernando Triangle
- Other Sites of Interest
- (50.00) TCE Concentration in Groundwater (µg/L)
- 10 TCE isoconcentration in Groundwater (µg/L)

FIGURE 17: TCE Plume and Maximum TCE Concentrations in Groundwater (1984 - 1987)

CLIENT: California Car Hikers

SITE LOCATION : 11590 Tuxford Street Sun Valley, California

Approved: UL

Drawn: DWS

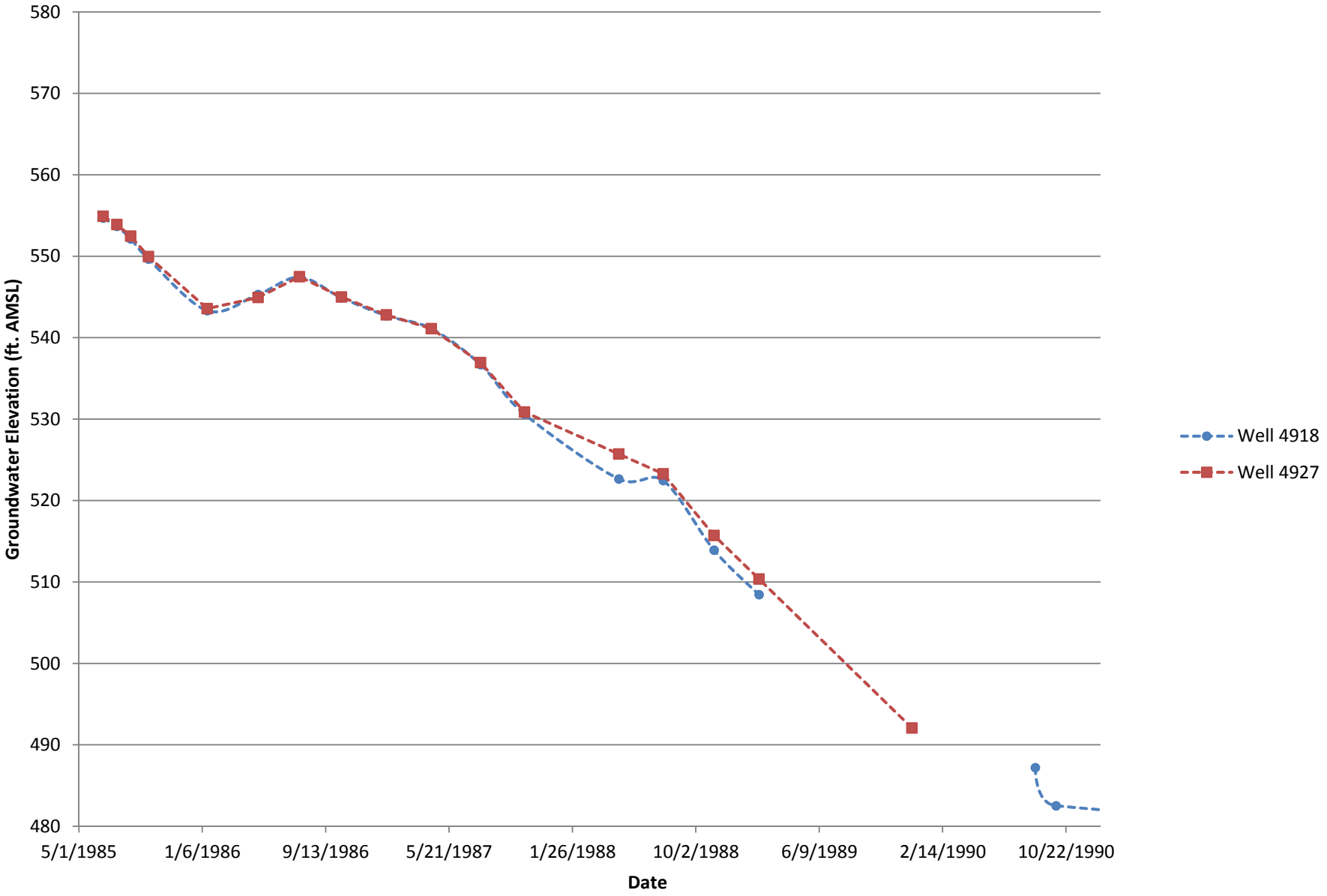
Date: 1/12

Project No.: 2011-006

MAP NO: Revised PRP Map.cdr

LANDMARK ENGINEERING

Figure 18 - Groundwater Elevations Changes in the NHOU



4916C

Bradley Pit Landfill

Lankershim Blvd.

San Fernando Rd.

Tuxford St

Penrose St

Verdugo Fault

I-5 Golden State Fwy.

14

1

2/34

51

38

39

19/20/29

4/17

3

23/46/55

32/44

8/21/27/48

30

9/61

41/49/56

54/58

43/53/62

33/42/57

60

18/45/50

5/12/47

28

13

10

100

25

15/24

6

7

31

11/22/26/40

16/35/36/37/52/59

(25.00)

4917B

11590 Tuxford Street

(98.00)

4917A

4927

(0.00)

Newberry Landfill

4928C

4928B

(0.00)

4918

(65.00)

Penrose Landfill

4918B

(28.00)

(68.00)

4918A

4928A

Strathern St.

Tujunga Ave.

Strathern Landfill

SCALE: 1" 2"

0' 600' 1200'

Sites of Interest

#1	Accurate Engineering	8710 Telfair Avenue
#2	Aircraft Tank Service	8655 Tamarack Avenue
#3	Aviron Airmotive Co.	8649 San Fernando Road
#4	Aviron Genex	8647 San Fernando Road
#5	B&D Custom Metal Fabrication	8510 San Fernando Road
#6	Ben Line Products Cabinets	11281 Goss Street
#7	Berkot Manufacturing	11285 Goss Street
#8	Black Jack Automotive System, Inc.	11428 Fleetwood Street
#9	C&R Industries Machine Works	8615 San Fernando Road
#10	Cee Jay Machine	8524 Tujunga Avenue
#11	Clipper Industries	11321 Goss Street
#12	Complete Screw Products	8510 San Fernando Road
#13	Croddy Machine Shop	11351 Penrose Street
#14	Dixon Hardchrome	11645 Pendleton Street
#15	Fine Metal Mfg.	11273 Goss Street
#16	General Airmotive Corp.	8520 Tujunga Avenue
#17	Genex, Inc.	8647 San Fernando Road
#18	Globe Aerospace	11331 Penrose Street
#19	Grier Engineering & Construction Tools	11422 Fleetwood Street
#20	Hayes Aircraft Supply	11422 Fleetwood Street
#21	Hinco Engineering, Co.	11428 Fleetwood Street
#22	Hunter Industries	11321 Goss Street
#23	Industrial Fasteners	8560 Tujunga Avenue
#24	Jensens Precision Metalcraft	11273 Goss Street
#25	Jerome Industries	11320 Penrose Street
#26	Kenskill Trailer Corp.	11321 Goss Street
#27	Kuhn Mfg	11428 Fleetwood Street
#28	Lado Mfg	11400 Luddington Street
#29	Lite Weight Tool & Mfg Co.	11422 Fleetwood Street
#30	Lite Weight Tool & Mfg. Co.	8621 San Fernando Road
#31	Mail Pac	8430 Tujunga Avenue
#32	Maribil Tool and Mfg Co.	11416 Fleetwood Street
#33	Metal Fab Engineering	11370 Luddington Street
#34	MonogramGVI	8655 Tamarack Avenue
#35	Morehouse Engineering	8520 Tujunga Avenue
#36	Morehouse Engineering	8520 San Fernando Road
#37	Perma-Packs	8520 Tujunga Avenue
#38	Precision Die and Stamp	11519 Tuxford Street
#39	Precision Die and Stamp	11533 Tuxford Street
#40	Prime Plating	11321 Goss Street
#41	Production Milling	8540 Tujunga Avenue
#42	Production Saw Works	11370 Luddington Street
#43	Production Saw Works	11374 Luddington Street
#44	Riteway Industries	11416 Fleetwood Street
#45	RL Anodizing	11331 Penrose Street
#46	Rooke Engineering	8560 Tujunga Avenue
#47	Roscoe Sheet Metal Work	8508 San Fernando Road
#48	Star Hardware Supply, Inc.	11428 Fleetwood Street
#49	Stretchcoat	8540 Tujunga Avenue
#50	Studwell Tooling Co.	11331 Penrose Street
#51	Sun Valley Paper Stock	8701 San Fernando Road
#52	Superscope	8520 Tujunga Avenue
#53	Swanson Mfg.Engineering	11374 Luddington Street
#54	Tangvald Tool & Mfg. Co	11380 Luddington Street
#55	Technical Plastics Co.	8560 Tujunga Avenue
#56	Thomas Jas C	8540 Tujunga Avenue
#57	Tom Farrar Co	11370 Luddington Street
#58	Torrance John W. Machine Shop	11390 Luddington Street
#59	Turner Vernon B, Inc.	8520 Tujunga Avenue
#60	Welch Metal Products	8557 San Fernando Road
#61	Wells Mfg	8615 San Fernando Road
#62	Westlake Grinding Service	11374 Luddington Street

LEGEND:

- Well Location
- Street
- Freeway
- Property Boundary
- (98.00) TCE Concentration in Groundwater (µg/L)
- 100 TCE isoconcentration Contour in µg/l

FIGURE 19: TCE Plume in Groundwater (April, 1988)

CLIENT: California Car Hikers

SITE LOCATION : 11590 Tuxford Street Sun Valley, California

Approved: UL

Drawn: DWS

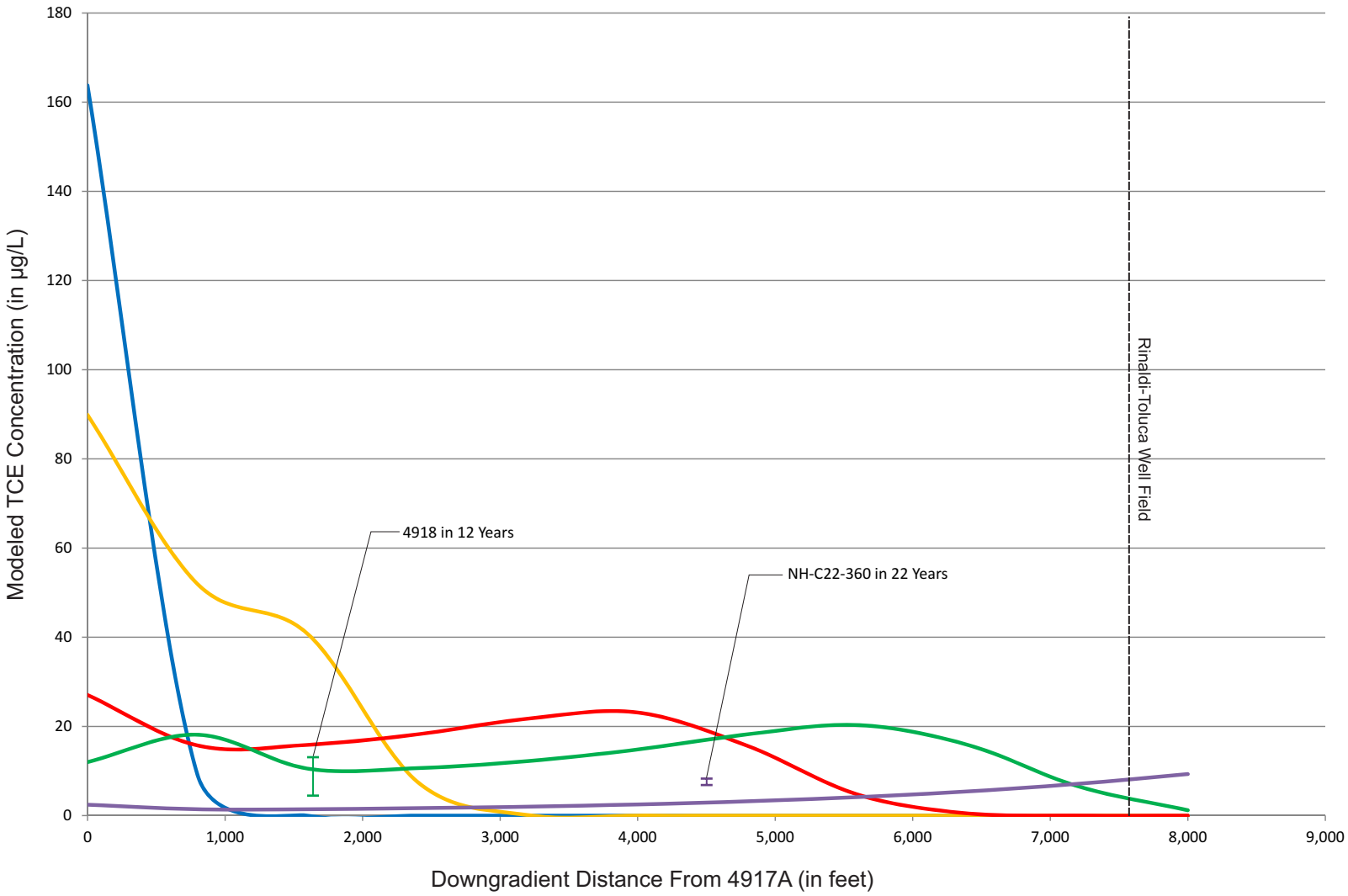
Date: 1/12

Project No.: 2011-006

MAP NO: Revised PRP Map.cdr

LANDMARK ENGINEERING

TCE Concentrations in Groundwater Along Plume Centerline Modeled Using BIOCHLOR

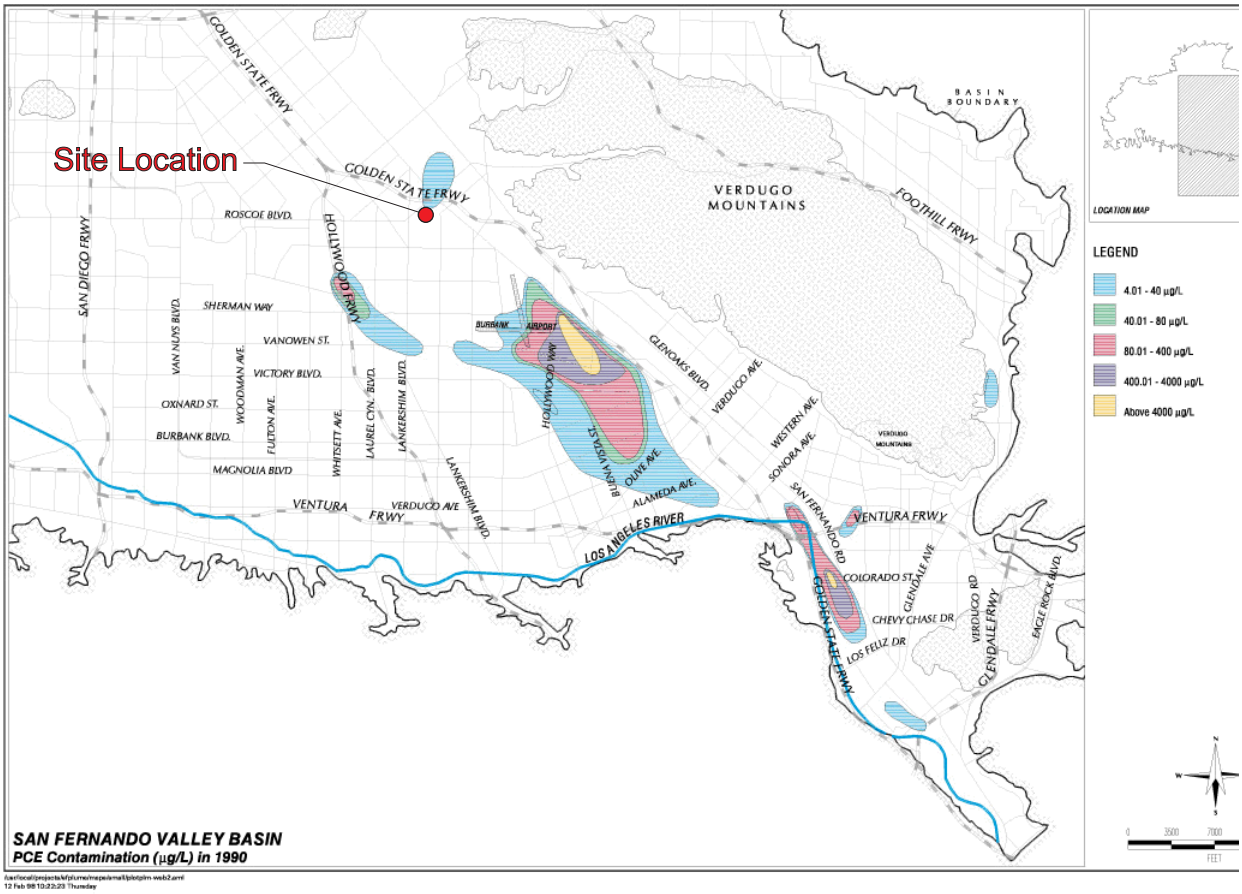


Simulation Time Since Release
- 1 year
- 4 years
- 10 Years
- 12 Years
- 22 Years

	Project Name: California Car Hikers 11590 TUXFORD STREET, SUN VALLEY, CALIFORNIA				
	Title: TCE Concentrations Along Plume Centerline (NO DEGRADATION/BIOTRANSFORMATION)				
	Drafted By: DWS	**Approved By:** UML	**Project No.:** 2011-006	**Date:** 3/12	**Figure No.:** 20

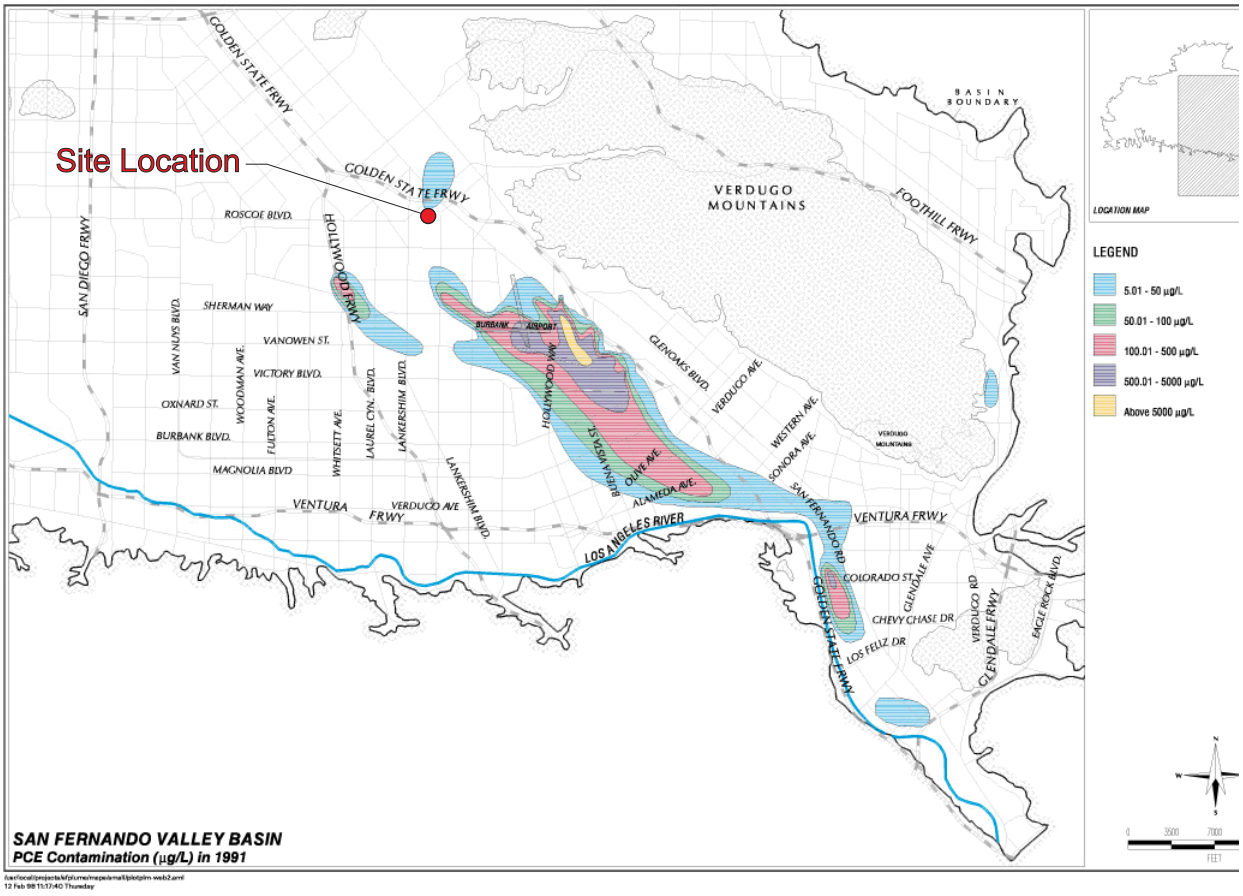
APPENDIX A

PCE and TCE Plume Maps



Source: USEPA Region 9: San Fernando Valley Superfund Site <http://www.epa.gov/region9/superfund/>

Project Name: California Car Hikers 11590 Tuxford Street, Sun Valley, California				
Title: PCE Contamination in Groundwater San Fernando Valley Basin				
Drafted By: DWS	**Approved By:** UML	**Project No.:** 2011-006	**Date:** 2/12	**Scale:** As shown

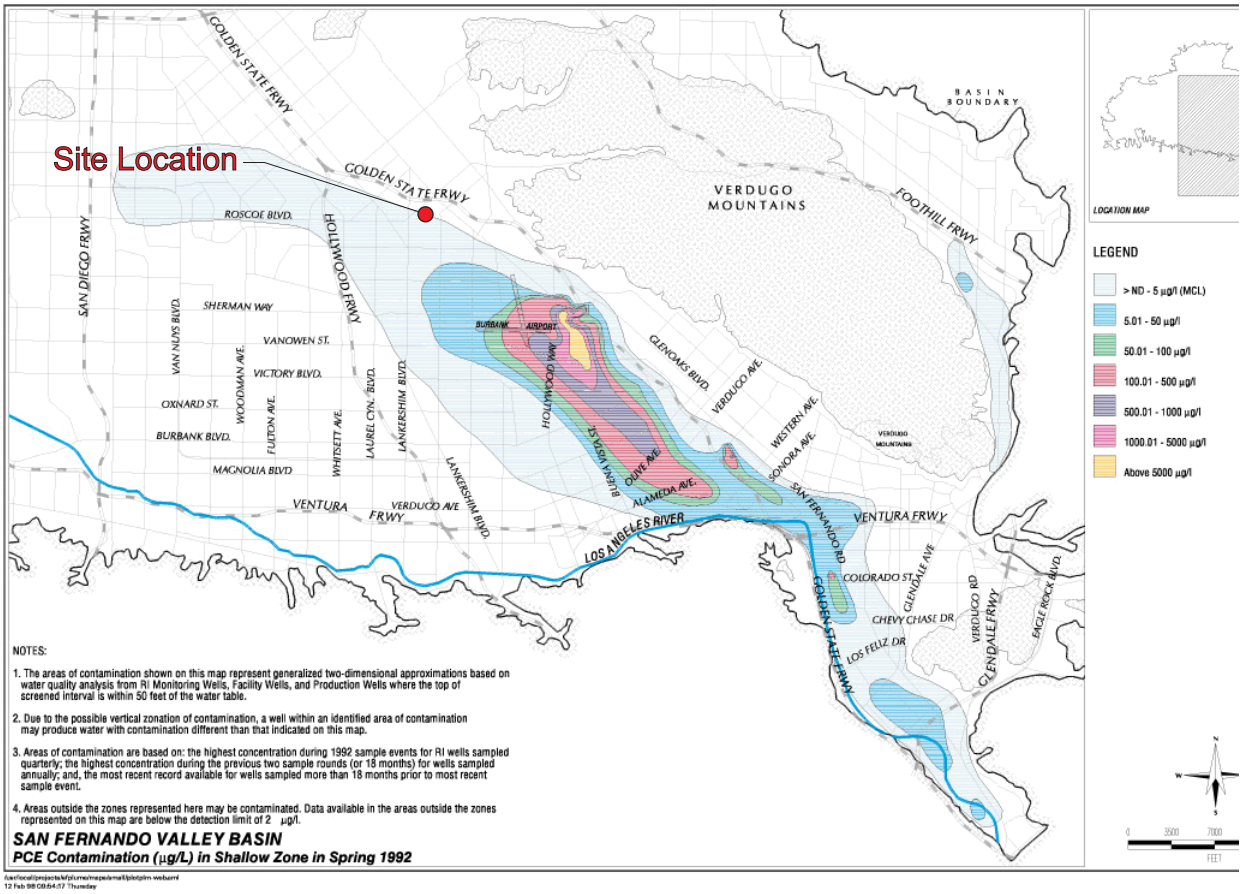


Source: USEPA Region 9: San Fernando Valley Superfund Site <http://www.epa.gov/region9/superfund/>

N

LANDMARK ENGINEERING

Project Name: California Car Hikers 11590 Tuxford Street, Sun Valley, California				
Title: PCE Contamination in Groundwater San Fernando Valley Basin				
Drafted By: DWS	**Approved By:** UML	**Project No.:** 2011-006	**Date:** 2/12	**Scale:** As shown

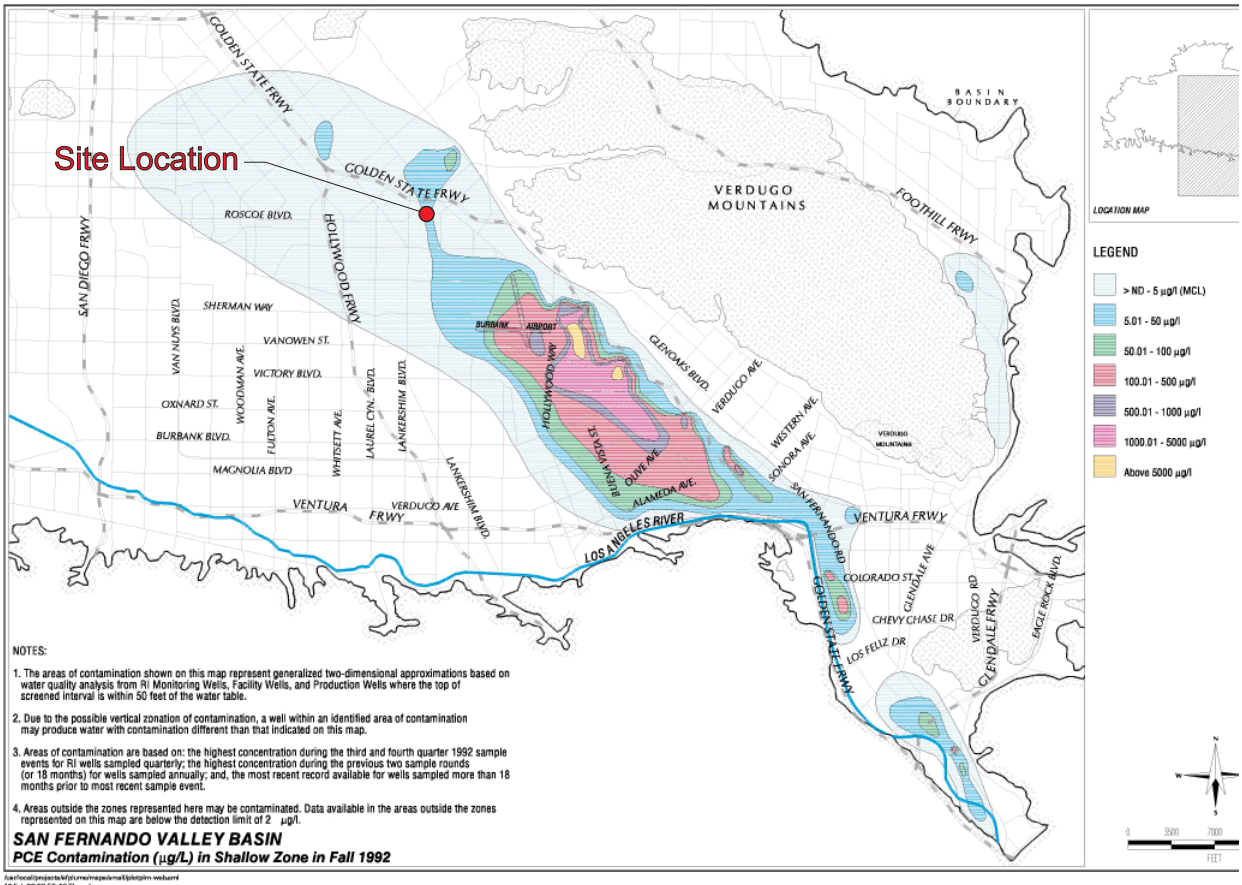


Source: USEPA Region 9: San Fernando Valley Superfund Site <http://www.epa.gov/region9/superfund/>

N

LANDMARK ENGINEERING

Project Name: California Car Hikers 11590 Tuxford Street, Sun Valley, California				
Title: PCE Contamination in Groundwater San Fernando Valley Basin				
Drafted By: DWS	**Approved By:** UML	**Project No.:** 2011-006	**Date:** 2/12	**Scale:** As shown

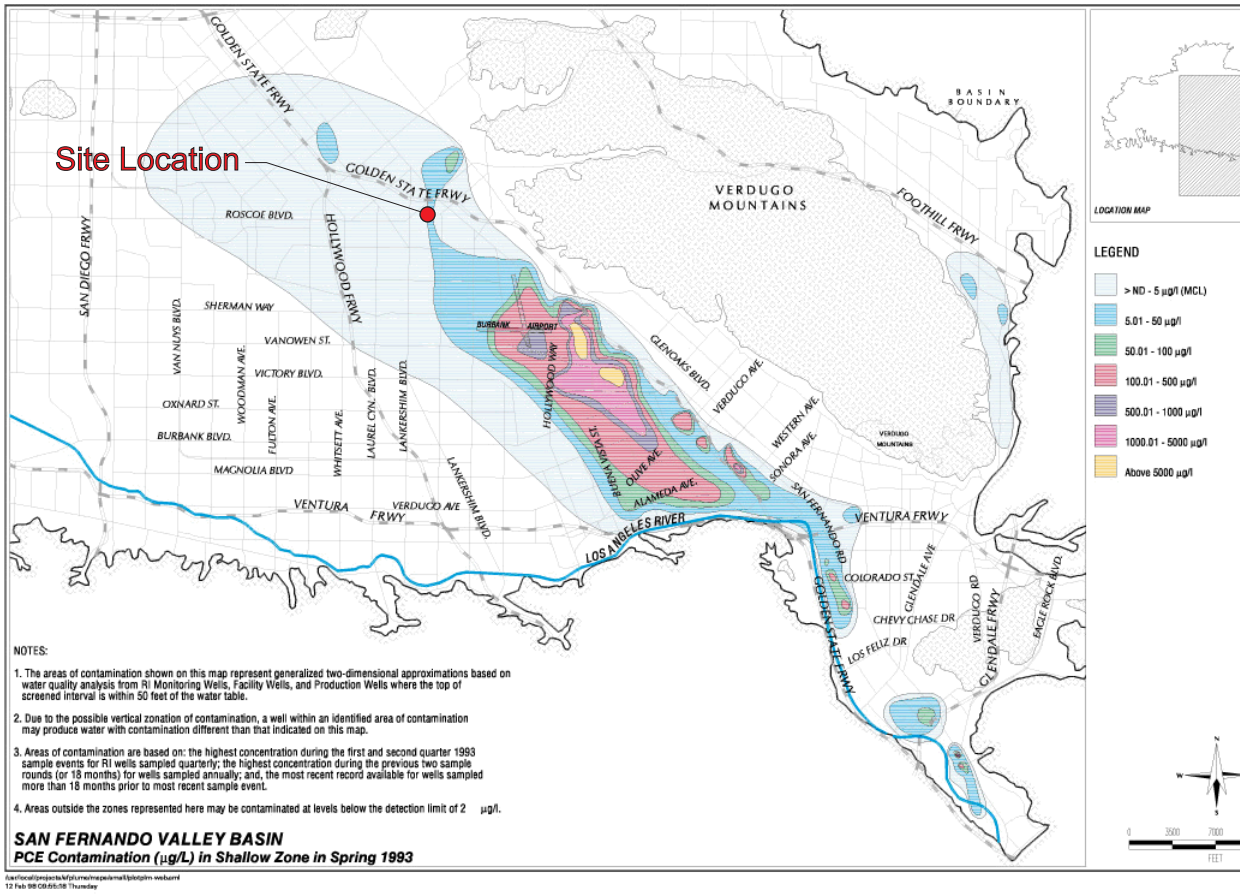


Source: USEPA Region 9: San Fernando Valley Superfund Site <http://www.epa.gov/region9/superfund/>

N

LANDMARK ENGINEERING

Project Name: California Car Hikers 11590 Tuxford Street, Sun Valley, California				
Title: PCE Contamination in Groundwater San Fernando Valley Basin				
Drafted By: DWS	**Approved By:** UML	**Project No.:** 2011-006	**Date:** 2/12	**Scale:** As shown

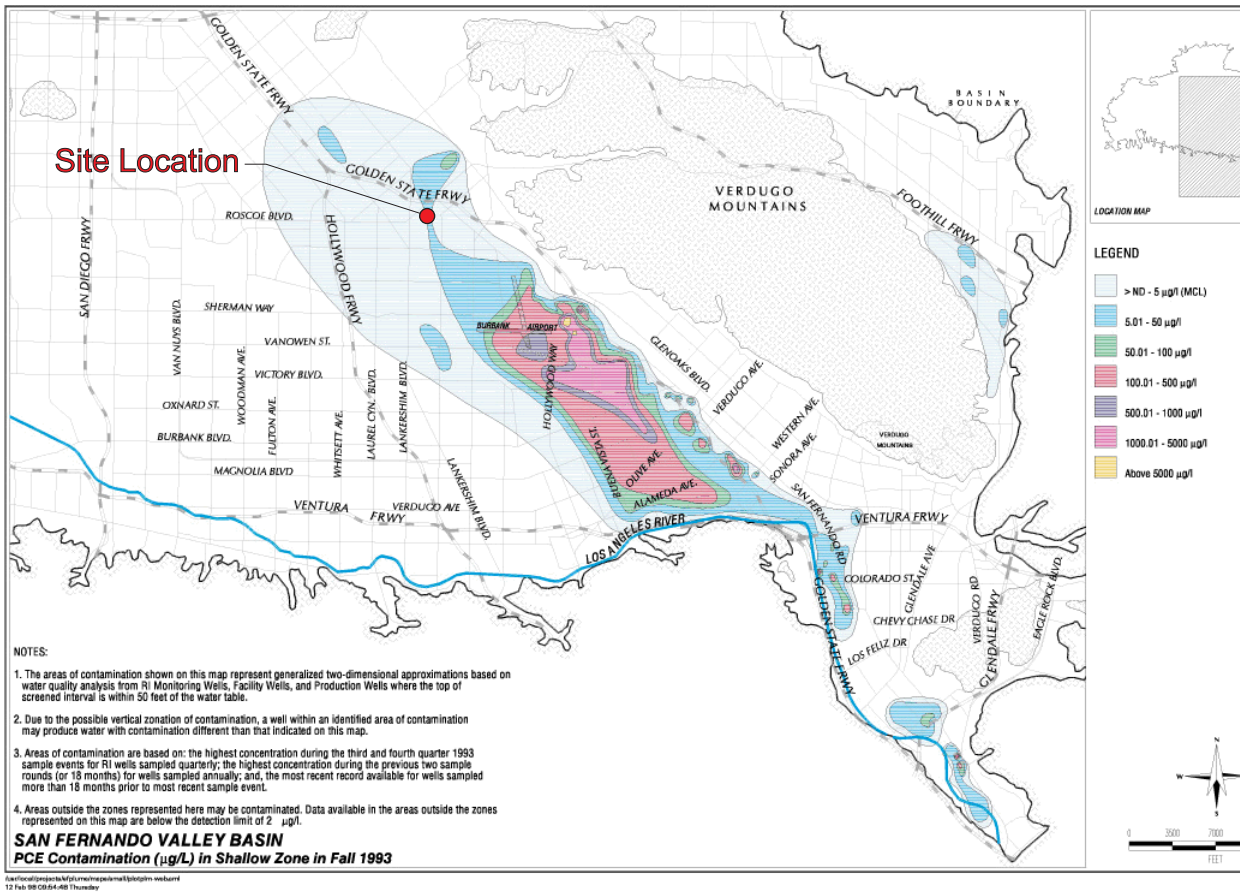


Source: USEPA Region 9: San Fernando Valley Superfund Site <http://www.epa.gov/region9/superfund/>

N

LANDMARK ENGINEERING

Project Name: California Car Hikers 11590 Tuxford Street, Sun Valley, California				
Title: PCE Contamination in Groundwater San Fernando Valley Basin				
Drafted By: DWS	**Approved By:** UML	**Project No.:** 2011-006	**Date:** 2/12	**Scale:** As shown

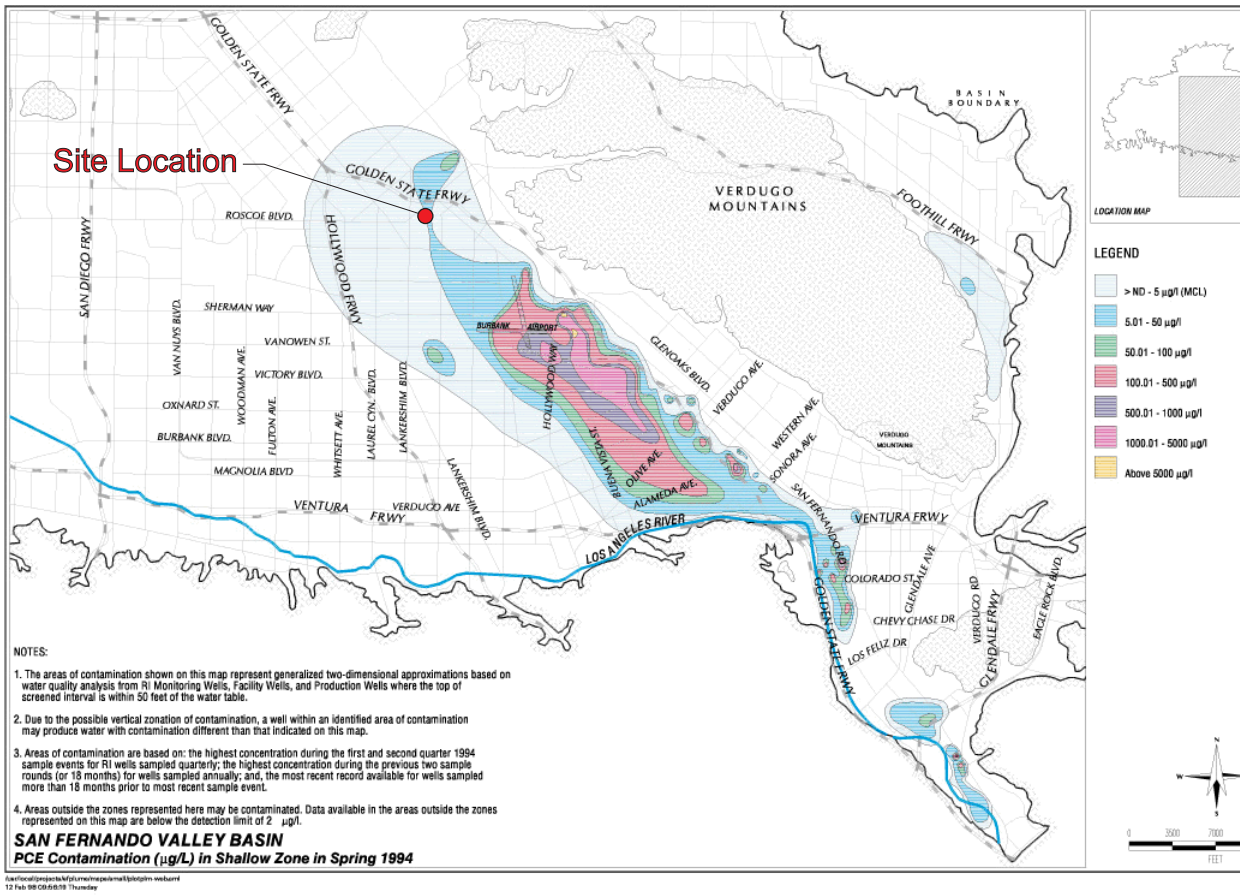


Source: USEPA Region 9: San Fernando Valley Superfund Site <http://www.epa.gov/region9/superfund/>

N

LANDMARK ENGINEERING

Project Name: California Car Hikers 11590 Tuxford Street, Sun Valley, California				
Title: PCE Contamination in Groundwater San Fernando Valley Basin				
Drafted By: DWS	**Approved By:** UML	**Project No.:** 2011-006	**Date:** 2/12	**Scale:** As shown

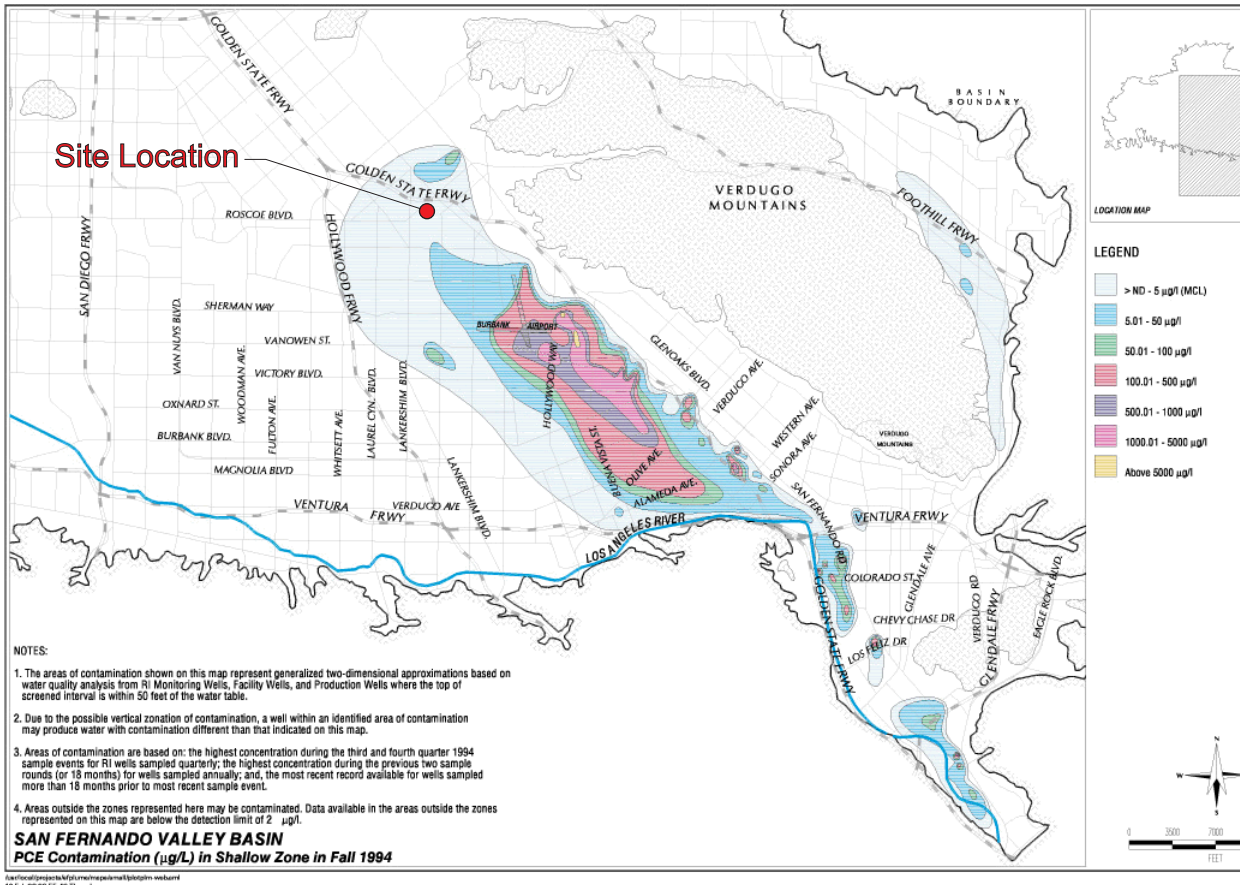


Source: USEPA Region 9: San Fernando Valley Superfund Site <http://www.epa.gov/region9/superfund/>

N

LANDMARK ENGINEERING

Project Name: California Car Hikers 11590 Tuxford Street, Sun Valley, California				
Title: PCE Contamination in Groundwater San Fernando Valley Basin				
Drafted By: DWS	**Approved By:** UML	**Project No.:** 2011-006	**Date:** 2/12	**Scale:** As shown

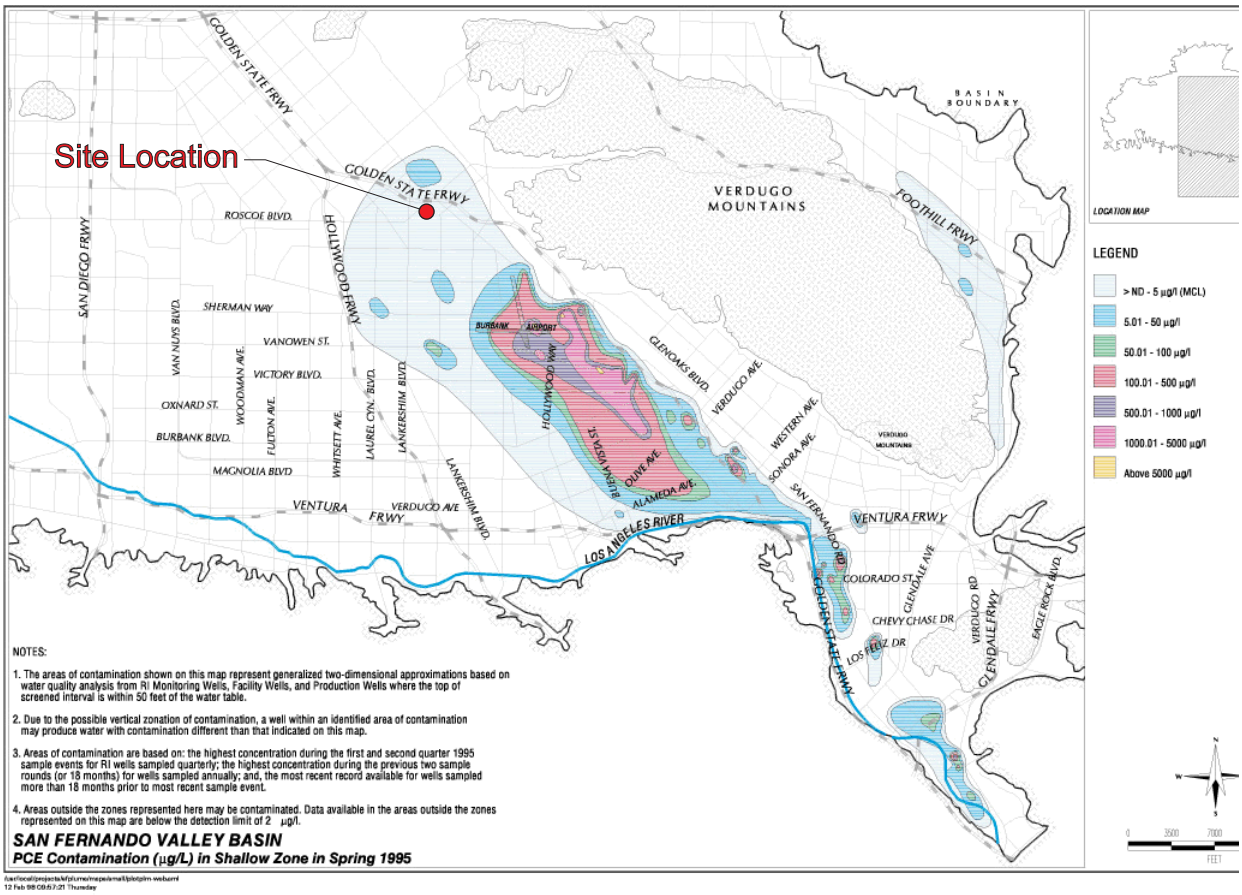


Source: USEPA Region 9: San Fernando Valley Superfund Site <http://www.epa.gov/region9/superfund/>

N

LANDMARK ENGINEERING

Project Name: California Car Hikers 11590 Tuxford Street, Sun Valley, California				
Title: PCE Contamination in Groundwater San Fernando Valley Basin				
Drafted By: DWS	**Approved By:** UML	**Project No.:** 2011-006	**Date:** 2/12	**Scale:** As shown

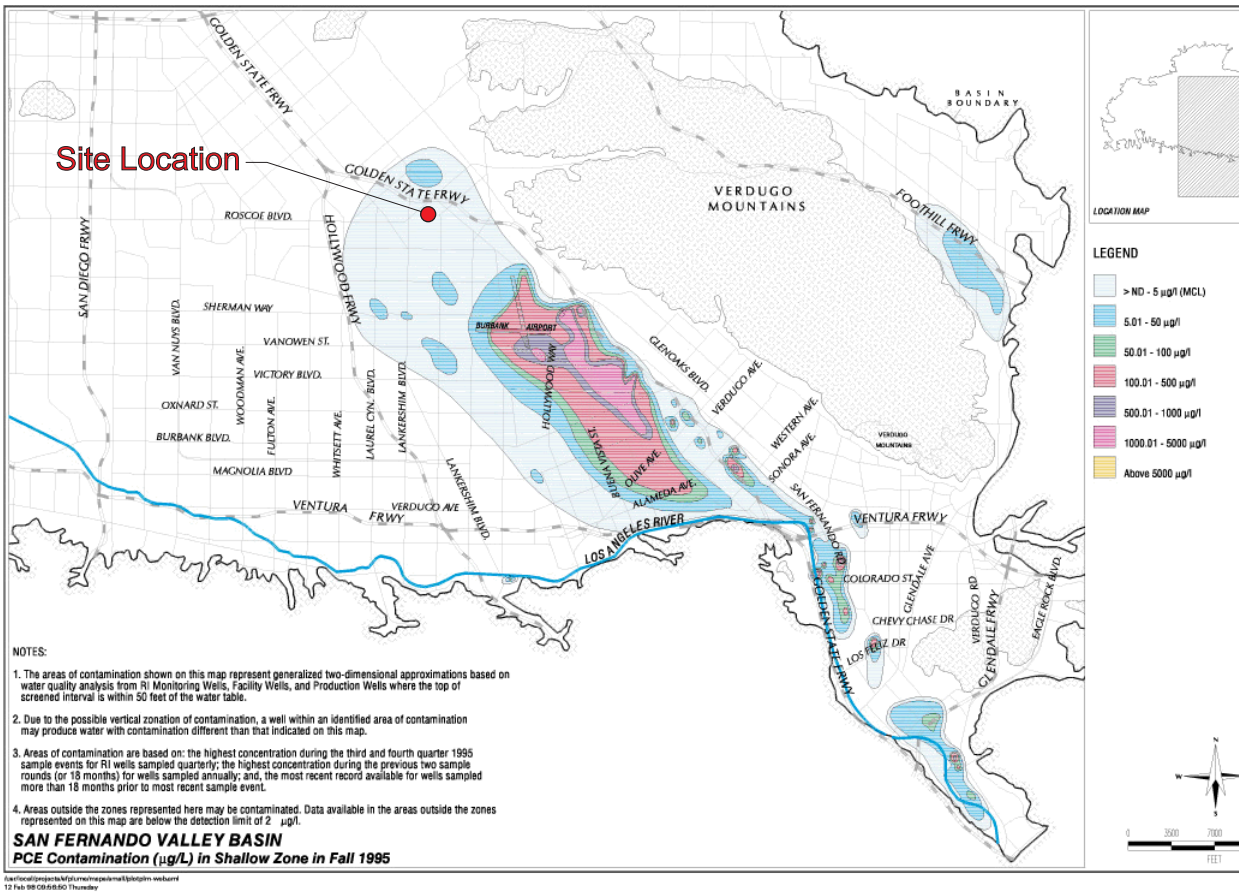


Source: USEPA Region 9: San Fernando Valley Superfund Site <http://www.epa.gov/region9/superfund/>

N

LANDMARK ENGINEERING

Project Name: California Car Hikers 11590 Tuxford Street, Sun Valley, California				
Title: PCE Contamination in Groundwater San Fernando Valley Basin				
Drafted By: DWS	**Approved By:** UML	**Project No.:** 2011-006	**Date:** 2/12	**Scale:** As shown

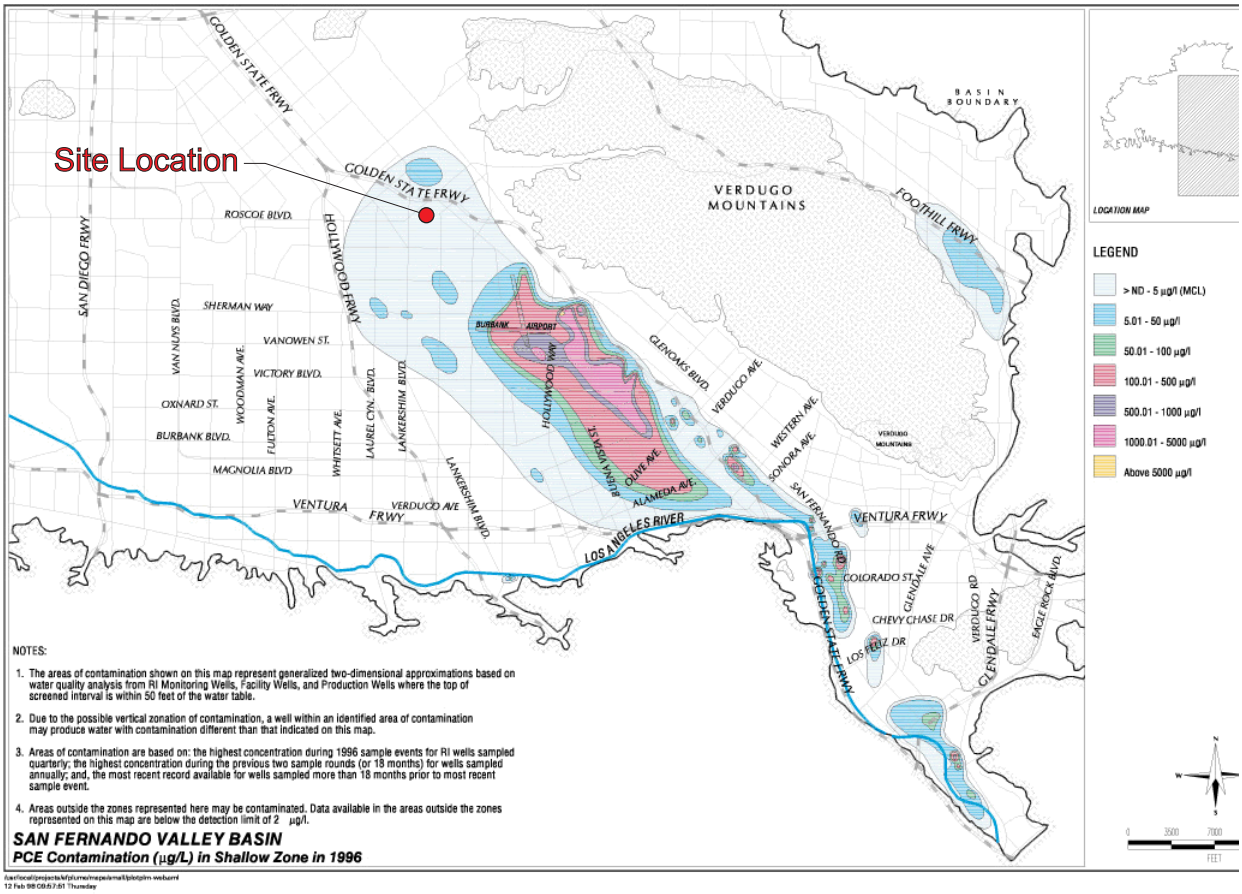


Source: USEPA Region 9: San Fernando Valley Superfund Site <http://www.epa.gov/region9/superfund/>

N

LANDMARK ENGINEERING

Project Name: California Car Hikers 11590 Tuxford Street, Sun Valley, California				
Title: PCE Contamination in Groundwater San Fernando Valley Basin				
Drafted By: DWS	**Approved By:** UML	**Project No.:** 2011-006	**Date:** 2/12	**Scale:** As shown



Source: USEPA Region 9: San Fernando Valley Superfund Site <http://www.epa.gov/region9/superfund/>

N

LANDMARK ENGINEERING

Project Name: California Car Hikers 11590 Tuxford Street, Sun Valley, California				
Title: PCE Contamination in Groundwater San Fernando Valley Basin				
Drafted By: DWS	**Approved By:** UML	**Project No.:** 2011-006	**Date:** 2/12	**Scale:** As shown

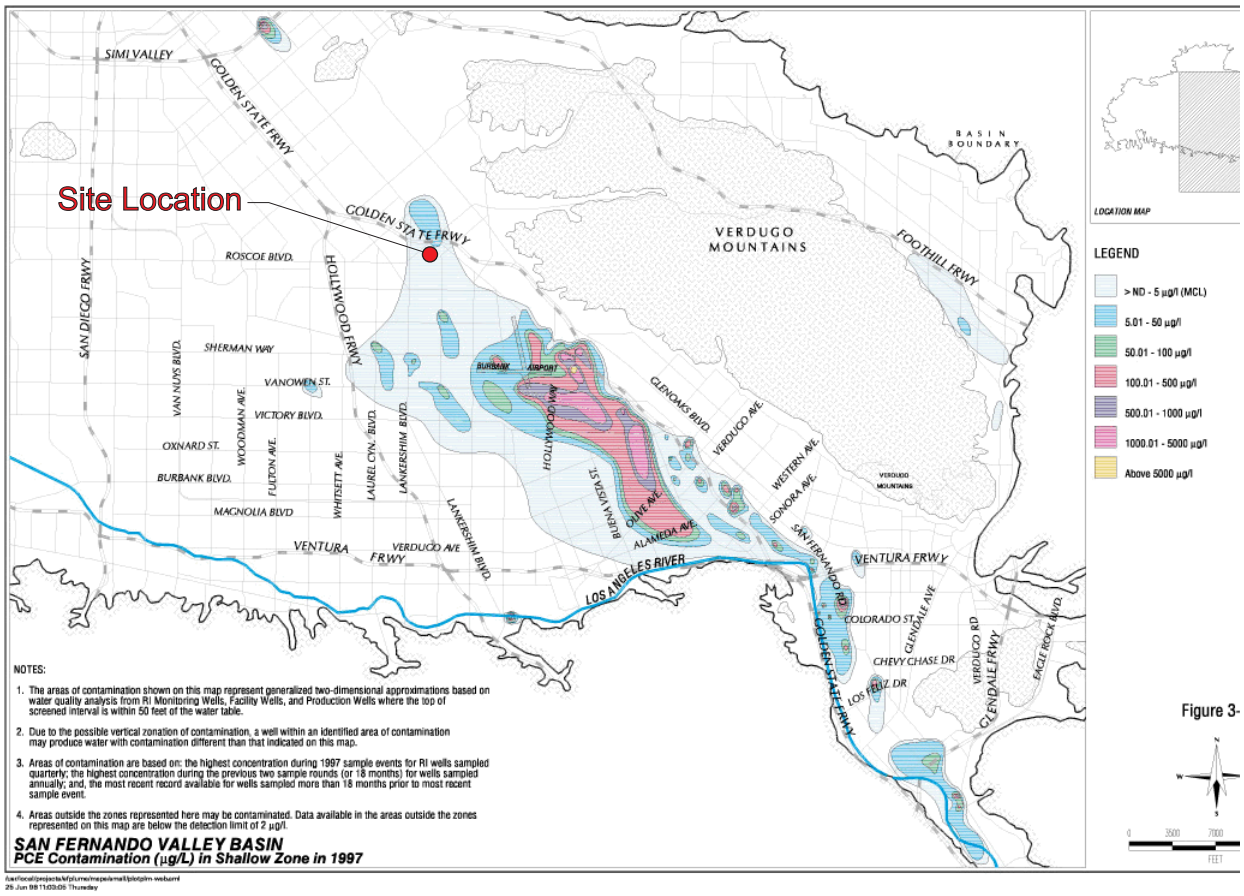


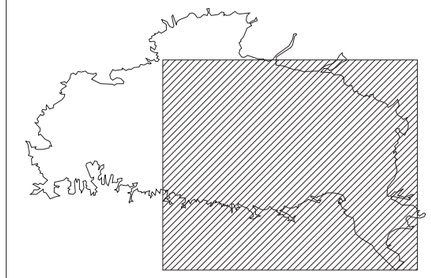
Figure 3-

Source: USEPA Region 9: San Fernando Valley Superfund Site <http://www.epa.gov/region9/superfund/>

N

LANDMARK ENGINEERING

Project Name: California Car Hikers 11590 Tuxford Street, Sun Valley, California				
Title: PCE Contamination in Groundwater San Fernando Valley Basin				
Drafted By: DWS	**Approved By:** UML	**Project No.:** 2011-006	**Date:** 2/12	**Scale:** As shown



LOCATION MAP

LEGEND

- > ND - 5 µg/l (MCL)
- 5.01 - 50 µg/l
- 50.01 - 100 µg/l
- 100.01 - 500 µg/l
- 500.01 - 1000 µg/l
- 1000.01 - 5000 µg/l
- Above 5000 µg/l

NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI Monitoring Wells, Facility Wells, and Production Wells where the top of screened interval is within 50 feet of the water table.
2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.
3. Areas of contamination are based on: the highest concentration during 1998 sample events for RI wells sampled quarterly; the highest concentration during the previous two sample rounds (or 18 months) for wells sampled annually; and, the most recent record available for wells sampled more than 18 months prior to most recent sample event.
4. Areas outside the zones represented here may be contaminated. Data available in the areas outside the zones represented on this map are below the detection limit of 2 µg/l.

SAN FERNANDO VALLEY BASIN
PCE Contamination (µg/L) in Shallow Zone in 1998

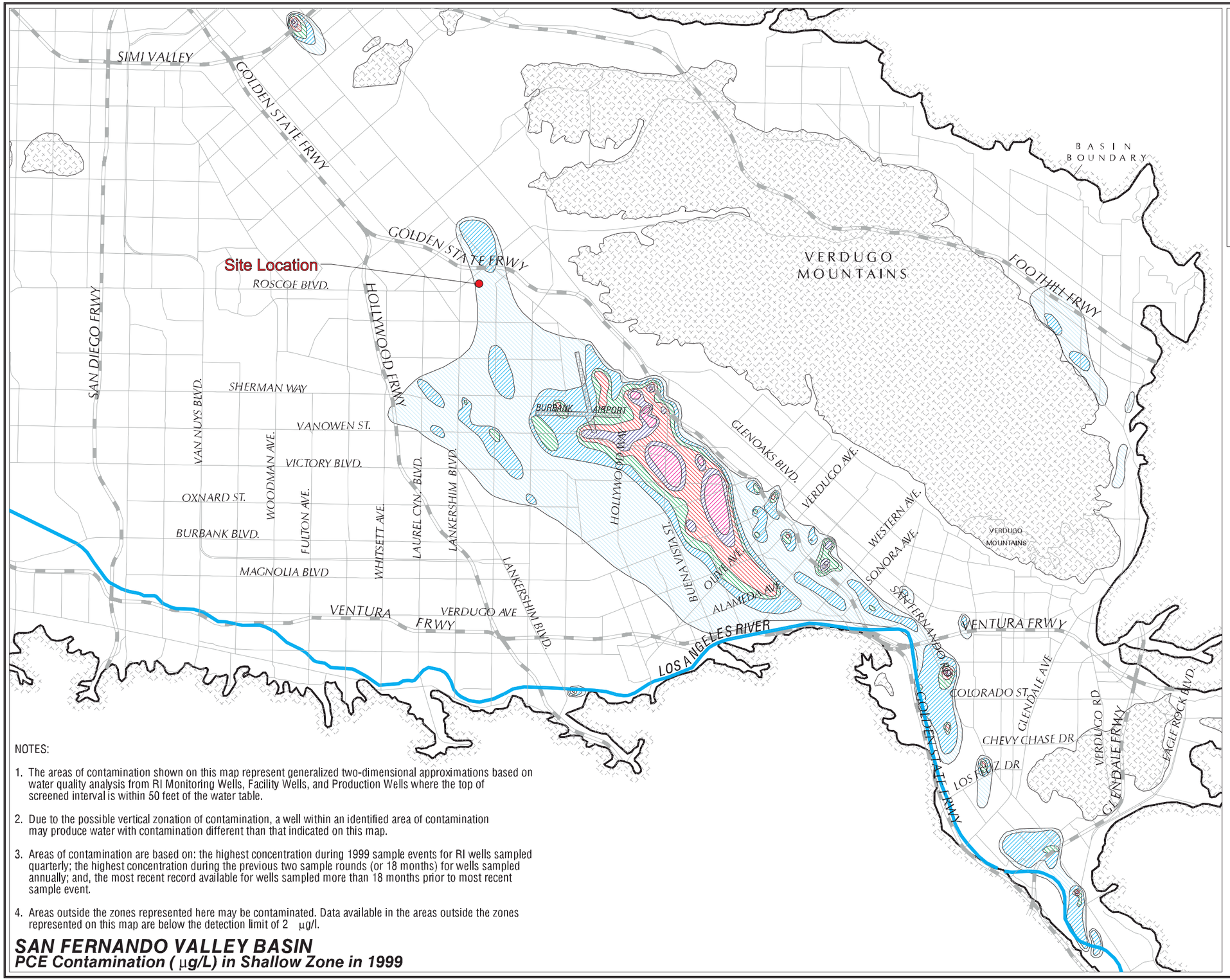
Figure 3-7

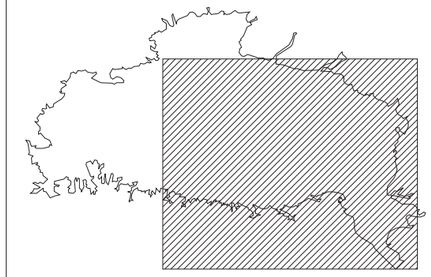
N W E S

0 3500 7000 14000

FEET

d:/projects/sfplume/maps/small/plotplm.aml
20 Feb 99 13:34:57 Saturday





LOCATION MAP

LEGEND

- > ND - 5 µg/l (MCL)
- 5.01 - 50 µg/l
- 50.01 - 100 µg/l
- 100.01 - 500 µg/l
- 500.01 - 1000 µg/l
- 1000.01 - 5000 µg/l
- Above 5000 µg/l

NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI Monitoring Wells, Facility Wells, and Production Wells where the top of screened interval is within 50 feet of the water table.
2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.
3. Areas of contamination are based on: the highest concentration during 1999 sample events for RI wells sampled quarterly; the highest concentration during the previous two sample rounds (or 18 months) for wells sampled annually; and, the most recent record available for wells sampled more than 18 months prior to most recent sample event.
4. Areas outside the zones represented here may be contaminated. Data available in the areas outside the zones represented on this map are below the detection limit of 2 µg/l.

SAN FERNANDO VALLEY BASIN
PCE Contamination (µg/L) in Shallow Zone in 1999

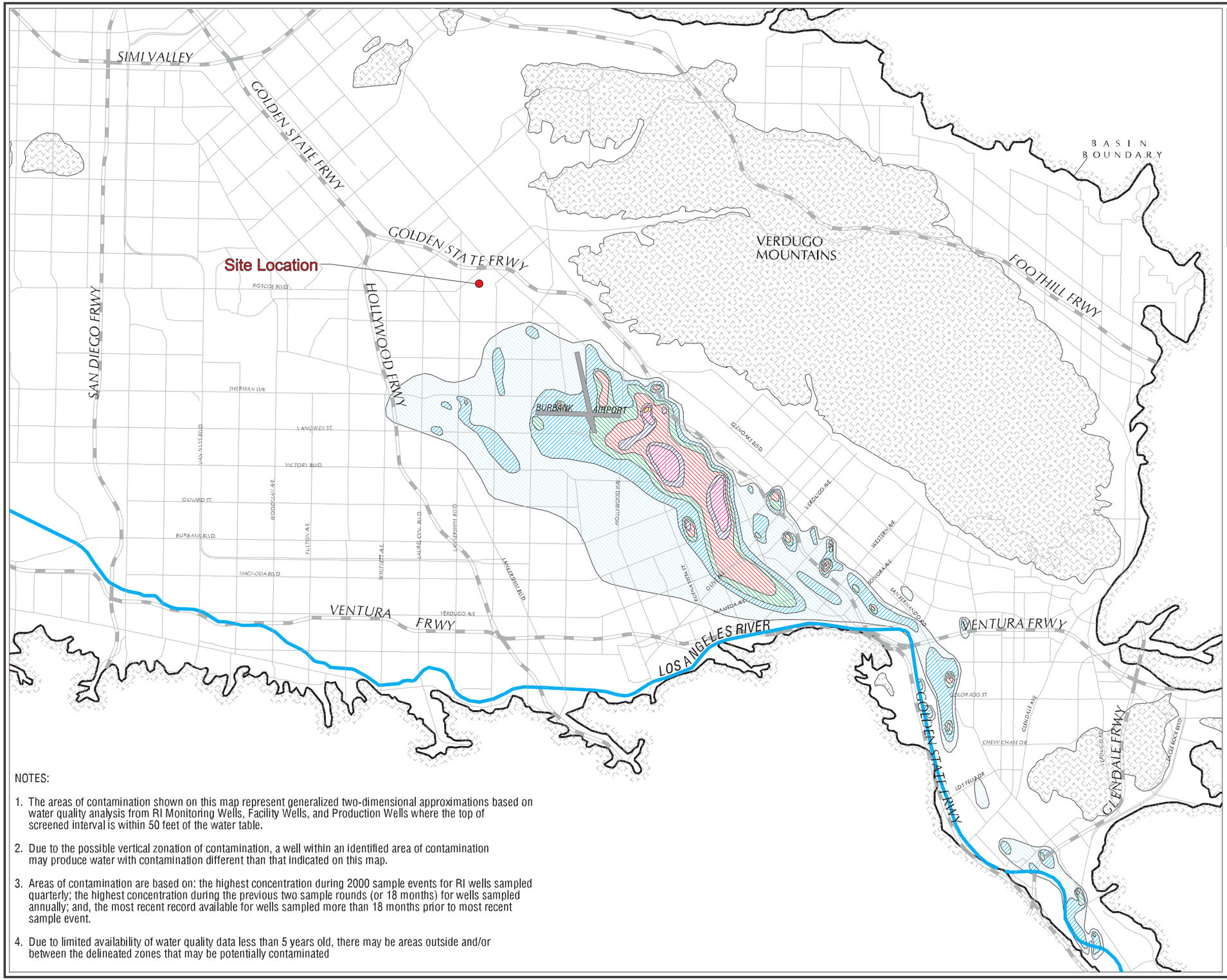
Figure 3-7

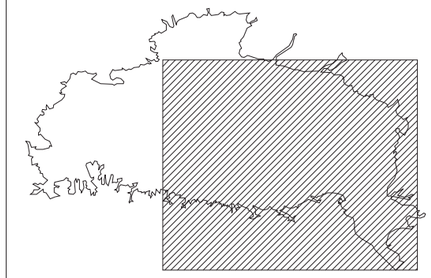
N W E S

0 3500 7000 14000

FEET

d:/projects/sfplume/maps/small/plotplm.aml
18 Aug 00 09:48:42 Friday





LOCATION MAP

LEGEND

- > DL - 5 µg/L (MCL)
- 5.01 - 50 µg/L
- 50.01 - 100 µg/L
- 100.01 - 500 µg/L
- 500.01 - 1000 µg/L
- 1000.01 - 5000 µg/L
- Above 5000 µg/L

NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI Monitoring Wells, Facility Wells, and Production Wells where the top of screened interval is within 50 feet of the water table.
2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.
3. Areas of contamination are based on: the highest concentration during 2000 sample events for RI wells sampled quarterly; the highest concentration during the previous two sample rounds (or 18 months) for wells sampled annually; and, the most recent record available for wells sampled more than 18 months prior to most recent sample event.
4. Due to limited availability of water quality data less than 5 years old, there may be areas outside and/or between the delineated zones that may be potentially contaminated

Figure 3-7

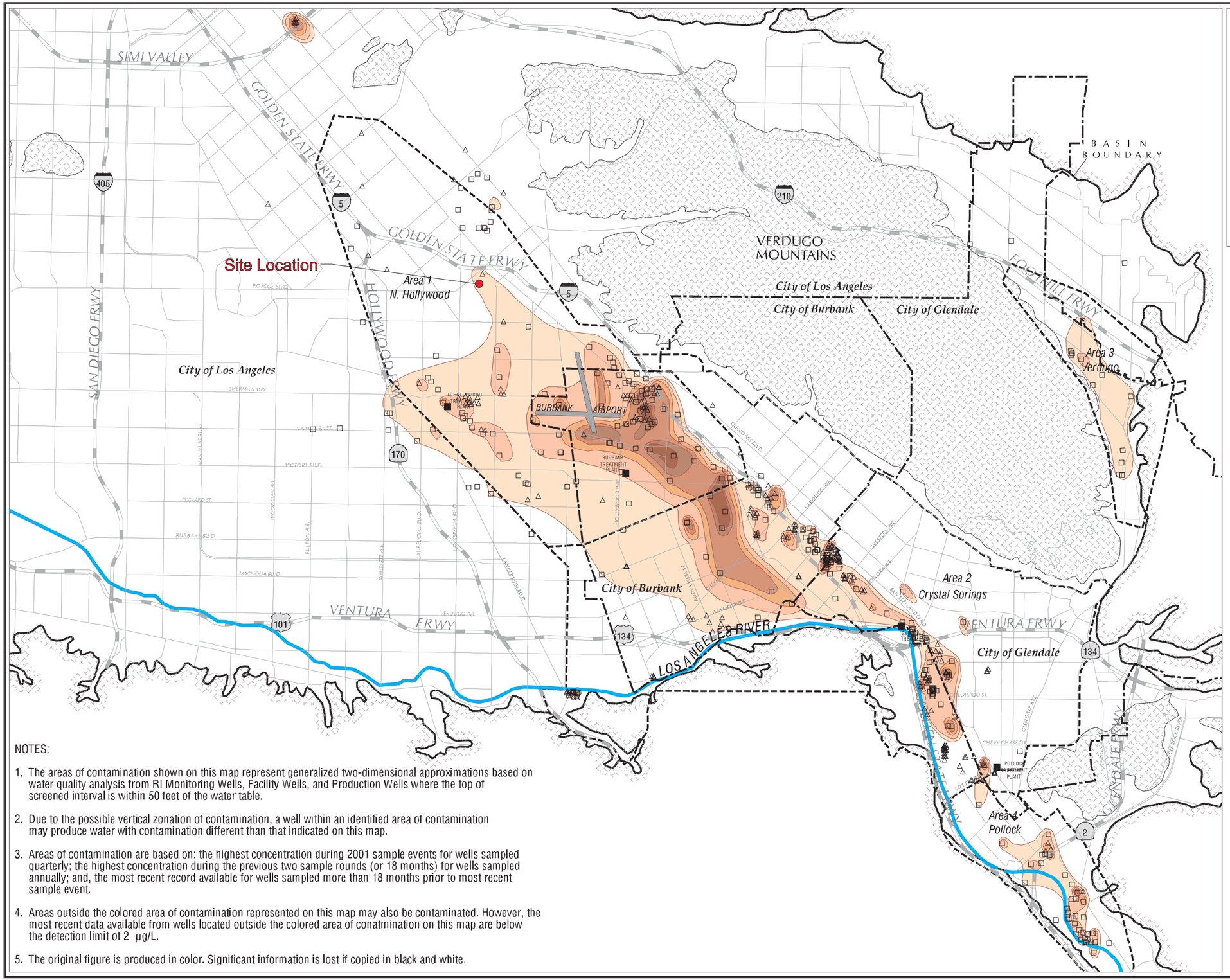
SAN FERNANDO VALLEY BASIN

PCE Contamination (µg/L)
in Shallow Zone in 2000

N
W E
S

0 3500 7000 14000
FEET

d:/projects/sfplume/maps/small/plotplm.aml



NOTES:

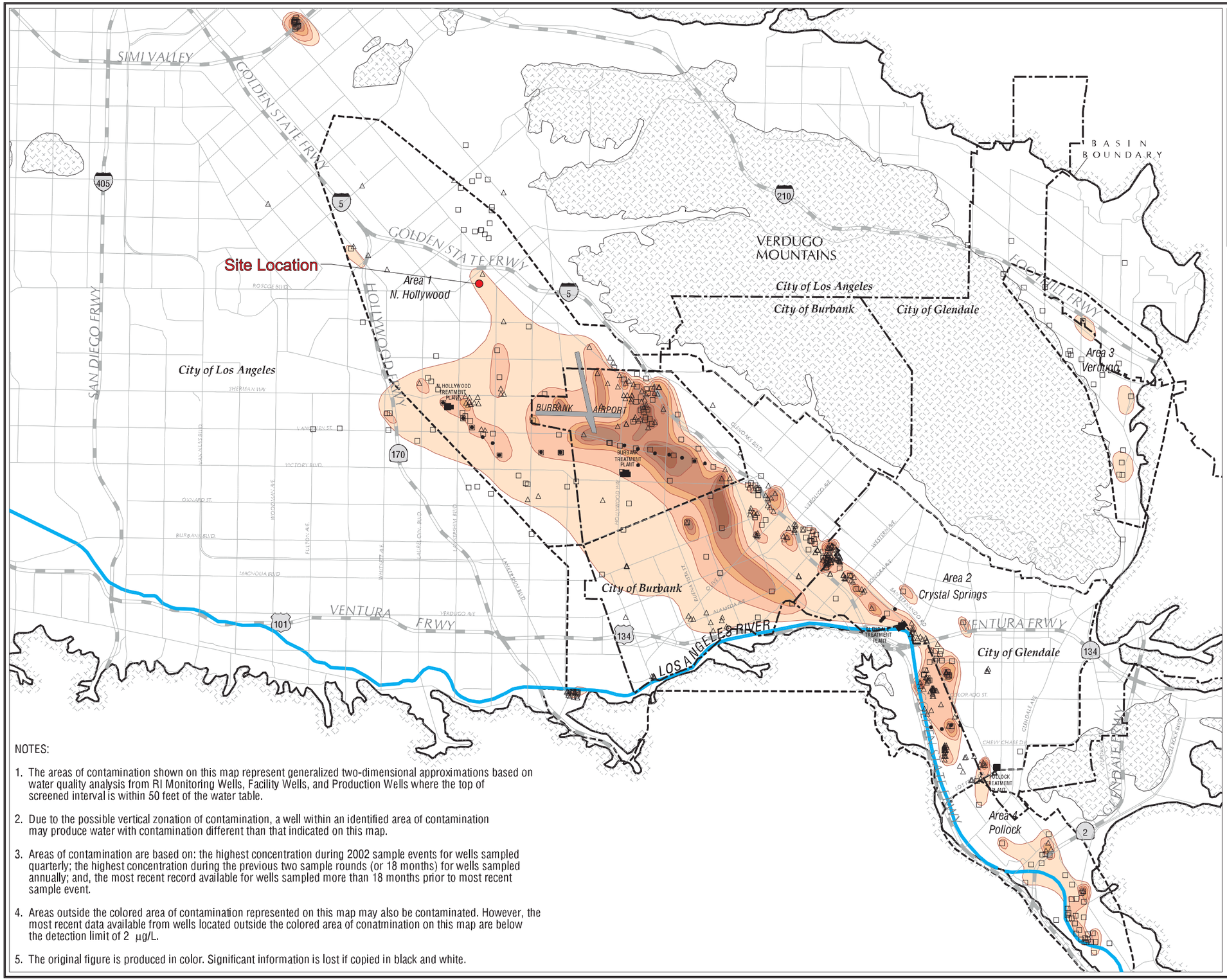
1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI Monitoring Wells, Facility Wells, and Production Wells where the top of screened interval is within 50 feet of the water table.
2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.
3. Areas of contamination are based on: the highest concentration during 2001 sample events for wells sampled quarterly; the highest concentration during the previous two sample rounds (or 18 months) for wells sampled annually; and, the most recent record available for wells sampled more than 18 months prior to most recent sample event.
4. Areas outside the colored area of contamination represented on this map may also be contaminated. However, the most recent data available from wells located outside the colored area of conatmination on this map are below the detection limit of 2 µg/L.
5. The original figure is produced in color. Significant information is lost if copied in black and white.

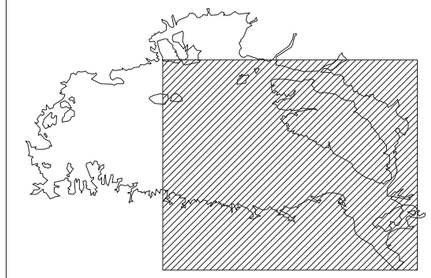
Figure 3-7

SAN FERNANDO VALLEY BASIN

PCE Contamination (µg/L)
in Shallow Zone in 2001

d:/projects/sfplume/maps/small/plotplumenew.aml





LOCATION MAP

LEGEND

- > DL - 5 µg/L (MCL)
- 5.01 - 50 µg/L
- 50.01 - 100 µg/L
- 100.01 - 500 µg/L
- 500.01 - 1000 µg/L
- 1000.01 - 5000 µg/L
- Above 5000 µg/L
- Municipal Boundary
- Investigation Areas Boundary
- Treatment Plant
- Well Sampled in 1998 or Later
- Well Sampled before 1998
- Extraction Well

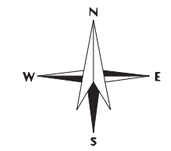
NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI Monitoring Wells, Facility Wells, and Production Wells where the top of screened interval is within 50 feet of the water table.
2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.
3. Areas of contamination are based on: the highest concentration during 2002 sample events for wells sampled quarterly; the highest concentration during the previous two sample rounds (or 18 months) for wells sampled annually; and, the most recent record available for wells sampled more than 18 months prior to most recent sample event.
4. Areas outside the colored area of contamination represented on this map may also be contaminated. However, the most recent data available from wells located outside the colored area of conatmination on this map are below the detection limit of 2 µg/L.
5. The original figure is produced in color. Significant information is lost if copied in black and white.

Figure 3-7

SAN FERNANDO VALLEY BASIN

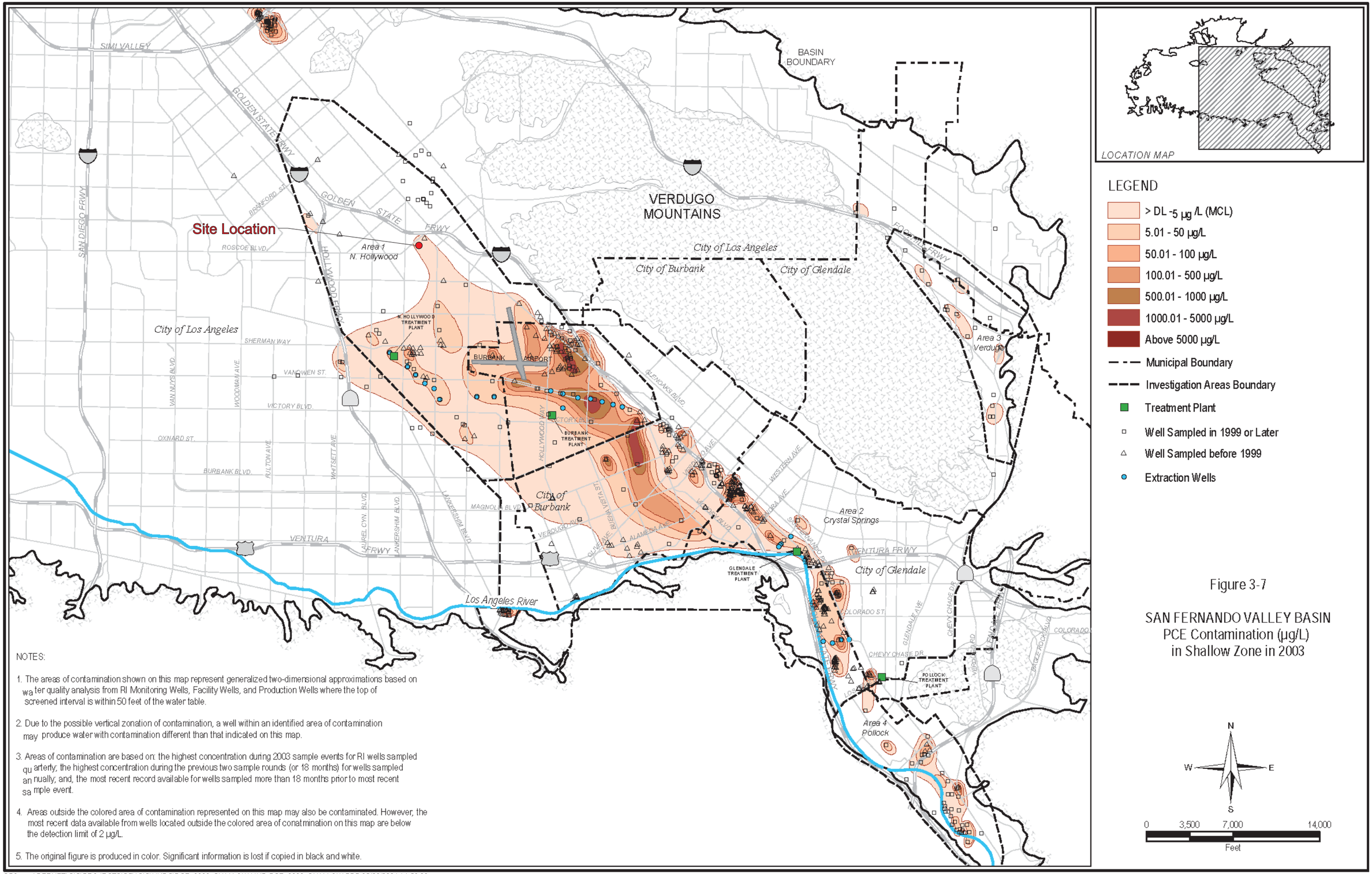
PCE Contamination (µg/L)
in Shallow Zone in 2002



0 3500 7000 14000

FEET

d:/projects/sfplume/maps/small/plotplumenew.aml
29 Jul 03 08:55:47 Tuesday



NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI Monitoring Wells, Facility Wells, and Production Wells where the top of screened interval is within 50 feet of the water table.

2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.

3. Areas of contamination are based on: the highest concentration during 2003 sample events for RI wells sampled quarterly; the highest concentration during the previous two sample rounds (or 18 months) for wells sampled annually; and, the most recent record available for wells sampled more than 18 months prior to most recent sample event.

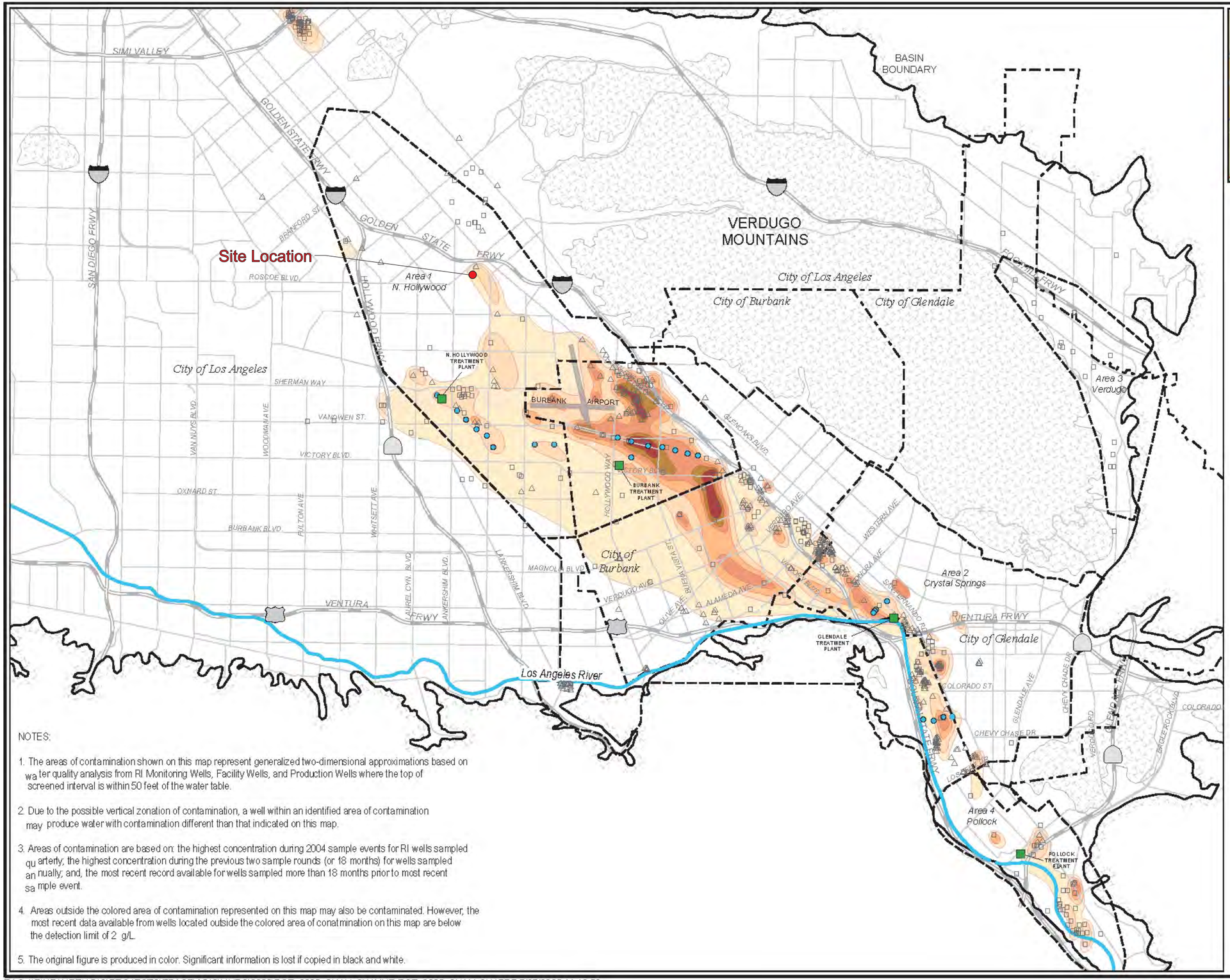
4. Areas outside the colored area of contamination represented on this map may also be contaminated. However, the most recent data available from wells located outside the colored area of conatmination on this map are below the detection limit of 2 µg/L.

5. The original figure is produced in color. Significant information is lost if copied in black and white.

Figure 3-7

SAN FERNANDO VALLEY BASIN
PCE Contamination (µg/L)
in Shallow Zone in 2003

SFO \\C ABERNET\GIS\PROJECTS\SFVGIS\MXDS\PCE_2003_SHALLOW.MXD PCE_2003_SHALLOW.PDF 05/03/2004 14:56:28



LEGEND

- > DL - 5 µg/L (MCL)
- 5.01 - 50 µg/L
- 50.01 - 100 µg/L
- 100.01 - 500 µg/L
- 500.01 - 1000 µg/L
- 1000.01 - 5000 µg/L
- Above 5000 µg/L
- Municipal Boundary
- Investigation Areas Boundary
- Well Sampled Before 2000
- Well Sampled in 2000 or Later
- Treatment Plant
- Extraction Wells

NOTES:

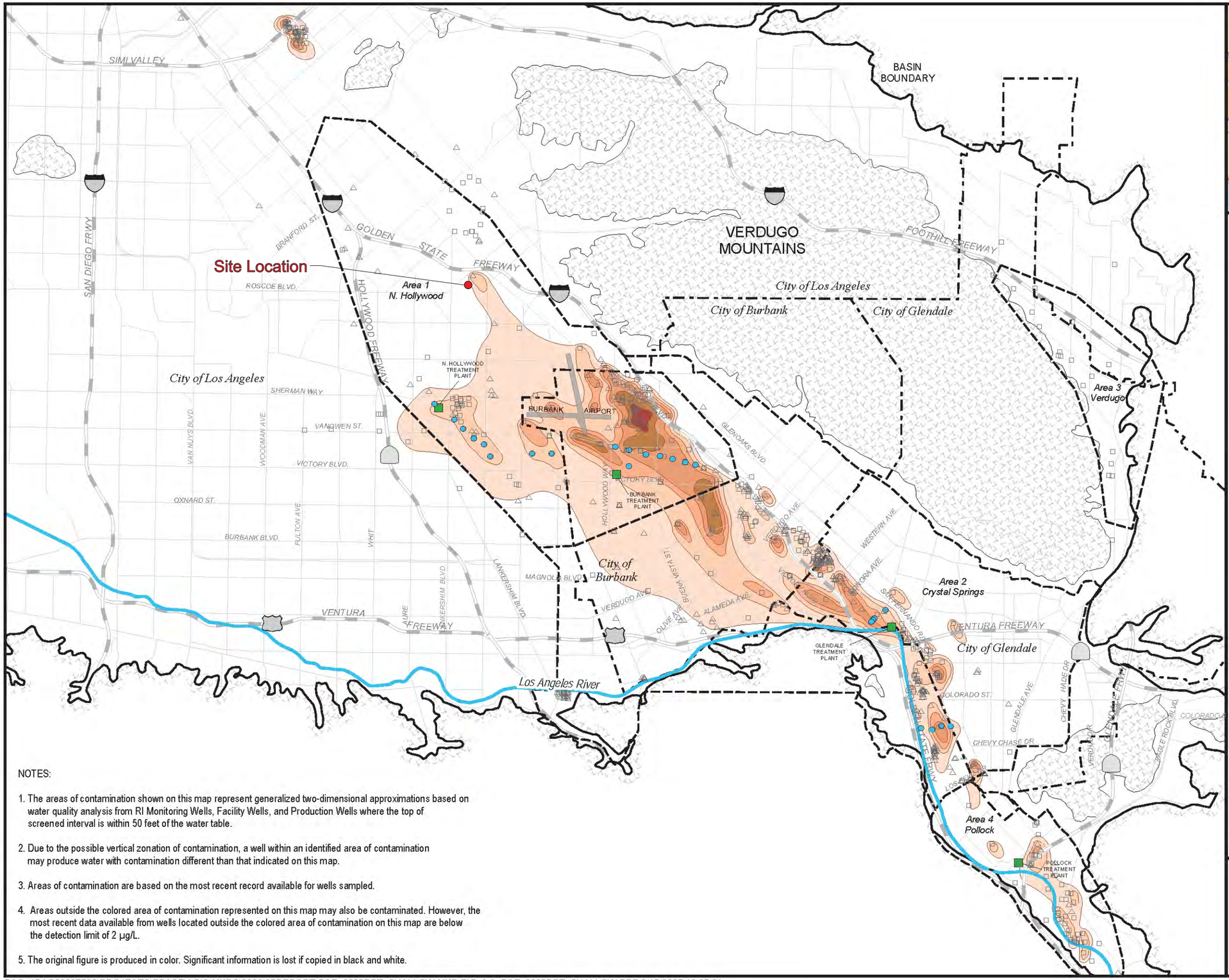
1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI Monitoring Wells, Facility Wells, and Production Wells where the top of screened interval is within 50 feet of the water table.
2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.
3. Areas of contamination are based on: the highest concentration during 2004 sample events for RI wells sampled quarterly; the highest concentration during the previous two sample rounds (or 18 months) for wells sampled annually; and, the most recent record available for wells sampled more than 18 months prior to most recent sample event.
4. Areas outside the colored area of contamination represented on this map may also be contaminated. However, the most recent data available from wells located outside the colored area of conatmination on this map are below the detection limit of 2 g/L.
5. The original figure is produced in color. Significant information is lost if copied in black and white.

Figure 3-7

SAN FERNANDO VALLEY BASIN
PCE Contamination (µg/L)
in Shallow Zone in 2004

N
W E
S

0 3,500 7,000 14,000
Feet



NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI Monitoring Wells, Facility Wells, and Production Wells where the top of screened interval is within 50 feet of the water table.

2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.

3. Areas of contamination are based on the most recent record available for wells sampled.

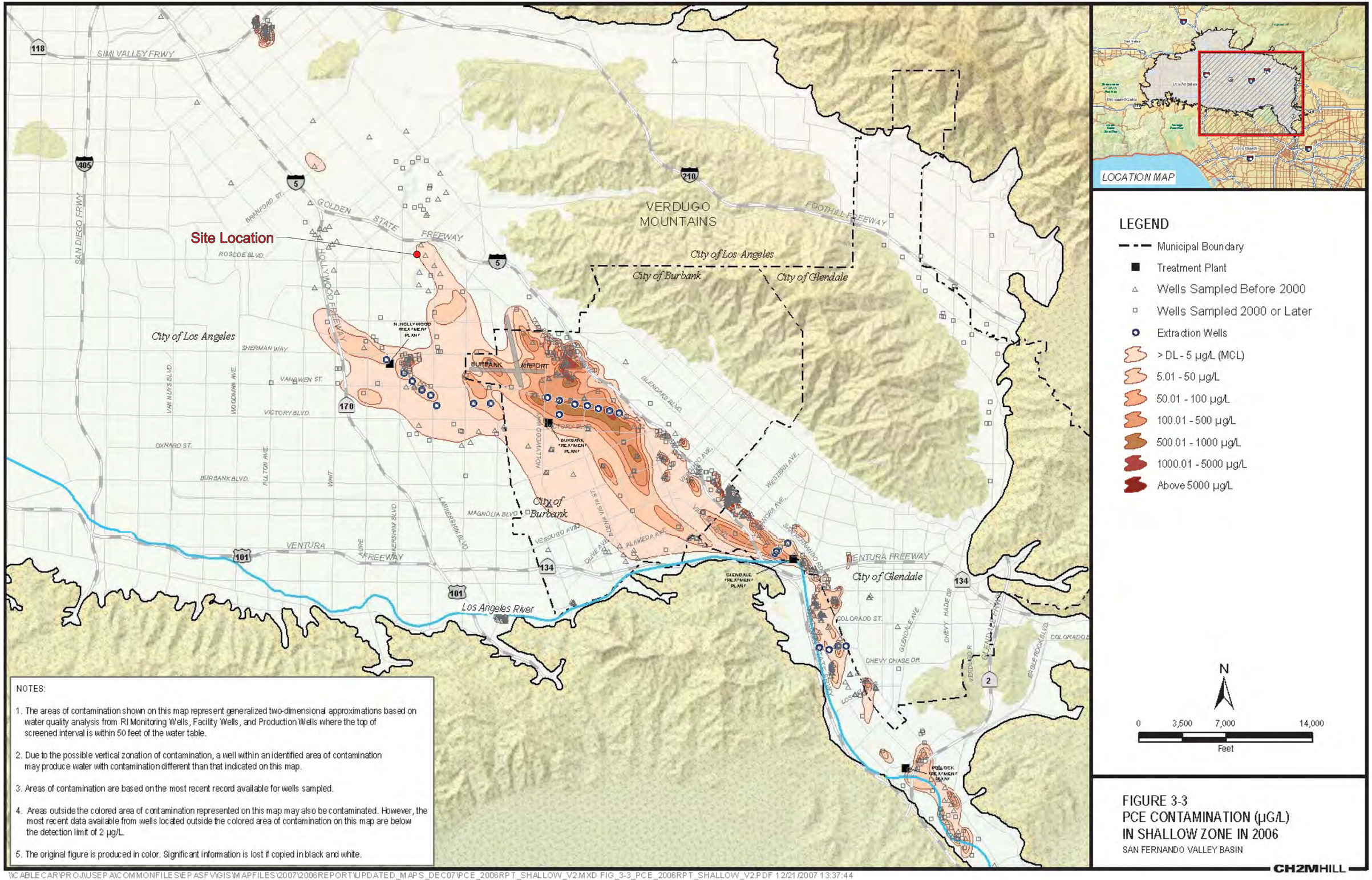
4. Areas outside the colored area of contamination represented on this map may also be contaminated. However, the most recent data available from wells located outside the colored area of contamination on this map are below the detection limit of 2 µg/L.

5. The original figure is produced in color. Significant information is lost if copied in black and white.

FIGURE 3-3
PCE CONTAMINATION (µG/L)
IN SHALLOW ZONE IN 2005

SAN FERNANDO VALLEY BASIN

CH2MHILL



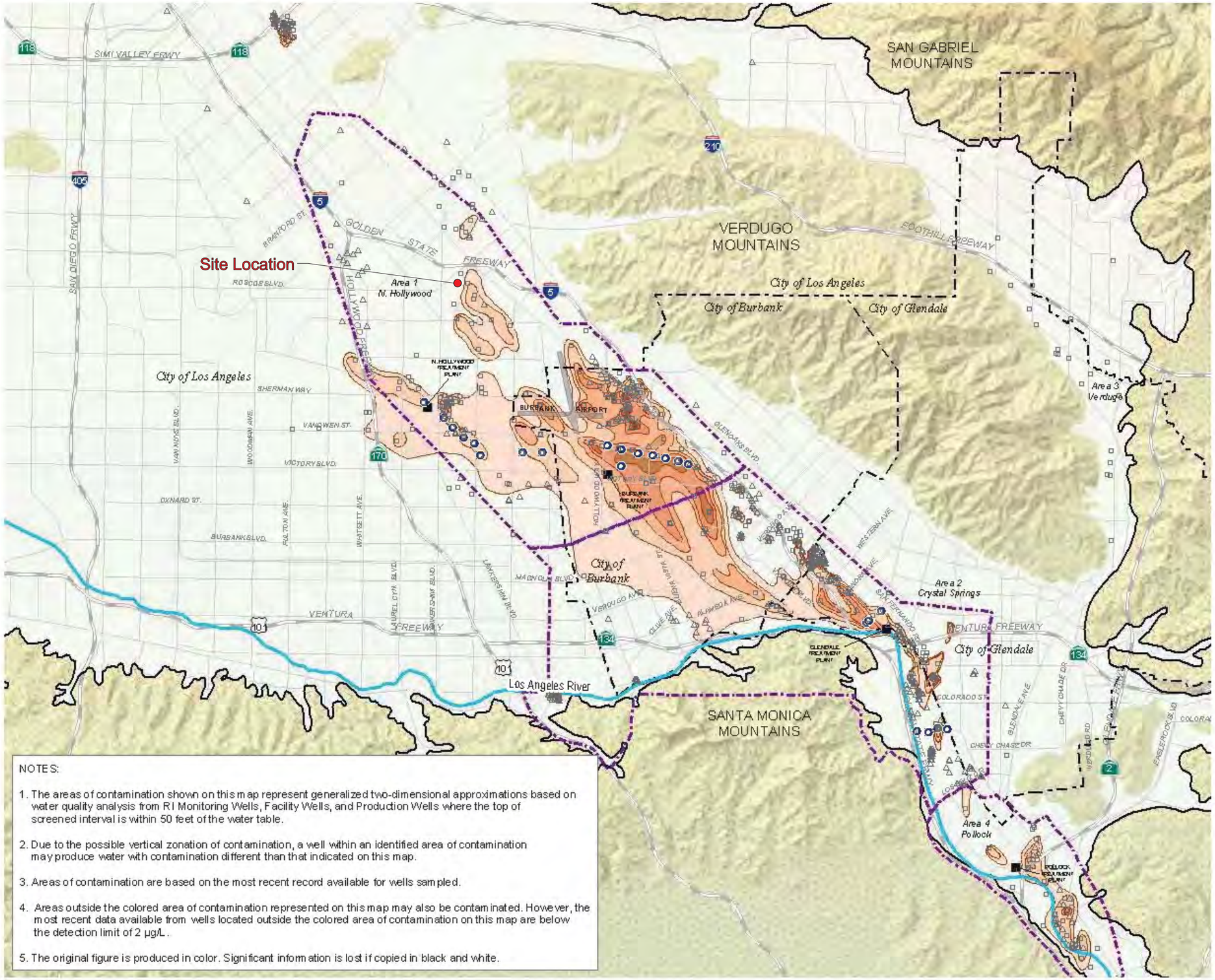
NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI Monitoring Wells, Facility Wells, and Production Wells where the top of screened interval is within 50 feet of the water table.
2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.
3. Areas of contamination are based on the most recent record available for wells sampled.
4. Areas outside the colored area of contamination represented on this map may also be contaminated. However, the most recent data available from wells located outside the colored area of contamination on this map are below the detection limit of 2 µg/L.
5. The original figure is produced in color. Significant information is lost if copied in black and white.

FIGURE 3-3
PCE CONTAMINATION (µG/L)
IN SHALLOW ZONE IN 2006
SAN FERNANDO VALLEY BASIN

CH2MHILL

\\CABLECAR\PROJ\USEPA\COMMONFILES\EPASFV\GIS\MAPFILES\2007\2006REPORTUPDATED_MAPS_DEC07\PCE_2006RPT_SHALLOW_V2.MXD FIG_3-3_PCE_2006RPT_SHALLOW_V2.PDF 12/21/2007 13:37:44



LEGEND

- Wells Sampled Before 2000
- Wells Sampled 2000 or Later
- Extraction Wells
- Treatment Plant
- Municipal Boundary
- Approximate Boundary of Investigation Areas for San Fernando Valley Area Superfund Sites
- > DL - 5 µg/L (MCL)
- 5.01 - 50 µg/L
- 50.01 - 100 µg/L
- 100.01 - 500 µg/L
- 500.01 - 1000 µg/L
- 1000.01 - 5000 µg/L
- Above 5000 µg/L

N

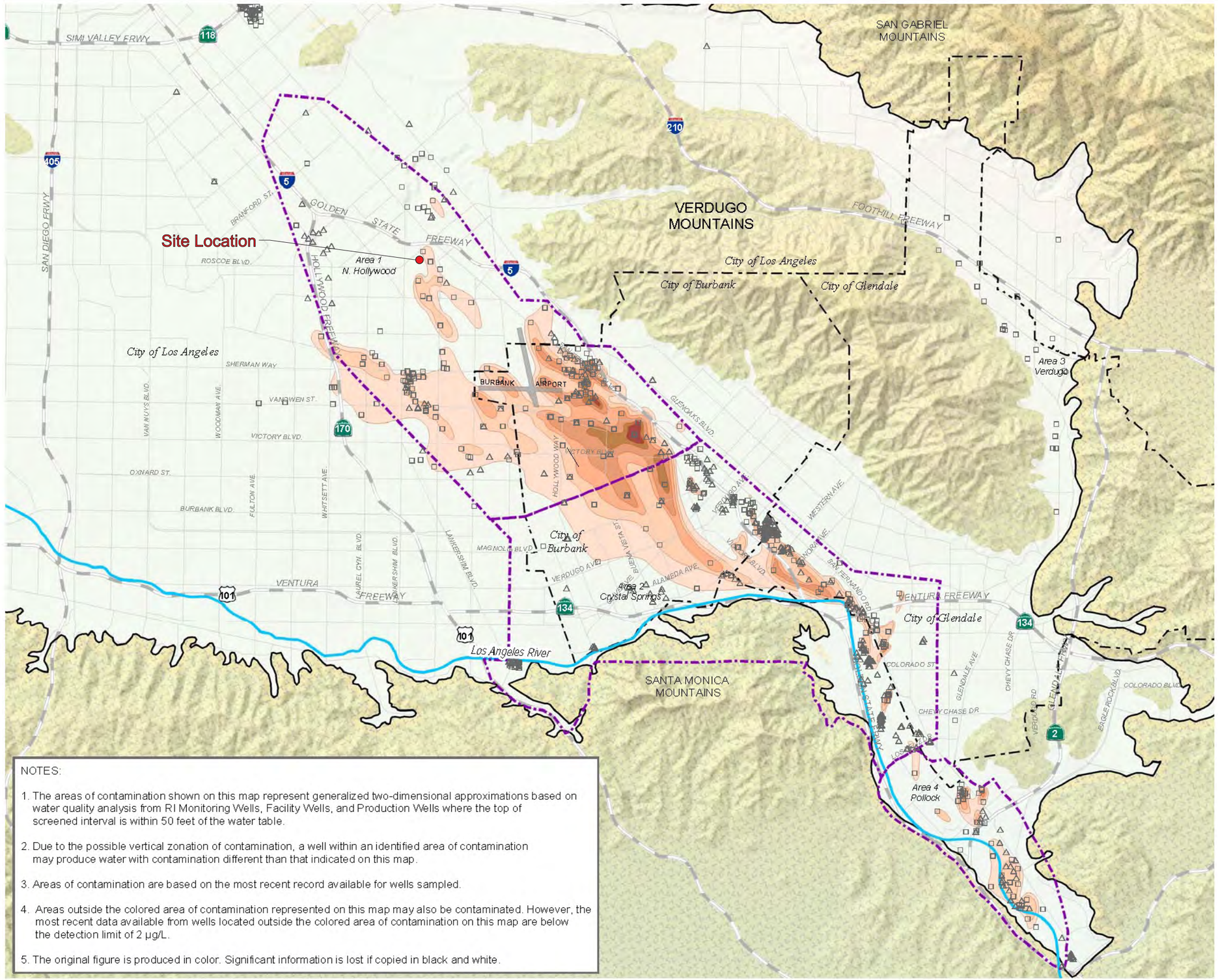
0 3,500 7,000 14,000
Feet

NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI Monitoring Wells, Facility Wells, and Production Wells where the top of screened interval is within 50 feet of the water table.
2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.
3. Areas of contamination are based on the most recent record available for wells sampled.
4. Areas outside the colored area of contamination represented on this map may also be contaminated. However, the most recent data available from wells located outside the colored area of contamination on this map are below the detection limit of 2 µg/L.
5. The original figure is produced in color. Significant information is lost if copied in black and white.

FIGURE 3-3
PCE Contamination (µg/L)
In Shallow Zone In 2007
San Fernando Valley Superfund Sites

CH2MHILL



LEGEND

- Wells Sampled Before 2000
- Wells Sampled 2000 or Later
- Municipal Boundary
- Approximate Boundary of Investigation Areas for San Fernando Valley Area Superfund Sites
- > DL - 5 µg/L (MCL)
- 5.01 - 50 µg/L
- 50.01 - 100 µg/L
- 100.01 - 500 µg/L
- 500.01 - 1000 µg/L
- 1000.01 - 5000 µg/L
- Above 5000 µg/L

N

0 3,500 7,000 14,000
Feet

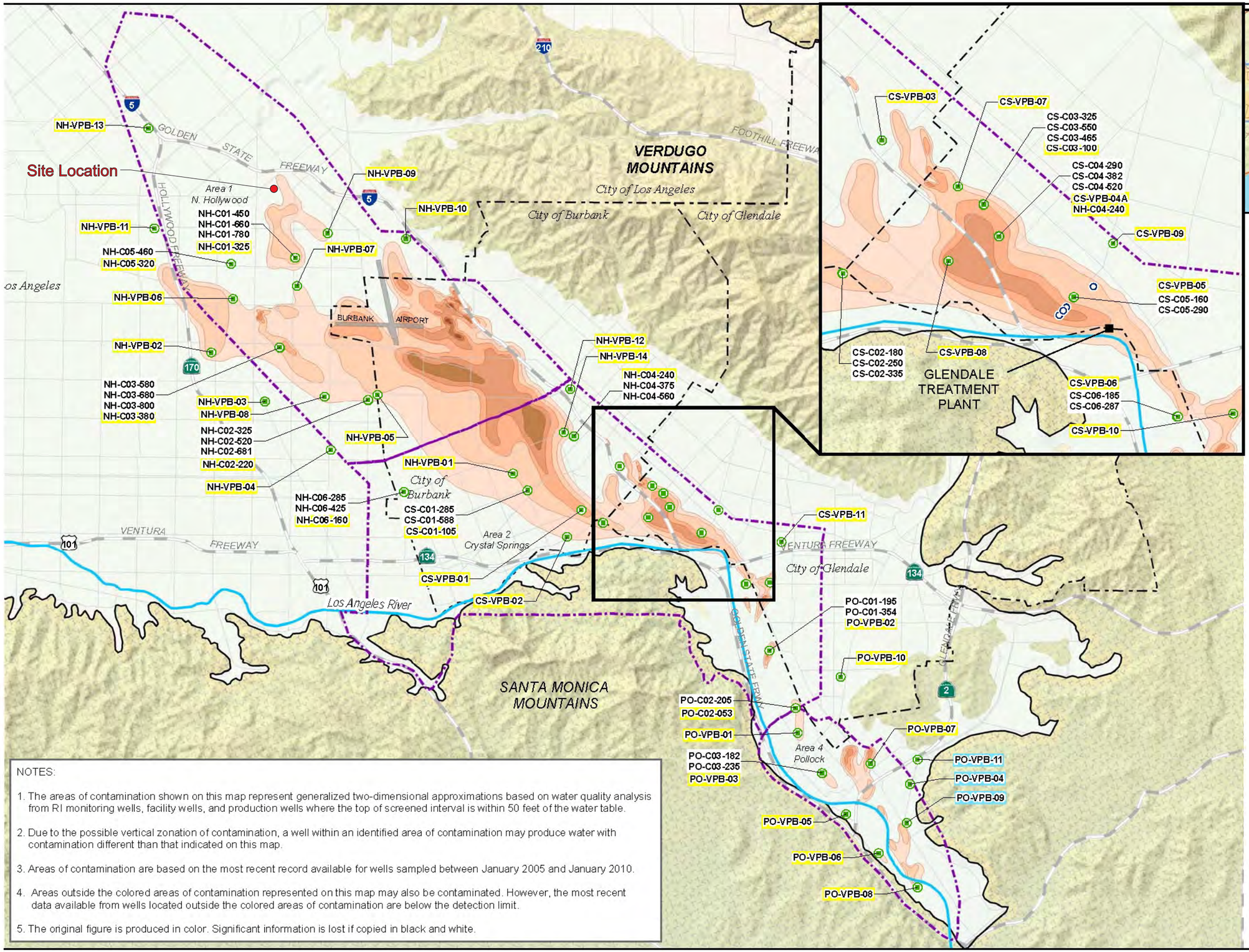
NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI Monitoring Wells, Facility Wells, and Production Wells where the top of screened interval is within 50 feet of the water table.
2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.
3. Areas of contamination are based on the most recent record available for wells sampled.
4. Areas outside the colored area of contamination represented on this map may also be contaminated. However, the most recent data available from wells located outside the colored area of contamination on this map are below the detection limit of 2 µg/L.
5. The original figure is produced in color. Significant information is lost if copied in black and white.

FIGURE 3-3
PCE Contamination (µg/L)
In Shallow Zone In 2008
San Fernando Valley Superfund Sites

CH2MHILL

\\ZINFADNEL\PROJ\USENVIRONMENTALPROTE\COMMONFILES\GIS\EPASFV\MAPFILES\2009\2008REPORT\OCT2010_VERSION\PCE_2008RPT_SHALLOW.MXD CARCHER 10/22/2010 13:07:38



NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI monitoring wells, facility wells, and production wells where the top of screened interval is within 50 feet of the water table.
2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.
3. Areas of contamination are based on the most recent record available for wells sampled between January 2005 and January 2010.
4. Areas outside the colored areas of contamination represented on this map may also be contaminated. However, the most recent data available from wells located outside the colored areas of contamination are below the detection limit.
5. The original figure is produced in color. Significant information is lost if copied in black and white.

LEGEND

- RI Monitoring Well or Well Cluster
- Municipal Boundary
- Approximate Boundary of Investigation Areas for San Fernando Valley Superfund Sites

CS-VPB-04 Shallow Zone Wells
PO-C02-205 Deep Zone Wells
NH-C09-310 Depth Zone not in Data Base

PCE Concentration (µg/L) in the Shallow Zone 2008 (Most Recent Concentration Through January 2010)

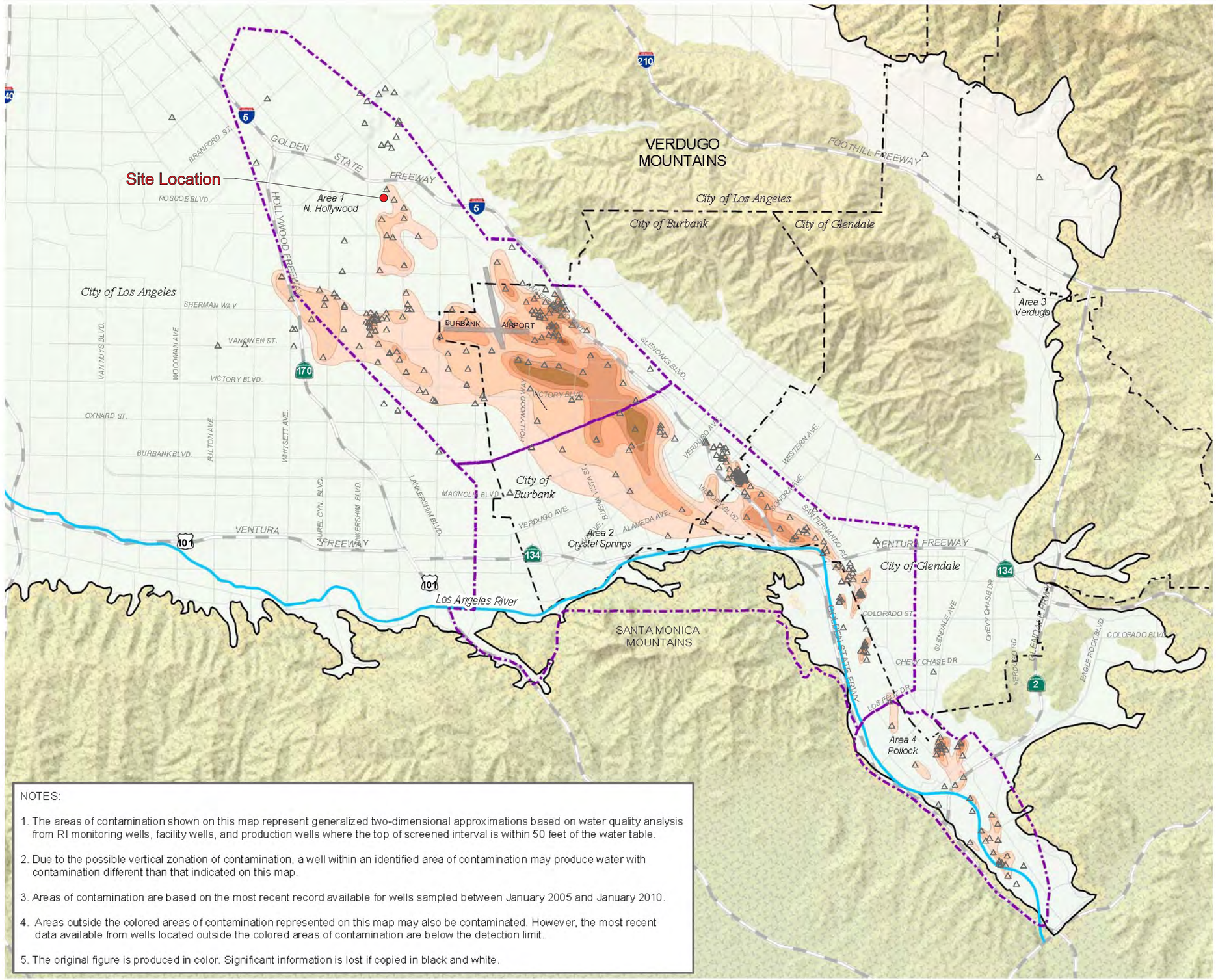
- > DL - 5 µg/L (MCL)
- 5.01 - 50 µg/L
- 50.01 - 100 µg/L
- 100.01 - 500 µg/L
- 500.01 - 1000 µg/L
- 1000.01 - 5000 µg/L
- Above 5000 µg/L

N

0 3,250 6,500 13,000
Feet

FIGURE 3
EPA RI Monitor Wells and PCE Contamination (ug/L) in the Shallow Zone 2009
San Fernando Valley Superfund Sites

\\ZINFANDEL\PROJ\USENVIRONMENTALPROTE\COMMONFILES\GIS\EPASFV\MAPFILES\2010\PCE_2009_WITH_RI_WELLS_BASIN_WIDE.MXD CARCHER 11/15/2010 15:40:03

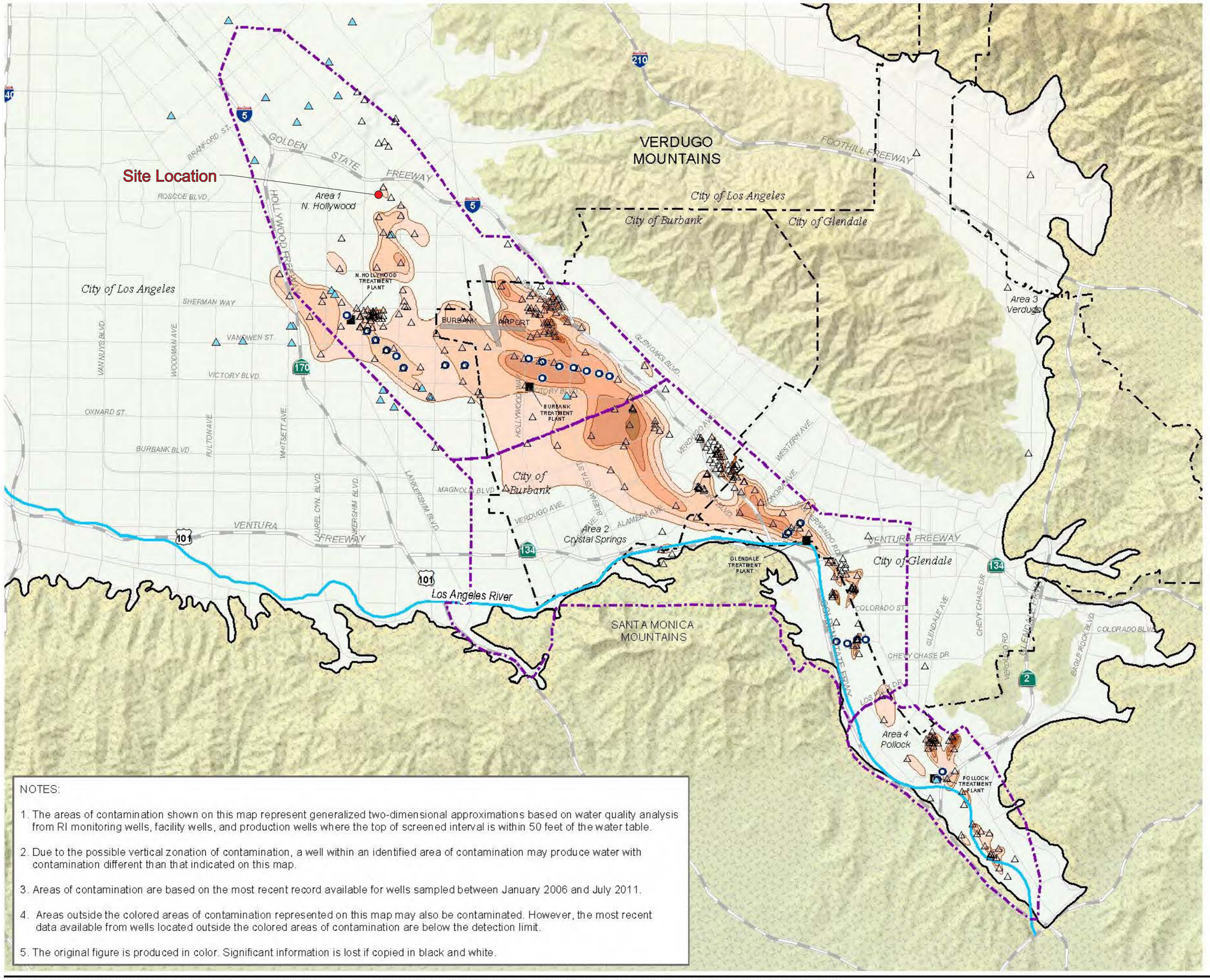


NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI monitoring wells, facility wells, and production wells where the top of screened interval is within 50 feet of the water table.
2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.
3. Areas of contamination are based on the most recent record available for wells sampled between January 2005 and January 2010.
4. Areas outside the colored areas of contamination represented on this map may also be contaminated. However, the most recent data available from wells located outside the colored areas of contamination are below the detection limit.
5. The original figure is produced in color. Significant information is lost if copied in black and white.

FIGURE 4
PCE Contamination (µg/L)
In the Shallow Zone
(Most Recent Concentration
Through January 2010)

Contaminants of Concern in Eastern San Fernando Valley



LEGEND

- Wells Sampled for PCE
- Production Wells Sampled for PCE
- Extraction Wells
- Treatment Plant
- Municipal Boundary
- Boundary of Initial Investigation for the San Fernando Valley Superfund Site

PCE Contamination

- > Detection Limt - 5 µg/L (MCL)
- 5 - 50 µg/L
- 50 - 100 µg/L
- 100 - 500 µg/L
- 500 - 1,000 µg/L
- 1,000 - 5,000 µg/L
- Above 5,000 µg/L

N

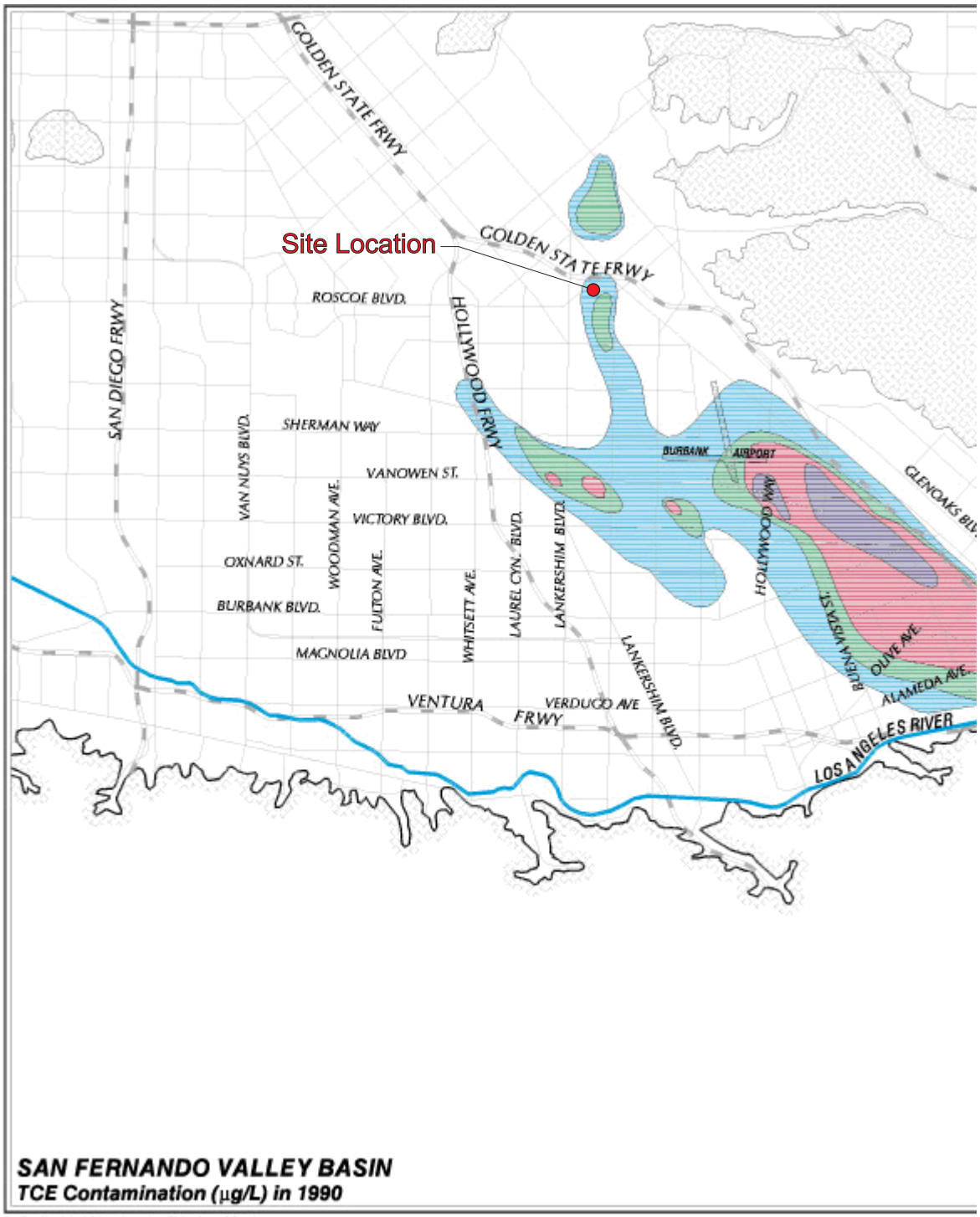
0 7,000 14,000
Feet

NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI monitoring wells, facility wells, and production wells where the top of screened interval is within 50 feet of the water table.
2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.
3. Areas of contamination are based on the most recent record available for wells sampled between January 2006 and July 2011.
4. Areas outside the colored areas of contamination represented on this map may also be contaminated. However, the most recent data available from wells located outside the colored areas of contamination are below the detection limit.
5. The original figure is produced in color. Significant information is lost if copied in black and white.

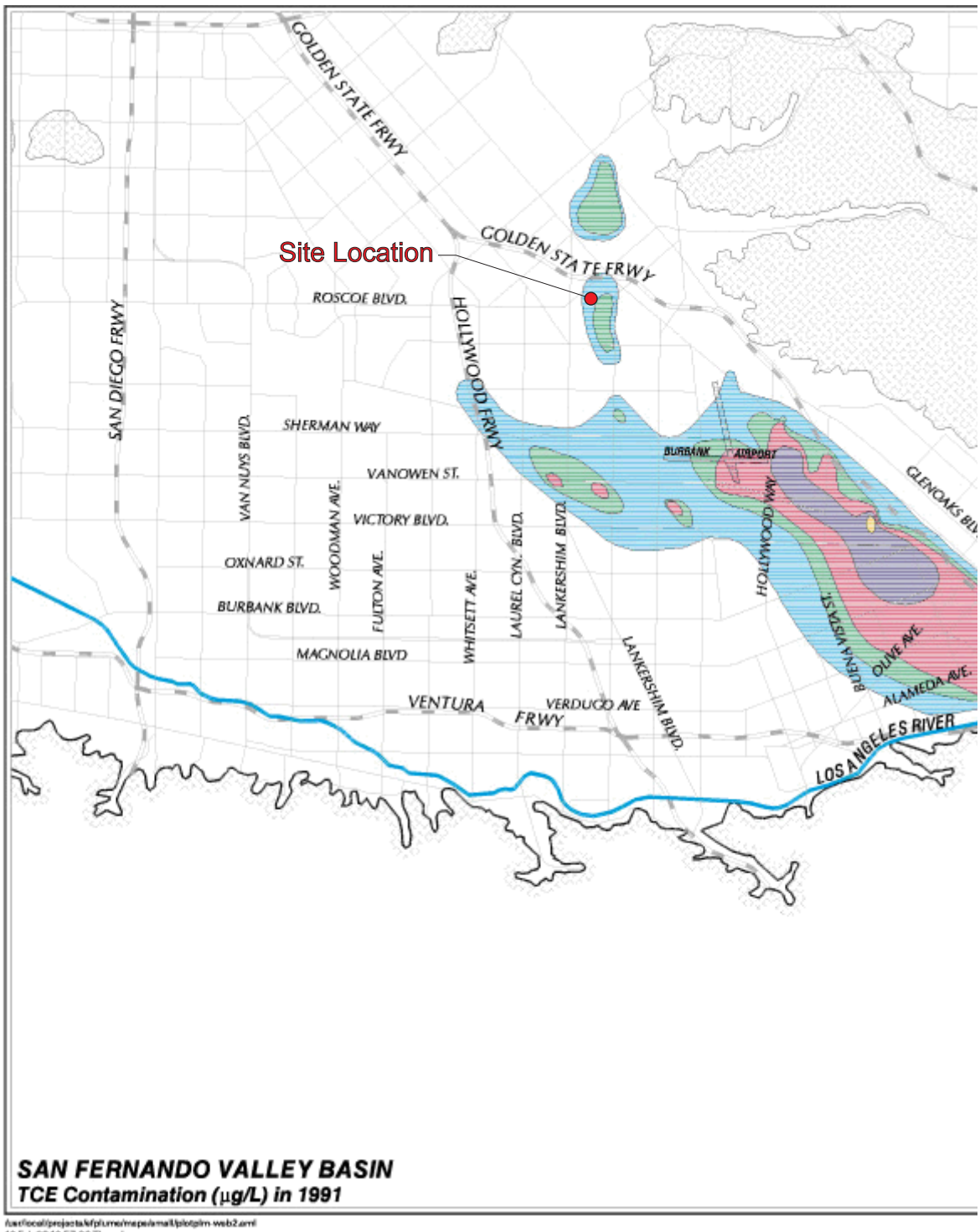
FIGURE 4
PCE Contamination (µg/L)
In the Shallow Zone
(Most Recent Concentration
January 2006 – July 2011)

Contaminants of Concern in Eastern San Fernando Valley



Source: USEPA Region 9: San Fernando Valley Superfund Site <http://www.epa.gov/region9/superfund/>

Project Name:	California Car Hikers 11590 Tuxford Street, Sun Valley, California			
Title:	TCE Contamination in Groundwater San Fernando Valley Basin			
Drafted By: DWS	**Approved By:** UML	**Project No.:** 2011-006	**Date:** 2/12	**Scale:** As shown

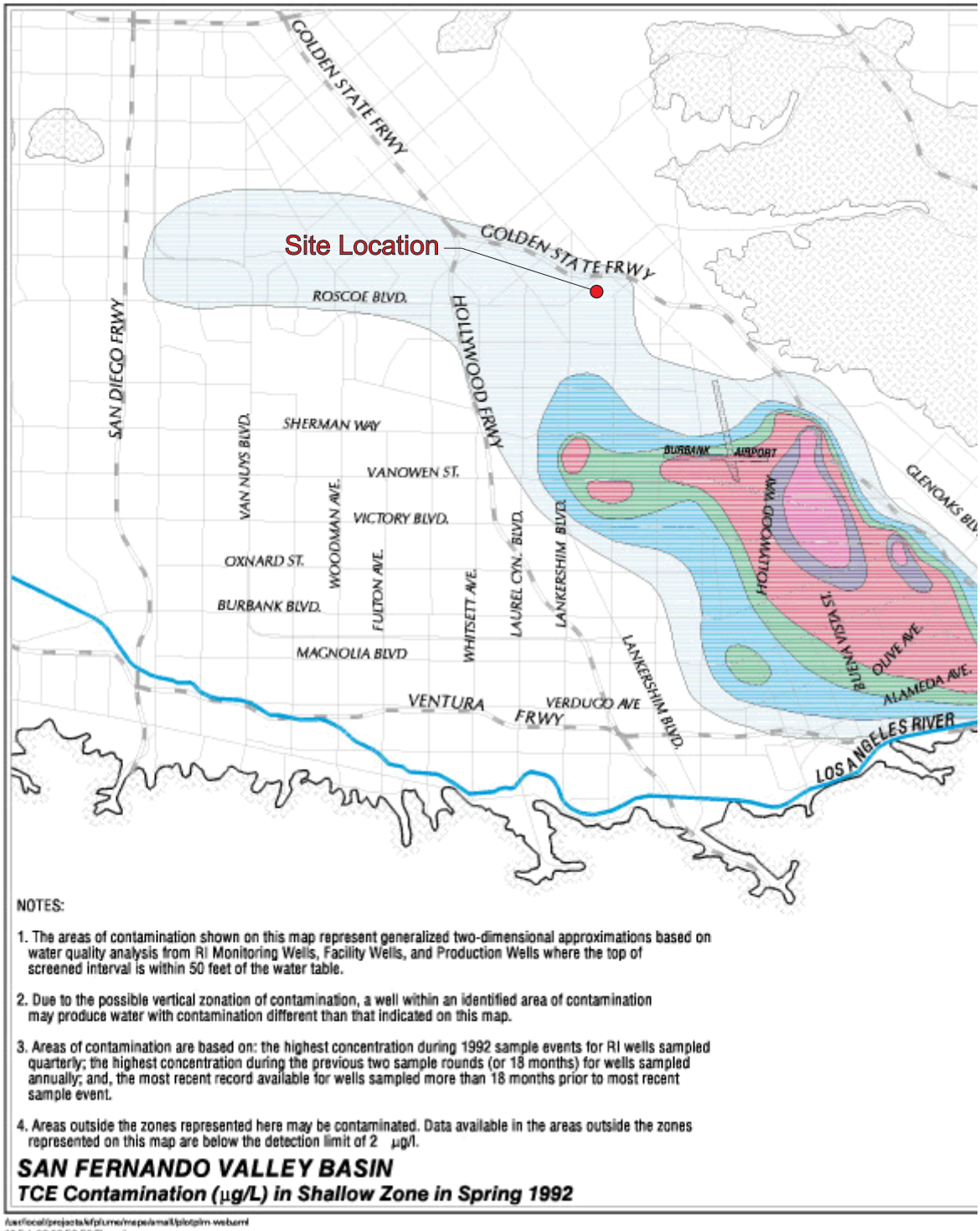


Source: USEPA Region 9: San Fernando Valley Superfund Site <http://www.epa.gov/region9/superfund/>

N

LANDMARK ENGINEERING

Project Name: California Car Hikers 11590 Tuxford Street, Sun Valley, California				
Title: TCE Contamination in Groundwater San Fernando Valley Basin				
Drafted By: DWS	**Approved By:** UML	**Project No.:** 2011-006	**Date:** 2/12	**Scale:** As shown



NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI Monitoring Wells, Facility Wells, and Production Wells where the top of screened interval is within 50 feet of the water table.

2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.

3. Areas of contamination are based on: the highest concentration during 1992 sample events for RI wells sampled quarterly; the highest concentration during the previous two sample rounds (or 18 months) for wells sampled annually; and, the most recent record available for wells sampled more than 18 months prior to most recent sample event.

4. Areas outside the zones represented here may be contaminated. Data available in the areas outside the zones represented on this map are below the detection limit of 2 µg/l.

SAN FERNANDO VALLEY BASIN

TCE Contamination (µg/L) in Shallow Zone in Spring 1992

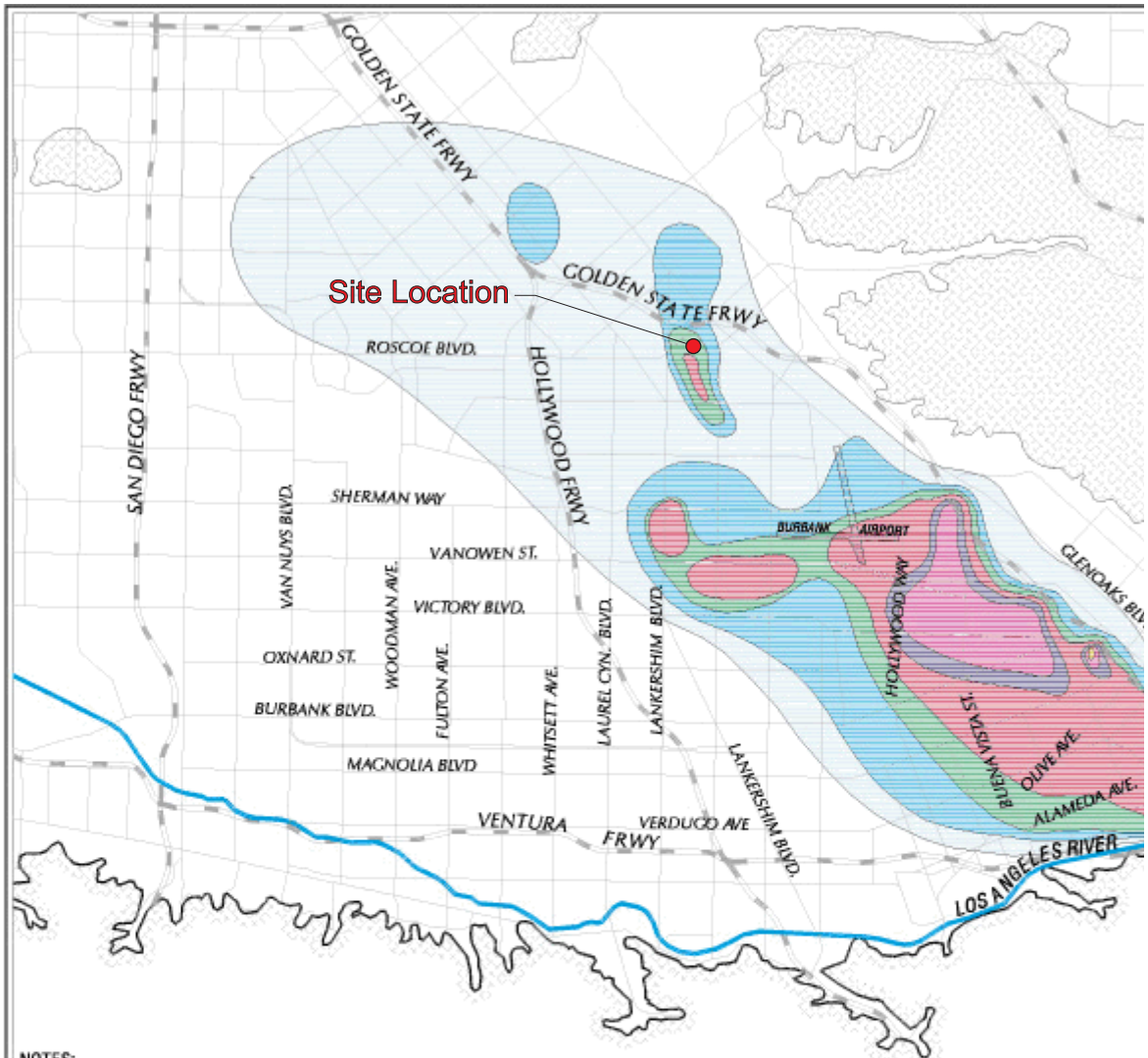
/usr/local/projects/sfplume/maps/small/plotplm.webcmd
12 Feb 98 09:58:52 Thursday

Source: USEPA Region 9: San Fernando Valley Superfund Site <http://www.epa.gov/region9/superfund/>

N

LANDMARK ENGINEERING

Project Name: California Car Hikers 11590 Tuxford Street, Sun Valley, California				
Title: TCE Contamination in Groundwater San Fernando Valley Basin				
Drafted By: DWS	**Approved By:** UML	**Project No.:** 2011-006	**Date:** 2/12	**Scale:** As shown



NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI Monitoring Wells, Facility Wells, and Production Wells where the top of screened interval is within 50 feet of the water table.

2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.

3. Areas of contamination are based on: the highest concentration during the third and fourth quarter 1992 sample events for RI wells sampled quarterly; the highest concentration during the previous two sample rounds (or 18 months) for wells sampled annually; and, the most recent record available for wells sampled more than 18 months prior to most recent sample event.

4. Areas outside the zones represented here may be contaminated. Data available in the areas outside the zones represented on this map are below the detection limit of 2 µg/l.

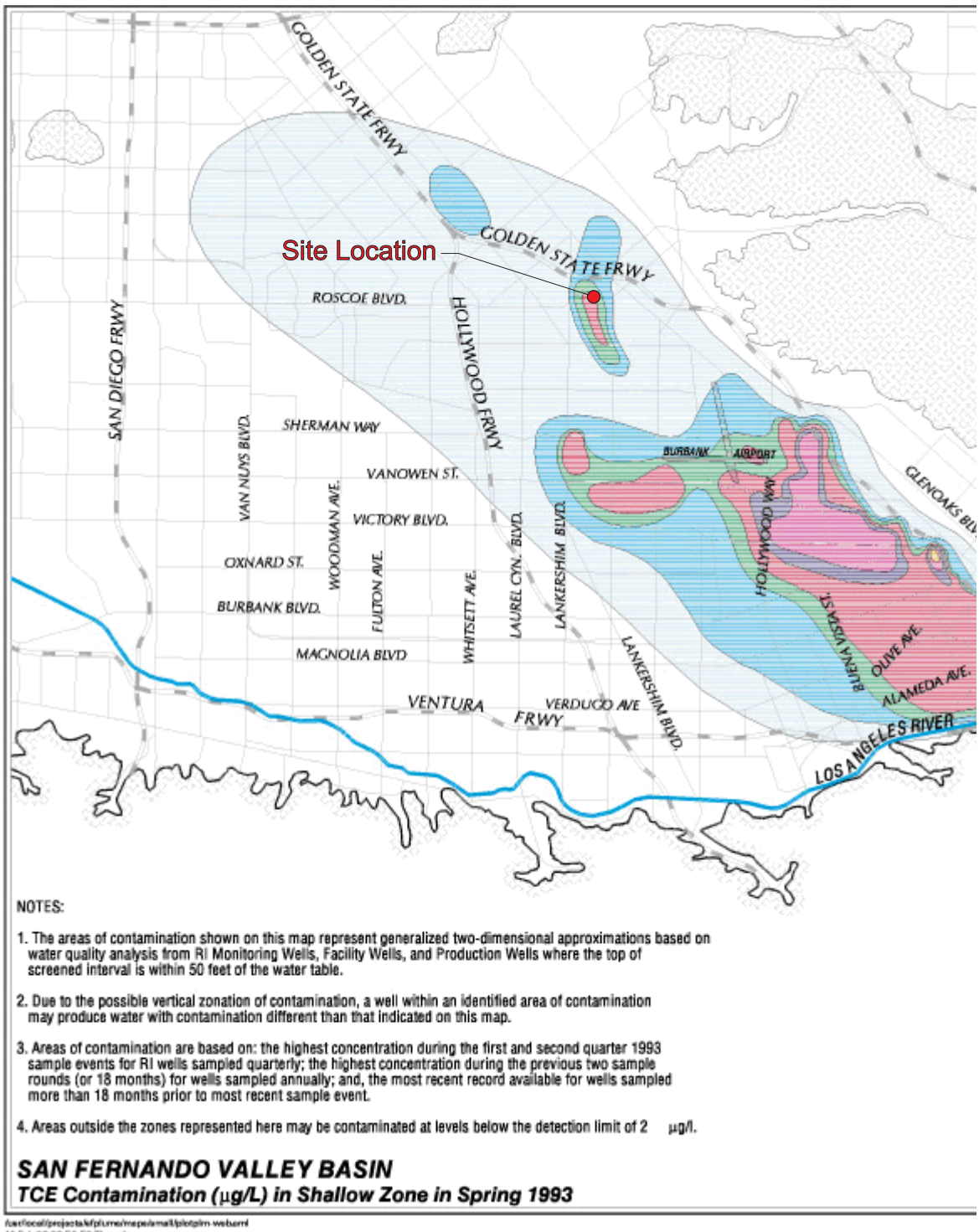
SAN FERNANDO VALLEY BASIN

TCE Contamination (µg/L) in Shallow Zone in Fall 1992

/usr/local/projects/efp/ume/mepa/small/plotplm-web.aml
12 Feb 98 09:58:22 Thursday

Source: USEPA Region 9: San Fernando Valley Superfund Site <http://www.epa.gov/region9/superfund/>

Project Name: California Car Hikers 11590 Tuxford Street, Sun Valley, California				
Title: TCE Contamination in Groundwater San Fernando Valley Basin				
Drafted By: DWS	**Approved By:** UML	**Project No.:** 2011-006	**Date:** 2/12	**Scale:** As shown



NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI Monitoring Wells, Facility Wells, and Production Wells where the top of screened interval is within 50 feet of the water table.

2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.

3. Areas of contamination are based on: the highest concentration during the first and second quarter 1993 sample events for RI wells sampled quarterly; the highest concentration during the previous two sample rounds (or 18 months) for wells sampled annually; and, the most recent record available for wells sampled more than 18 months prior to most recent sample event.

4. Areas outside the zones represented here may be contaminated at levels below the detection limit of 2 µg/l.

SAN FERNANDO VALLEY BASIN

TCE Contamination (µg/L) in Shallow Zone in Spring 1993

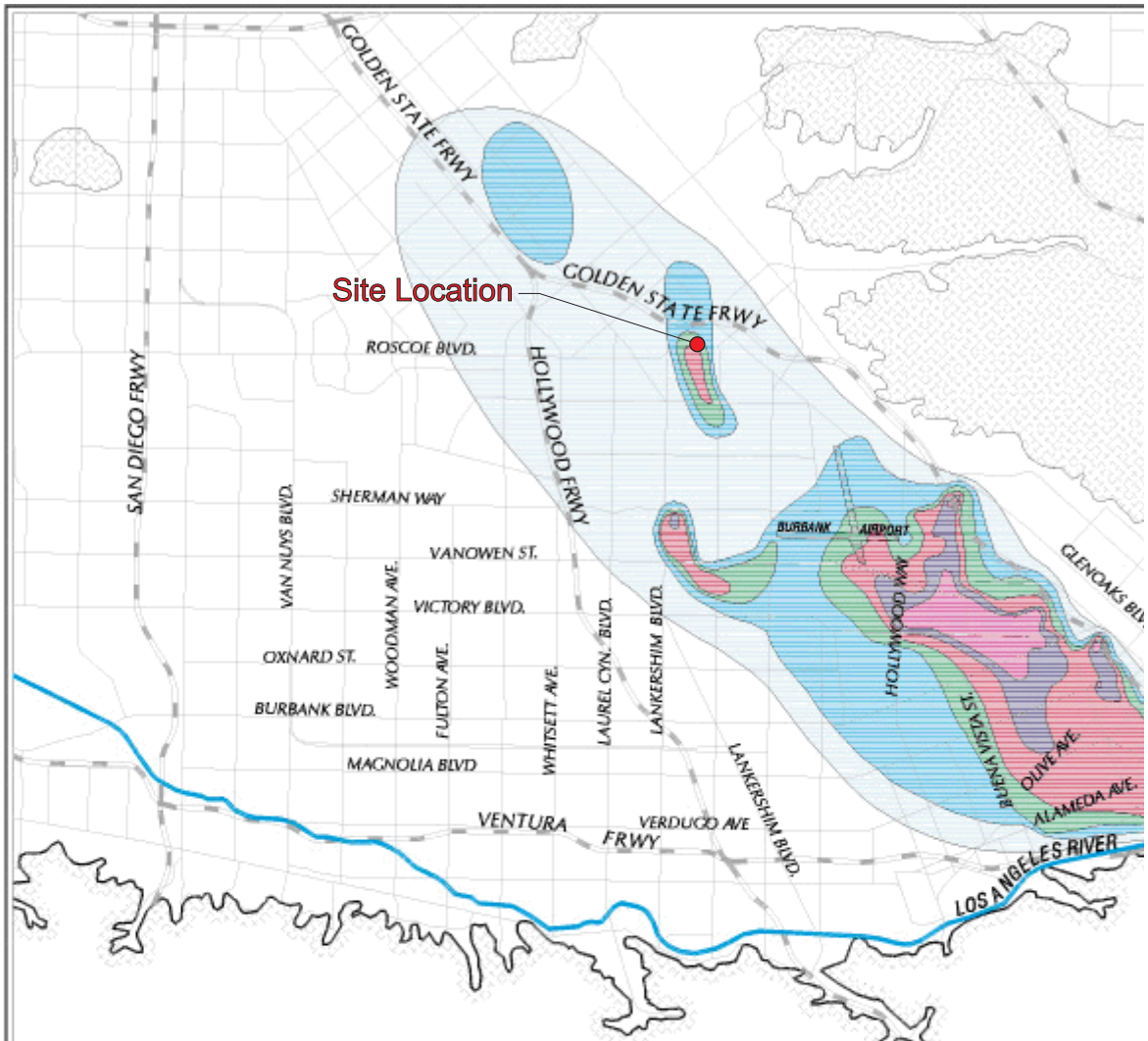
/usr/local/projects/sfplume/maps/small/plotplm-web.eml
12 Feb 98 09:55:53 Thursday

Source: USEPA Region 9: San Fernando Valley Superfund Site <http://www.epa.gov/region9/superfund/>

N

LANDMARK ENGINEERING

Project Name: California Car Hikers 11590 Tuxford Street, Sun Valley, California				
Title: TCE Contamination in Groundwater San Fernando Valley Basin				
Drafted By: DWS	**Approved By:** UML	**Project No.:** 2011-006	**Date:** 2/12	**Scale:** As shown



NOTES: µg/l.1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI Monitoring Wells, Facility Wells, and Production Wells where the top of screened interval is within 50 feet of the water table. µg/l.2. Due to the possible vertical zonation of contamination, a well within an identified are may produce water with contamination different than that indicated on this map. µ

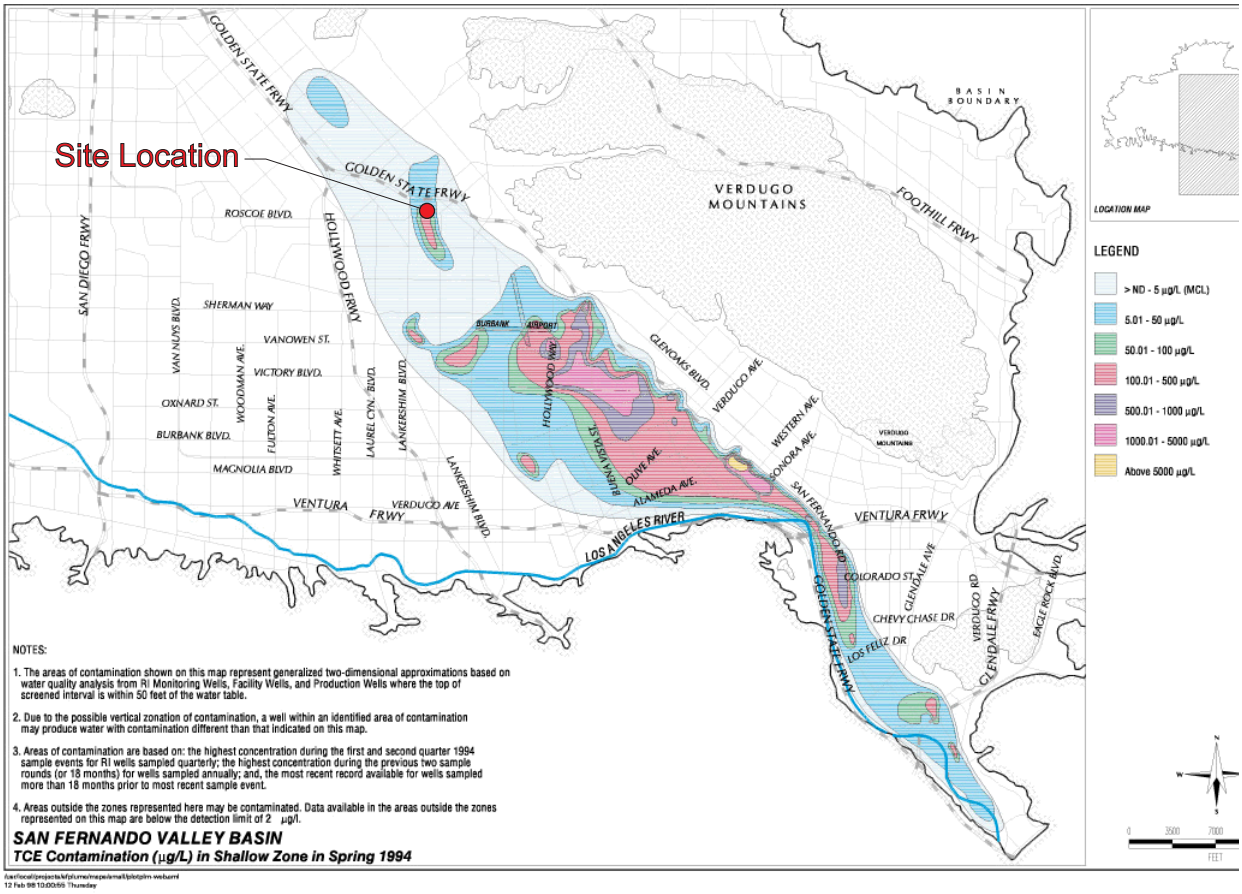
SAN FERNANDO VALLEY BASIN

TCE Contamination (µg/L) in Shallow Zone in Fall 1993

/usr/local/projects/efplume/maps/small/plotplm-web.aml
12 Feb 98 09:59:23 Thursday

Source: USEPA Region 9: San Fernando Valley Superfund Site <http://www.epa.gov/region9/superfund/>

Project Name: California Car Hikers 11590 Tuxford Street, Sun Valley, California				
Title: TCE Contamination in Groundwater San Fernando Valley Basin				
Drafted By: DWS	**Approved By:** UML	**Project No.:** 2011-006	**Date:** 2/12	**Scale:** As shown

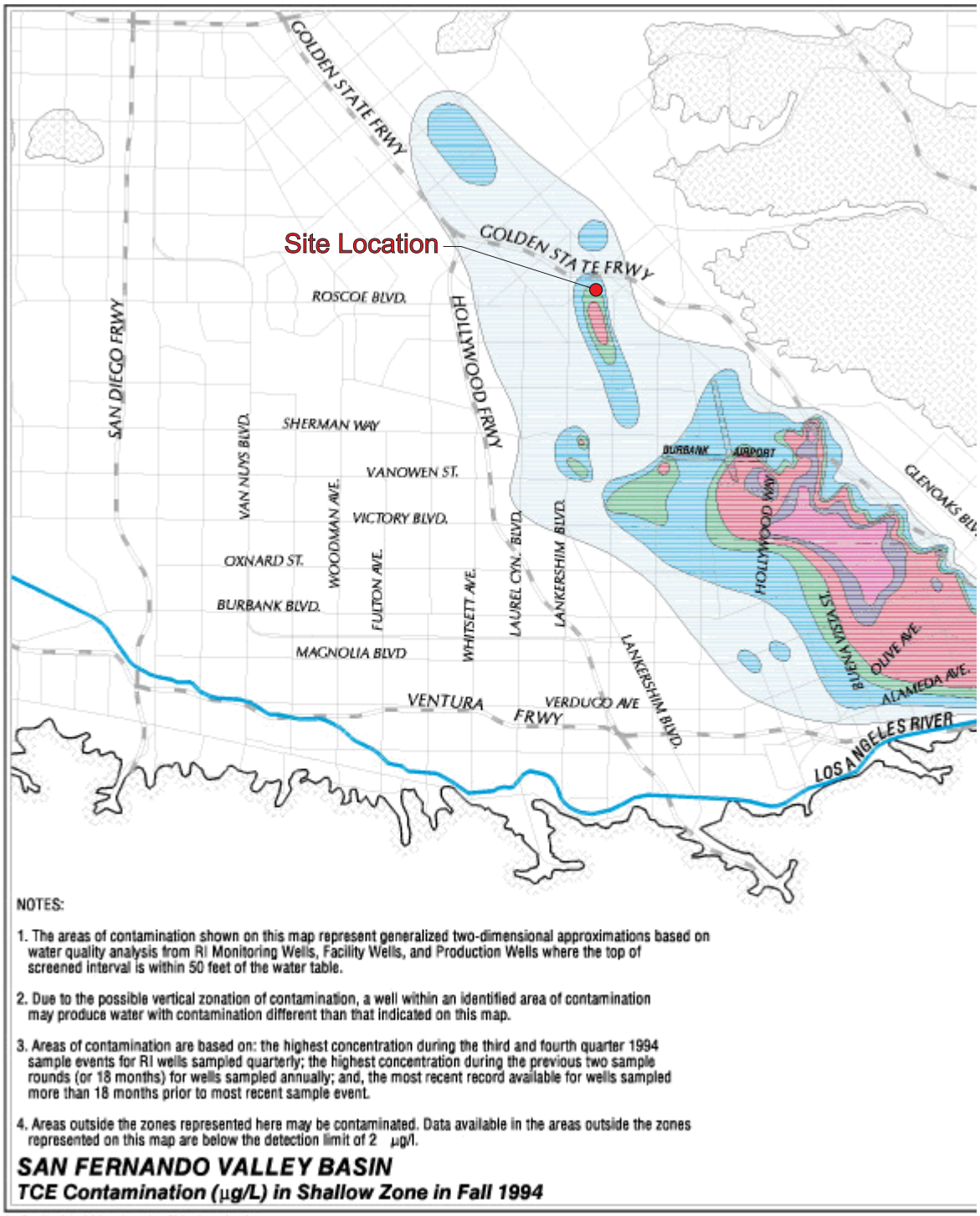


Source: USEPA Region 9: San Fernando Valley Superfund Site <http://www.epa.gov/region9/superfund/>

N

LANDMARK ENGINEERING

Project Name: California Car Hikers 11590 Tuxford Street, Sun Valley, California				
Title: TCE Contamination in Groundwater San Fernando Valley Basin				
Drafted By: DWS	**Approved By:** UML	**Project No.:** 2011-006	**Date:** 2/12	**Scale:** As shown



NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI Monitoring Wells, Facility Wells, and Production Wells where the top of screened interval is within 50 feet of the water table.

2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.

3. Areas of contamination are based on: the highest concentration during the third and fourth quarter 1994 sample events for RI wells sampled quarterly; the highest concentration during the previous two sample rounds (or 18 months) for wells sampled annually; and, the most recent record available for wells sampled more than 18 months prior to most recent sample event.

4. Areas outside the zones represented here may be contaminated. Data available in the areas outside the zones represented on this map are below the detection limit of 2 µg/l.

SAN FERNANDO VALLEY BASIN

TCE Contamination (µg/L) in Shallow Zone in Fall 1994

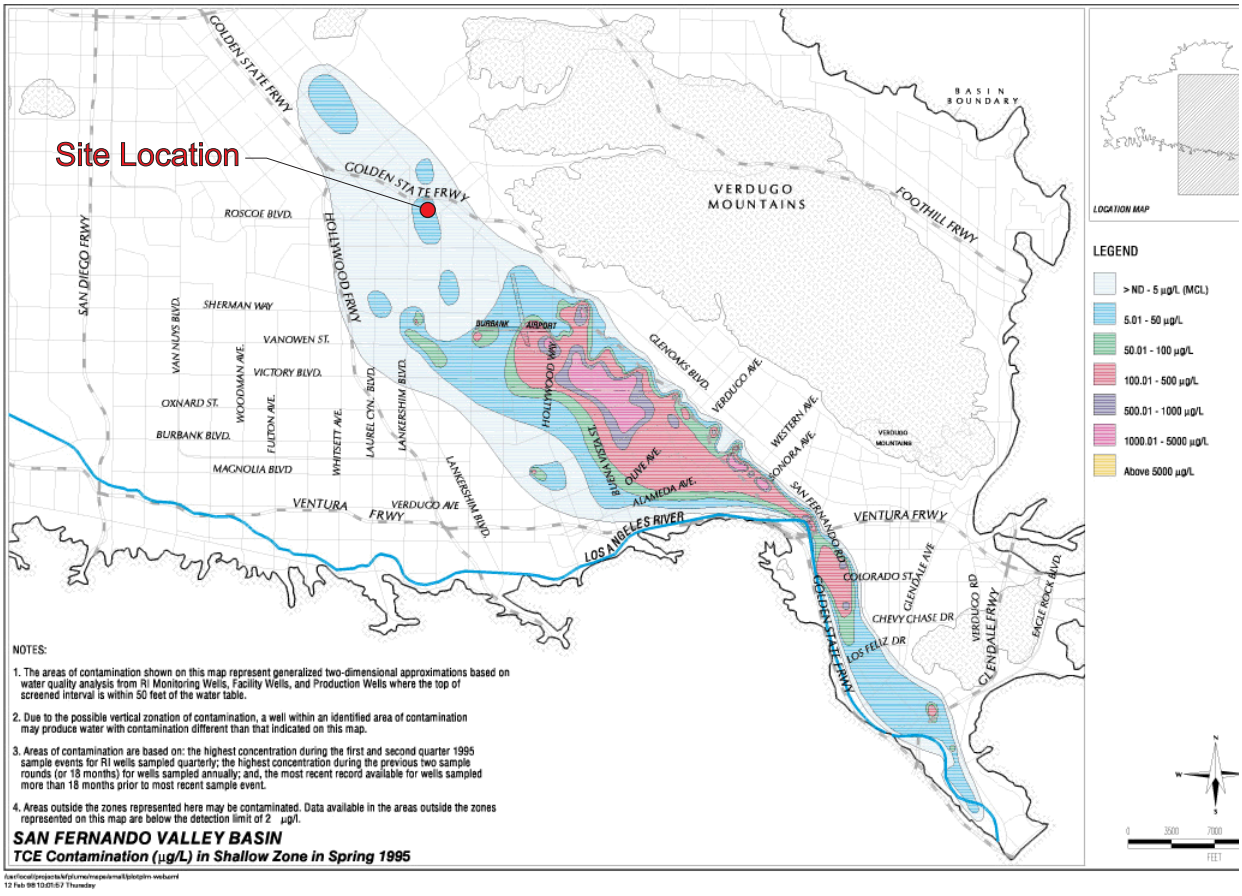
/usr/local/projects/sfplume/maps/small/plotplm-web.eml
12 Feb 98 10:00:24 Thursday

Source: USEPA Region 9: San Fernando Valley Superfund Site <http://www.epa.gov/region9/superfund/>

N

LANDMARK ENGINEERING

Project Name: California Car Hikers 11590 Tuxford Street, Sun Valley, California				
Title: TCE Contamination in Groundwater San Fernando Valley Basin				
Drafted By: DWS	**Approved By:** UML	**Project No.:** 2011-006	**Date:** 2/12	**Scale:** As shown

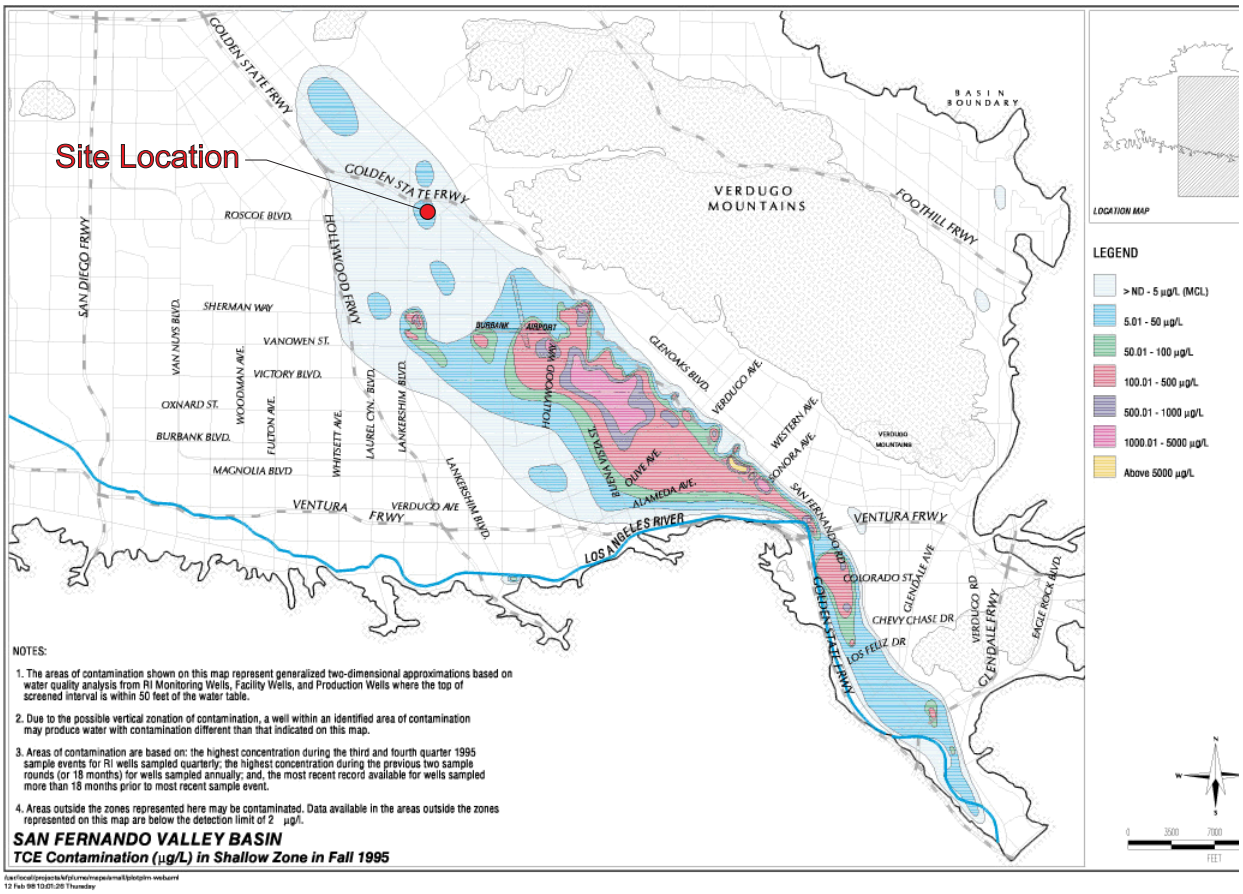


Source: USEPA Region 9: San Fernando Valley Superfund Site <http://www.epa.gov/region9/superfund/>

N

LANDMARK ENGINEERING

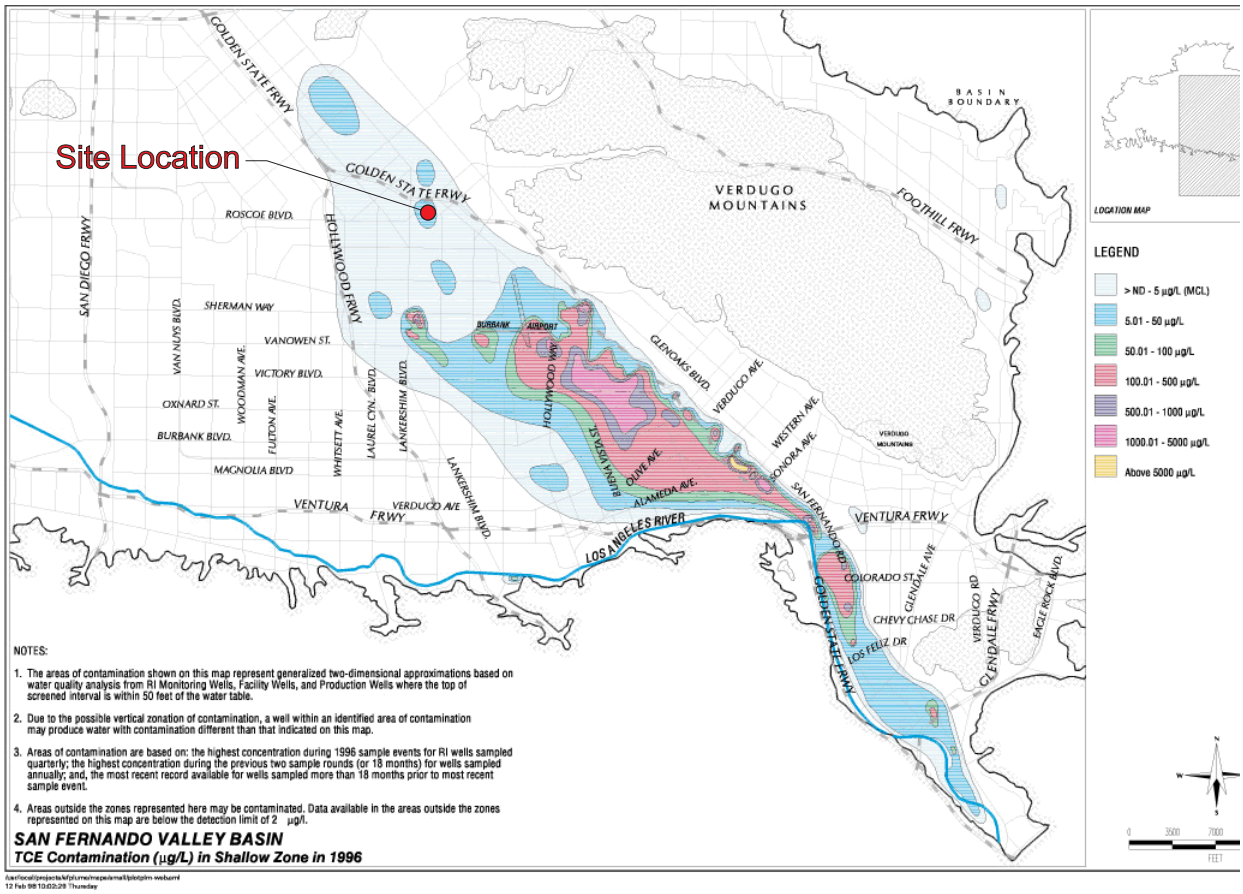
Project Name: California Car Hikers 11590 Tuxford Street, Sun Valley, California				
Title: TCE Contamination in Groundwater San Fernando Valley Basin				
Drafted By: DWS	**Approved By:** UML	**Project No.:** 2011-006	**Date:** 2/12	**Scale:** As shown



Source: USEPA Region 9: San Fernando Valley Superfund Site <http://www.epa.gov/region9/superfund/>

N

LANDMARK ENGINEERING	**Project Name:** California Car Hikers 11590 Tuxford Street, Sun Valley, California				
	Title: TCE Contamination in Groundwater San Fernando Valley Basin				
	Drafted By: DWS	**Approved By:** UML	**Project No.:** 2011-006	**Date:** 2/12	**Scale:** As shown



Source: USEPA Region 9: San Fernando Valley Superfund Site <http://www.epa.gov/region9/superfund/>

N

LANDMARK ENGINEERING

Project Name: California Car Hikers 11590 Tuxford Street, Sun Valley, California				
Title: TCE Contamination in Groundwater San Fernando Valley Basin				
Drafted By: DWS	**Approved By:** UML	**Project No.:** 2011-006	**Date:** 2/12	**Scale:** As shown

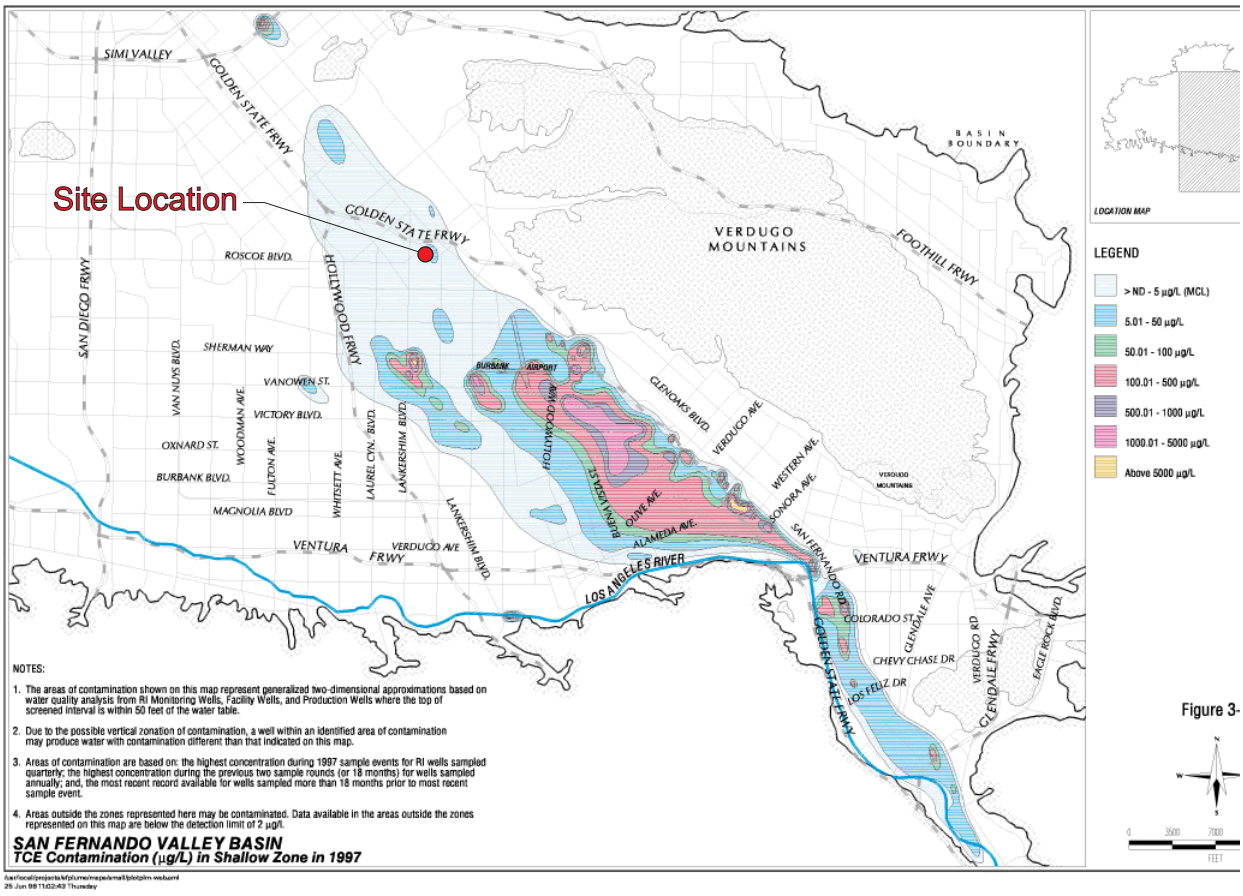


Figure 3-

Source: USEPA Region 9: San Fernando Valley Superfund Site <http://www.epa.gov/region9/superfund/>

N

LANDMARK ENGINEERING

Project Name: California Car Hikers 11590 Tuxford Street, Sun Valley, California				
Title: TCE Contamination in Groundwater San Fernando Valley Basin				
Drafted By: DWS	**Approved By:** UML	**Project No.:** 2011-006	**Date:** 2/12	**Scale:** As shown

SIMI VALLEY
GOLDEN STATE FRWY
Site Location
ROSCOE BLVD.
SAN DIEGO FRWY
HOLLYWOOD FRWY
SHERMAN WAY
VAN NUYS BLVD.
VANOWEN ST.
WOODMAN AVE.
VICTORY BLVD.
FULTON AVE.
OXNARD ST.
WHITSETT AVE.
BURBANK BLVD.
LAUREL CYN. BLVD.
LANKERSHIM BLVD.
MAGNOLIA BLVD
VENTURA FRWY
VERDUGO AVE
LANKERSHIM BLVD.
BURBANK AIRPORT
HOLLYWOOD WAY
GLENOAKS BLVD.
VERDUGO AVE.
WESTERN AVE.
SONORA AVE.
OLIVE AVE.
ALAMEDA AVE.
BUENA VISTA ST.
SAN FERNANDO RD.
LOS ANGELES RIVER
VERDUGO MOUNTAINS
FOOTHILL FRWY
BASIN BOUNDARY
VENTURA FRWY
COLORADO ST.
GLENDALE AVE
CHEVY CHASE DR
LOS FELIZ DR
VERDUGO RD
GLENDALE FRWY
EAGLE ROCK BLVD.
GLENDALE FRWY

LOCATION MAP

LEGEND

- > ND - 5 µg/L (MCL)
- 5.01 - 50 µg/L
- 50.01 - 100 µg/L
- 100.01 - 500 µg/L
- 500.01 - 1000 µg/L
- 1000.01 - 5000 µg/L
- Above 5000 µg/L

NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI Monitoring Wells, Facility Wells, and Production Wells where the top of screened interval is within 50 feet of the water table.
2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.
3. Areas of contamination are based on: the highest concentration during 1998 sample events for RI wells sampled quarterly; the highest concentration during the previous two sample rounds (or 18 months) for wells sampled annually; and, the most recent record available for wells sampled more than 18 months prior to most recent sample event.
4. Areas outside the zones represented here may be contaminated. Data available in the areas outside the zones represented on this map are below the detection limit of 2 µg/l.

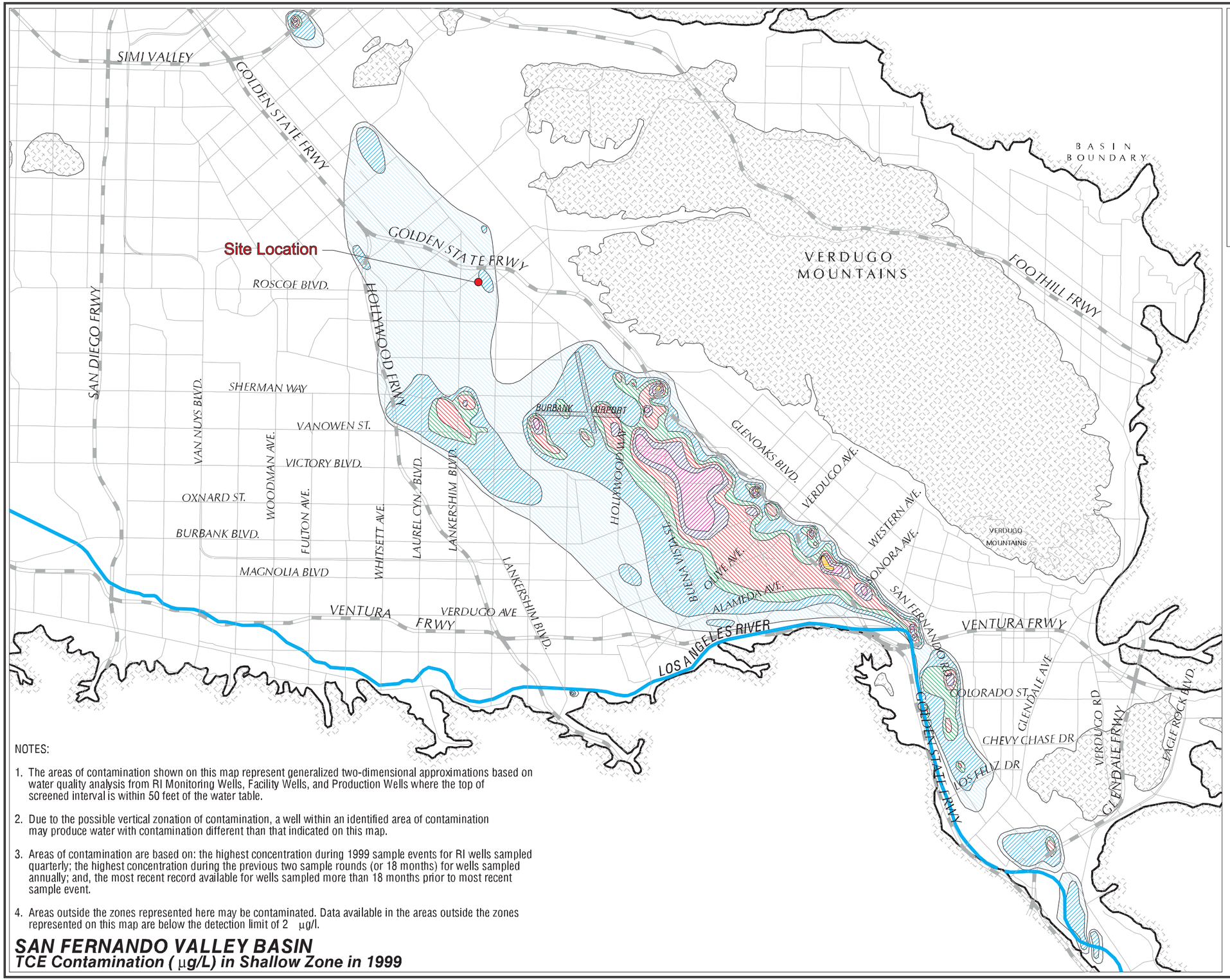
SAN FERNANDO VALLEY BASIN
TCE Contamination (µg/L) in Shallow Zone in 1998

Figure 3-6

N W E S

0 3500 7000 14000
FEET

d:/projects/sfplume/maps/small/plotplm.aml
20 Feb 99 13:33:03 Saturday



LOCATION MAP

LEGEND

- > ND - 5 µg/L (MCL)
- 5.01 - 50 µg/L
- 50.01 - 100 µg/L
- 100.01 - 500 µg/L
- 500.01 - 1000 µg/L
- 1000.01 - 5000 µg/L
- Above 5000 µg/L

NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI Monitoring Wells, Facility Wells, and Production Wells where the top of screened interval is within 50 feet of the water table.
2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.
3. Areas of contamination are based on: the highest concentration during 1999 sample events for RI wells sampled quarterly; the highest concentration during the previous two sample rounds (or 18 months) for wells sampled annually; and, the most recent record available for wells sampled more than 18 months prior to most recent sample event.
4. Areas outside the zones represented here may be contaminated. Data available in the areas outside the zones represented on this map are below the detection limit of 2 µg/l.

SAN FERNANDO VALLEY BASIN
TCE Contamination (µg/L) in Shallow Zone in 1999

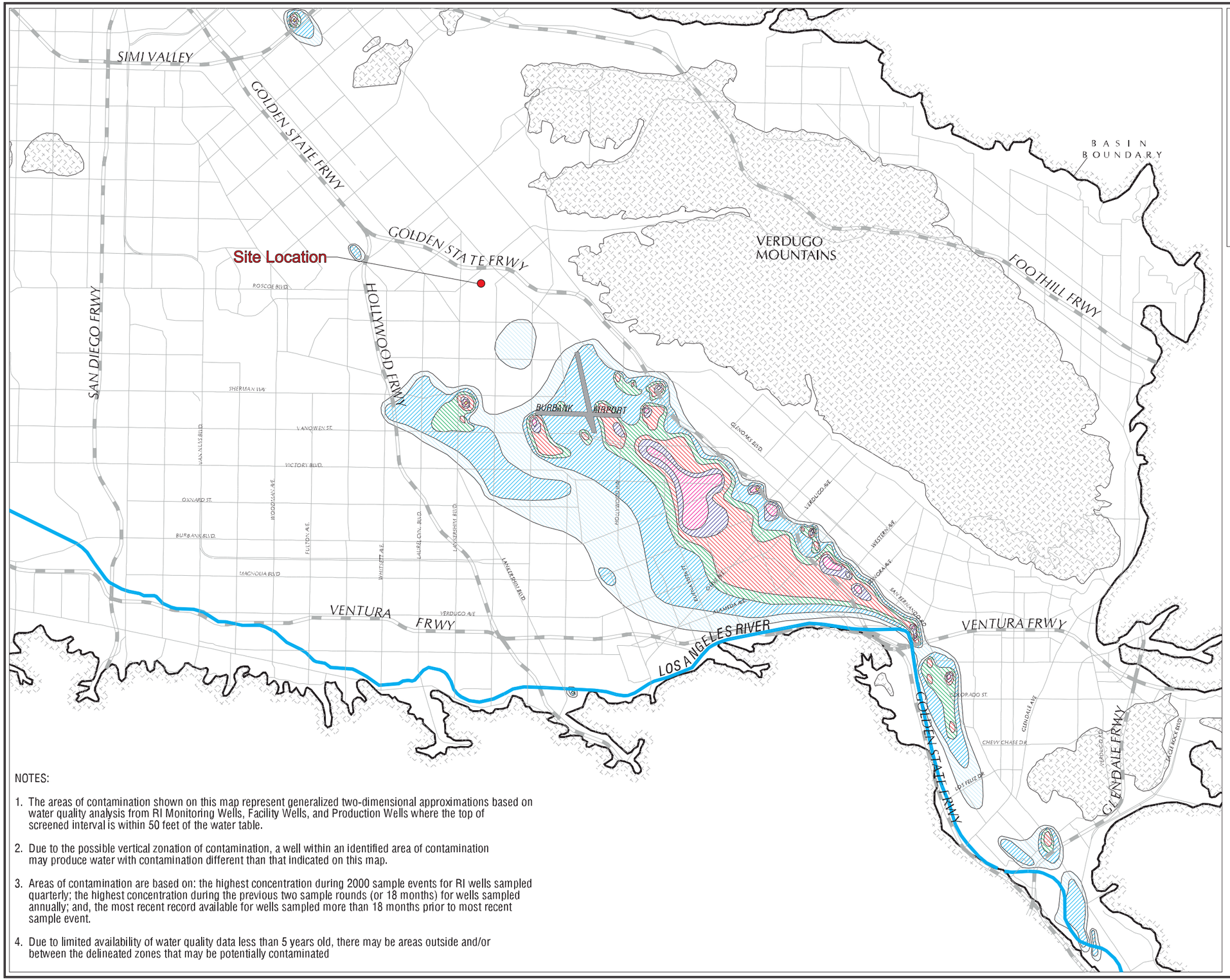
Figure 3-6

N W E S

0 3500 7000 14000

FEET

d:/projects/sfplume/maps/small/plotplm.aml
18 Aug 00 09:40:22 Friday



LOCATION MAP

LEGEND

- > DL - 5 µg/L (MCL)
- 5.01 - 50 µg/L
- 50.01 - 100 µg/L
- 100.01 - 500 µg/L
- 500.01 - 1000 µg/L
- 1000.01 - 5000 µg/L
- Above 5000 µg/L

NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI Monitoring Wells, Facility Wells, and Production Wells where the top of screened interval is within 50 feet of the water table.
2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.
3. Areas of contamination are based on: the highest concentration during 2000 sample events for RI wells sampled quarterly; the highest concentration during the previous two sample rounds (or 18 months) for wells sampled annually; and, the most recent record available for wells sampled more than 18 months prior to most recent sample event.
4. Due to limited availability of water quality data less than 5 years old, there may be areas outside and/or between the delineated zones that may be potentially contaminated

Figure 3-6

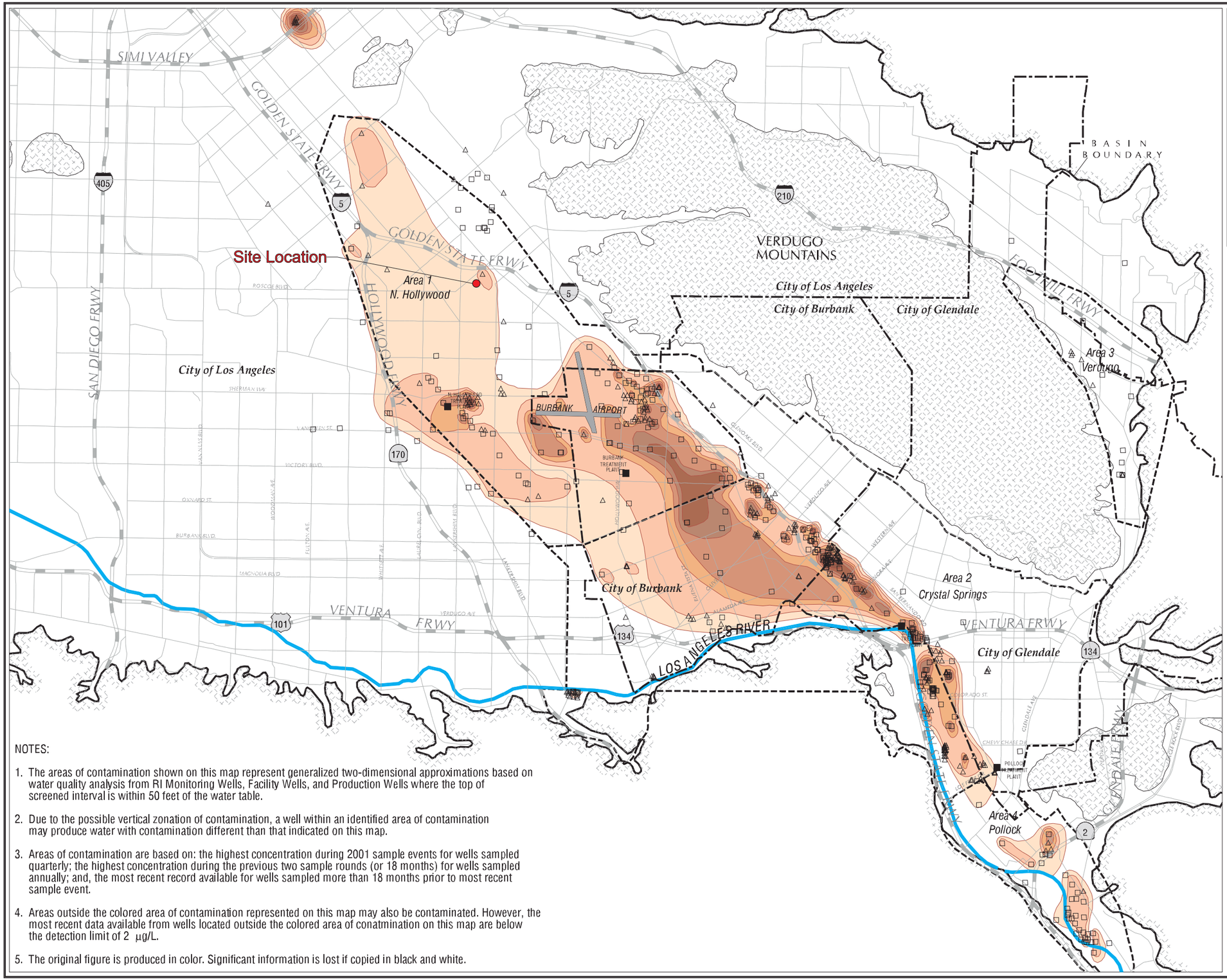
SAN FERNANDO VALLEY BASIN

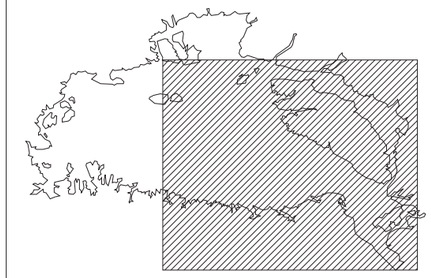
TCE Contamination (µg/L)
in Shallow Zone in 2000

N
W
E
S

0 3500 7000 14000
FEET

d:/projects/sfplume/maps/small/plotplm.aml





LOCATION MAP

LEGEND

- > DL - 5 µg/L (MCL)
- 5.01 - 50 µg/L
- 50.01 - 100 µg/L
- 100.01 - 500 µg/L
- 500.01 - 1000 µg/L
- 1000.01 - 5000 µg/L
- Above 5000 µg/L
- Municipal Boundary
- Investigation Areas Boundary
- Treatment Plant
- Well Sampled in 1998 or Later
- Well Sampled before 1998
- Extraction Well

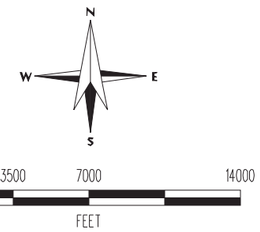
NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI Monitoring Wells, Facility Wells, and Production Wells where the top of screened interval is within 50 feet of the water table.
2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.
3. Areas of contamination are based on: the highest concentration during 2001 sample events for wells sampled quarterly; the highest concentration during the previous two sample rounds (or 18 months) for wells sampled annually; and, the most recent record available for wells sampled more than 18 months prior to most recent sample event.
4. Areas outside the colored area of contamination represented on this map may also be contaminated. However, the most recent data available from wells located outside the colored area of conatmination on this map are below the detection limit of 2 µg/L.
5. The original figure is produced in color. Significant information is lost if copied in black and white.

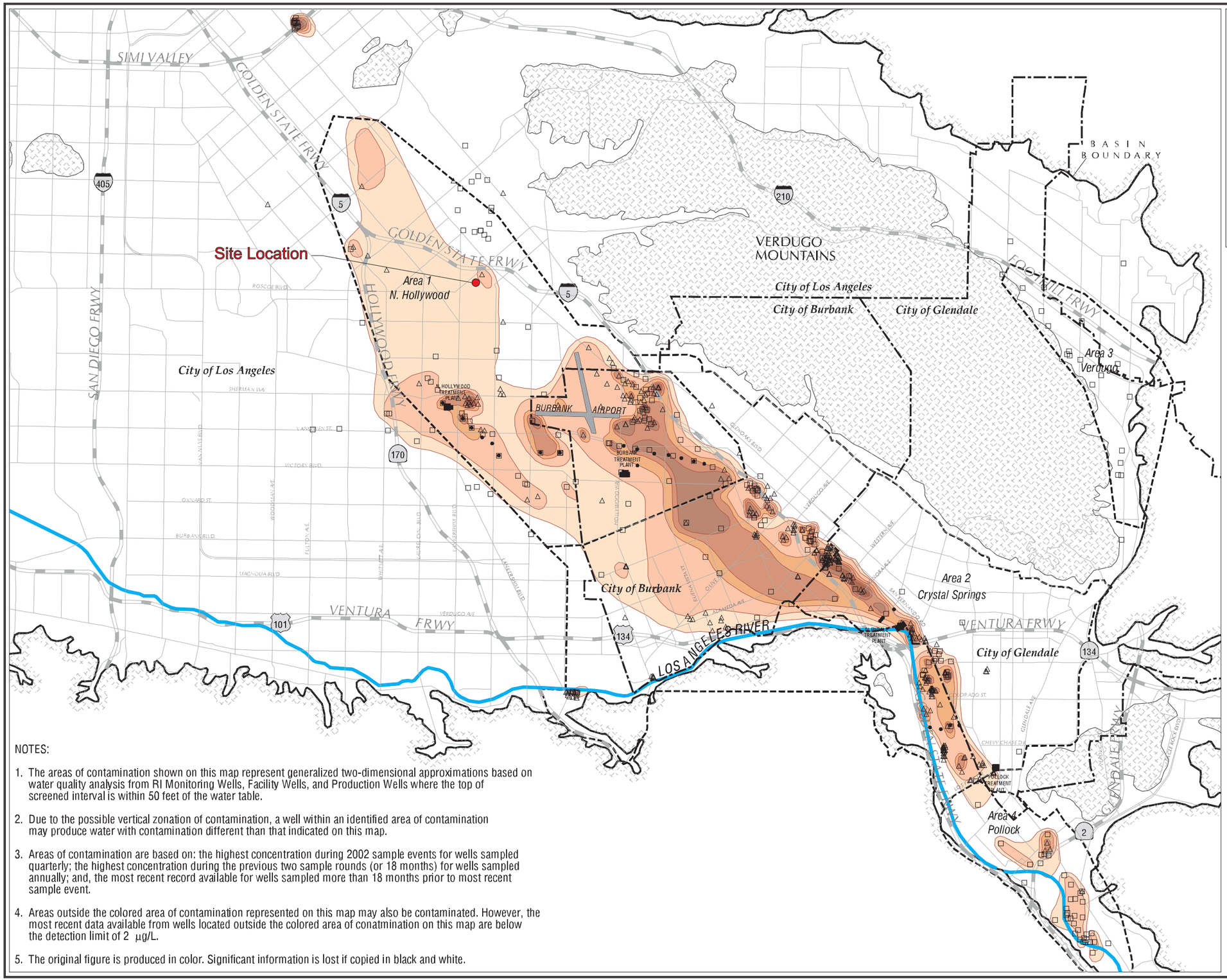
Figure 3-6

SAN FERNANDO VALLEY BASIN

TCE Contamination (µg/L)
in Shallow Zone in 2001



d:/projects/sfplume/maps/small/plotplumenew.aml



LOCATION MAP

LEGEND

- > DL - 5 µg/L (MCL)
- 5.01 - 50 µg/L
- 50.01 - 100 µg/L
- 100.01 - 500 µg/L
- 500.01 - 1000 µg/L
- 1000.01 - 5000 µg/L
- Above 5000 µg/L
- Municipal Boundary
- Investigation Areas Boundary
- Treatment Plant
- Well Sampled in 1998 or Later
- Well Sampled before 1998
- Extraction Well

NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI Monitoring Wells, Facility Wells, and Production Wells where the top of screened interval is within 50 feet of the water table.
2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.
3. Areas of contamination are based on: the highest concentration during 2002 sample events for wells sampled quarterly; the highest concentration during the previous two sample rounds (or 18 months) for wells sampled annually; and, the most recent record available for wells sampled more than 18 months prior to most recent sample event.
4. Areas outside the colored area of contamination represented on this map may also be contaminated. However, the most recent data available from wells located outside the colored area of conatmination on this map are below the detection limit of 2 µg/L.
5. The original figure is produced in color. Significant information is lost if copied in black and white.

Figure 3-6

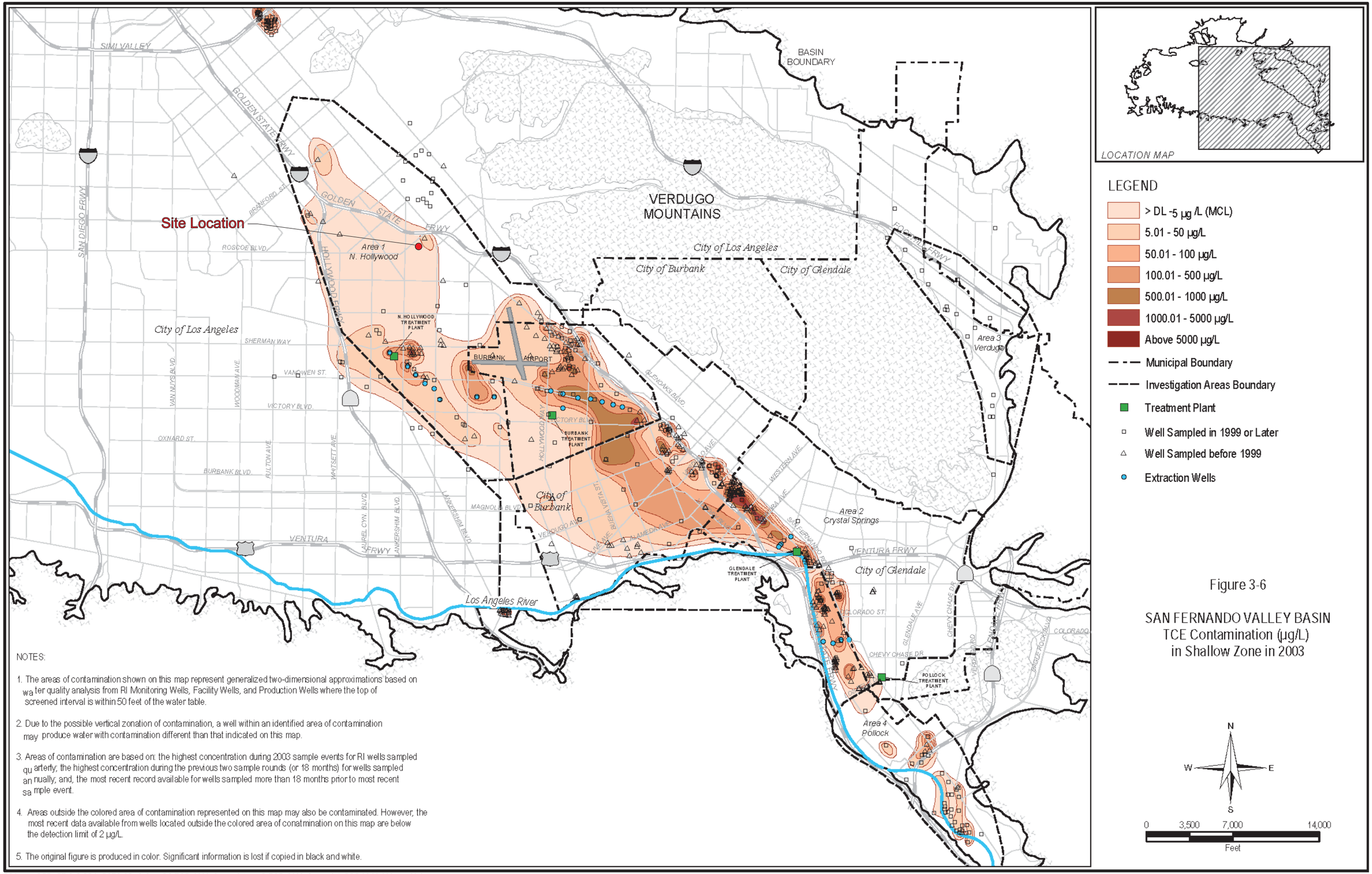
SAN FERNANDO VALLEY BASIN

TCE Contamination (µg/L)
in Shallow Zone in 2002

N
W E
S

0 3500 7000 14000
FEET

d:/projects/sfplume/maps/small/plotplumenew.aml
28 Jul 03 16:37:19 Monday



NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI Monitoring Wells, Facility Wells, and Production Wells where the top of screened interval is within 50 feet of the water table.

2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.

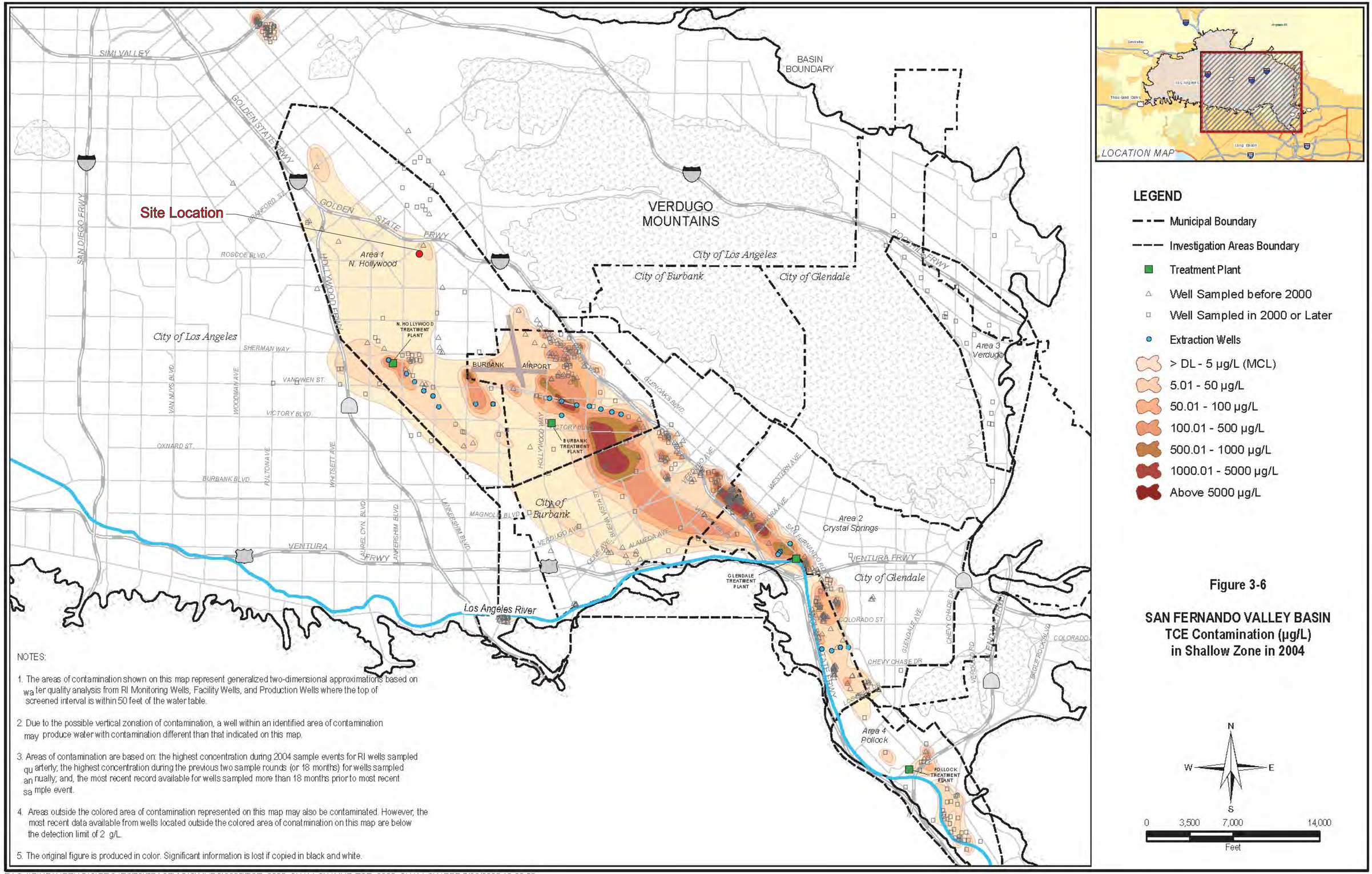
3. Areas of contamination are based on: the highest concentration during 2003 sample events for RI wells sampled quarterly; the highest concentration during the previous two sample rounds (or 18 months) for wells sampled annually; and, the most recent record available for wells sampled more than 18 months prior to most recent sample event.

4. Areas outside the colored area of contamination represented on this map may also be contaminated. However, the most recent data available from wells located outside the colored area of conatmination on this map are below the detection limit of 2 µg/L.

5. The original figure is produced in color. Significant information is lost if copied in black and white.

Figure 3-6

SAN FERNANDO VALLEY BASIN
TCE Contamination (µg/L)
in Shallow Zone in 2003



NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI Monitoring Wells, Facility Wells, and Production Wells where the top of screened interval is within 50 feet of the water table.
2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.
3. Areas of contamination are based on: the highest concentration during 2004 sample events for RI wells sampled quarterly; the highest concentration during the previous two sample rounds (or 18 months) for wells sampled annually; and, the most recent record available for wells sampled more than 18 months prior to most recent sample event.
4. Areas outside the colored area of contamination represented on this map may also be contaminated. However, the most recent data available from wells located outside the colored area of conatmination on this map are below the detection limit of 2 g/L.
5. The original figure is produced in color. Significant information is lost if copied in black and white.

LEGEND

- Municipal Boundary
- Investigation Areas Boundary
- Treatment Plant
- Well Sampled before 2000
- Well Sampled in 2000 or Later
- Extraction Wells
- > DL - 5 µg/L (MCL)
- 5.01 - 50 µg/L
- 50.01 - 100 µg/L
- 100.01 - 500 µg/L
- 500.01 - 1000 µg/L
- 1000.01 - 5000 µg/L
- Above 5000 µg/L

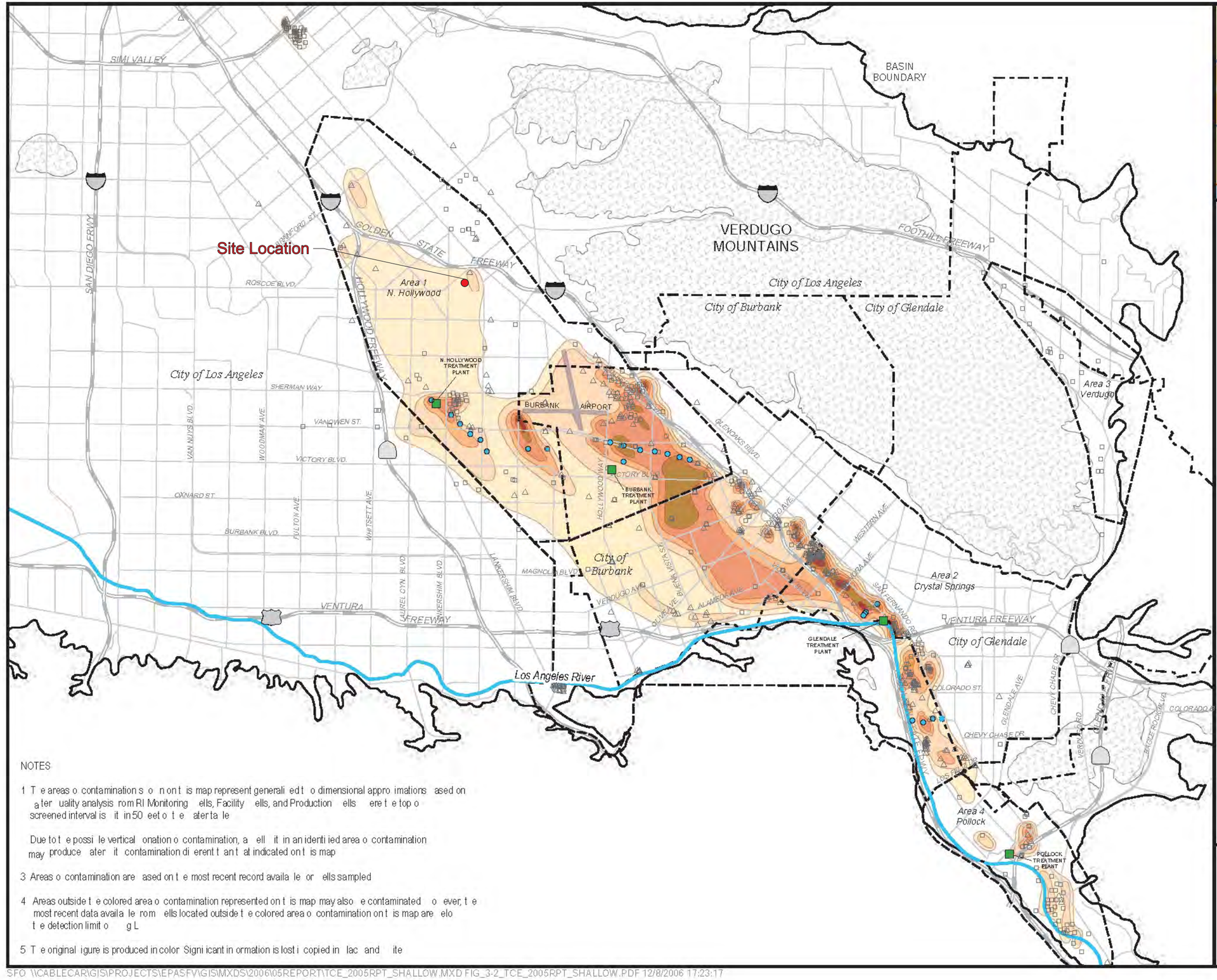
Figure 3-6

SAN FERNANDO VALLEY BASIN TCE Contamination (µg/L) in Shallow Zone in 2004

N W E S

0 3,500 7,000 14,000

Feet



NOTES

1 T e areas o contamination s o n ont is map represent generali ed t o dimensional appro imations ased on ater uality analysis rom RI Monitoring ells, Facility ells, and Production ells ere t e top o screened interval is it in 50 eet o t e aterta le

Due to t e possi le vertical onation o contamination, a ell it in an identi ied area o contamination may produce ater it contamination di erent t an t at indicated ont is map

3 Areas o contamination are ased on t e most recent record availa le or ells sampled

4 Areas outside t e colored area o contamination represented on t is map may also e contaminated o ever, t e most recent data availa le rom ells located outside t e colored area o contamination ont is map are elo t e detection limit o gL

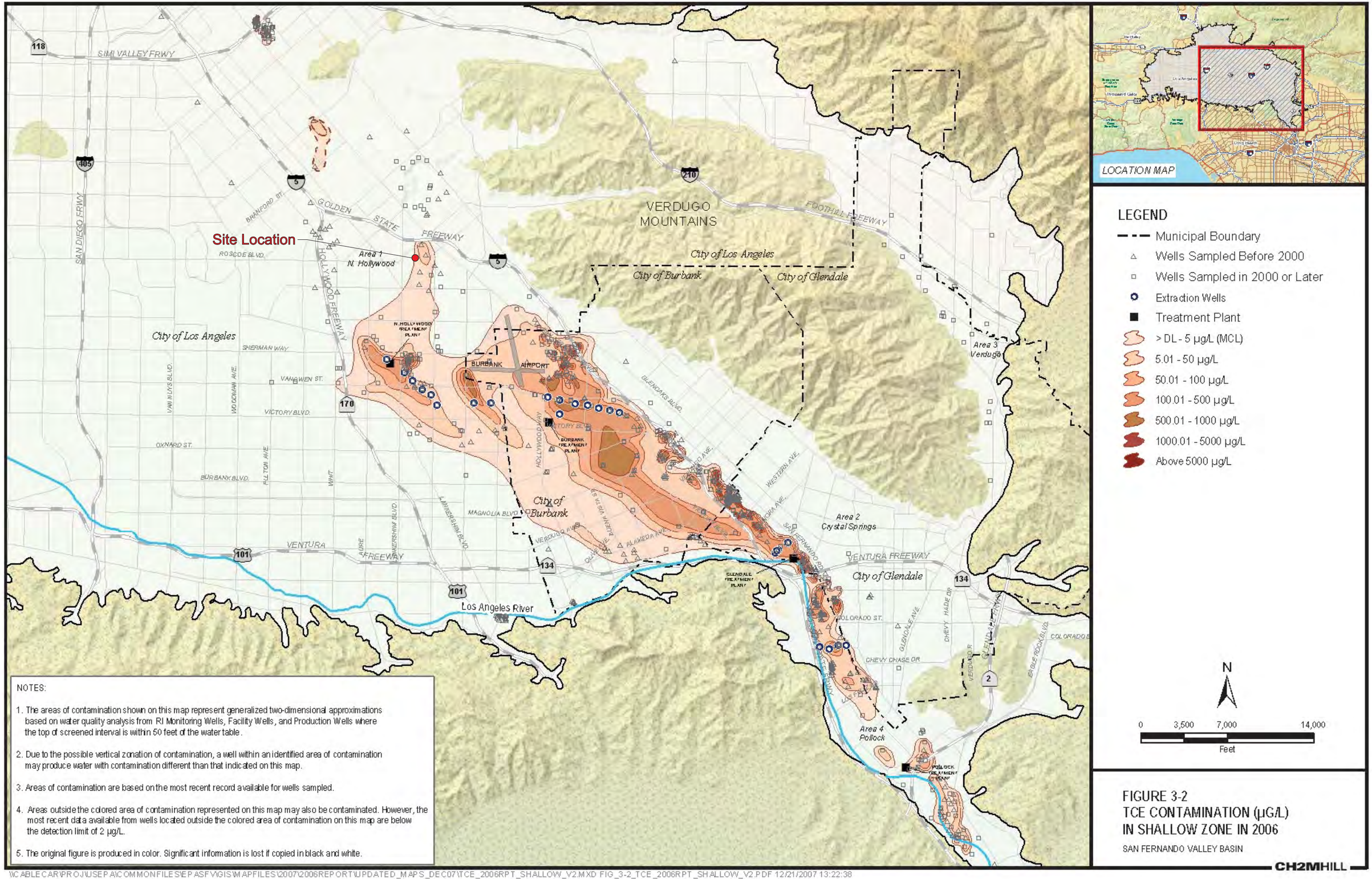
5 T e original igure is produced in color Signi icant in ormation is lost i copied in lac and ite

FIGURE 3-2
TCE CONTAMINATION (µG/L) IN SHALLOW ZONE IN 2005

SAN FERNANDO VALLEY BASIN

CH2MHILL

SFO \\CABLECAR\GIS\PROJECTS\EPASFV\GIS\MXDS\2006\05REPORT\TCE_2005RPT_SHALLOW.MXD FIG_3-2_TCE_2005RPT_SHALLOW.PDF 12/8/2006 17:23:17



NOTES:

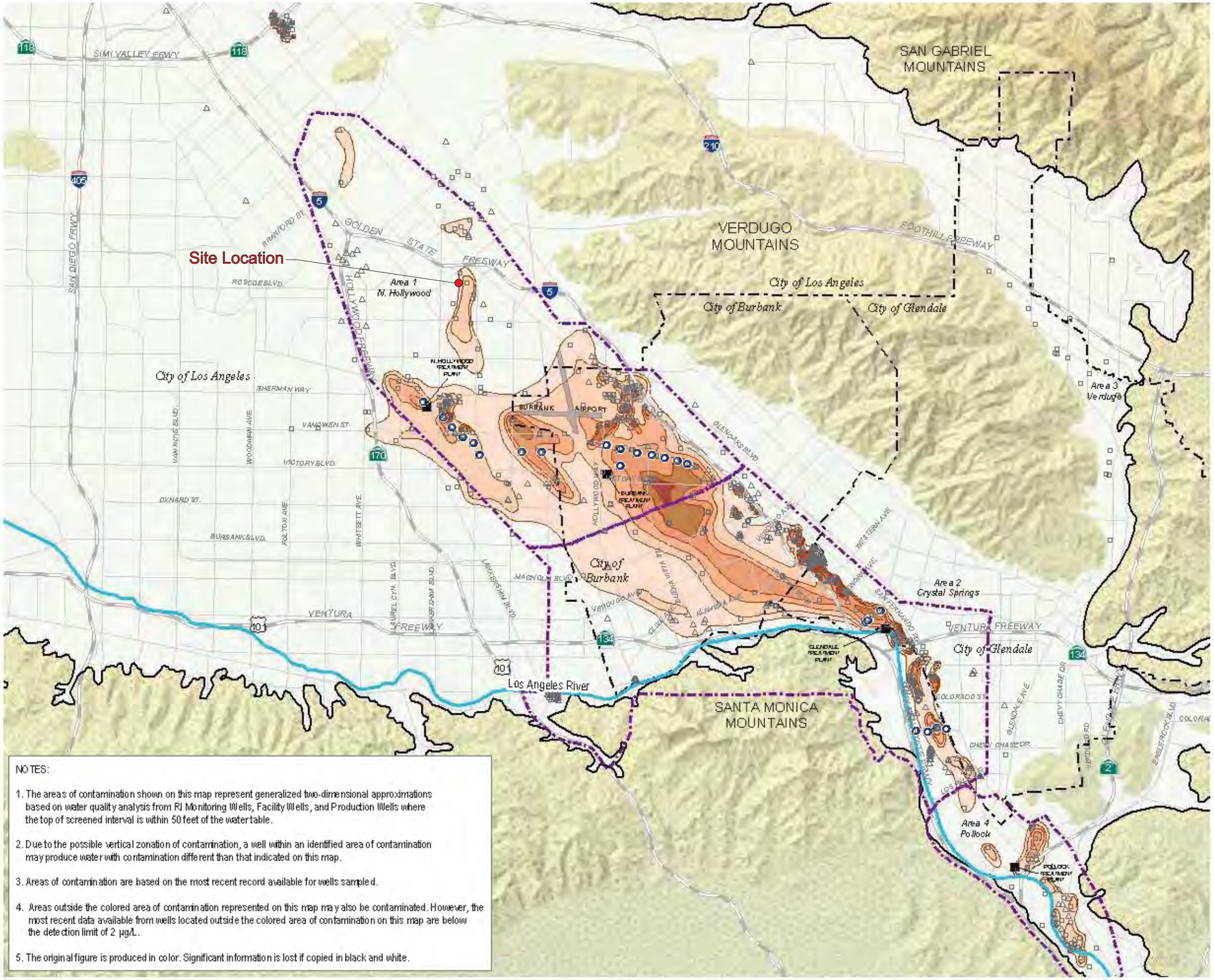
1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI Monitoring Wells, Facility Wells, and Production Wells where the top of screened interval is within 50 feet of the water table.
2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.
3. Areas of contamination are based on the most recent record available for wells sampled.
4. Areas outside the colored area of contamination represented on this map may also be contaminated. However, the most recent data available from wells located outside the colored area of contamination on this map are below the detection limit of 2 µg/L.
5. The original figure is produced in color. Significant information is lost if copied in black and white.

FIGURE 3-2
TCE CONTAMINATION (µG/L)
IN SHALLOW ZONE IN 2006

SAN FERNANDO VALLEY BASIN

CH2MHILL

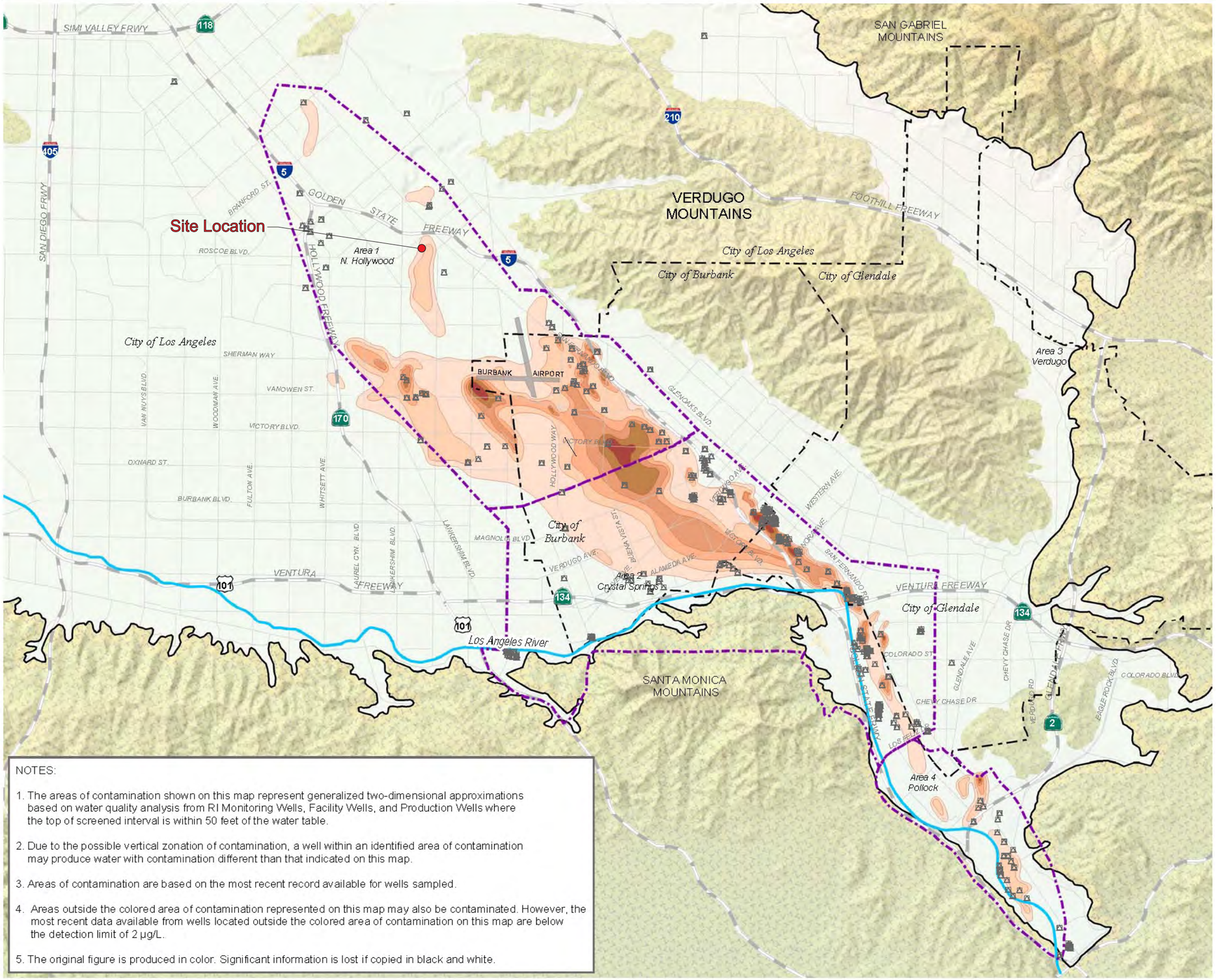
\\CABLECAR\PROJ\USEPA\COMMONFILES\EPASFV\GIS\MAPFILES\2007\2006REPORT\UPDATED_MAPS_DEC07\TCE_2006RPT_SHALLOW_V2.MXD FIG_3-2_TCE_2006RPT_SHALLOW_V2.PDF 12/21/2007 13:22:38



NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI Monitoring Wells, Facility Wells, and Production Wells where the top of screened interval is within 50 feet of the water table.
2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.
3. Areas of contamination are based on the most recent record available for wells sampled.
4. Areas outside the colored area of contamination represented on this map may also be contaminated. However, the most recent data available from wells located outside the colored area of contamination on this map are below the detection limit of 2 µg/L.
5. The original figure is produced in color. Significant information is lost if copied in black and white.

FIGURE 3-2
TCE Contamination (µg/L)
in Shallow Zone in 2007
San Fernando Valley Superfund Sites



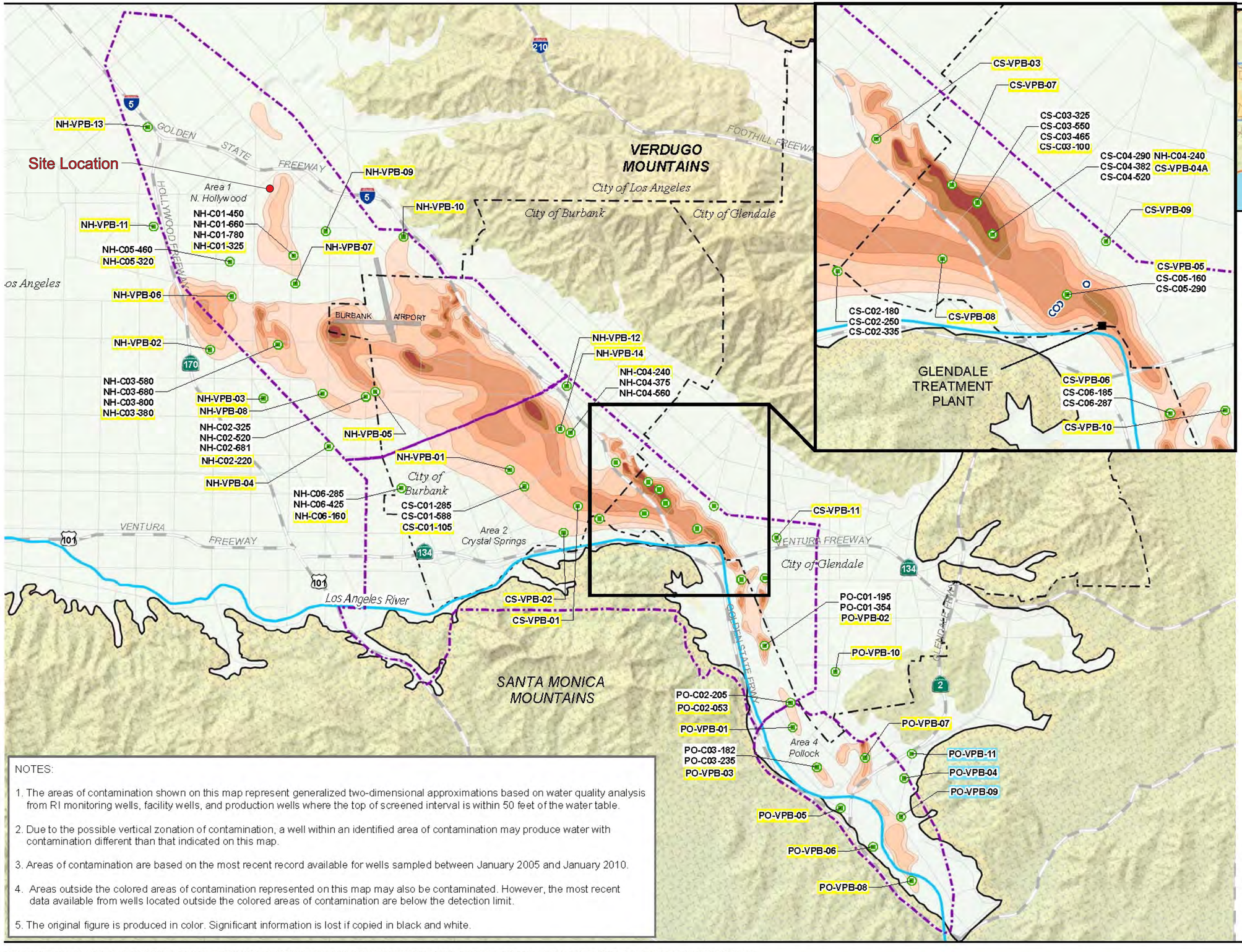
NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI Monitoring Wells, Facility Wells, and Production Wells where the top of screened interval is within 50 feet of the water table.
2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.
3. Areas of contamination are based on the most recent record available for wells sampled.
4. Areas outside the colored area of contamination represented on this map may also be contaminated. However, the most recent data available from wells located outside the colored area of contamination on this map are below the detection limit of 2 µg/L.
5. The original figure is produced in color. Significant information is lost if copied in black and white.

FIGURE 3-2
TCE Contamination (µg/L) in Shallow Zone in 2008
San Fernando Valley Superfund Sites

CH2MHILL

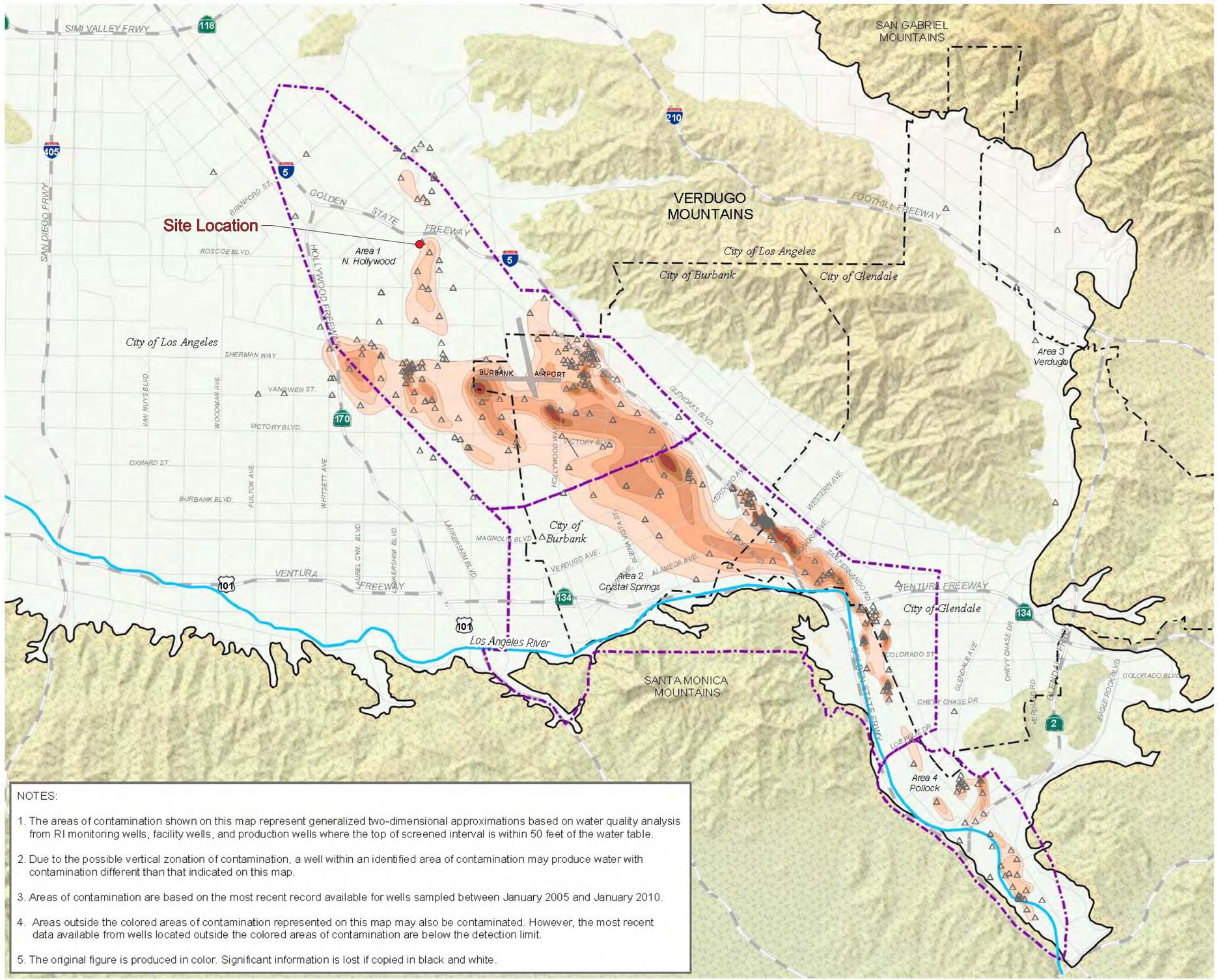
\\ZINFANDEL\PROJ\USENVIRONMENTALPROTE\COMMONFILES\GIS\EPASFV\MAPFILES\2009\2008REPORT\OCT2010_VERSION\TCE_2008RPT_SHALLOW.MXD CARCHER 10/22/2010 13:21:43



NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI monitoring wells, facility wells, and production wells where the top of screened interval is within 50 feet of the water table.
2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.
3. Areas of contamination are based on the most recent record available for wells sampled between January 2005 and January 2010.
4. Areas outside the colored areas of contamination represented on this map may also be contaminated. However, the most recent data available from wells located outside the colored areas of contamination are below the detection limit.
5. The original figure is produced in color. Significant information is lost if copied in black and white.

FIGURE 2
EPA RI Monitor Wells and TCE Contamination (ug/L) in the Shallow Zone 2009
San Fernando Valley Superfund Sites



LEGEND

- Wells Sampled For TCE
- Municipal Boundary
- Boundary of Initial Investigation for the San Fernando Valley Superfund Site

TCE Contamination

- > Detection Limit - 5 µg/L (MCL)
- 5 - 50 µg/L
- 50 - 100 µg/L
- 100 - 500 µg/L
- 500 - 1,000 µg/L
- 1,000 - 5,000 µg/L
- Above 5,000 µg/L

N

0 7,000 14,000
Feet

NOTES:

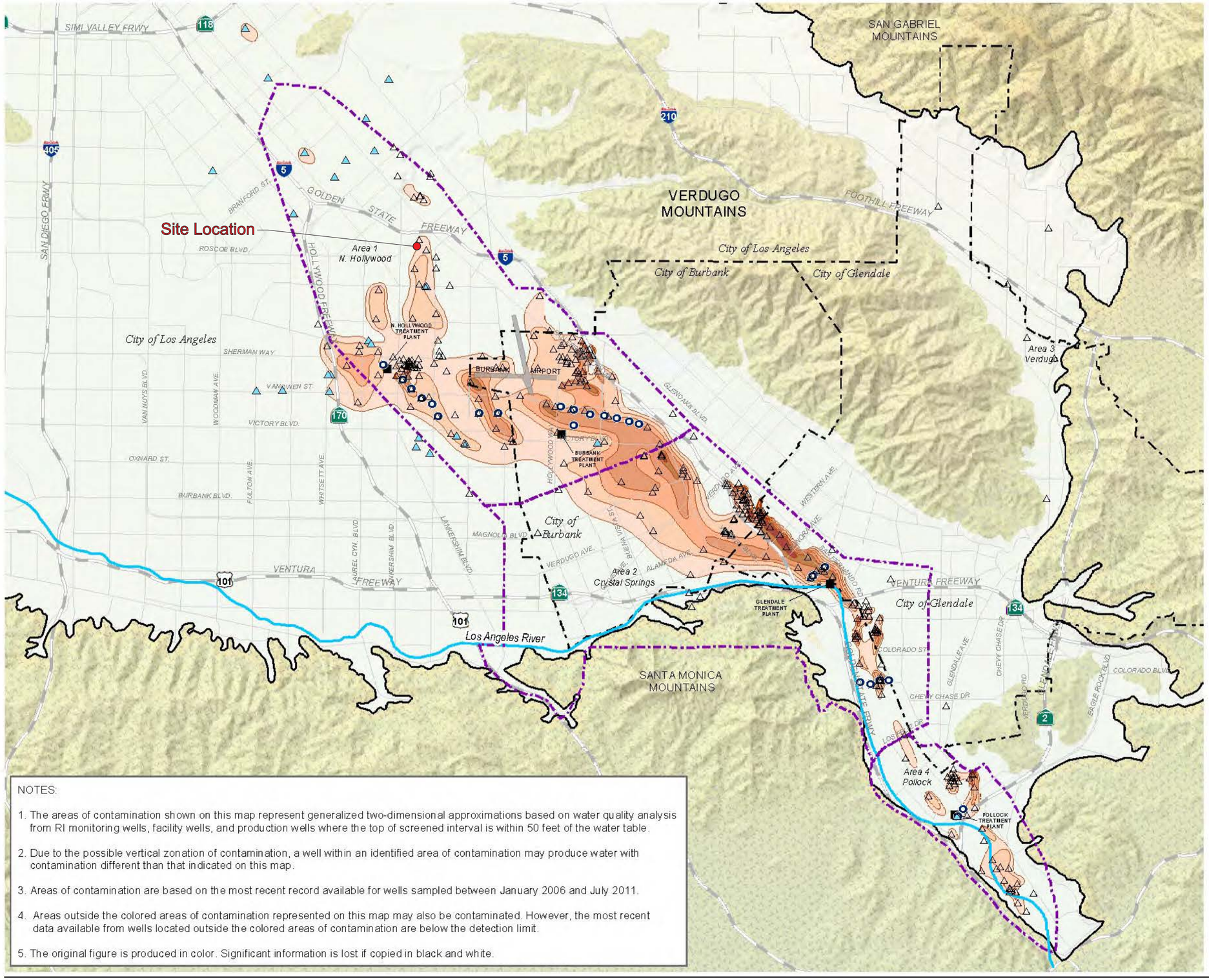
1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI monitoring wells, facility wells, and production wells where the top of screened interval is within 50 feet of the water table.
2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.
3. Areas of contamination are based on the most recent record available for wells sampled between January 2005 and January 2010.
4. Areas outside the colored areas of contamination represented on this map may also be contaminated. However, the most recent data available from wells located outside the colored areas of contamination are below the detection limit.
5. The original figure is produced in color. Significant information is lost if copied in black and white.

FIGURE 3
TCE Contamination (µg/L) in the Shallow Zone (Most Recent Concentration Through January 2010)

Contaminants of Concern in Eastern San Fernando Valley

CH2MHILL

\\ZINFANDEL\PROJ\USENVIRONMENTALPROTE\COMMONFILES\GIS\EPASFV\MAPFILES\2010\2009REPORT\OCT2010_VERSION\TCE_2009RPT_SHALLOW.MXD CARCHER 10/13/2010 23:04:18



NOTES:

1. The areas of contamination shown on this map represent generalized two-dimensional approximations based on water quality analysis from RI monitoring wells, facility wells, and production wells where the top of screened interval is within 50 feet of the water table.
2. Due to the possible vertical zonation of contamination, a well within an identified area of contamination may produce water with contamination different than that indicated on this map.
3. Areas of contamination are based on the most recent record available for wells sampled between January 2006 and July 2011.
4. Areas outside the colored areas of contamination represented on this map may also be contaminated. However, the most recent data available from wells located outside the colored areas of contamination are below the detection limit.
5. The original figure is produced in color. Significant information is lost if copied in black and white.

FIGURE 3
TCE Contamination (µg/L) in the Shallow Zone (Most Recent Concentration January 2006 – July 2011)

Contaminants of Concern in Eastern San Fernando Valley

CH2MHILL

APPENDIX B

Wells 4917A and 4917B: Rehabilitation Documents

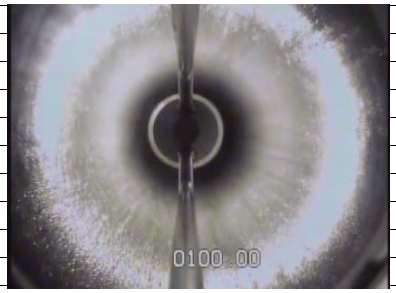
Pacific Surveys

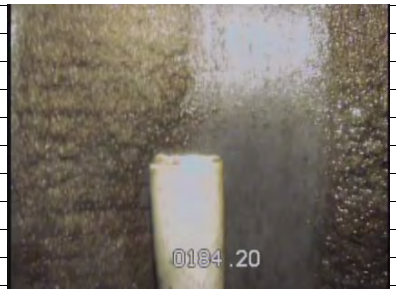
a full service geophysical well logging company

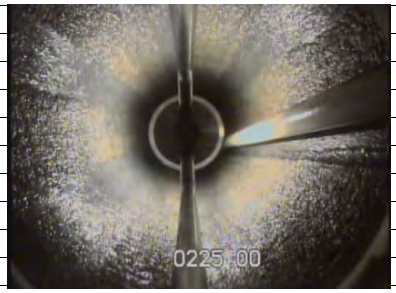
Video Survey Report

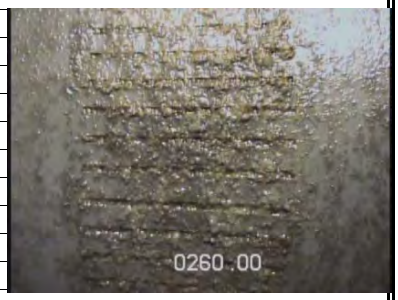
Company:	Coffey Environments	**Date:**	08-Nov-10
Well:	Well 4917A	**Run No.**	One **Truck** PS-4
Field:	Sun Valley	**Job Ticket:**	15596
State:	California	**Total Depth:**	358 ft
		Water Level:	336 ft
Location:	11590 Tuxford St.	**Oil on Water:**	None **Amount:** 0 ft
	GPS N34°13'21" W118°22'50"	**Guides at:**	7.00 in
Zero Datum:	Top of CSG **Tool Zero:** Side-Scan	**Operator:**	Nelson
Reason for Survey:	General Inspection		

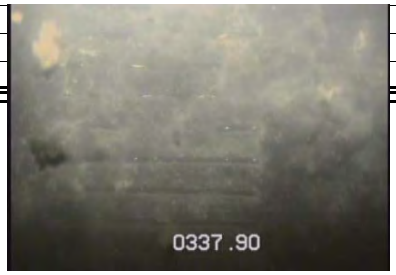
Depth	Remarks	Perforation:	
0.0 ft	Start survey at top of casing.		
25.0 ft	Casing appears normal.	PVC	160.00 ft to 358.00ft
59.7 ft	Casing change to pvc.	Slots	
100.0 ft	Casing appears in good shape.		
158.6 ft	Top of perfs; appears mostly plugged.		
176.0 ft	Perfs appear plugged.		
184.1 ft	Fish; air line.		
225.0 ft	Scale.		
260.0 ft	Perfs appear plugged.		
296.6 ft	Casing joint.		
305.0 ft	Perfs appear mostly open.	**Casing Size**	
320.0 ft	Perfs appear mostly open.	Steel	
335.8 ft	SWL; Water cloudy.	**8.00 in**	0.00 ft to 60.00ft
337.9 ft	Scale.	**PVC**	
342.6 ft	Perfs appear partly plugged.	**8.00 in**	60.00 ft to 358.00ft
355.0 ft	Perfs appear plugged.		
358.5 ft	Fill; still in perfs. End survey.		











800.919.7555
909.625.6262

4456 via st. ambrose
claremont ca 91711
www.pacificsurveys.com

fax: 909.399.3180

Pacific Surveys

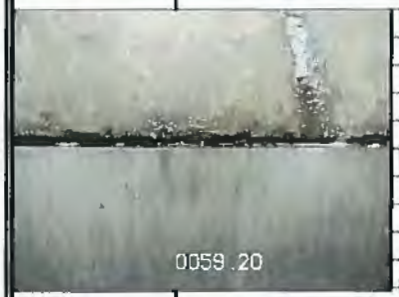
a full service geophysical well logging company

Video Survey Report

Company:	Coffey Environments	**Date:**	02-Dec-10
Well:	Well 4917A	**Run No.**	Two **Truck** PS-4
Field:	Sun Valley	**Job Ticket:**	15603
State:	California	**Total Depth:**	356 ft
		Water Level:	335 ft
Location:	11590 Tuxford St.	**Oil on Water:**	None **Amount:** 0 ft
	GPS N34°13'21" W118°22'50"	**Guides at:**	7.00 in
Zero Datum:	Top of CSG **Tool Zero:** Side-Scan	**Operator:**	Nelson
Reason for Survey:	General Inspection		

Depth	Remarks
0.0 ft	Start survey at top of casing.
59.2 ft	Casing change to pvc.
98.7 ft	Casing joint.
158.1 ft	Top of perfs; appears mostly plugged.
190.0 ft	Perfs appear plugged.
230.0 ft	Casing appears normal.
270.0 ft	Perfs appear plugged.
300.0 ft	All perfs appear in good shape.
320.0 ft	Perfs appear partly open.
335.4 ft	SWL; Water cloudy.
341.0 ft	Perfs appear mostly open.
345.3 ft	Hole in casing wall.
345.7 ft	Bottom of hole.
355.9 ft	Fill; still in perfs. End survey.

Perforation:	
PVC	160.00 ft to 358.00ft
Slots	
Casing Size	
Steel	
8.00 in	0.00 ft to 60.00ft
PVC	
8.00 in	60.00 ft to 358.00ft



800.919.7555
909.625.6262

4456 via st. ambrose
claremont ca 91711
www.pacificsurveys.com

fax: 909.399.3180

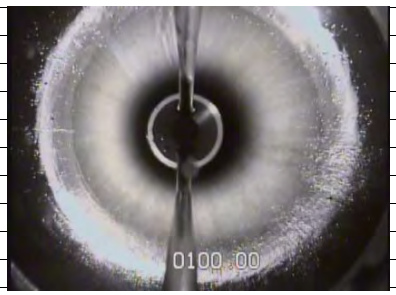
Pacific Surveys

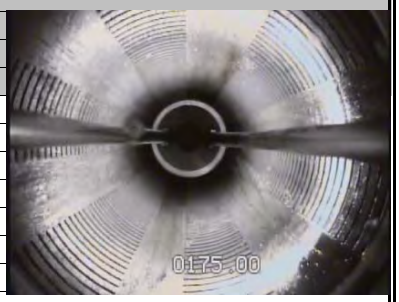
a full service geophysical well logging company

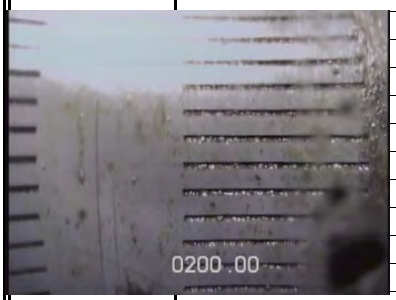
Video Survey Report

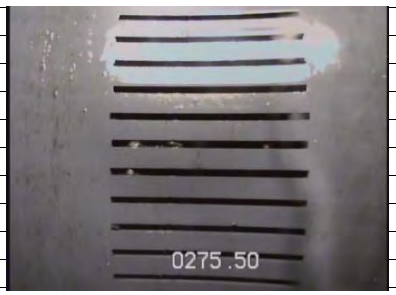
Company:	Coffey Environments	**Date:**	08-Nov-10
Well:	Well 4917B	**Run No.**	One **Truck** PS-4
Field:	Sun Valley	**Job Ticket:**	15596
State:	California	**Total Depth:**	361 ft
		Water Level:	351 ft
Location:	11590 Tuxford St.	**Oil on Water:**	None **Amount:** 0 ft
	GPS N34°13'31" W118°23'0"	**Guides at:**	7.00 in
Zero Datum:	Top of CSG **Tool Zero:** Side-Scan	**Operator:**	Nelson
Reason for Survey:	General Inspection		

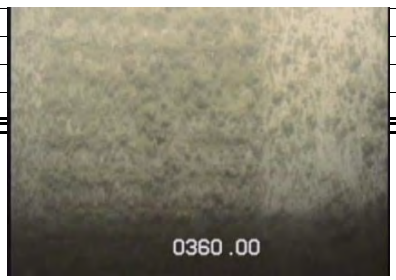
Depth	Remarks		
0.0 ft	Start survey at top of casing.	**Perforation:**	
25.0 ft	Scale.	PVC	160.00 ft to 375.00ft
59.9 ft	Casing change to pvc.	Slots	
100.0 ft	Casing appears normal.		
158.7 ft	Top of perfs; appears mostly open.		
175.0 ft	Casing appears in good shape.		
200.0 ft	Perfs appear partly plugged.		
237.5 ft	Casing joint.		
275.5 ft	Perfs appear open.		
310.0 ft	All perfs appear in good shape.		
335.3 ft	Light scale.	**Casing Size**	
350.9 ft	SWL; Water cloudy.	Steel	
360.0 ft	Perfs appear plugged.	**8.00 in**	0.00 ft to 60.00ft
361.1 ft	Fill; still in perfs; End survey.	**PVC**	
		8.00 in	60.00 ft to 375.00ft

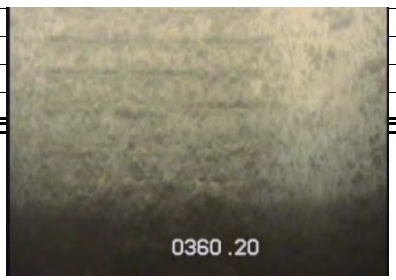












800.919.7555
909.625.6262

4456 via st. ambrose
claremont ca 91711
www.pacificsurveys.com

fax: 909.399.3180

Pacific Surveys

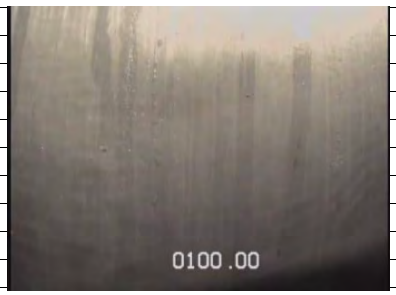
a full service geophysical well logging company

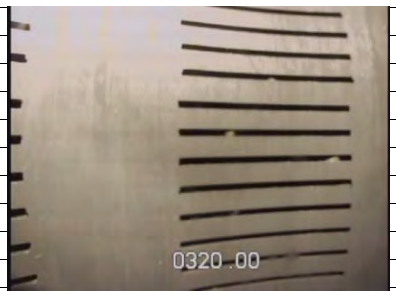
Video Survey Report

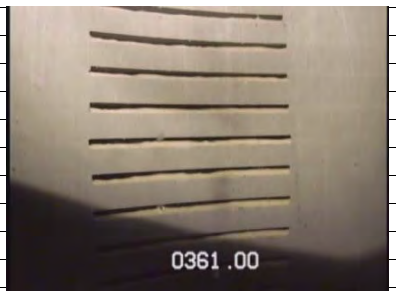
Company:	Coffey Environments	**Date:**	08-Dec-10
Well:	Well 4917B	**Run No.**	Two **Truck** PS-4
Field:	Sun Valley	**Job Ticket:**	15641
State:	California	**Total Depth:**	372 ft
		Water Level:	350 ft
Location:	11590 Tuxford St.	**Oil on Water:**	None **Amount:** 0 ft
	GPS N34°13'31" W118°23'0"	**Guides at:**	7.00 in
Zero Datum:	Top of CSG **Tool Zero:** Side-Scan	**Operator:**	Nelson
Reason for Survey:	General Inspection		

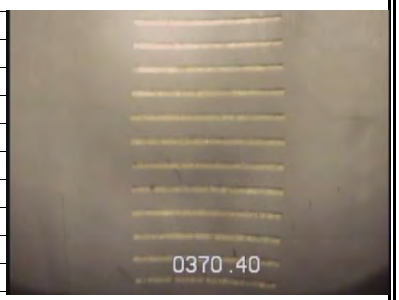
Depth	Remarks
0.0 ft	Start survey at top of casing.
37.9 ft	Casing joint.
59.4 ft	Casing change to pvc.
100.0 ft	Casing appears in good shape.
158.2 ft	Top of perfs; appears partly open.
175.0 ft	Perfs appear mostly open
205.0 ft	Perfs appear open.
256.6 ft	Casing joint.
320.0 ft	Perfs appear open.
350.4 ft	SWL; Water clear.
361.0 ft	Perfs appear open and in good shape.
370.4 ft	Perfs appear plugged.
372.4 ft	Fill; still in perfs; End survey.

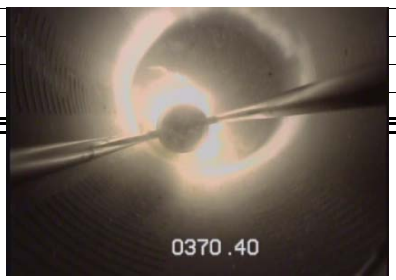
Perforation:	
PVC	160.00 ft to 375.00ft
Slots	
Casing Size	
Steel	
8.00 in	0.00 ft to 60.00ft
PVC	
8.00 in	60.00 ft to 375.00ft











800.919.7555
909.625.6262

4456 via st. ambrose
claremont ca 91711
www.pacificsurveys.com

fax: 909.399.3180

WELL SURVEY

REPORT

FOR

11590 TUXFORD STREET
SUN VALLEY, CA

PREPARED FOR

COFFEY ENVIRONMENTS

3777 Long Beach Blvd., Annex Building
Long Beach , California 92614

PREPARED BY

DMc Engineering

Civil ▪ Surveying ▪ Planning ▪ Construction
18 Technology Drive, Suite 100
Irvine, CA 92618

JN: 1155-6

January 4, 2011

DMc Engineering
Civil ▪ Surveying ▪ Planning ▪ Construction

TABLE A

11590 TUXFORD STREET, SUN VALLEY, CALIFORNIA
HORIZONTAL AND VERTICAL DATA TABLE

Horizontal Datum:	State Plane, NAD83
Horizontal Zone:	California 5
Horizontal Units:	U.S. Survey Feet
Vertical Datum:	CITY OF LOS ANGELES BM# 28110
	Elev. = 845.736 FT (NGVD 29) ADJ. 1970
Vertical Units:	U.S. Survey Feet

POINT NUMBER	NORTHING	EASTING	TC ELEV.	LID ELEV.	WELL
1	1903596.9570	6446579.7360	832.01		4917-A TC
2	1903596.6110	6446579.7850		832.55	4917-A LID
4	1904577.2940	6445782.0680	848.56		4917-B TC
3	1904576.9810	6445782.1290		849.31	4917-B LID

NOTE:
TC = Top of Casing
LID = Top of Lid

J:\JOBS\1155-6\report 12-4-2011\1155-6_TABLE A.doc

DMc Engineering
Civil ▪ Surveying ▪ Planning ▪ Construction

TABLE B

11590 TUXFORD STREET, SUN VALLEY, CALIFORNIA
HORIZONTAL AND VERTICAL DATA TABLE

Horizontal Datum:	State Plane, NAD83
Horizontal Zone:	California 5
Horizontal Units:	U.S. Survey Feet
Vertical Datum:	CITY OF LOS ANGELES BM# 28110
	Elev. = 845.736 FT (NGVD 29) ADJ. 1970
Vertical Units:	U.S. Survey Feet

DECIMAL DEGREES FORMAT

POINT NUMBER	LATITUDE	LONGITUDE	TC ELEV.	FS ELEV.	WELL
1	34.222568472	118.380710919	832.01		4917-A TC
2	34.222567522	118.380710753		832.55	4917-A LID
4	34.225253962	118.383361971	848.56		4917-B TC
3	34.225253102	118.383361765		849.31	4917-B LID

NOTE:
TC = Top of Casing
LID = Top of Lid

DMcEngineering
Civil ▪ Surveying ▪ Planning ▪ Construction

TABLE C

11590 TUXFORD STREET, SUN VALLEY, CALIFORNIA
HORIZONTAL AND VERTICAL DATA TABLE

Horizontal Datum: State Plane, NAD83
Horizontal Zone: California 5
Horizontal Units: U.S. Survey Feet
Vertical Datum: CITY OF LOS ANGELES BM# 28110
Elev. = 845.736 FT (NGVD 29) ADJ. 1970
Vertical Units: U.S. Survey Feet

POINT NUMBER	LATITUDE			LONGITUDE			TC ELEV.	LID ELEV.	WELL
1	34	13	21.24650	118	22	50.55931	832.01		4917-A TC
2	34	13	21.24308	118	22	50.55871		832.55	4917-A LID
4	34	13	30.91426	118	23	00.10310	848.56		4917-B TC
3	34	13	30.91117	118	23	00.10235		849.31	4917-B LID

NOTE:
TC = Top of Casing
LID = Top of Lid

DMc Engineering
Civil ▪ Surveying ▪ Planning ▪ Construction

TABLE OF CONTENTS

Table A	Well Locations in California State Plane Coordinates
Table B	Well Locations in Latitude and Longitude in Decimal Degrees Format
Table C	Well locations in Latitude and Longitude in Degrees, Minutes, and Seconds Format
Table 1	Geo XY Format in Latitude and Longitude in Decimal Degrees Format
Table 2	Geo Z Format Elevation of Top Of Casing in (NGVD 29)
Exhibit A	Survey map

DMc Engineering

Civil ▪ Surveying ▪ Planning ▪ Construction

TABLE 1- Latitude and Longitude in Decimal Degrees Format

GLOBAL_ID	FIELD_PT_NAME	FIELD_PT_CLASS	XY_SURVEY_DATE	LATITUDE	LONGTITUDE	XY_METHOD	XY_DATUM	XY_ACC_VAL	XY_SURVEY_(	GPS_EQUIP_TYPE	XY_SURVEY_DESC
	4917-A		12/15/2010	34.222568472	118.380710919	CGPS	NAD83	40	DMc	Lieca Smart Rover	
	4917-B		12/15/2010	34.225253962	118.383361971	CGPS	NAD83	40	DMc	Lieca Smart Rover	

DMc Engineering

Civil ▪ Surveying ▪ Planning ▪ Construction

TABLE 2- TOP OF CASING ELEVATIONS

GLOBAL_ID	FIELD_PT_NAME	ELEV_SURVEY_DATE	ELEVATION	ELEV_METHOD	ELEV_DATUM	ELEV_ACC_VAL	ELEV_SURVEY_ORG	RISER_HT	ELEV_DESC
	4917-A	12/15/2010	832.01	DIG	NGVD 29	0.1	DMc Eng.		CITY OF LA BM#28110
	4917-B	12/15/2010	848.56	DIG	NGVD 29	0.1	DMc Eng.		CITY OF LA BM#28110

APPENDIX C

Wells 4917A and 4917B: 2010, 2011 and 2012 Groundwater Monitoring Data

Calscience
Environmental
Laboratories, Inc.

January 05, 2011

Steve Ridenour
Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Subject: **Calscience Work Order No.: 10-12-1558**
Client Reference: CA Car Hikers / 411-0054

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/17/2010 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Vikas Patel

Calscience Environmental
Laboratories, Inc.
Vikas Patel
Project Manager

Calscience Environmental Laboratories, Inc.

Client: Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335
Attn: Steve Ridenour

Work Order: 10-12-1558
Project name: CA Car Hikers / 411-0054
Received: 12/17/10 14:25

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
4917A						
Antimony	**0.00260**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Arsenic	**0.00370**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Barium	**0.140**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Chromium	**0.00137**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Cobalt	**0.000292**	J	0.000140*	mg/L	EPA 6020	EPA 3005A Filt.
Copper	**0.000679**	J	0.000105*	mg/L	EPA 6020	EPA 3005A Filt.
Molybdenum	**0.00368**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Nickel	**0.00314**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Vanadium	**0.00186**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Zinc	**0.0515**		0.00500	mg/L	EPA 6020	EPA 3005A Filt.
Mercury	**0.0000478**	J	0.0000348*	mg/L	EPA 7470A	EPA 7470A Filt.
N-Nitrosodimethylamine	**6.3**		2.0	ng/L	EPA 1625CM	EPA 3520C
c-1,2-Dichloroethene	**3.1**		1.0	ug/L	EPA 8260B	EPA 5030C
Toluene	**0.48**	J	0.33*	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	**1.8**		1.0	ug/L	EPA 8260B	EPA 5030C
4917B						
Antimony	**0.000492**	J	0.000380*	mg/L	EPA 6020	EPA 3005A Filt.
Arsenic	**0.000876**	J	0.000589*	mg/L	EPA 6020	EPA 3005A Filt.
Barium	**0.203**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Cobalt	**0.00106**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Copper	**0.00105**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Lead	**0.000224**	J	0.000170*	mg/L	EPA 6020	EPA 3005A Filt.
Molybdenum	**0.00255**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Nickel	**0.00638**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Vanadium	**0.00191**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Zinc	**0.0268**		0.00500	mg/L	EPA 6020	EPA 3005A Filt.
Chromium, Hexavalent	**0.048**	J	0.041*	ug/L	EPA 7199	N/A
Perchlorate	**1.6**	J	0.36*	ug/L	EPA 314.0	N/A
Bromodichloromethane	**0.90**	J	0.66*	ug/L	EPA 8260B	EPA 5030C
Chloroform	**3.6**		2.0	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethane	**22**		2.0	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethene	**280**		2.0	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	**1.6**	J	1.0*	ug/L	EPA 8260B	EPA 5030C
1,1,1-Trichloroethane	**85**		2.0	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	**1.6**	J	0.61*	ug/L	EPA 8260B	EPA 5030C

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client: Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335
Attn: Steve Ridenour

Work Order: 10-12-1558
Project name: CA Car Hikers / 411-0054
Received: 12/17/10 14:25

DETECTIONS SUMMARY

Client Sample ID / Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
4917A Dup						
Antimony	**0.00276**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Arsenic	**0.00326**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Barium	**0.141**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Chromium	**0.00138**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Cobalt	**0.000311**	J	0.000140*	mg/L	EPA 6020	EPA 3005A Filt.
Copper	**0.000664**	J	0.000105*	mg/L	EPA 6020	EPA 3005A Filt.
Molybdenum	**0.00378**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Nickel	**0.00308**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Vanadium	**0.00235**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Zinc	**0.0501**		0.00500	mg/L	EPA 6020	EPA 3005A Filt.
N-Nitrosodimethylamine	**5.7**		2.0	ng/L	EPA 1625CM	EPA 3520C
c-1,2-Dichloroethene	**3.3**		1.0	ug/L	EPA 8260B	EPA 5030C
Toluene	**0.43**	J	0.33*	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	**1.9**		1.0	ug/L	EPA 8260B	EPA 5030C
Eq. Blank						
Zinc	**0.00493**	J	0.00180*	mg/L	EPA 6020	EPA 3005A Filt.
Chromium, Hexavalent	**0.067**	J	0.041*	ug/L	EPA 7199	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.		Date Received:	12/17/10
3777 Long Beach Blvd, Annex Building		Work Order No:	10-12-1558
Long Beach, CA 90807-3335		Preparation:	EPA 3005A Filt.
		Method:	EPA 6020
		Units:	mg/L
Project: CA Car Hikers / 411-0054			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917A	**10-12-1558-1-H**	**12/17/10 09:27**	**Aqueous**	**ICP/MS 04**	**12/17/10**	**12/20/10 15:36**	**101217L01F**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	0.00260	0.00100	0.000380	1		Lead	ND	0.00100	0.000170	1	
Arsenic	0.00370	0.00100	0.000589	1		Molybdenum	0.00368	0.00100	0.000290	1	
Barium	0.140	0.00100	0.000105	1		Nickel	0.00314	0.00100	0.000155	1	
Beryllium	ND	0.00100	0.000131	1		Selenium	ND	0.00100	0.000554	1	
Cadmium	ND	0.00100	0.000266	1		Silver	ND	0.00100	0.000120	1	
Chromium	0.00137	0.00100	0.000618	1		Thallium	ND	0.00100	0.000498	1	
Cobalt	0.000292	0.00100	0.000140	1	J	Vanadium	0.00186	0.00100	0.000790	1	
Copper	0.000679	0.00100	0.000105	1	J	Zinc	0.0515	0.00500	0.00180	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917B	**10-12-1558-2-H**	**12/17/10 12:00**	**Aqueous**	**ICP/MS 04**	**12/17/10**	**12/20/10 15:41**	**101217L01F**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	0.000492	0.00100	0.000380	1	J	Lead	0.000224	0.00100	0.000170	1	J
Arsenic	0.000876	0.00100	0.000589	1	J	Molybdenum	0.00255	0.00100	0.000290	1	
Barium	0.203	0.00100	0.000105	1		Nickel	0.00638	0.00100	0.000155	1	
Beryllium	ND	0.00100	0.000131	1		Selenium	ND	0.00100	0.000554	1	
Cadmium	ND	0.00100	0.000266	1		Silver	ND	0.00100	0.000120	1	
Chromium	ND	0.00100	0.000618	1		Thallium	ND	0.00100	0.000498	1	
Cobalt	0.00106	0.00100	0.000140	1		Vanadium	0.00191	0.00100	0.000790	1	
Copper	0.00105	0.00100	0.000105	1		Zinc	0.0268	0.00500	0.00180	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917A Dup	**10-12-1558-3-H**	**12/17/10 09:30**	**Aqueous**	**ICP/MS 04**	**12/17/10**	**12/20/10 15:45**	**101217L01F**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	0.00276	0.00100	0.000380	1		Lead	ND	0.00100	0.000170	1	
Arsenic	0.00326	0.00100	0.000589	1		Molybdenum	0.00378	0.00100	0.000290	1	
Barium	0.141	0.00100	0.000105	1		Nickel	0.00308	0.00100	0.000155	1	
Beryllium	ND	0.00100	0.000131	1		Selenium	ND	0.00100	0.000554	1	
Cadmium	ND	0.00100	0.000266	1		Silver	ND	0.00100	0.000120	1	
Chromium	0.00138	0.00100	0.000618	1		Thallium	ND	0.00100	0.000498	1	
Cobalt	0.000311	0.00100	0.000140	1	J	Vanadium	0.00235	0.00100	0.000790	1	
Copper	0.000664	0.00100	0.000105	1	J	Zinc	0.0501	0.00500	0.00180	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.		Date Received:	12/17/10
3777 Long Beach Blvd, Annex Building		Work Order No:	10-12-1558
Long Beach, CA 90807-3335		Preparation:	EPA 3005A Filt.
		Method:	EPA 6020
		Units:	mg/L
Project: CA Car Hikers / 411-0054			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Eq. Blank	**10-12-1558-4-H**	**12/17/10 12:45**	**Aqueous**	**ICP/MS 04**	**12/17/10**	**12/20/10 15:49**	**101217L01F**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.00100	0.000380	1		Lead	ND	0.00100	0.000170	1	
Arsenic	ND	0.00100	0.000589	1		Molybdenum	ND	0.00100	0.000290	1	
Barium	ND	0.00100	0.000105	1		Nickel	ND	0.00100	0.000155	1	
Beryllium	ND	0.00100	0.000131	1		Selenium	ND	0.00100	0.000554	1	
Cadmium	ND	0.00100	0.000266	1		Silver	ND	0.00100	0.000120	1	
Chromium	ND	0.00100	0.000618	1		Thallium	ND	0.00100	0.000498	1	
Cobalt	ND	0.00100	0.000140	1		Vanadium	ND	0.00100	0.000790	1	
Copper	ND	0.00100	0.000105	1		Zinc	0.00493	0.00500	0.00180	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**096-06-003-3,113**	**N/A**	**Aqueous**	**ICP/MS 04**	**12/17/10**	**12/17/10 17:18**	**101217L01F**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.00100	0.000380	1		Lead	ND	0.00100	0.000170	1	
Arsenic	ND	0.00100	0.000589	1		Molybdenum	ND	0.00100	0.000290	1	
Barium	ND	0.00100	0.000105	1		Nickel	ND	0.00100	0.000155	1	
Beryllium	ND	0.00100	0.000131	1		Selenium	ND	0.00100	0.000554	1	
Cadmium	ND	0.00100	0.000266	1		Silver	ND	0.00100	0.000120	1	
Chromium	ND	0.00100	0.000618	1		Thallium	ND	0.00100	0.000498	1	
Cobalt	ND	0.00100	0.000140	1		Vanadium	ND	0.00100	0.000790	1	
Copper	ND	0.00100	0.000105	1		Zinc	ND	0.00500	0.00180	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.		Date Received:	12/17/10
3777 Long Beach Blvd, Annex Building		Work Order No:	10-12-1558
Long Beach, CA 90807-3335		Preparation:	EPA 7470A Filt.
		Method:	EPA 7470A

Project: CA Car Hikers / 411-0054

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917A	**10-12-1558-1-h**	**12/17/10 09:27**	**Aqueous**	**Mercury**	**12/18/10**	**12/18/10 14:14**	**101218L03A**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Mercury	0.0000478	0.000500	0.0000348	1	J	mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917B	**10-12-1558-2-h**	**12/17/10 12:00**	**Aqueous**	**Mercury**	**12/18/10**	**12/18/10 14:16**	**101218L03A**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Mercury	ND	0.000500	0.0000348	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917A Dup	**10-12-1558-3-h**	**12/17/10 09:30**	**Aqueous**	**Mercury**	**12/18/10**	**12/18/10 14:18**	**101218L03A**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Mercury	ND	0.000500	0.0000348	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Eq. Blank	**10-12-1558-4-h**	**12/17/10 12:45**	**Aqueous**	**Mercury**	**12/18/10**	**12/18/10 14:20**	**101218L03A**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Mercury	ND	0.000500	0.0000348	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-04-008-5,138**	**N/A**	**Aqueous**	**Mercury**	**02/18/10**	**12/18/10 13:38**	**101218L03A**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Mercury	ND	0.000500	0.0000348	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.		Date Received:	12/17/10
3777 Long Beach Blvd, Annex Building		Work Order No:	10-12-1558
Long Beach, CA 90807-3335		Preparation:	EPA 3520C
		Method:	EPA 8270C(M) Isotope Dilution
Project: CA Car Hikers / 411-0054			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917A	**10-12-1558-1-J**	**12/17/10 09:27**	**Aqueous**	**GC/MS GG**	**12/20/10**	**12/23/10 23:11**	**101220L08**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	2.0	0.40	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	102	56-123	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917B	**10-12-1558-2-J**	**12/17/10 12:00**	**Aqueous**	**GC/MS GG**	**12/20/10**	**12/23/10 23:35**	**101220L08**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	2.0	0.40	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	103	56-123	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917A Dup	**10-12-1558-3-J**	**12/17/10 09:30**	**Aqueous**	**GC/MS GG**	**12/20/10**	**12/23/10 23:58**	**101220L08**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	2.0	0.40	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	110	56-123	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Eq. Blank	**10-12-1558-4-J**	**12/17/10 12:45**	**Aqueous**	**GC/MS GG**	**12/20/10**	**12/24/10 00:23**	**101220L08**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	2.0	0.40	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	80	56-123	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.		Date Received:	12/17/10
3777 Long Beach Blvd, Annex Building		Work Order No:	10-12-1558
Long Beach, CA 90807-3335		Preparation:	EPA 3520C
		Method:	EPA 8270C(M) Isotope Dilution

Project: CA Car Hikers / 411-0054

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-09-004-1,620**	**N/A**	**Aqueous**	**GC/MS GG**	**12/20/10**	**12/22/10 19:59**	**101220L08**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	2.0	0.40	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	90	56-123	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.		Date Received:	12/17/10
3777 Long Beach Blvd, Annex Building		Work Order No:	10-12-1558
Long Beach, CA 90807-3335		Preparation:	EPA 3520C
		Method:	EPA 1625CM

Project: CA Car Hikers / 411-0054

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917A	**10-12-1558-1-K**	**12/17/10 09:27**	**Aqueous**	**GC/MS DDD**	**12/17/10**	**12/29/10 20:47**	**101217L19**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
N-Nitrosodimethylamine	6.3	2.0	0.48	1		ng/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Dichlorobenzene-d4	75	50-130	

4917B	**10-12-1558-2-K**	**12/17/10 12:00**	**Aqueous**	**GC/MS DDD**	**12/17/10**	**12/29/10 21:09**	**101217L19**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
N-Nitrosodimethylamine	ND	2.0	0.48	1		ng/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Dichlorobenzene-d4	211	50-130	2

4917A Dup	**10-12-1558-3-K**	**12/17/10 09:30**	**Aqueous**	**GC/MS DDD**	**12/17/10**	**12/29/10 21:31**	**101217L19**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
N-Nitrosodimethylamine	5.7	2.0	0.48	1		ng/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Dichlorobenzene-d4	76	50-130	

Eq. Blank	**10-12-1558-4-K**	**12/17/10 12:45**	**Aqueous**	**GC/MS DDD**	**12/17/10**	**12/30/10 12:48**	**101217L19**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
N-Nitrosodimethylamine	ND	2.0	0.48	1		ng/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Dichlorobenzene-d4	82	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.		Date Received:	12/17/10
3777 Long Beach Blvd, Annex Building		Work Order No:	10-12-1558
Long Beach, CA 90807-3335		Preparation:	EPA 3520C
		Method:	EPA 1625CM

Project: CA Car Hikers / 411-0054

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-07-027-601**	**N/A**	**Aqueous**	**GC/MS DDD**	**12/17/10**	**12/22/10 11:54**	**101217L19**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
N-Nitrosodimethylamine	ND	2.0	0.48	1		ng/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Dichlorobenzene-d4	59	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.		Date Received:	12/17/10
3777 Long Beach Blvd, Annex Building		Work Order No:	10-12-1558
Long Beach, CA 90807-3335		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: CA Car Hikers / 411-0054			Page 1 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917A	**10-12-1558-1-B**	**12/17/10 09:27**	**Aqueous**	**GC/MS S**	**12/21/10**	**12/21/10 23:13**	**101221L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	0.48	1.0	0.33	1	J
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	1.8	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	3.1	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	80-126		1,2-Dichloroethane-d4	99	80-134	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	96	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.		Date Received:	12/17/10
3777 Long Beach Blvd, Annex Building		Work Order No:	10-12-1558
Long Beach, CA 90807-3335		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: CA Car Hikers / 411-0054			Page 2 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917B	**10-12-1558-2-C**	**12/17/10 12:00**	**Aqueous**	**GC/MS S**	**12/22/10**	**12/22/10 17:45**	**101222L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	100	40	2		1,3-Dichloropropane	ND	2.0	0.76	2	
Benzene	ND	1.0	0.57	2		2,2-Dichloropropane	ND	2.0	0.92	2	
Bromobenzene	ND	2.0	0.67	2		1,1-Dichloropropene	ND	2.0	0.51	2	
Bromochloromethane	ND	2.0	1.4	2		c-1,3-Dichloropropene	ND	1.0	0.57	2	
Bromodichloromethane	0.90	2.0	0.66	2	J	t-1,3-Dichloropropene	ND	1.0	0.72	2	
Bromoform	ND	2.0	1.1	2		Ethylbenzene	ND	2.0	0.44	2	
Bromomethane	ND	20	8.6	2		2-Hexanone	ND	20	14	2	
2-Butanone	ND	20	14	2		Isopropylbenzene	ND	2.0	0.45	2	
n-Butylbenzene	ND	2.0	0.55	2		p-Isopropyltoluene	ND	2.0	0.52	2	
sec-Butylbenzene	ND	2.0	0.41	2		Methylene Chloride	ND	20	5.2	2	
tert-Butylbenzene	ND	2.0	0.55	2		4-Methyl-2-Pentanone	ND	20	8.8	2	
Carbon Disulfide	ND	20	3.8	2		Naphthalene	ND	20	5.1	2	
Carbon Tetrachloride	ND	1.0	0.85	2		n-Propylbenzene	ND	2.0	1.6	2	
Chlorobenzene	ND	2.0	0.44	2		Styrene	ND	2.0	0.60	2	
Chloroethane	ND	10	2.6	2		1,1,1,2-Tetrachloroethane	ND	2.0	0.70	2	
Chloroform	3.6	2.0	0.66	2		1,1,2,2-Tetrachloroethane	ND	2.0	0.88	2	
Chloromethane	ND	20	0.97	2		Tetrachloroethene	1.6	2.0	1.0	2	J
2-Chlorotoluene	ND	2.0	1.1	2		Toluene	ND	2.0	0.65	2	
4-Chlorotoluene	ND	2.0	0.42	2		1,2,3-Trichlorobenzene	ND	2.0	0.61	2	
Dibromochloromethane	ND	2.0	0.97	2		1,2,4-Trichlorobenzene	ND	2.0	0.97	2	
1,2-Dibromo-3-Chloropropane	ND	10	6.2	2		1,1,1-Trichloroethane	85	2.0	0.90	2	
1,2-Dibromoethane	ND	2.0	0.93	2		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	20	1.3	2	
Dibromomethane	ND	2.0	1.2	2		1,1,2-Trichloroethane	ND	2.0	1.1	2	
1,2-Dichlorobenzene	ND	2.0	0.54	2		Trichloroethene	1.6	2.0	0.61	2	J
1,3-Dichlorobenzene	ND	2.0	0.57	2		Trichlorofluoromethane	ND	20	0.62	2	
1,4-Dichlorobenzene	ND	2.0	0.42	2		1,2,3-Trichloropropane	ND	10	2.7	2	
Dichlorodifluoromethane	ND	2.0	0.98	2		1,2,4-Trimethylbenzene	ND	2.0	0.49	2	
1,1-Dichloroethane	22	2.0	0.75	2		1,3,5-Trimethylbenzene	ND	2.0	0.46	2	
1,2-Dichloroethane	ND	1.0	0.63	2		Vinyl Acetate	ND	20	14	2	
1,1-Dichloroethene	280	2.0	0.80	2		Vinyl Chloride	ND	1.0	0.65	2	
c-1,2-Dichloroethene	ND	2.0	0.97	2		p/m-Xylene	ND	2.0	0.91	2	
t-1,2-Dichloroethene	ND	2.0	0.81	2		o-Xylene	ND	2.0	0.47	2	
1,2-Dichloropropane	ND	2.0	0.76	2		Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.61	2	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	98	80-126		1,2-Dichloroethane-d4	97	80-134	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.		Date Received:	12/17/10
3777 Long Beach Blvd, Annex Building		Work Order No:	10-12-1558
Long Beach, CA 90807-3335		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: CA Car Hikers / 411-0054			Page 3 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917A Dup	**10-12-1558-3-B**	**12/17/10 09:30**	**Aqueous**	**GC/MS S**	**12/22/10**	**12/22/10 18:15**	**101222L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	0.43	1.0	0.33	1	J
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	1.9	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	3.3	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	80-126		1,2-Dichloroethane-d4	96	80-134	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	97	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.		Date Received:	12/17/10
3777 Long Beach Blvd, Annex Building		Work Order No:	10-12-1558
Long Beach, CA 90807-3335		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: CA Car Hikers / 411-0054			Page 4 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Eq. Blank	**10-12-1558-4-B**	**12/17/10 12:45**	**Aqueous**	**GC/MS S**	**12/21/10**	**12/21/10 19:51**	**101221L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	80-126		1,2-Dichloroethane-d4	99	80-134	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	94	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.		Date Received:	12/17/10
3777 Long Beach Blvd, Annex Building		Work Order No:	10-12-1558
Long Beach, CA 90807-3335		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: CA Car Hikers / 411-0054			Page 5 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Trip Blank	**10-12-1558-5-A**	**12/17/10 00:00**	**Aqueous**	**GC/MS S**	**12/21/10**	**12/21/10 20:20**	**101221L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	80-126		1,2-Dichloroethane-d4	96	80-134	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	95	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.		Date Received:	12/17/10
3777 Long Beach Blvd, Annex Building		Work Order No:	10-12-1558
Long Beach, CA 90807-3335		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: CA Car Hikers / 411-0054			Page 6 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-3,104**	**N/A**	**Aqueous**	**GC/MS S**	**12/21/10**	**12/21/10 19:22**	**101221L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	80-126		1,2-Dichloroethane-d4	100	80-134	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	101	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.		Date Received:	12/17/10
3777 Long Beach Blvd, Annex Building		Work Order No:	10-12-1558
Long Beach, CA 90807-3335		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: CA Car Hikers / 411-0054			Page 7 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-3,115**	**N/A**	**Aqueous**	**GC/MS S**	**12/22/10**	**12/22/10 13:52**	**101222L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	97	80-126		1,2-Dichloroethane-d4	95	80-134	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	97	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.		Date Received:	12/17/10
3777 Long Beach Blvd, Annex Building		Work Order No:	10-12-1558
Long Beach, CA 90807-3335		Preparation:	EPA 5030C
		Method:	SRL 524M-TCP

Project: CA Car Hikers / 411-0054

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917A	**10-12-1558-1-D**	**12/17/10 09:27**	**Aqueous**	**GC/MS T**	**12/23/10**	**12/23/10 15:00**	**101223L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,2,3-Trichloropropane	ND	0.0050	0.0030	1		ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917B	**10-12-1558-2-D**	**12/17/10 12:00**	**Aqueous**	**GC/MS T**	**12/20/10**	**12/21/10 04:34**	**101220L03**

Comment(s): -The reporting limit is elevated resulting from matrix interference.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,2,3-Trichloropropane	ND	0.025	0.015	5		ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917A Dup	**10-12-1558-3-E**	**12/17/10 09:30**	**Aqueous**	**GC/MS T**	**12/21/10**	**12/21/10 16:13**	**101221L01**

Comment(s): -The reporting limit is elevated resulting from matrix interference.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,2,3-Trichloropropane	ND	0.025	0.015	5		ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Eq. Blank	**10-12-1558-4-D**	**12/17/10 12:45**	**Aqueous**	**GC/MS T**	**12/20/10**	**12/21/10 05:32**	**101220L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,2,3-Trichloropropane	ND	0.0050	0.0030	1		ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-10-022-683**	**N/A**	**Aqueous**	**GC/MS T**	**12/20/10**	**12/20/10 23:19**	**101220L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,2,3-Trichloropropane	ND	0.0050	0.0030	1		ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-10-022-684**	**N/A**	**Aqueous**	**GC/MS T**	**12/21/10**	**12/21/10 11:24**	**101221L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,2,3-Trichloropropane	ND	0.0050	0.0030	1		ug/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.		Date Received:	12/17/10
3777 Long Beach Blvd, Annex Building		Work Order No:	10-12-1558
Long Beach, CA 90807-3335		Preparation:	EPA 5030C
		Method:	SRL 524M-TCP

Project: CA Car Hikers / 411-0054

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-10-022-685**	**N/A**	**Aqueous**	**GC/MS T**	**12/23/10**	**12/23/10 11:29**	**101223L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,2,3-Trichloropropane	ND	0.0050	0.0030	1		ug/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: 12/17/10
Work Order No: 10-12-1558

Project: CA Car Hikers / 411-0054

Client Sample Number	Lab Sample Number	Date Collected	Matrix
4917A	**10-12-1558-1**	**12/17/10**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Perchlorate (24)	ND	2.0	0.36	1		ug/L	N/A	12/17/10	EPA 314.0
Chromium, Hexavalent (24)	ND	1.0	0.041	1		ug/L	N/A	12/17/10	EPA 7199

Client Sample Number	Lab Sample Number	Date Collected	Matrix
4917B	**10-12-1558-2**	**12/17/10**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Perchlorate (24)	1.6	2.0	0.36	1	J	ug/L	N/A	12/17/10	EPA 314.0
Chromium, Hexavalent (24)	0.048	1.0	0.041	1	J	ug/L	N/A	12/17/10	EPA 7199

Client Sample Number	Lab Sample Number	Date Collected	Matrix
4917A Dup	**10-12-1558-3**	**12/17/10**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Perchlorate (24)	ND	2.0	0.36	1		ug/L	N/A	12/17/10	EPA 314.0
Chromium, Hexavalent (24)	ND	1.0	0.041	1		ug/L	N/A	12/17/10	EPA 7199

Client Sample Number	Lab Sample Number	Date Collected	Matrix
Eq. Blank	**10-12-1558-4**	**12/17/10**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Perchlorate (24)	ND	2.0	0.36	1		ug/L	N/A	12/17/10	EPA 314.0
Chromium, Hexavalent (24)	0.067	1.0	0.041	1	J	ug/L	N/A	12/17/10	EPA 7199

Client Sample Number	Lab Sample Number	Date Collected	Matrix
Method Blank		**N/A**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Perchlorate (24)	ND	2.0	0.36	1		ug/L	N/A	12/17/10	EPA 314.0
Chromium, Hexavalent (24)	ND	1.0	0.041	1		ug/L	N/A	12/17/10	EPA 7199

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: 12/17/10
Work Order No: 10-12-1558
Preparation: EPA 3005A Filt.
Method: EPA 6020

Project CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-12-1451-8	**Aqueous**	**ICP/MS 04**	**12/17/10**	**12/17/10**	**101217S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	94	93	85-133	2	0-11	
Arsenic	101	98	73-127	3	0-11	
Barium	103	102	74-128	0	0-10	
Beryllium	84	83	56-122	1	0-11	
Cadmium	98	98	84-114	1	0-8	
Chromium	98	92	73-133	6	0-11	
Cobalt	103	100	79-121	3	0-10	
Copper	98	95	72-108	3	0-10	
Lead	99	98	79-121	1	0-10	
Molybdenum	117	115	83-137	2	0-10	
Nickel	108	104	68-122	4	0-10	
Selenium	89	91	59-125	1	0-12	
Silver	97	96	68-128	1	0-14	
Thallium	100	97	73-121	2	0-11	
Vanadium	97	93	77-137	4	0-15	
Zinc	96	96	43-145	0	0-39	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - PDS / PDSD

Coffey Environments, Inc.		Date Received	12/17/10
3777 Long Beach Blvd, Annex Building		Work Order No:	10-12-1558
Long Beach, CA 90807-3335		Preparation:	EPA 3005A Filt.
		Method:	EPA 6020

Project: CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS / PDSD Batch Number
10-12-1451-8	**Aqueous**	**ICP/MS 04**	**12/17/10**	**12/17/10**	**101217S01**

Parameter	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	95	93	75-125	2	0-11	
Arsenic	100	99	75-125	0	0-11	
Barium	103	96	75-125	3	0-10	
Beryllium	90	92	75-125	3	0-11	
Cadmium	101	96	75-125	4	0-8	
Chromium	94	94	75-125	0	0-11	
Cobalt	98	96	75-125	2	0-10	
Copper	97	96	75-125	1	0-10	
Lead	101	100	75-125	1	0-10	
Molybdenum	114	104	75-125	8	0-10	
Nickel	103	102	75-125	1	0-10	
Selenium	93	93	75-125	0	0-12	
Silver	89	85	75-125	5	0-14	
Thallium	99	99	75-125	1	0-11	
Vanadium	91	93	75-125	2	0-15	
Zinc	94	93	75-125	2	0-39	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: 12/17/10
Work Order No: 10-12-1558
Preparation: EPA 7470A Filt.
Method: EPA 7470A

Project CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-12-1607-4	**Aqueous**	**Mercury**	**12/18/10**	**12/18/10**	**101218S03**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	102	99	57-141	2	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: 12/17/10
Work Order No: 10-12-1558
Preparation: EPA 5030C
Method: EPA 8260B

Project CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-12-1606-3	**Aqueous**	**GC/MS S**	**12/21/10**	**12/21/10**	**101221S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	93	78-120	8	0-20	
Carbon Tetrachloride	101	89	67-139	13	0-20	
Chlorobenzene	96	89	80-120	7	0-20	
1,2-Dibromoethane	100	90	80-123	10	0-20	
1,2-Dichlorobenzene	93	87	76-120	6	0-20	
1,2-Dichloroethane	103	95	76-130	8	0-20	
1,1-Dichloroethene	102	89	70-130	13	0-27	
Ethylbenzene	99	91	73-127	9	0-20	
Toluene	105	93	72-126	12	0-20	
Trichloroethene	102	94	74-122	8	0-20	
Vinyl Chloride	94	84	65-131	12	0-24	
Methyl-t-Butyl Ether (MTBE)	97	88	69-123	10	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: 12/17/10
Work Order No: 10-12-1558
Preparation: EPA 5030C
Method: EPA 8260B

Project CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-12-1606-7	**Aqueous**	**GC/MS S**	**12/22/10**	**12/22/10**	**101222S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	106	102	78-120	4	0-20	
Carbon Tetrachloride	100	92	67-139	8	0-20	
Chlorobenzene	103	102	80-120	1	0-20	
1,2-Dibromoethane	108	103	80-123	5	0-20	
1,2-Dichlorobenzene	104	100	76-120	4	0-20	
1,2-Dichloroethane	106	96	76-130	10	0-20	
1,1-Dichloroethene	102	93	70-130	10	0-27	
Ethylbenzene	107	103	73-127	3	0-20	
Toluene	107	101	72-126	6	0-20	
Trichloroethene	106	97	74-122	9	0-20	
Vinyl Chloride	94	88	65-131	6	0-24	
Methyl-t-Butyl Ether (MTBE)	96	91	69-123	6	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: 12/17/10
Work Order No: 10-12-1558
Preparation: EPA 5030C
Method: SRL 524M-TCP

Project CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-12-1607-8	**Aqueous**	**GC/MS T**	**12/20/10**	**12/21/10**	**101220S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
1,2,3-Trichloropropane	100	102	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Coffey Environments, Inc.		Date Received:	12/17/10
3777 Long Beach Blvd, Annex Building		Work Order No:	10-12-1558
Long Beach, CA 90807-3335		Preparation:	EPA 5030C
		Method:	SRL 524M-TCP

Project CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-12-1759-3	**Aqueous**	**GC/MS T**	**12/21/10**	**12/21/10**	**101221S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
1,2,3-Trichloropropane	96	94	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: 12/17/10
Work Order No: 10-12-1558
Preparation: EPA 5030C
Method: SRL 524M-TCP

Project CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-12-1821-1	**Aqueous**	**GC/MS T**	**12/23/10**	**12/23/10**	**101223S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
1,2,3-Trichloropropane	108	109	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: N/A
Work Order No: 10-12-1558

Project: CA Car Hikers / 411-0054

Matrix: Aqueous or Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	MS% REC	MSD % REC	%REC CL	RPD	RPD CL	Qualifiers
Chromium, Hexavalent	EPA 7199	10-12-1572-5	12/17/10	N/A	99	99	70-130	0	0-25	
Perchlorate	EPA 314.0	10-12-1452-4	12/17/10	N/A	100	101	80-120	0	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: N/A
Work Order No: 10-12-1558
Preparation: EPA 3005A Filt.
Method: EPA 6020

Project: CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-06-003-3,113	**Aqueous**	**ICP/MS 04**	**12/17/10**	**12/17/10**	**101217L01F**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Antimony	89	87	80-120	73-127	2	0-20	
Arsenic	96	96	80-120	73-127	0	0-20	
Barium	93	93	80-120	73-127	0	0-20	
Beryllium	87	88	80-120	73-127	1	0-20	
Cadmium	99	99	80-120	73-127	0	0-20	
Chromium	92	91	80-120	73-127	1	0-20	
Cobalt	98	97	80-120	73-127	0	0-20	
Copper	98	100	80-120	73-127	2	0-20	
Lead	89	92	80-120	73-127	3	0-20	
Molybdenum	103	104	80-120	73-127	1	0-20	
Nickel	104	107	80-120	73-127	3	0-20	
Selenium	92	97	80-120	73-127	6	0-20	
Silver	90	90	80-120	73-127	0	0-20	
Thallium	89	92	80-120	73-127	3	0-20	
Vanadium	89	88	80-120	73-127	1	0-20	
Zinc	98	99	80-120	73-127	1	0-20	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: N/A
Work Order No: 10-12-1558
Preparation: EPA 7470A Filt.
Method: EPA 7470A

Project: CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-008-5,138	**Aqueous**	**Mercury**	**02/18/10**	**12/18/10**	**101218L03A**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	100	97	85-121	3	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: N/A
Work Order No: 10-12-1558
Preparation: EPA 3520C
Method: EPA 8270C(M) Isotope Dilution

Project: CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-09-004-1,620	**Aqueous**	**GC/MS GG**	**12/20/10**	**12/22/10**	**101220L08**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
1,4-Dioxane	108	111	50-130	3	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: N/A
Work Order No: 10-12-1558
Preparation: EPA 3520C
Method: EPA 1625CM

Project: CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-027-601	**Aqueous**	**GC/MS DDD**	**12/17/10**	**12/22/10**	**101217L19**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
N-Nitrosodimethylamine	111	110	50-130	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: N/A
Work Order No: 10-12-1558
Preparation: EPA 5030C
Method: EPA 8260B

Project: CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-3,104	**Aqueous**	**GC/MS S**	**12/21/10**	**12/21/10**	**101221L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	105	101	80-120	73-127	3	0-20	
Carbon Tetrachloride	94	103	66-138	54-150	9	0-20	
Chlorobenzene	102	96	80-120	73-127	6	0-20	
1,2-Dibromoethane	102	101	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	95	94	80-120	73-127	1	0-20	
1,2-Dichloroethane	101	103	80-129	72-137	2	0-20	
1,1-Dichloroethene	98	103	71-131	61-141	6	0-20	
Ethylbenzene	104	99	80-123	73-130	4	0-20	
Toluene	104	102	79-121	72-128	2	0-20	
Trichloroethene	107	103	80-120	73-127	4	0-20	
Vinyl Chloride	91	96	70-136	59-147	5	0-20	
Methyl-t-Butyl Ether (MTBE)	92	102	72-126	63-135	10	0-22	

Total number of LCS compounds : 12
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: N/A
Work Order No: 10-12-1558
Preparation: EPA 5030C
Method: EPA 8260B

Project: CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-3,115	**Aqueous**	**GC/MS S**	**12/22/10**	**12/22/10**	**101222L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	100	98	80-120	73-127	2	0-20	
Carbon Tetrachloride	91	94	66-138	54-150	4	0-20	
Chlorobenzene	97	96	80-120	73-127	0	0-20	
1,2-Dibromoethane	101	103	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	90	95	80-120	73-127	6	0-20	
1,2-Dichloroethane	97	99	80-129	72-137	2	0-20	
1,1-Dichloroethene	93	95	71-131	61-141	2	0-20	
Ethylbenzene	95	97	80-123	73-130	1	0-20	
Toluene	101	99	79-121	72-128	2	0-20	
Trichloroethene	99	101	80-120	73-127	2	0-20	
Vinyl Chloride	85	87	70-136	59-147	2	0-20	
Methyl-t-Butyl Ether (MTBE)	91	93	72-126	63-135	3	0-22	

Total number of LCS compounds : 12
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: N/A
Work Order No: 10-12-1558
Preparation: EPA 5030C
Method: SRL 524M-TCP

Project: CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-022-683	**Aqueous**	**GC/MS T**	**12/20/10**	**12/20/10**	**101220L03**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
1,2,3-Trichloropropane	86	91	80-120	5	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: N/A
Work Order No: 10-12-1558
Preparation: EPA 5030C
Method: SRL 524M-TCP

Project: CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-022-684	**Aqueous**	**GC/MS T**	**12/21/10**	**12/21/10**	**101221L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
1,2,3-Trichloropropane	95	89	80-120	7	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: N/A
Work Order No: 10-12-1558
Preparation: EPA 5030C
Method: SRL 524M-TCP

Project: CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-022-685	**Aqueous**	**GC/MS T**	**12/23/10**	**12/23/10**	**101223L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
1,2,3-Trichloropropane	106	96	80-120	10	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: N/A
Work Order No: 10-12-1558

Project: CA Car Hikers / 411-0054

Matrix: Aqueous or Solid

Parameter	Method	Quality Control Sample ID	Date Extracted	Date Analyzed	LCS % REC	LCSD % REC	%REC CL	RPD	RPD CL	Qual
Chromium, Hexavalent	EPA 7199	099-05-123-2,784	N/A	12/17/10	101	101	80-120	2	0-20	
Perchlorate	EPA 314.0	099-05-203-1,149	N/A	12/17/10	106	102	85-115	0	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-12-1558

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Calscience Environmental Laboratories, Inc.

☒ SoCal Laboratory
7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494

☐ NorCal Service Center
5063 Commercial Circle, Suite H
Concord, CA 94520-8577
(925) 689-9022

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 1 2 - 1 5 5 8

Date: 12/17/10

Page 1 of 1

LABORATORY CLIENT: Coffey Environments

ADDRESS: 3777 Long Beach Blvd. Annex Building

CITY: Long Beach STATE: CA ZIP: 90807

TEL: 310-530-5006 E-MAIL: ulf_lindmark@coffey.com steve_ridenour@coffey.com

CLIENT PROJECT NAME / NUMBER: CA Car Hikers / 411-0054

P.O. NO.:

PROJECT CONTACT: Steve Ridenour

SAMPLER(S): (PRINT) Reid Shigeno

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD

☐ COELT EDF GLOBAL ID LOG CODE

SPECIAL INSTRUCTIONS:
Samples NOT filtered in field.
Please filter in laboratory

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH (g) or GRO	TPH (d) or DRO or (C6-C36) or (C6-C44)	TPH (___)	BTEX / MTBE (8260) or (___)	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (~~6010/7470A~~) 6020/7470A	Cr(VI) [7196 or 7199 or 218.6]	Air - VOCs (TO-14A) or (TO-15)	Air - TPH (g) [TO-3]	1,4 Dioxane	Perchlorate - 314	1,2,3 - TCP	NDMA - 1625
1	4917 A	12/17/10	927	H_2O	11								X							X	X			X	X	X	X
2	4917 B	↓	1200	↓	↓								X							X	X			X	X	X	X
3	4917 ~~B~~ A Dup	↓	930	↓	↓								X							X	X			X	X	X	X
4	Eq. Blank	↓	1245	↓	↓								X							X	X			X	X	X	X
5	Trip Blank	↓	—	↓	2								X													~~X~~	DL Do Not Run

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	[signature] CEL	12/17/10	1425
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

06/01/10 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-12-1558

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Coffey DATE: 12/17/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.0 °C + 0.5 °C (CF) = 3.5 °C ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Initial: YL

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: YL

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: [illegible]

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☑1AGBna_2 ☐1AGBs

☐500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna

☑250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:** 101214A **Labeled/Checked by:** [illegible]

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** YL

Preservative: h: HCL n: HNO_3 na_2:$Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** YL

WELL GAUGING DATA

Project # 101217SE-1 Date 12/17/10 Client Gaffney

Site 11590 Oxford, Sunnyvale

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
4917A	8					335.53	356.00	↓	
4917B	8					350.66	372.22	↓	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 101217SC-1	Client: Coffey
Sampler: JC	Gauging Date: 12/17/10
Well I.D.: 4917 A	Well Diameter (in.): 2 3 4 6 (8) ___
Total Well Depth (ft.): 356.00	Depth to Water (ft.): 335.53
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI Pro Plus

Purge Method: 2" Grundfos Pump Peristaltic Pump (Bladder) Pump
Sampling Method: Dedicated Tubing (New) Tubing Other ___

Start Purge Time: 0903 Flow Rate: 250 mL/min Pump Depth: 340'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0911	—	Removed from System		Volume	—		2000	335.54
0914	22.6	6.80	566	10	0.75	-121.8	2750	335.54
0917	22.6	6.76	566	3	0.46	-127.2	3500	335.54
0920	22.5	6.77	566	4	0.41	-122.5	4250	335.54
0923	22.4	6.73	562	3	0.37	-122.7	5000	335.54
0926	22.0	6.78	561	4	0.38	-122.1	5750	335.54

Did well dewater? Yes (No) Amount actually evacuated: 5.75 L

Sampling Time: 0927 Sampling Date: 12/17/10

Sample I.D.: 4917 A Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.: 4917 A Dup @ 0930

LOW FLOW WELL MONITORING DATA SHEET

Project #: 101217JR-1	Client: Coffey
Sampler: JR	Gauging Date: 12/17/10
Well I.D.: 4917B	Well Diameter (in.): 2 3 4 6 (8) ____
Total Well Depth (ft.): 372.22	Depth to Water (ft.): 350.66
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI Pro Plus

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Other ____

Start Purge Time: 1133 Flow Rate: 200 mL/min Pump Depth: 360'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1144	----	Removed on system volum			----		2200	350.66
1147	21.5	6.72	1369	15	0.62	43.9	2800	350.66
1150	21.4	6.72	1369	17	0.53	44.1	3400	350.66
1153	21.6	6.72	1360	17	0.45	43.5	4000	350.66
1156	21.5	6.72	1363	20	0.44	42.3	4600	350.66
1159	21.4	6.72	1363	16	0.43	42.3	5200	350.66

Did well dewater? Yes No	Amount actually evacuated: 5.2 L
Sampling Time: 1200	Sampling Date: 12/17/10
Sample I.D.: 4917B	Laboratory: Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: EQ Blank @ Time 1240	Duplicate I.D.:

WELLHEAD INSPECTION CHECKLIST

Client Coffey Date 12/17/10

Site Address 11590 Texford, Sun Valley

Job Number 101217JE-1 Technician JR

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
4917A	X	X	X							
4917B	X	X	X							

NOTES:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME	Coffey @ Sun Valley			PROJECT NUMBER	101287 JR-1		
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI Pro Plus	10F100481	12/17/10 0730	pH 7, 10, 4	6.89, 10.04, 3.96	7.00, 10.00, 4.00	15.0°C	JR
↓	↓	↓	Cond. 3900	3863	3 900	15.9°C	JR
↓	↓	↓	DO 9.69 mg/L	9.69 mg/L	9.69 mg/L	14.3°C	JR
↓	↓	↓	ORP 244.7	243.9	244.7	15.2°C	JR

Calscience
Environmental
Laboratories, Inc.

April 15, 2011

Steve Ridenour
Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Subject: **Calscience Work Order No.: 11-04-0047**
Client Reference: CA Car Hikers / 411-0054

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 4/1/2011 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Vikas Patel

Calscience Environmental
Laboratories, Inc.
Vikas Patel
Project Manager

Calscience Environmental Laboratories, Inc.

CASE NARRATIVE

Calscience Work Order No.: 11-04-0047

SRL 524M-TCP:

The method blank analyzed on GC/MS M had a “J” value result for 1,2,3-Trichloropropane. Samples 11-04-0047-1,-2,-3 and -4 were associated with this method blank. The LCS/LCSD and MS/MSD recoveries were within criteria for 1,2,3-Trichloropropane and no impact on the data is expected. The “J” value may be attributable to lab contamination. 1,2,3-Trichloropropane in the method blank has been flagged “J” within the report.

Calscience Environmental Laboratories, Inc.

Client: Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335
Attn: Steve Ridenour

Work Order: 11-04-0047
Project name: CA Car Hikers / 411-0054
Received: 04/01/11 13:40

DETECTIONS SUMMARY

Client Sample ID / Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
4917A						
Arsenic	**0.00207**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Barium	**0.126**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Chromium	**0.00101**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Cobalt	**0.000232**	J	0.000140*	mg/L	EPA 6020	EPA 3005A Filt.
Copper	**0.000408**	J	0.000105*	mg/L	EPA 6020	EPA 3005A Filt.
Molybdenum	**0.00186**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Nickel	**0.00300**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Zinc	**0.00292**	J	0.00180*	mg/L	EPA 6020	EPA 3005A Filt.
1,4-Dichlorobenzene	**0.40**	J	0.21*	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	**26**		1.0	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	**1.6**		1.0	ug/L	EPA 8260B	EPA 5030C
1,2,3-Trichloropropane	**0.0025**	B,J	0.0011*	ug/L	SRL 524M-TCP	EPA 5030C
4917B						
Arsenic	**0.000618**	J	0.000589*	mg/L	EPA 6020	EPA 3005A Filt.
Barium	**0.270**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Chromium	**0.00139**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Cobalt	**0.000929**	J	0.000140*	mg/L	EPA 6020	EPA 3005A Filt.
Copper	**0.00100**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Molybdenum	**0.00144**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Nickel	**0.00653**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Vanadium	**0.00309**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Zinc	**0.0168**		0.00500	mg/L	EPA 6020	EPA 3005A Filt.
Perchlorate	**2.3**		2.0	ug/L	EPA 314.0	N/A
1,1,1-Trichloroethane	**33**		1.0	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethane	**35**		1.0	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethene	**190**		1.0	ug/L	EPA 8260B	EPA 5030C
Bromodichloromethane	**0.64**	J	0.33*	ug/L	EPA 8260B	EPA 5030C
Chloroform	**3.2**		1.0	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	**0.67**	J	0.51*	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	**0.85**	J	0.30*	ug/L	EPA 8260B	EPA 5030C
1,2,3-Trichloropropane	**0.0038**	B,J	0.0021*	ug/L	SRL 524M-TCP	EPA 5030C

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	Coffey Environments, Inc. 3777 Long Beach Blvd, Annex Building Long Beach, CA 90807-3335	Work Order:	11-04-0047
		Project name:	CA Car Hikers / 411-0054
		Received:	04/01/11 13:40
Attn:	Steve Ridenour		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
4917B DUP						
Arsenic	**0.000832**	J	0.000589*	mg/L	EPA 6020	EPA 3005A Filt.
Barium	**0.294**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Chromium	**0.00111**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Cobalt	**0.000928**	J	0.000140*	mg/L	EPA 6020	EPA 3005A Filt.
Copper	**0.00109**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Molybdenum	**0.00130**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Nickel	**0.00667**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Vanadium	**0.00330**		0.00100	mg/L	EPA 6020	EPA 3005A Filt.
Zinc	**0.0151**		0.00500	mg/L	EPA 6020	EPA 3005A Filt.
Perchlorate	**2.1**		2.0	ug/L	EPA 314.0	N/A
1,1,1-Trichloroethane	**25**		1.0	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethane	**28**		1.0	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethene	**120**		1.0	ug/L	EPA 8260B	EPA 5030C
Bromodichloromethane	**0.35**	J	0.33*	ug/L	EPA 8260B	EPA 5030C
Chloroform	**2.4**		1.0	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	**0.74**	J	0.51*	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	**0.72**	J	0.30*	ug/L	EPA 8260B	EPA 5030C
1,2,3-Trichloropropane	**0.0028**	B,J	0.0021*	ug/L	SRL 524M-TCP	EPA 5030C
Eq. Blank						
Copper	**0.000232**	J	0.000105*	mg/L	EPA 6020	EPA 3005A Filt.
Chloroform	**4.8**		1.0	ug/L	EPA 8260B	EPA 5030C
1,2,3-Trichloropropane	**0.0025**	B,J	0.0011*	ug/L	SRL 524M-TCP	EPA 5030C

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.		Date Received:	04/01/11
3777 Long Beach Blvd, Annex Building		Work Order No:	11-04-0047
Long Beach, CA 90807-3335		Preparation:	EPA 3520C
		Method:	EPA 8270C(M) Isotope Dilution
Project: CA Car Hikers / 411-0054			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917A	**11-04-0047-1-G**	**04/01/11 09:05**	**Aqueous**	**GC/MS Y**	**04/04/11**	**04/12/11 04:57**	**110404L14D**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	1.0	0.28	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	102	56-123	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917B	**11-04-0047-2-G**	**04/01/11 10:50**	**Aqueous**	**GC/MS Y**	**04/04/11**	**04/12/11 05:20**	**110404L14D**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	1.0	0.28	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	95	56-123	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917B DUP	**11-04-0047-3-G**	**04/01/11 11:00**	**Aqueous**	**GC/MS Y**	**04/04/11**	**04/12/11 05:42**	**110404L14D**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	1.0	0.28	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	105	56-123	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Eq. Blank	**11-04-0047-4-G**	**04/01/11 12:05**	**Aqueous**	**GC/MS Y**	**04/04/11**	**04/12/11 06:06**	**110404L14D**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	1.0	0.28	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	100	56-123	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.		Date Received:	04/01/11
3777 Long Beach Blvd, Annex Building		Work Order No:	11-04-0047
Long Beach, CA 90807-3335		Preparation:	EPA 3520C
		Method:	EPA 8270C(M) Isotope Dilution

Project: CA Car Hikers / 411-0054

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-09-004-1,689**	**N/A**	**Aqueous**	**GC/MS Y**	**04/04/11**	**04/05/11 14:17**	**110404L14D**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	1.0	0.28	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	89	56-123	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.		Date Received:	04/01/11
3777 Long Beach Blvd, Annex Building		Work Order No:	11-04-0047
Long Beach, CA 90807-3335		Preparation:	EPA 3520C
		Method:	EPA 1625CM

Project: CA Car Hikers / 411-0054

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917A	**11-04-0047-1-H**	**04/01/11 09:05**	**Aqueous**	**GC/MS DDD**	**04/05/11**	**04/11/11 17:47**	**110405L24**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
N-Nitrosodimethylamine	ND	2.0	0.48	1		ng/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Dichlorobenzene-d4	89	50-130	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917B	**11-04-0047-2-H**	**04/01/11 10:50**	**Aqueous**	**GC/MS DDD**	**04/05/11**	**04/11/11 18:09**	**110405L24**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
N-Nitrosodimethylamine	ND	2.0	0.48	1		ng/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Dichlorobenzene-d4	109	50-130	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917B DUP	**11-04-0047-3-H**	**04/01/11 11:00**	**Aqueous**	**GC/MS DDD**	**04/05/11**	**04/11/11 18:30**	**110405L24**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
N-Nitrosodimethylamine	ND	2.0	0.48	1		ng/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Dichlorobenzene-d4	109	50-130	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Eq. Blank	**11-04-0047-4-H**	**04/01/11 12:05**	**Aqueous**	**GC/MS DDD**	**04/05/11**	**04/11/11 18:52**	**110405L24**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
N-Nitrosodimethylamine	ND	2.0	0.48	1		ng/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Dichlorobenzene-d4	102	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.		Date Received:	04/01/11
3777 Long Beach Blvd, Annex Building		Work Order No:	11-04-0047
Long Beach, CA 90807-3335		Preparation:	EPA 3520C
		Method:	EPA 1625CM

Project: CA Car Hikers / 411-0054

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-07-027-617**	**N/A**	**Aqueous**	**GC/MS DDD**	**04/05/11**	**04/08/11 10:15**	**110405L24**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
N-Nitrosodimethylamine	ND	2.0	0.48	1		ng/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Dichlorobenzene-d4	81	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.		Date Received:	04/01/11
3777 Long Beach Blvd, Annex Building		Work Order No:	11-04-0047
Long Beach, CA 90807-3335		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: CA Car Hikers / 411-0054			Page 1 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917A	**11-04-0047-1-E**	**04/01/11 09:05**	**Aqueous**	**GC/MS WW**	**04/05/11**	**04/05/11 21:08**	**110405L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	26	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	0.40	1.0	0.21	1	J	1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	1.6	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	113	80-126		1,2-Dichloroethane-d4	115	80-134	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	89	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.	Date Received:	04/01/11
3777 Long Beach Blvd, Annex Building	Work Order No:	11-04-0047
Long Beach, CA 90807-3335	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: CA Car Hikers / 411-0054		Page 2 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917B	**11-04-0047-2-E**	**04/01/11 10:50**	**Aqueous**	**GC/MS WW**	**04/05/11**	**04/05/11 21:36**	**110405L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	0.64	1.0	0.33	1	J	t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	3.2	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	0.67	1.0	0.51	1	J
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	33	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	0.85	1.0	0.30	1	J
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	35	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	190	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	113	80-126		1,2-Dichloroethane-d4	113	80-134	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	87	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.	Date Received:	04/01/11
3777 Long Beach Blvd, Annex Building	Work Order No:	11-04-0047
Long Beach, CA 90807-3335	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: CA Car Hikers / 411-0054		Page 3 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917B DUP	**11-04-0047-3-A**	**04/01/11 11:00**	**Aqueous**	**GC/MS W**	**04/01/11**	**04/02/11 03:14**	**110401L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	0.35	1.0	0.33	1	J	t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	2.4	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	0.74	1.0	0.51	1	J
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	25	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	0.72	1.0	0.30	1	J
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	28	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	120	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	83	80-126		1,2-Dichloroethane-d4	102	80-134	
Toluene-d8	97	80-120		1,4-Bromofluorobenzene	93	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.	Date Received:	04/01/11
3777 Long Beach Blvd, Annex Building	Work Order No:	11-04-0047
Long Beach, CA 90807-3335	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: CA Car Hikers / 411-0054		Page 4 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Eq. Blank	**11-04-0047-4-A**	**04/01/11 12:05**	**Aqueous**	**GC/MS W**	**04/01/11**	**04/02/11 03:43**	**110401L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	4.8	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	90	80-126		1,2-Dichloroethane-d4	103	80-134	
Toluene-d8	97	80-120		1,4-Bromofluorobenzene	95	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.	Date Received:	04/01/11
3777 Long Beach Blvd, Annex Building	Work Order No:	11-04-0047
Long Beach, CA 90807-3335	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: CA Car Hikers / 411-0054		Page 5 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Trip Blank	**11-04-0047-5-A**	**04/01/11 00:00**	**Aqueous**	**GC/MS W**	**04/01/11**	**04/02/11 04:12**	**110401L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	90	80-126		1,2-Dichloroethane-d4	102	80-134	
Toluene-d8	97	80-120		1,4-Bromofluorobenzene	94	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.	Date Received:	04/01/11
3777 Long Beach Blvd, Annex Building	Work Order No:	11-04-0047
Long Beach, CA 90807-3335	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: CA Car Hikers / 411-0054		Page 6 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-4,196**	**N/A**	**Aqueous**	**GC/MS WW**	**04/05/11**	**04/05/11 14:18**	**110405L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	112	80-126		1,2-Dichloroethane-d4	112	80-134	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	89	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.		Date Received:	04/01/11
3777 Long Beach Blvd, Annex Building		Work Order No:	11-04-0047
Long Beach, CA 90807-3335		Preparation:	EPA 5030C
		Method:	SRL 524M-TCP

Project: CA Car Hikers / 411-0054

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917A	**11-04-0047-1-D**	**04/01/11 09:05**	**Aqueous**	**GC/MS M**	**04/04/11**	**04/04/11 22:19**	**110404L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,2,3-Trichloropropane	0.0025	0.0050	0.0011	1	B,J	ug/L

Surrogates:	REC (%)	Control Limits	Qual
N,N-Dimethylformamide-d7	96	50-150	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917B	**11-04-0047-2-D**	**04/01/11 10:50**	**Aqueous**	**GC/MS M**	**04/04/11**	**04/04/11 22:50**	**110404L02**

Comment(s): -The reporting limit is elevated resulting from matrix interference.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,2,3-Trichloropropane	0.0038	0.010	0.0021	2	B,J	ug/L

Surrogates:	REC (%)	Control Limits	Qual
N,N-Dimethylformamide-d7	128	50-150	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917B DUP	**11-04-0047-3-D**	**04/01/11 11:00**	**Aqueous**	**GC/MS M**	**04/04/11**	**04/04/11 23:20**	**110404L02**

Comment(s): -The reporting limit is elevated resulting from matrix interference.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,2,3-Trichloropropane	0.0028	0.010	0.0021	2	B,J	ug/L

Surrogates:	REC (%)	Control Limits	Qual
N,N-Dimethylformamide-d7	112	50-150	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Eq. Blank	**11-04-0047-4-D**	**04/01/11 12:05**	**Aqueous**	**GC/MS M**	**04/04/11**	**04/04/11 23:50**	**110404L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,2,3-Trichloropropane	0.0025	0.0050	0.0011	1	B,J	ug/L

Surrogates:	REC (%)	Control Limits	Qual
N,N-Dimethylformamide-d7	108	50-150	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.		Date Received:	04/01/11
3777 Long Beach Blvd, Annex Building		Work Order No:	11-04-0047
Long Beach, CA 90807-3335		Preparation:	EPA 5030C
		Method:	SRL 524M-TCP

Project: CA Car Hikers / 411-0054

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-10-022-712**	**N/A**	**Aqueous**	**GC/MS M**	**04/04/11**	**04/04/11 15:20**	**110404L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,2,3-Trichloropropane	0.0029	0.0050	0.0011	1	J	ug/L

Surrogates:	REC (%)	Control Limits	Qual
N,N-Dimethylformamide-d7	112	50-150	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: 04/01/11
Work Order No: 11-04-0047
Preparation: EPA 3005A Filt. / EPA 7470A Filt.
Method: EPA 6020 / EPA 7470A
Units: mg/L

Project: CA Car Hikers / 411-0054

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917A	**11-04-0047-1-J**	**04/01/11 09:05**	**Aqueous**	**ICP/MS 04**	**04/01/11**	**04/04/11 14:56**	**110401L03A**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury analysis was performed on 04/04/11 14:37 with batch 110404L01F.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.00100	0.000380	1		Mercury	ND	0.000500	0.0000348	1	
Arsenic	0.00207	0.00100	0.000589	1		Molybdenum	0.00186	0.00100	0.000290	1	
Barium	0.126	0.00100	0.000105	1		Nickel	0.00300	0.00100	0.000155	1	
Beryllium	ND	0.00100	0.000131	1		Selenium	ND	0.00100	0.000554	1	
Cadmium	ND	0.00100	0.000266	1		Silver	ND	0.00100	0.000120	1	
Chromium	0.00101	0.00100	0.000618	1		Thallium	ND	0.00100	0.000498	1	
Cobalt	0.000232	0.00100	0.000140	1	J	Vanadium	ND	0.00100	0.000790	1	
Copper	0.000408	0.00100	0.000105	1	J	Zinc	0.00292	0.00500	0.00180	1	J
Lead	ND	0.00100	0.000170	1							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917B	**11-04-0047-2-J**	**04/01/11 10:50**	**Aqueous**	**ICP/MS 04**	**04/01/11**	**04/04/11 15:00**	**110401L03A**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury analysis was performed on 04/04/11 14:40 with batch 110404L01F.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.00100	0.000380	1		Mercury	ND	0.000500	0.0000348	1	
Arsenic	0.000618	0.00100	0.000589	1	J	Molybdenum	0.00144	0.00100	0.000290	1	
Barium	0.270	0.00100	0.000105	1		Nickel	0.00653	0.00100	0.000155	1	
Beryllium	ND	0.00100	0.000131	1		Selenium	ND	0.00100	0.000554	1	
Cadmium	ND	0.00100	0.000266	1		Silver	ND	0.00100	0.000120	1	
Chromium	0.00139	0.00100	0.000618	1		Thallium	ND	0.00100	0.000498	1	
Cobalt	0.000929	0.00100	0.000140	1	J	Vanadium	0.00309	0.00100	0.000790	1	
Copper	0.00100	0.00100	0.000105	1		Zinc	0.0168	0.00500	0.00180	1	
Lead	ND	0.00100	0.000170	1							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
4917B DUP	**11-04-0047-3-J**	**04/01/11 11:00**	**Aqueous**	**ICP/MS 04**	**04/01/11**	**04/04/11 15:05**	**110401L03A**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury analysis was performed on 04/04/11 14:42 with batch 110404L01F.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.00100	0.000380	1		Mercury	ND	0.000500	0.0000348	1	
Arsenic	0.000832	0.00100	0.000589	1	J	Molybdenum	0.00130	0.00100	0.000290	1	
Barium	0.294	0.00100	0.000105	1		Nickel	0.00667	0.00100	0.000155	1	
Beryllium	ND	0.00100	0.000131	1		Selenium	ND	0.00100	0.000554	1	
Cadmium	ND	0.00100	0.000266	1		Silver	ND	0.00100	0.000120	1	
Chromium	0.00111	0.00100	0.000618	1		Thallium	ND	0.00100	0.000498	1	
Cobalt	0.000928	0.00100	0.000140	1	J	Vanadium	0.00330	0.00100	0.000790	1	
Copper	0.00109	0.00100	0.000105	1		Zinc	0.0151	0.00500	0.00180	1	
Lead	ND	0.00100	0.000170	1							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.		Date Received:	04/01/11
3777 Long Beach Blvd, Annex Building		Work Order No:	11-04-0047
Long Beach, CA 90807-3335		Preparation:	EPA 3005A Filt. / EPA 7470A Filt.
		Method:	EPA 6020 / EPA 7470A
		Units:	mg/L
Project: CA Car Hikers / 411-0054			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Eq. Blank	**11-04-0047-4-J**	**04/01/11 12:05**	**Aqueous**	**ICP/MS 04**	**04/01/11**	**04/04/11 15:10**	**110401L03A**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury analysis was performed on 04/04/11 14:44 with batch 110404L01F.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.00100	0.000380	1		Mercury	ND	0.000500	0.0000348	1	
Arsenic	ND	0.00100	0.000589	1		Molybdenum	ND	0.00100	0.000290	1	
Barium	ND	0.00100	0.000105	1		Nickel	ND	0.00100	0.000155	1	
Beryllium	ND	0.00100	0.000131	1		Selenium	ND	0.00100	0.000554	1	
Cadmium	ND	0.00100	0.000266	1		Silver	ND	0.00100	0.000120	1	
Chromium	ND	0.00100	0.000618	1		Thallium	ND	0.00100	0.000498	1	
Cobalt	ND	0.00100	0.000140	1		Vanadium	ND	0.00100	0.000790	1	
Copper	0.000232	0.00100	0.000105	1	J	Zinc	ND	0.00500	0.00180	1	
Lead	ND	0.00100	0.000170	1							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**096-06-003-3,265**	**N/A**	**Aqueous**	**ICP/MS 04**	**04/01/11**	**04/04/11 14:00**	**110401L03A**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.00100	0.000380	1		Lead	ND	0.00100	0.000170	1	
Arsenic	ND	0.00100	0.000589	1		Molybdenum	ND	0.00100	0.000290	1	
Barium	ND	0.00100	0.000105	1		Nickel	ND	0.00100	0.000155	1	
Beryllium	ND	0.00100	0.000131	1		Selenium	ND	0.00100	0.000554	1	
Cadmium	ND	0.00100	0.000266	1		Silver	ND	0.00100	0.000120	1	
Chromium	ND	0.00100	0.000618	1		Thallium	ND	0.00100	0.000498	1	
Cobalt	ND	0.00100	0.000140	1		Vanadium	ND	0.00100	0.000790	1	
Copper	ND	0.00100	0.000105	1		Zinc	ND	0.00500	0.00180	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-04-008-5,289**	**N/A**	**Aqueous**	**Mercury**	**04/04/11**	**04/04/11 13:48**	**110404L01F**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Preparation/analysis for Mercury was performed by EPA 7470A.

Parameter	Result	RL	MDL	DF	Qual
Mercury	ND	0.000500	0.0000348	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: 04/01/11
Work Order No: 11-04-0047

Project: CA Car Hikers / 411-0054

Client Sample Number	Lab Sample Number	Date Collected	Matrix
4917A	**11-04-0047-1**	**04/01/11**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Perchlorate (24)	ND	2.0	0.36	1		ug/L	N/A	04/01/11	EPA 314.0
Chromium, Hexavalent (24)	ND	1.0	0.041	1		ug/L	N/A	04/01/11	EPA 7199

Client Sample Number	Lab Sample Number	Date Collected	Matrix
4917B	**11-04-0047-2**	**04/01/11**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Perchlorate (24)	2.3	2.0	0.36	1		ug/L	N/A	04/01/11	EPA 314.0
Chromium, Hexavalent (24)	ND	1.0	0.041	1		ug/L	N/A	04/01/11	EPA 7199

Client Sample Number	Lab Sample Number	Date Collected	Matrix
4917B DUP	**11-04-0047-3**	**04/01/11**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Perchlorate (24)	2.1	2.0	0.36	1		ug/L	N/A	04/01/11	EPA 314.0
Chromium, Hexavalent (24)	ND	1.0	0.041	1		ug/L	N/A	04/01/11	EPA 7199

Client Sample Number	Lab Sample Number	Date Collected	Matrix
Eq. Blank	**11-04-0047-4**	**04/01/11**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Perchlorate (24)	ND	2.0	0.36	1		ug/L	N/A	04/01/11	EPA 314.0
Chromium, Hexavalent (24)	ND	1.0	0.041	1		ug/L	N/A	04/01/11	EPA 7199

Client Sample Number	Lab Sample Number	Date Collected	Matrix
Method Blank		**N/A**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Perchlorate (24)	ND	2.0	0.36	1		ug/L	N/A	04/01/11	EPA 314.0
Chromium, Hexavalent (24)	ND	1.0	0.041	1		ug/L	N/A	04/01/11	EPA 7199

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: 04/01/11
Work Order No: 11-04-0047
Preparation: EPA 3005A Filt.
Method: EPA 6020

Project CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-03-2007-3	**Aqueous**	**ICP/MS 04**	**04/01/11**	**04/04/11**	**110401S03**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	75	74	85-133	1	0-11	3
Arsenic	80	80	73-127	0	0-11	
Barium	92	84	74-128	4	0-10	
Beryllium	63	67	56-122	6	0-11	
Cadmium	77	75	84-114	2	0-8	3
Chromium	81	79	73-133	3	0-11	
Cobalt	86	83	79-121	4	0-10	
Copper	79	75	72-108	6	0-10	
Lead	80	79	79-121	1	0-10	
Molybdenum	87	82	83-137	6	0-10	3
Nickel	82	77	68-122	6	0-10	
Selenium	64	65	59-125	2	0-12	
Silver	98	93	68-128	5	0-14	
Thallium	76	75	73-121	1	0-11	
Vanadium	83	80	77-137	3	0-15	
Zinc	80	82	43-145	3	0-39	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - PDS / PDSD

Coffey Environments, Inc.		Date Received	04/01/11
3777 Long Beach Blvd, Annex Building		Work Order No:	11-04-0047
Long Beach, CA 90807-3335		Preparation:	EPA 3005A Filt.
		Method:	EPA 6020

Project: CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS / PDSD Batch Number
11-03-2007-3	**Aqueous**	**ICP/MS 04**	**04/01/11**	**04/04/11**	**110401S03**

Parameter	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	94	97	75-125	3	0-11	
Arsenic	96	97	75-125	1	0-11	
Barium	84	93	75-125	4	0-10	
Beryllium	82	88	75-125	7	0-11	
Cadmium	94	94	75-125	1	0-8	
Chromium	95	98	75-125	3	0-11	
Cobalt	96	98	75-125	2	0-10	
Copper	92	91	75-125	1	0-10	
Lead	98	103	75-125	4	0-10	
Molybdenum	106	110	75-125	4	0-10	
Nickel	91	95	75-125	4	0-10	
Selenium	88	91	75-125	4	0-12	
Silver	91	92	75-125	2	0-14	
Thallium	97	101	75-125	4	0-11	
Vanadium	96	97	75-125	1	0-15	
Zinc	87	94	75-125	7	0-39	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: 04/01/11
Work Order No: 11-04-0047
Preparation: EPA 7470A Total
Method: EPA 7470A

Project CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-04-0015-1	**Aqueous**	**Mercury**	**04/04/11**	**04/04/11**	**110404S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	93	95	57-141	3	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: 04/01/11
Work Order No: 11-04-0047
Preparation: EPA 5030C
Method: EPA 8260B

Project CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
4917A	**Aqueous**	**GC/MS W**	**04/01/11**	**04/02/11**	**110401S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	95	94	78-120	1	0-20	
Carbon Tetrachloride	89	91	67-139	2	0-20	
Chlorobenzene	106	107	80-120	1	0-20	
1,2-Dibromoethane	108	108	80-123	0	0-20	
1,2-Dichlorobenzene	106	106	76-120	0	0-20	
1,2-Dichloroethane	95	92	76-130	3	0-20	
1,1-Dichloroethene	95	97	70-130	2	0-27	
Ethylbenzene	106	108	73-127	1	0-20	
Toluene	98	97	72-126	1	0-20	
Trichloroethene	92	94	74-122	1	0-20	
Vinyl Chloride	94	95	65-131	1	0-24	
Methyl-t-Butyl Ether (MTBE)	91	91	69-123	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: 04/01/11
Work Order No: 11-04-0047
Preparation: EPA 5030C
Method: EPA 8260B

Project CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-04-0206-1	**Aqueous**	**GC/MS WW**	**04/05/11**	**04/05/11**	**110405S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	98	78-120	1	0-20	
Carbon Tetrachloride	105	103	67-139	2	0-20	
Chlorobenzene	101	101	80-120	0	0-20	
1,2-Dibromoethane	101	98	80-123	3	0-20	
1,2-Dichlorobenzene	98	100	76-120	2	0-20	
1,2-Dichloroethane	103	101	76-130	2	0-20	
1,1-Dichloroethene	97	98	70-130	1	0-27	
Ethylbenzene	103	103	73-127	0	0-20	
Toluene	100	101	72-126	1	0-20	
Trichloroethene	98	99	74-122	0	0-20	
Vinyl Chloride	108	106	65-131	2	0-24	
Methyl-t-Butyl Ether (MTBE)	99	98	69-123	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Coffey Environments, Inc.		Date Received:	04/01/11
3777 Long Beach Blvd, Annex Building		Work Order No:	11-04-0047
Long Beach, CA 90807-3335		Preparation:	EPA 5030C
		Method:	SRL 524M-TCP

Project CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-03-2088-4	**Aqueous**	**GC/MS M**	**04/04/11**	**04/04/11**	**110404S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
1,2,3-Trichloropropane	88	84	80-120	5	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: N/A
Work Order No: 11-04-0047

Project: CA Car Hikers / 411-0054

Matrix: Aqueous or Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	MS% REC	MSD % REC	%REC CL	RPD	RPD CL	Qualifiers
Chromium, Hexavalent	EPA 7199	11-04-0010-3	04/01/11	N/A	98	97	70-130	1	0-25	
Perchlorate	EPA 314.0	4917A	04/01/11	N/A	102	99	80-120	4	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: N/A
Work Order No: 11-04-0047
Preparation: EPA 3005A Filt.
Method: EPA 6020

Project: CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-06-003-3,265	**Aqueous**	**ICP/MS 04**	**04/01/11**	**04/05/11**	**110401L03A**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Antimony	98	98	80-120	73-127	0	0-20	
Arsenic	101	101	80-120	73-127	0	0-20	
Barium	96	96	80-120	73-127	0	0-20	
Beryllium	95	93	80-120	73-127	2	0-20	
Cadmium	100	99	80-120	73-127	1	0-20	
Chromium	102	100	80-120	73-127	2	0-20	
Cobalt	101	97	80-120	73-127	4	0-20	
Copper	106	105	80-120	73-127	1	0-20	
Lead	101	100	80-120	73-127	1	0-20	
Molybdenum	94	93	80-120	73-127	1	0-20	
Nickel	107	105	80-120	73-127	2	0-20	
Selenium	91	92	80-120	73-127	1	0-20	
Silver	92	90	80-120	73-127	1	0-20	
Thallium	95	95	80-120	73-127	1	0-20	
Vanadium	102	97	80-120	73-127	5	0-20	
Zinc	101	99	80-120	73-127	2	0-20	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: N/A
Work Order No: 11-04-0047
Preparation: EPA 7470A Filt.
Method: EPA 7470A

Project: CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-008-5,289	**Aqueous**	**Mercury**	**04/04/11**	**04/04/11**	**110404L01F**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	96	95	85-121	1	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: N/A
Work Order No: 11-04-0047
Preparation: EPA 3520C
Method: EPA 8270C(M) Isotope Dilution

Project: CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-09-004-1,689	**Aqueous**	**GC/MS Y**	**04/04/11**	**04/05/11**	**110404L14D**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
1,4-Dioxane	110	114	50-130	4	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: N/A
Work Order No: 11-04-0047
Preparation: EPA 3520C
Method: EPA 1625CM

Project: CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-027-617	**Aqueous**	**GC/MS DDD**	**04/05/11**	**04/08/11**	**110405L24**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
N-Nitrosodimethylamine	88	90	50-130	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: N/A
Work Order No: 11-04-0047
Preparation: EPA 5030C
Method: EPA 8260B

Project: CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-4,177	**Aqueous**	**GC/MS W**	**04/01/11**	**04/01/11**	**110401L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	92	94	80-120	73-127	2	0-20	
Carbon Tetrachloride	86	90	66-138	54-150	4	0-20	
Chlorobenzene	106	105	80-120	73-127	1	0-20	
1,2-Dibromoethane	107	109	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	107	107	80-120	73-127	0	0-20	
1,2-Dichloroethane	89	91	80-129	72-137	2	0-20	
1,1-Dichloroethene	94	96	71-131	61-141	2	0-20	
Ethylbenzene	107	108	80-123	73-130	1	0-20	
Toluene	95	97	79-121	72-128	2	0-20	
Trichloroethene	95	94	80-120	73-127	1	0-20	
Vinyl Chloride	92	93	70-136	59-147	2	0-20	
Methyl-t-Butyl Ether (MTBE)	92	92	72-126	63-135	0	0-22	

Total number of LCS compounds : 12
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: N/A
Work Order No: 11-04-0047
Preparation: EPA 5030C
Method: EPA 8260B

Project: CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-4,196	**Aqueous**	**GC/MS WW**	**04/05/11**	**04/05/11**	**110405L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	97	97	80-120	73-127	1	0-20	
Carbon Tetrachloride	102	99	66-138	54-150	3	0-20	
Chlorobenzene	101	98	80-120	73-127	2	0-20	
1,2-Dibromoethane	101	99	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	99	97	80-120	73-127	2	0-20	
1,2-Dichloroethane	103	100	80-129	72-137	2	0-20	
1,1-Dichloroethene	97	95	71-131	61-141	1	0-20	
Ethylbenzene	103	102	80-123	73-130	1	0-20	
Toluene	100	100	79-121	72-128	1	0-20	
Trichloroethene	98	98	80-120	73-127	0	0-20	
Vinyl Chloride	107	104	70-136	59-147	4	0-20	
Methyl-t-Butyl Ether (MTBE)	100	97	72-126	63-135	4	0-22	

Total number of LCS compounds : 12
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: N/A
Work Order No: 11-04-0047
Preparation: EPA 5030C
Method: SRL 524M-TCP

Project: CA Car Hikers / 411-0054

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-022-712	**Aqueous**	**GC/MS M**	**04/04/11**	**04/04/11**	**110404L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
1,2,3-Trichloropropane	94	100	80-120	6	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Coffey Environments, Inc.
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807-3335

Date Received: N/A
Work Order No: 11-04-0047

Project: CA Car Hikers / 411-0054

Matrix: Aqueous or Solid

Parameter	Method	Quality Control Sample ID	Date Extracted	Date Analyzed	LCS % REC	LCSD % REC	%REC CL	RPD	RPD CL	Qual
Chromium, Hexavalent	EPA 7199	099-05-123-2,868	N/A	04/01/11	99	100	80-120	1	0-20	
Perchlorate	EPA 314.0	099-05-203-1,212	N/A	04/01/11	102	102	85-115	0	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 11-04-0047

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Calscience Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

☑ SoCal Laboratory
7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494

☐ NorCal Service Center
5063 Commercial Circle, Suite H
Concord, CA 94520-8577
(925) 689-9022

WO # / LAB USE ONLY: 04-0047

Date: 4/01/11

Page: 1 of 1

LABORATORY CLIENT: Coffey Environments

ADDRESS: 3777 Long Beach Blvd., Annex Building

CITY: Long Beach STATE: CA ZIP: 90807

TEL: 310-530-5006 E-MAIL: ulf_lindmark@coffey.com steve_ridenour@coffey.com

CLIENT PROJECT NAME / NUMBER: CA Car Hikers / 411-0054

P.O. NO.:

PROJECT CONTACT: Steve Ridenour

SAMPLER(S): (PRINT) Reid Shigeno

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☑ STANDARD

☐ COELT EDF GLOBAL ID LOG CODE

SPECIAL INSTRUCTIONS:
Samples NOT filtered in Field
Please filter in laboratory

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH (g) or GRO	TPH (d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals ~~(6010/7471A)~~ 6020/747A	Cr(VI) [7196 or 7199 or 218.6]	Air - VOCs (TO-14A) or (TO-15)	Air - TPH (g) [TO-3]	1,4 Dioxane	Perchlorate - 314	1,2,3 - RTCP	NDMA - 1625
1	4917 A	4/1/11	905	H_2O	11	X	X						X							X	X			X	X	X	X
2	4917 B		1050			X	X						X							X	X			X	X	X	X
3	4917 B Dup		1100			X	X						X							X	X			X	X	X	X
4	Eq. Blank		1205		↓	X	X						X							X	X			X	X	X	X
5	Trip Blank	↓	—	↓	2								X														

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 4/01/11	Time: 1340
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

06/01/10 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 11-04-0047

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: COFFY ENVIRONMENTS DATE: 04/01/11

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 0.9 °C + 0.5 °C (CF) = 1.4 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Initial: RS

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: RS

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: RS

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOA6**h** ☐VOA**na₂** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☑1AGB2**na₂** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na**

☑250PB3 ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na₂** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:** 110328B **Labeled/Checked by:** RS

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** RL

Preservative: h: HCL n: HNO_3 na₂: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** _____

WELL GAUGING DATA

Project # 110401-B-1 Date 4-1-11 Client Colley Env.

Site 11590

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
4917A	8					332.18	373.51		
4917B	8					346.62	~~373.51~~ 372.31		

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110401-BM1	Client: Cahey Env.
Sampler: BM	Gauging Date: 4.1.11
Well I.D.: 4917B	Well Diameter (in.): 2 3 4 6 (8)
Total Well Depth (ft.): 372.31	Depth to Water (ft.): 346.62
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI Pod. Series

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: (Dedicated Tubing) | New Tubing | Other _____

Start Purge Time: 1021 Flow Rate: 200 ml/min Pump Depth: 356

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
	1 System volume = 2.92 L							
1036	23.1	7.01	1530	16	1.38	-42.8	3,000	346.62
1039	22.7	6.89	1553	15	1.35	-37.8	3,600	346.62
1042	22.4	6.85	1565	10	0.94	-38.8	4,200	346.62
1045	22.4	6.85	1566	10	0.79	-42.3	4,800	346.62
1048	22.3	6.86	1569	9	0.78	-43.2	5,400	346.62
1051	22.3	6.85	1567	9	0.74	-42.6	6,000	346.62

Did well dewater? Yes (No) Amount actually evacuated: 6000 mL

Sampling Time: 1050 Sampling Date: 4.1.11

Sample I.D.: 4917B Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

Equipment Blank I.D.: @ Time Duplicate I.D.: @1100

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110401-BM	Client: Coffey Env.
Sampler: BM	Gauging Date:
Well I.D.: 4917A	Well Diameter (in.): 2 3 4 6 (8)
Total Well Depth (ft.): 373.51	Depth to Water (ft.): 332.18
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI Pod. Series

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other

Start Purge Time: 0837 Flow Rate: 200 ml/min Pump Depth: 340'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
	1 system volume =		2.39 L					
0849	24.1	7.17	989	7	0.79	-45.8	2,400	332.19
0852	24.1	7.11	988	4	0.78	-59.0	3,000	332.19
0855	23.9	6.93	987	3	0.85	-51.3	3,600	332.19
0858	24.0	6.87	987	3	0.68	-47.3	4,200	332.19
0901	23.9	6.86	989	3	0.66	-45.9	4,800	332.19
0904	24.0	6.84	987	3	0.65	-48.7	5,400	332.19

Did well dewater? Yes (No) Amount actually evacuated: 5,400 mL

Sampling Time: 0905 Sampling Date: 4.1.11

Sample I.D.: Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

Equipment Blank I.D.: @ Time Duplicate I.D.:

WELLHEAD INSPECTION CHECKLIST

Client Cotter Env. Date 4.1.11

Site Address 11590 Tuxford, Sun Valley

Job Number 110401.B-1 Technician Ben S.

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
4917A	✓	✓	✓							
4917B	✓	✓	✓							

NOTES:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME YSI Prof. Series				PROJECT NUMBER 110401-B~1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI Prof Series	10F100481	4.1.11 0730	pH7 pH4 pH10	7.09 4.31 10.13	7.00 4.00 10.00	21.1°C	B~
↓	↓	↓	3900 mS 237.2 mV 100 mV	3999 mS 217.3 mV 32.79 mV	3900 mS 237.2 mV 99.35 mV	21.0°C	B~

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

Lindmark Engineering
2625 Townsgate Road Suite #330
Westlake Village, CA 91361-

Telephone **(818)707-6100**
Attn **David Smith**

Number of Pages 7
Date Received 10/19/2011
Date Reported 10/26/2011

Job Number	Ordered	Client
51388	10/19/2011	LNDENG

Project ID: 2011-006
Project Name: California Car Hikers
Site: 11590 Tuxford
Sun Valley

Enclosed are the results of analyses on 2 samples analyzed as specified on attached chain of custody.

Amolk MOLKY Brar
Laboratory Manager

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

CHAIN OF CUSTODY RECORD

COC# № **60333** GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 51388

Company: Lindmark Engineering		Report To:	
Address: 2625 Townsgate Ave	Project Name:	Address:	
Westlake Village	Site Address: 11590 Tuxford	Invoice To:	
Telephone: 818-707-6100 Fax:	Sun Valley	Address:	
Special Instruction:	Project ID: California Car Washers		
E-mail: dsmith@lindmarkeng.com	Project Manager: ulindmark@lindmarkeng.com	P.O.#: 2011-006	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	VOCs by 8260	Total dissolved Metals (6020)	Chromium VI 7199	Remarks
	274774	4917A	10/19/11	9:04		3 VOAS 1 Plastic	Water	Ice	X	X	X	
	274775	4917B	10/19/11	10:21		"	"	"	X	X	X	

Collected By: Blaine Tech	Date 10/19/11	Time 11:30	Relinquished By:	Date	Time
Relinquished By:	Date 10/19/11	Time 14:45	Received For Laboratory:	Date 10-19-11	Time 14:40
Received By:	Date	Time	Condition of Sample:		

TAT ☒ Normal ☐ Rush

White Report Yellow Laboratory Pink Client

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

Lindmark Engineering
2625 Townsgate Road Suite #330
Westlake Village, CA 91361-

Telephone: (818)707-6100
Attn: David Smith

Site

11590 Tuxford
Sun Valley

Page: **2**

Project ID: 2011-006
Project Name: California Car Hikers

ASL Job Number	Submitted	Client
51388	10/19/2011	LNDENG

Method: 6010B/7470A, CCR Title 22 Metals(Dissolved Metals)

QC Batch No: 102411-1

Our Lab I.D.			**274774**	**274775**			
Client Sample I.D.			4917A	4917B			
Date Sampled			**10/19/2011**	**10/19/2011**			
Date Prepared			**10/24/2011**	**10/24/2011**			
Preparation Method							
Date Analyzed			**10/25/2011**	**10/25/2011**			
Matrix			Water	Water			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
AA Metals							
Mercury	**0.0010**	**0.0020**	**ND**	**ND**			
ICP Metals							
Antimony	**0.0030**	**0.0100**	**ND**	**ND**			
Arsenic	**0.0020**	**0.0100**	**ND**	**ND**			
Barium	**0.0010**	**0.0100**	**0.113**	**0.190**			
Beryllium	**0.0005**	**0.0100**	**ND**	**ND**			
Cadmium	**0.0005**	**0.0100**	**ND**	**ND**			
Chromium	**0.0050**	**0.0100**	**ND**	**ND**			
Cobalt	**0.0010**	**0.0100**	**ND**	**0.0043J**			
Copper	**0.0050**	**0.0100**	**ND**	**ND**			
Lead	**0.0020**	**0.0050**	**ND**	**ND**			
Molybdenum	**0.0010**	**0.0100**	**ND**	**ND**			
Nickel	**0.0010**	**0.0100**	**ND**	**0.0039J**			
Selenium	**0.0040**	**0.0100**	**ND**	**0.0054J**			
Silver	**0.0080**	**0.0100**	**ND**	**ND**			
Thallium	**0.0040**	**0.0100**	**ND**	**ND**			
Vanadium	**0.0030**	**0.0100**	**ND**	**ND**			
Zinc	**0.0010**	**0.0100**	**ND**	**0.0090J**			

QUALITY CONTROL REPORT

QC Batch No: 102411-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
AA Metals										
Mercury	**100**	**98**	**1.6**	**80-120**	**20**					
ICP Metals										
Antimony	**92**	**91**	**<1**	**80-120**	**20**					
Arsenic	**97**	**97**	**<1**	**80-120**	**20**					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: 2011-006
Project Name: California Car Hikers

ASL Job Number	Submitted	Client
51388	10/19/2011	LNDENG

Method: 6010B/7470A, CCR Title 22 Metals(Dissolved Metals)
QUALITY CONTROL REPORT

QC Batch No: 102411-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
ICP Metals										
Barium	**98**	**97**	**<1**	**80-120**	**20**					
Beryllium	**99**	**99**	**<1**	**80-120**	**20**					
Cadmium	**91**	**90**	**<1**	**80-120**	**20**					
Chromium	**94**	**93**	**<1**	**80-120**	**20**					
Cobalt	**89**	**89**	**<1**	**80-120**	**20**					
Copper	**95**	**95**	**<1**	**80-120**	**20**					
Lead	**98**	**98**	**<1**	**80-120**	**20**					
Molybdenum	**94**	**93**	**<1**	**80-120**	**20**					
Nickel	**100**	**100**	**<1**	**80-120**	**20**					
Selenium	**94**	**93**	**1.2**	**80-120**	**20**					
Silver	**88**	**96**	**8.9**	**80-120**	**20**					
Thallium	**95**	**95**	**<1**	**80-120**	**20**					
Vanadium	**93**	**92**	**<1**	**80-120**	**20**					
Zinc	**108**	**107**	**<1**	**80-120**	**20**					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

Lindmark Engineering
2625 Townsgate Road Suite #330
Westlake Village, CA 91361-

Telephone: (818)707-6100
Attn: David Smith

Site

11590 Tuxford
Sun Valley

Page: **4**

Project ID: 2011-006
Project Name: California Car Hikers

ASL Job Number	Submitted	Client
51388	10/19/2011	LNDENG

Method: 7199, Hexavalent Chromium by Ion Chromatography

QC Batch No: 101911-1

Our Lab I.D.			**274774**	**274775**			
Client Sample I.D.			4917A	4917B			
Date Sampled			**10/19/2011**	**10/19/2011**			
Date Prepared			**10/19/2011**	**10/19/2011**			
Preparation Method							
Date Analyzed			**10/19/2011**	**10/19/2011**			
Matrix			Water	Water			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Conventionals							
Chromium (VI)	**0.144**	**1.00**	**ND**	**ND**			

QUALITY CONTROL REPORT

QC Batch No: 101911-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Conventionals										
Chromium (VI)	**104**	**91**	**13.1**	**80-120**	**20**					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

Lindmark Engineering
2625 Townsgate Road Suite #330
Westlake Village, CA 91361-

Telephone: (818)707-6100
Attn: David Smith

Site

11590 Tuxford
Sun Valley

Page: **5**

Project ID: 2011-006
Project Name: California Car Hikers

ASL Job Number	Submitted	Client
51388	10/19/2011	LNDENG

Method: 8260B, Volatile Organic Compounds

QC Batch No: W-102011B-1

Our Lab I.D.			274774	274775			
Client Sample I.D.			4917A	4917B			
Date Sampled			10/19/2011	10/19/2011			
Date Prepared			10/20/2011	10/20/2011			
Preparation Method							
Date Analyzed			10/20/2011	10/20/2011			
Matrix			Water	Water			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acetone	2.52	5.00	ND	ND			
Benzene	0.0970	1.00	ND	ND			
Bromobenzene (Phenyl bromide)	0.291	1.00	ND	ND			
Bromochloromethane (Chlorobromomethane)	0.169	1.00	ND	ND			
Bromodichloromethane (Dichlorobromomethane)	0.169	1.00	ND	3.80			
Bromoform (Tribromomethane)	0.284	5.00	ND	ND			
Bromomethane (Methyl bromide)	0.174	3.00	ND	ND			
2-Butanone (MEK, Methyl ethyl ketone)	5.00	5.00	ND	ND			
n-Butylbenzene	0.363	1.00	ND	ND			
sec-Butylbenzene	0.338	1.00	ND	ND			
tert-Butylbenzene	0.235	1.00	ND	ND			
Carbon disulfide	0.463	1.00	ND	ND			
Carbon tetrachloride (Tetrachloromethane)	0.144	1.00	ND	ND			
Chlorobenzene	0.176	1.00	ND	ND			
Chloroethane	0.328	3.00	ND	ND			
2-Chloroethyl vinyl ether	0.665	5.00	ND	ND			
Chloroform (Trichloromethane)	0.247	1.00	ND	14.8			
Chloromethane (Methyl chloride)	0.174	3.00	ND	ND			
4-Chlorotoluene (p-Chlorotoluene)	0.311	1.00	ND	ND			
2-Chlorotoluene (o-Chlorotoluene)	0.147	1.00	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	0.333	5.00	ND	ND			
Dibromochloromethane	0.300	1.00	ND	0.560J			
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.226	1.00	ND	ND			
Dibromomethane	0.316	1.00	ND	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.358	1.00	ND	ND			
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.333	1.00	ND	ND			

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: 2011-006
Project Name: California Car Hikers

ASL Job Number	Submitted	Client
51388	10/19/2011	LNDENG

Method: 8260B, Volatile Organic Compounds

QC Batch No: W-102011B-1

Our Lab I.D.			274774	274775			
Client Sample I.D.			4917A	4917B			
Date Sampled			10/19/2011	10/19/2011			
Date Prepared			10/20/2011	10/20/2011			
Preparation Method							
Date Analyzed			10/20/2011	10/20/2011			
Matrix			Water	Water			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.384	1.00	ND	ND			
Dichlorodifluoromethane	0.244	3.00	ND	ND			
1,1-Dichloroethane	0.372	1.00	ND	6.30			
1,2-Dichloroethane	0.182	1.00	ND	ND			
1,1-Dichloroethene (1,1-Dichloroethylene)	0.355	1.00	ND	83.4			
cis-1,2-Dichloroethene	0.279	1.00	4.95	ND			
trans-1,2-Dichloroethene	0.176	1.00	0.340J	ND			
1,2-Dichloropropane	0.359	1.00	ND	ND			
1,3-Dichloropropane	0.205	1.00	ND	ND			
2,2-Dichloropropane	0.341	1.00	ND	ND			
1,1-Dichloropropene	0.210	1.00	ND	ND			
cis-1,3-Dichloropropene	0.122	1.00	ND	ND			
trans-1,3-Dichloropropene	0.100	1.00	ND	ND			
Ethylbenzene	0.209	1.00	ND	ND			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	0.413	3.00	ND	ND			
2-Hexanone	0.944	5.00	ND	ND			
Isopropylbenzene	0.291	1.00	ND	ND			
p-Isopropyltoluene (4-Isopropyltoluene)	0.468	1.00	ND	ND			
MTBE	0.240	2.00	ND	ND			
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	1.71	5.00	ND	ND			
Methylene chloride (Dichloromethane, DCM)	1.00	5.00	ND	ND			
Naphthalene	0.375	1.00	ND	ND			
n-Propylbenzene	0.254	1.00	ND	ND			
Styrene	0.122	1.00	ND	ND			
1,1,1,2-Tetrachloroethane	0.141	1.00	ND	ND			
1,1,2,2-Tetrachloroethane	0.579	1.00	ND	ND			
Tetrachloroethene (Tetrachloroethylene)	0.421	1.00	ND	ND			
Toluene (Methyl benzene)	0.282	1.00	ND	ND			
1,2,3-Trichlorobenzene	0.219	1.00	ND	ND			
1,2,4-Trichlorobenzene	0.451	1.00	ND	ND			
1,1,1-Trichloroethane	0.150	1.00	ND	13.4			
1,1,2-Trichloroethane	0.233	1.00	ND	ND			

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: 2011-006
Project Name: California Car Hikers

ASL Job Number	Submitted	Client
51388	10/19/2011	LNDENG

Method: 8260B, Volatile Organic Compounds

QC Batch No: W-102011B-1

Our Lab I.D.			274774	274775			
Client Sample I.D.			4917A	4917B			
Date Sampled			10/19/2011	10/19/2011			
Date Prepared			10/20/2011	10/20/2011			
Preparation Method							
Date Analyzed			10/20/2011	10/20/2011			
Matrix			Water	Water			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Trichloroethene (TCE)	0.117	1.00	31.8	ND			
Trichlorofluoromethane	0.294	1.00	ND	ND			
1,2,3-Trichloropropane	0.303	1.00	ND	ND			
1,2,4-Trimethylbenzene	0.451	1.00	ND	ND			
1,3,5-Trimethylbenzene	0.219	1.00	ND	ND			
Vinyl acetate	1.62	5.00	ND	ND			
Vinyl chloride (Chloroethene)	0.331	3.00	1.55J	ND			
o-Xylene	0.262	1.00	ND	ND			
m- & p-Xylenes	0.476	2.00	ND	ND			

Our Lab I.D.			274774	274775			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		99	100			
Dibromofluoromethane	70-120		104	103			
Toluene-d8	70-120		94	96			

QUALITY CONTROL REPORT

QC Batch No: W-102011B-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	98	102	4.0	75-120	15					
Chlorobenzene	116	118	1.7	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	83	85	2.4	75-120	15					
MTBE	96	100	4.1	75-120	15					
Toluene (Methyl benzene)	114	116	1.7	75-120	15					
Trichloroethene (TCE)	98	100	2.0	75-120	15					

WELL GAUGING DATA

Project # 111019-BM1 Date 10.19.11 Client Landmark Eng.

Site Landmark Eng. @ Sun Valley

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Time
4917A	8					319.02	373.42	TOC	0818
4917B	8					337.90	372.39	"	0935

LOW FLOW WELL MONITORING DATA SHEET

Project #: 111019-BM	Client: Landmark
Sampler: BM	Gauging Date: 10.19.11
Well I.D.: 4197A	Well Diameter (in.): 2 3 4 6 (8) ___
Total Well Depth (ft.): 373.42	Depth to Water (ft.): 315.02
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder) Pump
Sampling Method: (Dedicated) Tubing | New Tubing | Other ___

Start Purge Time: 0836 Flow Rate: 200 ml/min Pump Depth: 340'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
- Remove	1 system	volume = 2.43 L						
0851	23.04	7.08	1029	8	1.92	-91.7	3000	373.45
0854	23.15	7.04	1027	5	1.56	-92.0	3600	373.45
0857	23.34	6.94	1024	4	1.30	-92.9	4200	373.45
0900	23.34	6.88	1025	4	1.25	-92.5	4800	373.45
0903	23.38	6.90	1024	4	1.26	-93.2	5400	373.45

Did well dewater? Yes (No) Amount actually evacuated: 5,400 mL

Sampling Time: 0904 Sampling Date: 10.19.11

Sample I.D.: 4197A Laboratory: American Scientific

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 111019-BN1	Client: Landmark
Sampler: BN	Gauging Date: 10-19-11
Well I.D.: 4917B	Well Diameter (in.): 2 3 4 6 (8)
Total Well Depth (ft.): 372.39	Depth to Water (ft.): 337.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump (C)
Sampling Method: Dedicated Tubing (D) | New Tubing | Other

Start Purge Time: 0950 Flow Rate: 200 mL/min Pump Depth: 356

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
	- Removed		1 System volume		=2.92 L			
1005	22.00	6.91	1252	11	2.46	-15.6	3,000	372.43
1008	22.12	6.81	1248	9	1.78	-16.9	3600	372.43
1011	22.23	6.78	1245	7	1.65	-27.0	4,200	372.43
1014	22.29	6.72	1245	4	1.43	-27.3	4,800	372.43
1017	22.34	6.70	1245	4	1.38	-27.3	5,400	372.43
1020	22.37	6.69	1244	4	1.37	-26.9	6000	372.43

Did well dewater? Yes (No) Amount actually evacuated: 6,000 mL

Sampling Time: 1021 Sampling Date: 10-19-11

Sample I.D.: 4917B Laboratory: American Scientific

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

Equipment Blank I.D.: @ Time Duplicate I.D.:

WELLHEAD INSPECTION CHECKLIST

Client ~~111019.B~~ 33~1 Landmark Eng Date 10-19-11

Site Address Landmark Eng. @ Sun valley

Job Number 111019.B~1 Technician Ben S

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
4917A	✓	✓	✓							
4917B	✓	✓	✓							

NOTES:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME Landmark @ Sun Valley				PROJECT NUMBER 111019-13a1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI 556 Field		10-19-11	pH 7 pH 4 pH 10	7.67 4.83 10.63	7.00 4.00 10.00	20.01	BR
↓		↓	3900 µs 237.5 mV 100.0 %	3893 µs 243.7 mV 83.7 %	3900 µs 237.5 mV 102.9 %	20.52	BR

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

Lindmark Engineering
2625 Townsgate Road Suite #330
Westlake Village, CA 91361-

Telephone **(818)707-6100**
Attn **David Smith**

Number of Pages 13
Date Received 04/06/2012
Date Reported 04/24/2012

Job Number	Ordered	Client
53150	04/06/2012	LNDENG

Project ID: 2011-006
Project Name: CCH
Site: 11590 Turford Road

Enclosed are the results of analyses on 2 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# № **61613** GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 53150

Company: Lindmark Engineering		Report To:	
Address: 2625 Townsgate Rd	Project Name: CCH	Address:	
Westlake Village	Site Address: 11590 Tuxford Rd	Invoice To:	
Telephone: 310-463-7774 Fax:		Address:	
Special Instruction:	Project ID: 2011-006		
E-mail: dsmith@lindmarkeng.com	Project Manager:	P.O.#:	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	VOCs by 8260B	Total dissol. Metals by 6020/7470A	Chromium VI by 7199	1,4-dioxane by 8270C	Perchlorate by 314 (2 µg/L detection limit)	1,2,3 TCP by 524M (0.005 µg/L detection limit)	NDMA by 1625	Archive				Remarks
	281636	4917A	4/6/12	0930	11	2 Amber 3 Plastic 6 VOAs	Water	HCl VOAs none = Amber + Plastic	X	X	X	X	X	X	X					Plz filter for metals
	281637	4917B	4/6/12	1119	11	2 Amber Plastic 3 6 VOAs	Water	VOAs – HCl Amber Plastic – none	X	X	X	X	X	X	X					Plz filter for metals
	281638	Purge Water	4/6/12	1200	4	3 Plastic 1 Amber	Water	None								X					

Collected By:		Date 4/6/12	Time 1200	Relinquished By:	Date Time
Relinquished By:		Date 4/6/12	Time 1345	Received For Laboratory Janet Chin	Date 4-6-12 Time 13:45
Received By:		Date	Time	Condition of Sample:	

TAT ☒ Normal ☐ Rush

White - *Report*, **Yellow** - *Laboratory*, **Pink** - *Client*

CHAIN OF CUSTODY RECORD

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

Lindmark Engineering
2625 Townsgate Road Suite #330
Westlake Village, CA 91361-

Telephone: (818)707-6100
Attn: David Smith

Site

11590 Turford Road

Page: **2**

Project ID: 2011-006
Project Name: CCH

ASL Job Number	Submitted	Client
53150	04/06/2012	LNDENG

Method: 1625M, NDMA

QC Batch No: 041412-1

Our Lab I.D.			281636	281637			
Client Sample I.D.			4917A	4917B			
Date Sampled			04/06/2012	04/06/2012			
Date Prepared			04/10/2012	04/10/2012			
Preparation Method							
Date Analyzed			04/14/2012	04/14/2012			
Matrix			Water	Water			
Units			ng/L	ng/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
N-Nitrosodimethylamine (NDMA)	0.500	2.00	ND	ND			

QUALITY CONTROL REPORT

QC Batch No: 041412-1

Analytes	LCS % REC	LCS/LCSD % Limit								
N-Nitrosodimethylamine (NDMA)	93	50-150								

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

Lindmark Engineering
2625 Townsgate Road Suite #330
Westlake Village, CA 91361-

Telephone: (818)707-6100
Attn: David Smith

Site

11590 Turford Road

Page: **3**

Project ID: 2011-006
Project Name: CCH

ASL Job Number	Submitted	Client
53150	04/06/2012	LNDENG

Method: 200.8, TTLC Metals by ICP-MS

QC Batch No: 042312-1

Our Lab I.D.			**281636**	**281637**			
Client Sample I.D.			4917A	4917B			
Date Sampled			**04/06/2012**	**04/06/2012**			
Date Prepared			**04/16/2012**	**04/16/2012**			
Preparation Method							
Date Analyzed			**04/23/2012**	**04/23/2012**			
Matrix			Water	Water			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
ICP Metals							
Antimony	**0.0400**	**0.500**	**ND**	**ND**			
Arsenic	**0.0360**	**0.400**	**0.620**	**0.930**			
Barium	**0.0300**	**0.500**	**140**	**190**			
Beryllium	**0.0880**	**0.100**	**ND**	**ND**			
Cadmium	**0.0200**	**0.100**	**ND**	**ND**			
Chromium	**0.0740**	**0.200**	**ND**	**0.200**			
Cobalt	**0.0090**	**0.100**	**ND**	**0.210**			
Copper	**0.270**	**0.500**	**0.580**	**0.980**			
Lead	**0.0110**	**0.200**	**ND**	**ND**			
Mercury	**0.0001**	**0.0005**	**ND**	**ND**			
Molybdenum	**0.0360**	**0.100**	**1.50**	**1.10**			
Nickel	**0.130**	**0.800**	**0.890**	**ND**			
Selenium	**0.280**	**0.400**	**ND**	**ND**			
Silver	**0.0270**	**0.200**	**ND**	**ND**			
Thallium	**0.0090**	**0.200**	**ND**	**ND**			
Vanadium	**0.0470**	**0.500**	**1.10**	**4.70**			
Zinc	**1.10**	**5.00**	**5.70**	**12.0**			

QUALITY CONTROL REPORT

QC Batch No: 042312-1

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Antimony	**89**	**85-115**								
Arsenic	**101**	**85-115**								
Barium	**100**	**85-115**								
Beryllium	**101**	**85-115**								
Cadmium	**102**	**85-115**								

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: 2011-006
Project Name: CCH

ASL Job Number	Submitted	Client
53150	04/06/2012	LNDENG

Method: 200.8, TTLC Metals by ICP-MS
QUALITY CONTROL REPORT

QC Batch No: 042312-1

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Chromium	**107**	**85-115**								
Cobalt	**108**	**85-115**								
Copper	**107**	**85-115**								
Lead	**100**	**85-115**								
Molybdenum	**99**	**85-115**								
Nickel	**108**	**85-115**								
Selenium	**105**	**85-115**								
Silver	**103**	**85-115**								
Thallium	**100**	**85-115**								
Vanadium	**104**	**85-115**								
Zinc	**104**	**85-115**								

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

Lindmark Engineering
2625 Townsgate Road Suite #330
Westlake Village, CA 91361-

Telephone: (818)707-6100
Attn: David Smith

Site

11590 Turford Road

Page: **5**

Project ID: 2011-006
Project Name: CCH

ASL Job Number	Submitted	Client
53150	04/06/2012	LNDENG

Method: 218.6, Hexavalent Chromium by Ion Chromatography

QC Batch No: 040912-1

Our Lab I.D.			**281636**	**281637**			
Client Sample I.D.			4917A	4917B			
Date Sampled			**04/06/2012**	**04/06/2012**			
Date Prepared			**04/09/2012**	**04/09/2012**			
Preparation Method							
Date Analyzed			**04/09/2012**	**04/09/2012**			
Matrix			Water	Water			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Conventionals							
Chromium (VI)	**0.144**	**1.00**	**ND**	**ND**			

QUALITY CONTROL REPORT

QC Batch No: 040912-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Conventionals										
Chromium (VI)	**101**	**98**	**3.0**	**90-110**	**10**					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

Lindmark Engineering
2625 Townsgate Road Suite #330
Westlake Village, CA 91361-

Telephone: (818)707-6100
Attn: David Smith

Site

11590 Turford Road

Page: **6**

Project ID: 2011-006
Project Name: CCH

ASL Job Number	Submitted	Client
53150	04/06/2012	LNDENG

Method: 314.0, Perchlorate by Ion Chromatography

QC Batch No: 040912-1

Our Lab I.D.			281636	281637			
Client Sample I.D.			4917A	4917B			
Date Sampled			04/06/2012	04/06/2012			
Date Prepared			04/09/2012	04/09/2012			
Preparation Method							
Date Analyzed			04/09/2012	04/09/2012			
Matrix			Water	Water			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Conventionals							
Perchlorate	0.950	2.00	ND	ND			

QUALITY CONTROL REPORT

QC Batch No: 040912-1

Analytes	LCS % REC	LCS/LCSD % Limit								
Conventionals										
Perchlorate	111	85-115								

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

Lindmark Engineering
2625 Townsgate Road Suite #330
Westlake Village, CA 91361-

Telephone: (818)707-6100
Attn: David Smith

Site

11590 Turford Road

Page: **7**

Project ID: 2011-006
Project Name: CCH

ASL Job Number	Submitted	Client
53150	04/06/2012	LNDENG

Method: 524.2M, 1,2,3,-Trichloropropane by GC/MS SIM Mode

QC Batch No: 040912-1

Our Lab I.D.			**281636**	**281637**			
Client Sample I.D.			4917A	4917B			
Date Sampled			**04/06/2012**	**04/06/2012**			
Date Prepared			**04/09/2012**	**04/09/2012**			
Preparation Method							
Date Analyzed			**04/09/2012**	**04/09/2012**			
Matrix			Water	Water			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,2,3-Trichloropropane	**0.0012**	**0.0050**	**ND**	**ND**			

QUALITY CONTROL REPORT

QC Batch No: 040912-1

Analytes	LCS % REC	LCS/LCSD % Limit								
1,2,3-Trichloropropane	**119**	**80-120**								

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

Lindmark Engineering
2625 Townsgate Road Suite #330
Westlake Village, CA 91361-

Telephone: (818)707-6100
Attn: David Smith

Site

11590 Turford Road

Page: **8**

Project ID: 2011-006
Project Name: CCH

ASL Job Number	Submitted	Client
53150	04/06/2012	LNDENG

Method: 7470A, Mercury (CVAA)

QC Batch No: 041112-1

Our Lab I.D.			281636	281637			
Client Sample I.D.			4917A	4917B			
Date Sampled			04/06/2012	04/06/2012			
Date Prepared			04/11/2012	04/11/2012			
Preparation Method							
Date Analyzed			04/11/2012	04/11/2012			
Matrix			Water	Water			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
AA Metals							
Mercury	0.0001	0.0005	ND	ND			

QUALITY CONTROL REPORT

QC Batch No: 041112-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
AA Metals										
Mercury	108	98	9.5	80-120	<20					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

Lindmark Engineering
2625 Townsgate Road Suite #330
Westlake Village, CA 91361-

Telephone: (818)707-6100
Attn: David Smith

Site

11590 Turford Road

Page: **9**

Project ID: 2011-006
Project Name: CCH

ASL Job Number	Submitted	Client
53150	04/06/2012	LNDENG

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-041012

Our Lab I.D.			281636	281637			
Client Sample I.D.			4917A	4917B			
Date Sampled			04/06/2012	04/06/2012			
Date Prepared			04/10/2012	04/10/2012			
Preparation Method							
Date Analyzed			04/10/2012	04/10/2012			
Matrix			Water	Water			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acetone	2.52	5.00	ND	ND			
Benzene	0.0970	1.00	ND	ND			
Bromobenzene (Phenyl bromide)	0.291	1.00	ND	ND			
Bromochloromethane (Chlorobromomethane)	0.169	1.00	ND	ND			
Bromodichloromethane (Dichlorobromomethane)	0.169	1.00	ND	3.61			
Bromoform (Tribromomethane)	0.284	5.00	ND	ND			
Bromomethane (Methyl bromide)	0.174	3.00	ND	ND			
2-Butanone (MEK, Methyl ethyl ketone)	5.00	5.00	ND	ND			
n-Butylbenzene	0.363	1.00	ND	ND			
sec-Butylbenzene	0.338	1.00	ND	ND			
tert-Butylbenzene	0.235	1.00	ND	ND			
Carbon disulfide	0.463	1.00	ND	ND			
Carbon tetrachloride (Tetrachloromethane)	0.144	1.00	ND	ND			
Chlorobenzene	0.176	1.00	ND	ND			
Chloroethane	0.328	3.00	ND	ND			
2-Chloroethyl vinyl ether	0.665	5.00	ND	ND			
Chloroform (Trichloromethane)	0.247	1.00	ND	13.9			
Chloromethane (Methyl chloride)	0.174	3.00	ND	ND			
4-Chlorotoluene (p-Chlorotoluene)	0.311	1.00	ND	ND			
2-Chlorotoluene (o-Chlorotoluene)	0.147	1.00	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	0.333	5.00	ND	ND			
Dibromochloromethane	0.300	1.00	ND	0.360J			
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.226	1.00	ND	ND			
Dibromomethane	0.316	1.00	ND	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.358	1.00	ND	ND			
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.333	1.00	ND	ND			

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: 2011-006
Project Name: CCH

ASL Job Number	Submitted	Client
53150	04/06/2012	LNDENG

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-041012

Our Lab I.D.			281636	281637			
Client Sample I.D.			4917A	4917B			
Date Sampled			04/06/2012	04/06/2012			
Date Prepared			04/10/2012	04/10/2012			
Preparation Method							
Date Analyzed			04/10/2012	04/10/2012			
Matrix			Water	Water			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.384	1.00	ND	ND			
Dichlorodifluoromethane	0.244	3.00	ND	ND			
1,1-Dichloroethane	0.372	1.00	ND	6.91			
1,2-Dichloroethane	0.182	1.00	ND	0.830J			
1,1-Dichloroethene (1,1-Dichloroethylene)	0.355	1.00	1.61	106			
cis-1,2-Dichloroethene	0.279	1.00	5.50	ND			
trans-1,2-Dichloroethene	0.176	1.00	0.270J	ND			
1,2-Dichloropropane	0.359	1.00	ND	ND			
1,3-Dichloropropane	0.205	1.00	ND	ND			
2,2-Dichloropropane	0.341	1.00	ND	ND			
1,1-Dichloropropene	0.210	1.00	ND	ND			
cis-1,3-Dichloropropene	0.122	1.00	ND	ND			
trans-1,3-Dichloropropene	0.100	1.00	ND	ND			
Ethylbenzene	0.209	1.00	ND	ND			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	0.413	3.00	ND	ND			
2-Hexanone	0.944	5.00	ND	ND			
Isopropylbenzene	0.291	1.00	ND	ND			
p-Isopropyltoluene (4-Isopropyltoluene)	0.468	1.00	ND	ND			
MTBE	0.240	2.00	ND	ND			
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	1.71	5.00	ND	ND			
Methylene chloride (Dichloromethane, DCM)	1.00	5.00	ND	ND			
Naphthalene	0.375	1.00	ND	ND			
n-Propylbenzene	0.254	1.00	ND	ND			
Styrene	0.122	1.00	ND	ND			
1,1,1,2-Tetrachloroethane	0.141	1.00	ND	ND			
1,1,2,2-Tetrachloroethane	0.579	1.00	ND	ND			
Tetrachloroethene (Tetrachloroethylene)	0.421	1.00	ND	ND			
Toluene (Methyl benzene)	0.282	1.00	ND	ND			
1,2,3-Trichlorobenzene	0.219	1.00	ND	ND			
1,2,4-Trichlorobenzene	0.451	1.00	ND	ND			
1,1,1-Trichloroethane	0.150	1.00	ND	12.1			
1,1,2-Trichloroethane	0.233	1.00	ND	ND			

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: 2011-006
Project Name: CCH

ASL Job Number	Submitted	Client
53150	04/06/2012	LNDENG

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-041012

Our Lab I.D.			281636	281637			
Client Sample I.D.			4917A	4917B			
Date Sampled			04/06/2012	04/06/2012			
Date Prepared			04/10/2012	04/10/2012			
Preparation Method							
Date Analyzed			04/10/2012	04/10/2012			
Matrix			Water	Water			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Trichloroethene (TCE)	0.117	1.00	39.8	0.160J			
Trichlorofluoromethane	0.294	1.00	ND	ND			
1,2,3-Trichloropropane	0.303	1.00	ND	ND			
1,2,4-Trimethylbenzene	0.451	1.00	ND	ND			
1,3,5-Trimethylbenzene	0.219	1.00	ND	ND			
Vinyl acetate	1.62	5.00	ND	ND			
Vinyl chloride (Chloroethene)	0.331	3.00	7.42	ND			
o-Xylene	0.262	1.00	ND	ND			
m- & p-Xylenes	0.476	2.00	ND	ND			

Our Lab I.D.			281636	281637			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		102	106			
Dibromofluoromethane	70-120		110	111			
Toluene-d8	70-120		101	102			

QUALITY CONTROL REPORT

QC Batch No: W1B-041012

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	100	99	1.0	75-120	15					
Chlorobenzene	111	109	1.8	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	110	109	<1	75-120	15					
MTBE	91	90	1.1	75-120	15					
Toluene (Methyl benzene)	113	111	1.8	75-120	15					
Trichloroethene (TCE)	96	94	2.1	75-120	15					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

Lindmark Engineering
2625 Townsgate Road Suite #330
Westlake Village, CA 91361-

Telephone: (818)707-6100
Attn: David Smith

Site

11590 Turford Road

Page: **12**

Project ID: 2011-006
Project Name: CCH

ASL Job Number	Submitted	Client
53150	04/06/2012	LNDENG

Method: 8270C, 1,4-Dioxane

QC Batch No: 041312-1

Our Lab I.D.			281636	281637			
Client Sample I.D.			4917A	4917B			
Date Sampled			04/06/2012	04/06/2012			
Date Prepared			04/10/2012	04/10/2012			
Preparation Method							
Date Analyzed			04/13/2012	04/13/2012			
Matrix			Water	Water			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,4-Dioxane	2.00	10.0	ND	ND			

Comment(s):
281636: Low surrogate recovery due to matrix.

Our Lab I.D.			281636	281637			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
2-Fluorophenol	21-105		5	29			
Phenol-d6	10-107		2	21			
2,4,6-Tribromophenol	10-123		51	65			
Nitrobenzene-d5	35-114		56	54			
2-Fluorobiphenyl	18-116		34	37			
Terphenyl-d14	33-141		60	64			

QUALITY CONTROL REPORT

QC Batch No: 041312-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
1,4-Dioxane	66	72	8.7	12-110	<30					
Acenaphthene	55	49	11.5	43-118	<30					
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	50	41	19.8	23-117	<30					
2-Chlorophenol (o-Chlorophenol)	86	85	1.2	27-113	<30					
1,4-Dichlorobenzene	73	74	1.4	36-105	<30					
2,4-Dinitrotoluene	103	115	11.0	24-120	<30					
N-Nitroso-Di-n-propylamine	58	60	3.4	41-116	<30					
4-Nitrophenol	16	19	17.1	10-133	<30					
Pentachlorophenol	33	27	20.0	9-118	<30					
Phenol	42	41	2.4	12-110	<30					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: 2011-006
Project Name: CCH

ASL Job Number	Submitted	Client
53150	04/06/2012	LNDENG

Method: 8270C, 1,4-Dioxane
QUALITY CONTROL REPORT

QC Batch No: 041312-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Pyrene	**104**	**101**	**2.9**	**26-127**	**<30**					
1,2,4-Trichlorobenzene	**52**	**50**	**3.9**	**39-98**	**<30**					

WELL GAUGING DATA

Project # 120406Ja.1 Date 4/6/12 Client Landmark Eng.

Site Sun Valley

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
4917A	0816	8					315.21	359.85		
4917B	1029	8					329.82	372.21		

LOW FLOW WELL MONITORING DATA SHEET

Project #: 120406JR-1	Client: Landmark Env.
Sampler: JR	Gauging Date: 4/6/12
Well I.D.: 4917 A	Well Diameter (in.): 2 3 4 6 (8)
Total Well Depth (ft.): 359.85	Depth to Water (ft.): 315.21
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI Pro Plus

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other

Start Purge Time: 0901 Flow Rate: 200 mL/min Pump Depth: 340'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
	Removed	1 system volume	= 2.5 L					
0917	22.5	6.66	1069	23	0.90	-50.5	3200	315.30
0920	22.9	6.66	1064	23	0.95	-53.3	3800	315.30
0923	22.7	6.67	1062	22	0.83	-58.9	4400	315.30
0926	22.6	6.67	1063	20	0.79	-62.6	5000	315.30
0929	22.7	6.67	1061	20	0.76	-64.3	5600	315.30

Did well dewater? Yes (No) Amount actually evacuated: 5.6 L

Sampling Time: 0930 Sampling Date: 4/6/12

Sample I.D.: 4917A Laboratory: American Scientific

Analyzed for: TPH-G BTEX MTBE TPH-D (Other) Su COC

Equipment Blank I.D.: Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 120406ja-1	Client: Landmark Eng.
Sampler: JA	Gauging Date: 4/6/12
Well I.D.: 4917B	Well Diameter (in.): 2 3 4 6 (8)
Total Well Depth (ft.): 372.21	Depth to Water (ft.): 329.82
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI Pro Plus

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other

Start Purge Time: 1050 Flow Rate: 200 mL/min Pump Depth: 356'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or uS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
	— Removed 1 system volume = 2.6 L					—		?
1106	21.4	6.67	1277	8	1.10	63.6	3200	329.91
1109	21.4	6.66	1280	7	1.10	69.9	3800	329.91
1112	21.3	6.66	1279	5	0.82	76.5	4400	329.91
1115	21.2	6.66	1276	5	0.74	82.0	5000	329.91
1118	21.3	6.66	1279	5	0.73	84.0	5600	329.91

Did well dewater? Yes (No)	Amount actually evacuated: 5.6 L
Sampling Time: 1119	Sampling Date: 4/6/12
Sample I.D.: 4917B	Laboratory: American Scientific
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# № **61613** GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# _____

Company: Lindmark Engineering		Report To:	
Address: 2625 Townsgate Rd	Project Name: CCH	Address:	
Westlake Village	Site Address: 11590 Tuxford Rd	Invoice To:	
Telephone: 310-463-7774 Fax:		Address:	
Special Instruction:	Project ID: 2011-006		
E-mail: dsmith@lindmarkeng.com	Project Manager:	P.O.#:	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation	VOCs by 8260B	Total dissol. Metals by 6020/7470A	Chromium VI by 7199	1,4-dioxane by 8270C	Perchlorate by 314 (2 µg/L detection limit)	1,2,3 TCP by 524M (0.005 µg/L detection limit)	NDMA by 1625	Archive					Remarks
		4917A	4/6/12	0930	11	2 Amber 3 Plastic 6 VOAs	Water	HCl VOAs none → Amber + Plastic	X	X	X	X	X	X	X						Plz filter for metals
		4917B	4/6/12	1119	11	2 Amber-plastic 3 6 VOAs	Water	VOAs – HCl Amber Plastic – none	X	X	X	X	X	X	X						Plz filter for metals
		Purge water	4/6/12	1200	4	3 Plastic 1 Amber	Water	None								X					

Collected By:		Date 4/6/12	Time 1200	Relinquished By:	Date Time
Relinquished By:		Date 4/6/12	Time 1345	Received For Laboratory Janet Chin	Date 4-6-12 Time 13:45
Received By:		Date	Time	Condition of Sample:	

TAT ☒ Normal ☐ Rush

White - *Report*, **Yellow** - *Laboratory*, **Pink** - *Client*

WELLHEAD INSPECTION CHECKLIST

Client Landmark Eng. Date 9/6/12

Site Address Sun Valley

Job Number 120406JR-1 Technician JR

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
4917A	X	X	X							
4917B	X	X	X							

NOTES:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME Lindmark Eng @ Sun Valley				PROJECT NUMBER 120406JN1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI 550 Plus	10F100481	4/6/12 0800	pH 7, 10, 4 cond 3900	6.97, 9.85, 4.07 3701	7.00, 10.00, 4.00 3900	14.9°C	JN
			DO 10.04 sat ORP 244.2	10.01 213.1	10.04 244.2	15.5°C	JN

APPENDIX D

Borescope Data

Well Analysis Summary

Well Name: 4917A-345
Depth: 345
Mag. Dec.: +13.00
Date: Oct 13, 2011
Time: 13:33:31 - 14:32:49
Data Points: 194

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
245.54	245.01	36.67	308.00	23.48

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	221.64	218.00	87.83	467.61	60.42
ft/day:	62.97	61.93	24.95	132.84	17.16
ft/day / 2:	31.48	30.97	12.48	66.42	8.58
ft/day / 3:	20.99	20.64	8.32	44.28	5.72
ft/day / 4:	15.74	15.48	6.24	33.21	4.29

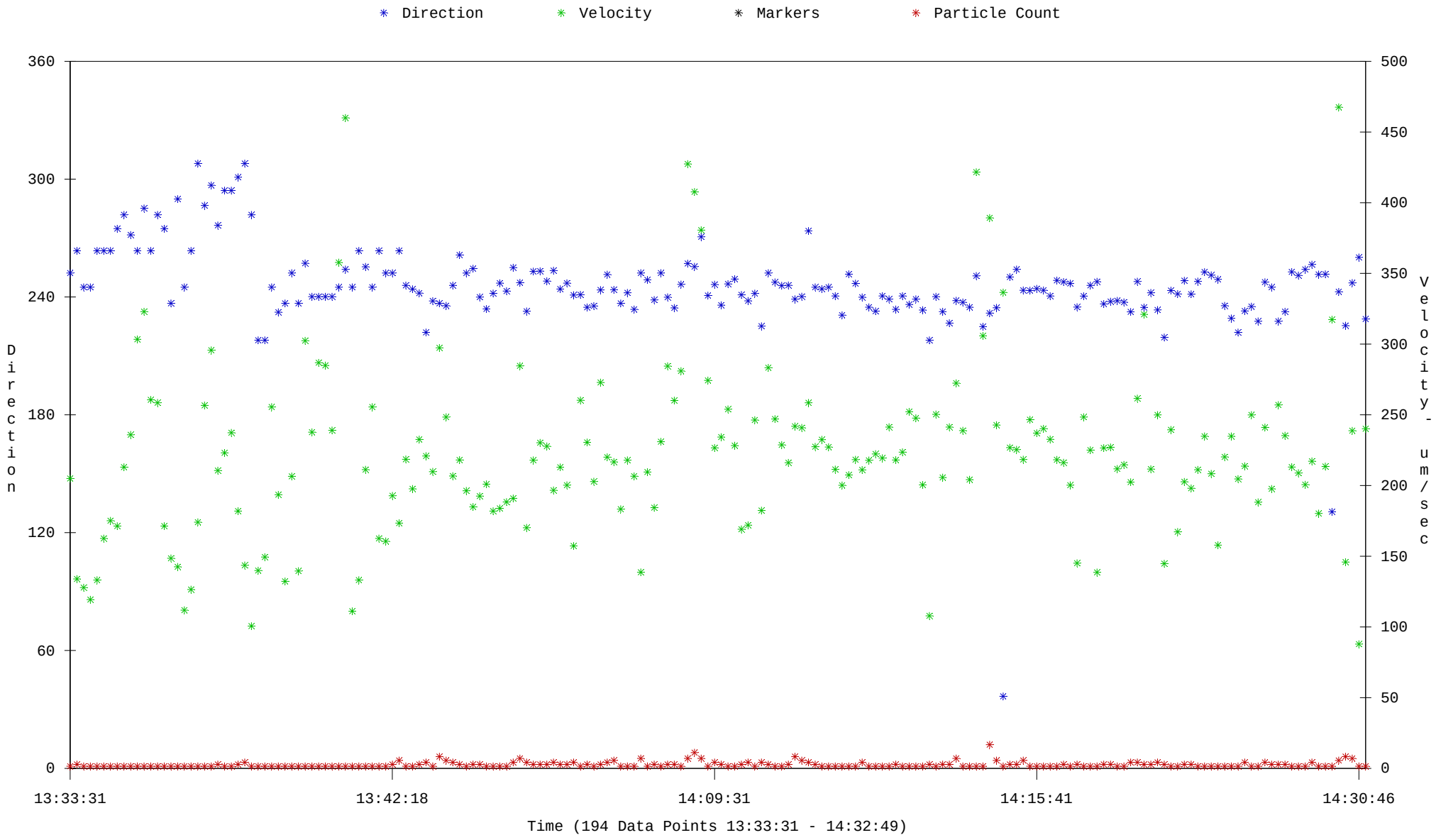
Velocity Vector:

Azimuth: 246.81

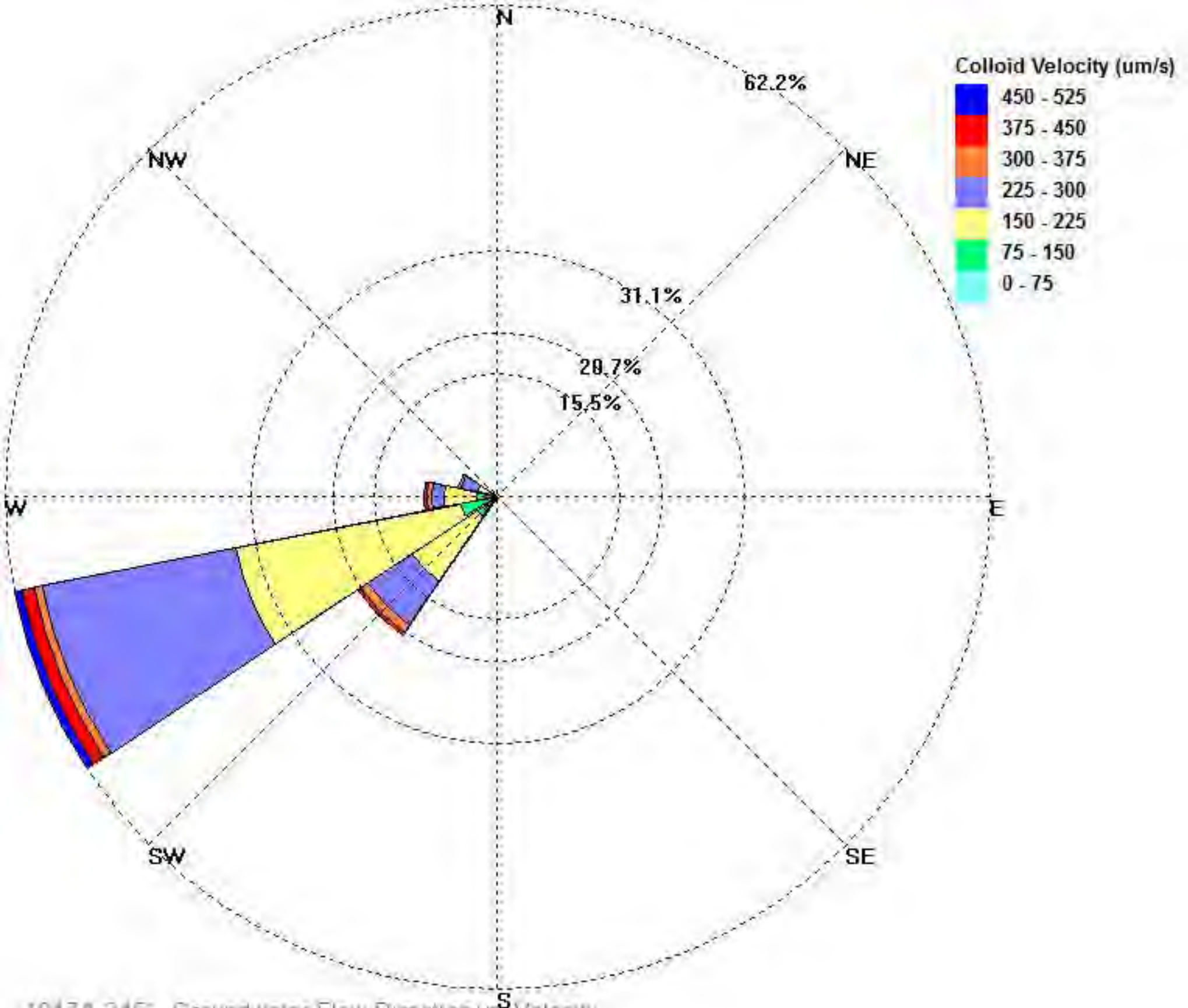
Actual Velocity

um/sec:	208.29
ft/day:	59.17
ft/day / 2:	29.59
ft/day / 3:	19.72
ft/day / 4:	14.79

4917A-345
Date: Oct 13, 2011 - Depth 345



Avg. Dir: 246.81 - Avg.Vel: 208.29
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917A\4917A-345.aqv



4917A-345 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917A-339
Depth: 339
Mag. Dec.: +13.00
Date: Oct 13, 2011
Time: 15:53:00 - 16:08:43
Data Points: 109

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
112.62	50.15	5.28	348.86	108.42

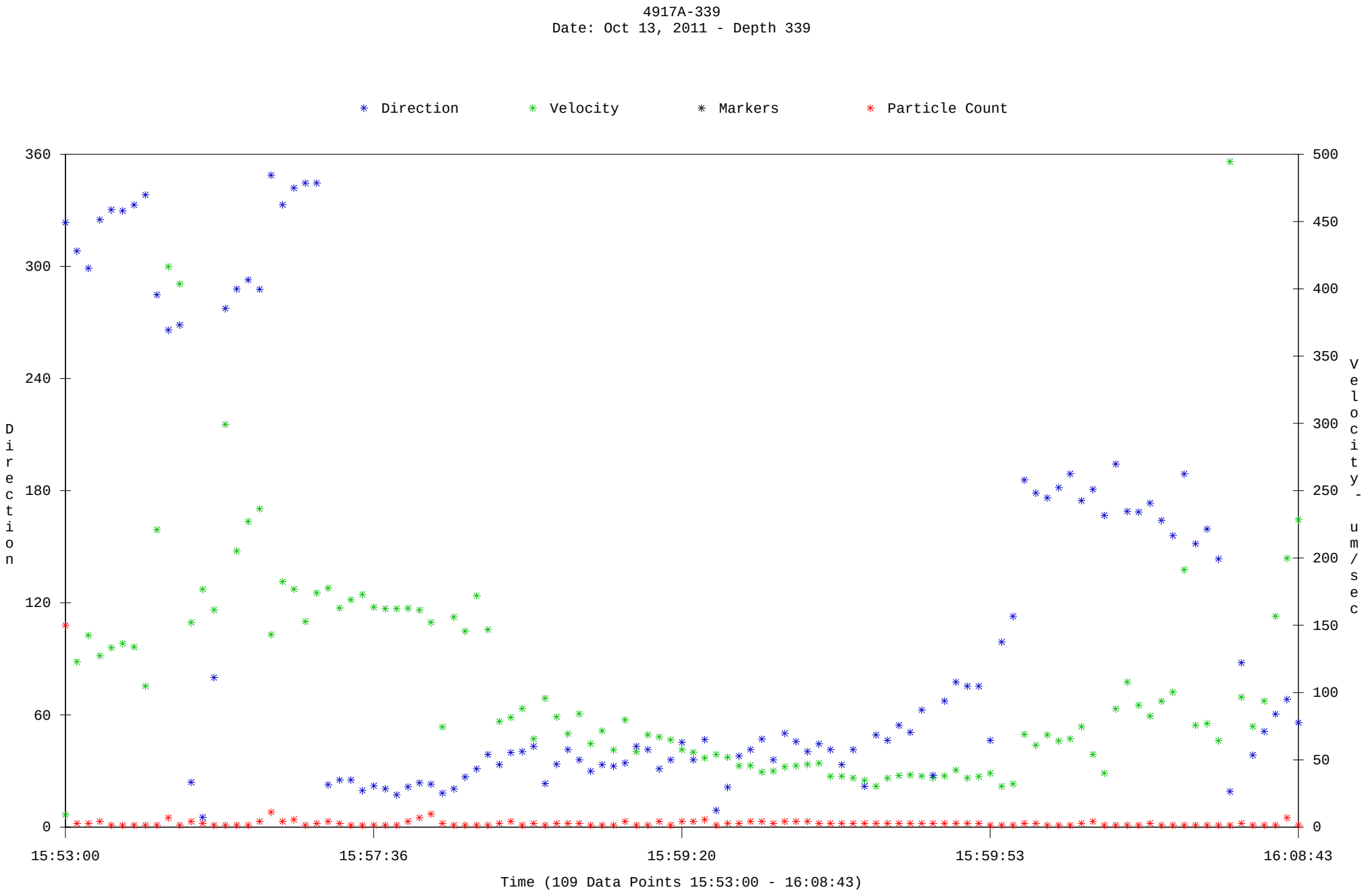
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	108.41	81.51	9.15	494.59	81.11
ft/day:	30.80	23.16	2.60	140.51	23.04
ft/day / 2:	15.40	11.58	1.30	70.25	11.52
ft/day / 3:	10.27	7.72	0.87	46.84	7.68
ft/day / 4:	7.70	5.79	0.65	35.13	5.76

Velocity Vector:

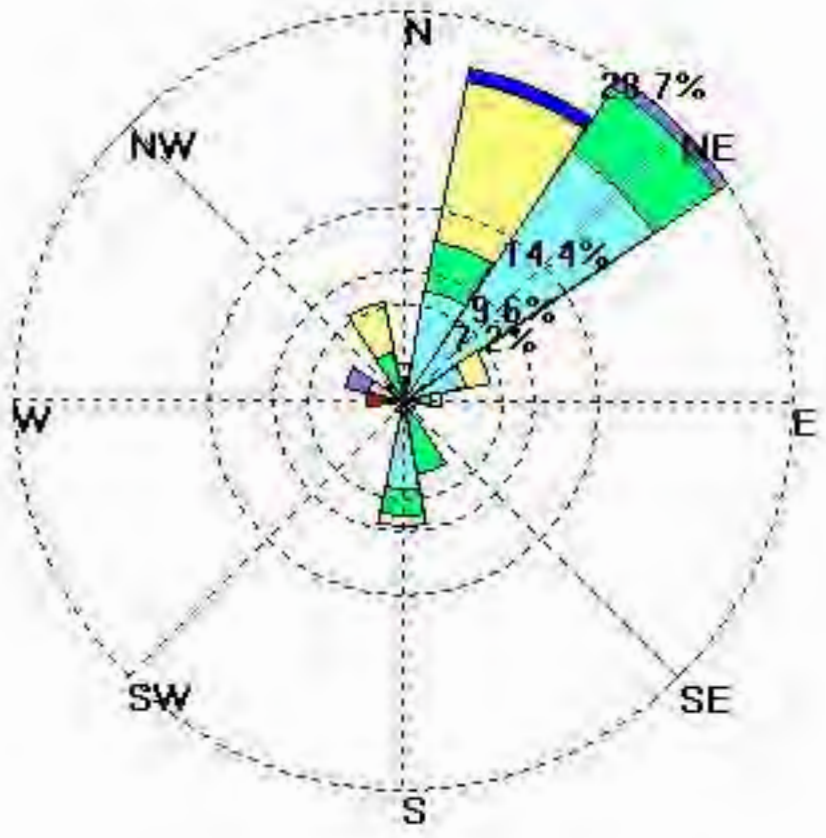
Azimuth:	35.52

Actual Velocity

um/sec:	50.86
ft/day:	14.45
ft/day / 2:	7.22
ft/day / 3:	4.82
ft/day / 4:	3.61



Avg. Dir: 35.52 - Avg.Vel: 50.86
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917A\4917A-339.aqv



Colloid Velocity (um/s)

- 450 - 525
- 375 - 450
- 300 - 375
- 225 - 300
- 150 - 225
- 75 - 150
- 0 - 75

4917A-339 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917a--340
Depth: 340
Mag. Dec.: +13.00
Date: Oct 13, 2011
Time: 10:57:49 - 11:25:25
Data Points: 328

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	138.73	88.00	0.02	358.21	103.93

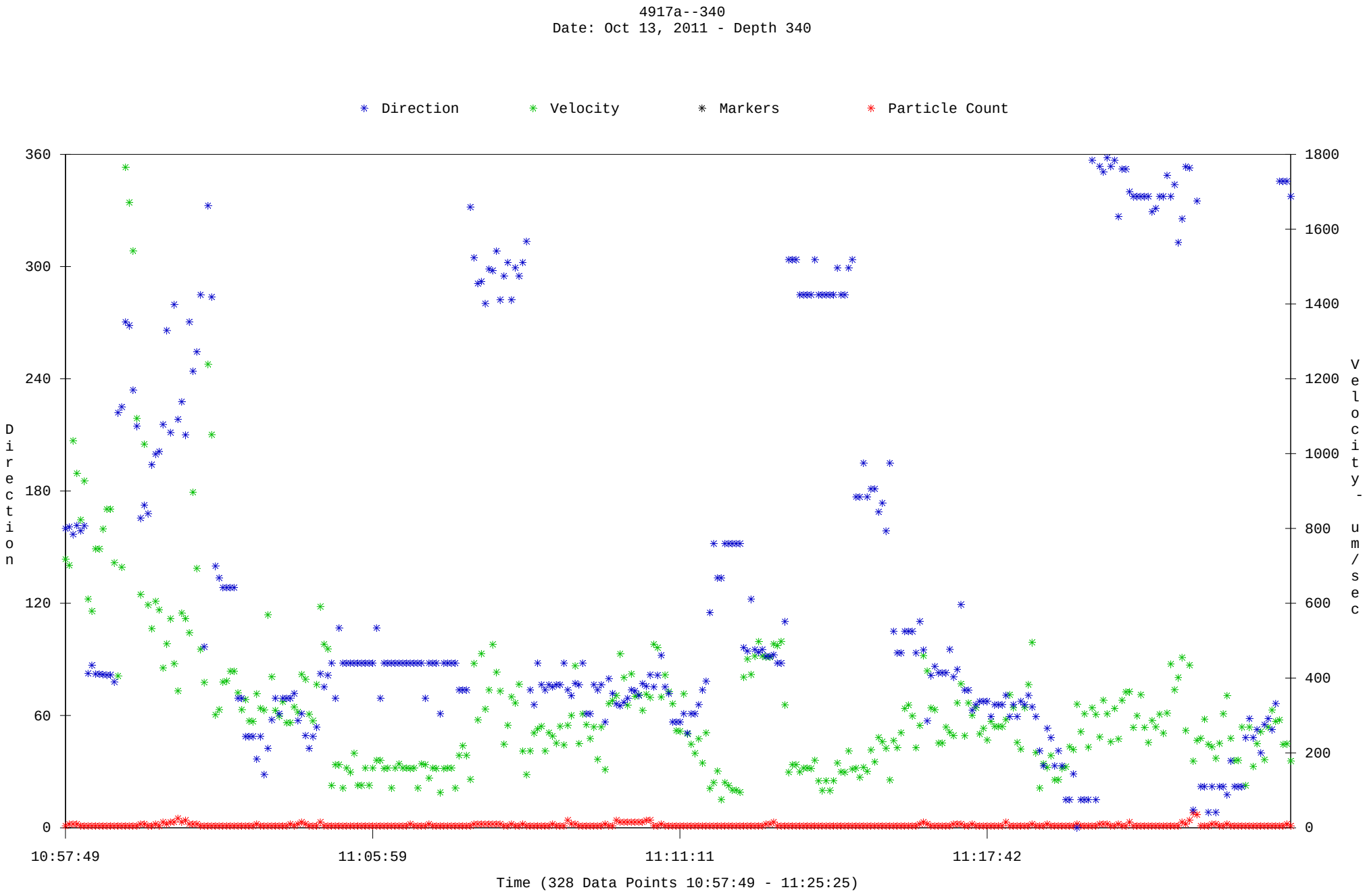
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	327.00	273.99	75.37	1765.63	224.37
ft/day:	92.90	77.84	21.41	501.60	63.74
ft/day / 2:	46.45	38.92	10.71	250.80	31.87
ft/day / 3:	30.97	25.95	7.14	167.20	21.25
ft/day / 4:	23.22	19.46	5.35	125.40	15.94

Velocity Vector:

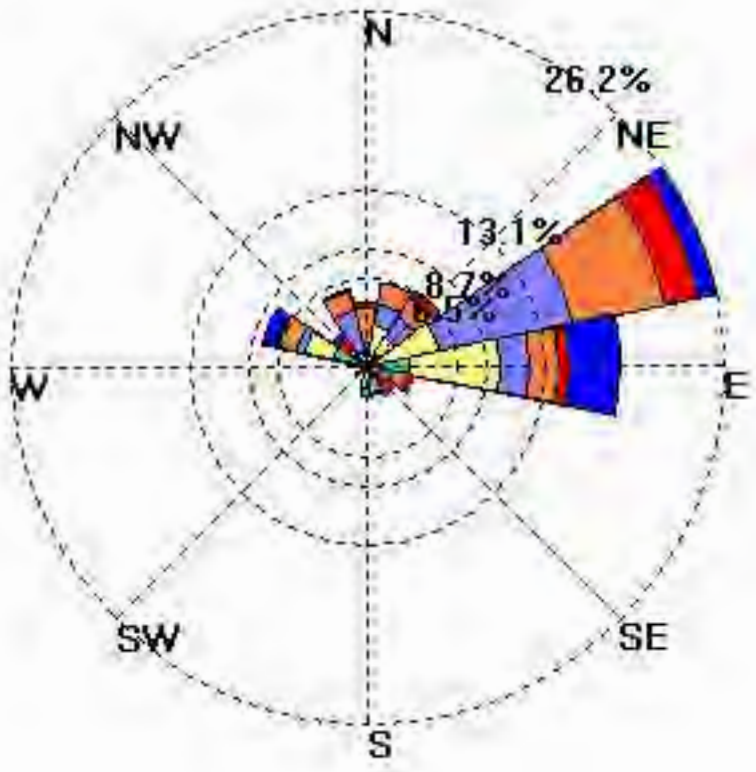
Azimuth:	61.76

Actual Velocity

um/sec:	113.19
ft/day:	32.16
ft/day / 2:	16.08
ft/day / 3:	10.72
ft/day / 4:	8.04



Avg. Dir: 61.76 - Avg.Vel: 113.19
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917A\4917a--340.aqv



4917A-340 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917A-341
Depth: 341
Mag. Dec.: +13.00
Date: Oct 13, 2011
Time: 11:30:15 - 11:47:03
Data Points: 77

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
89.27	70.85	1.57	352.20	89.33

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	311.08	286.62	106.46	497.90	100.14
ft/day:	88.37	81.43	30.25	141.45	28.45
ft/day / 2:	44.19	40.71	15.12	70.72	14.22
ft/day / 3:	29.46	27.14	10.08	47.15	9.48
ft/day / 4:	22.09	20.36	7.56	35.36	7.11

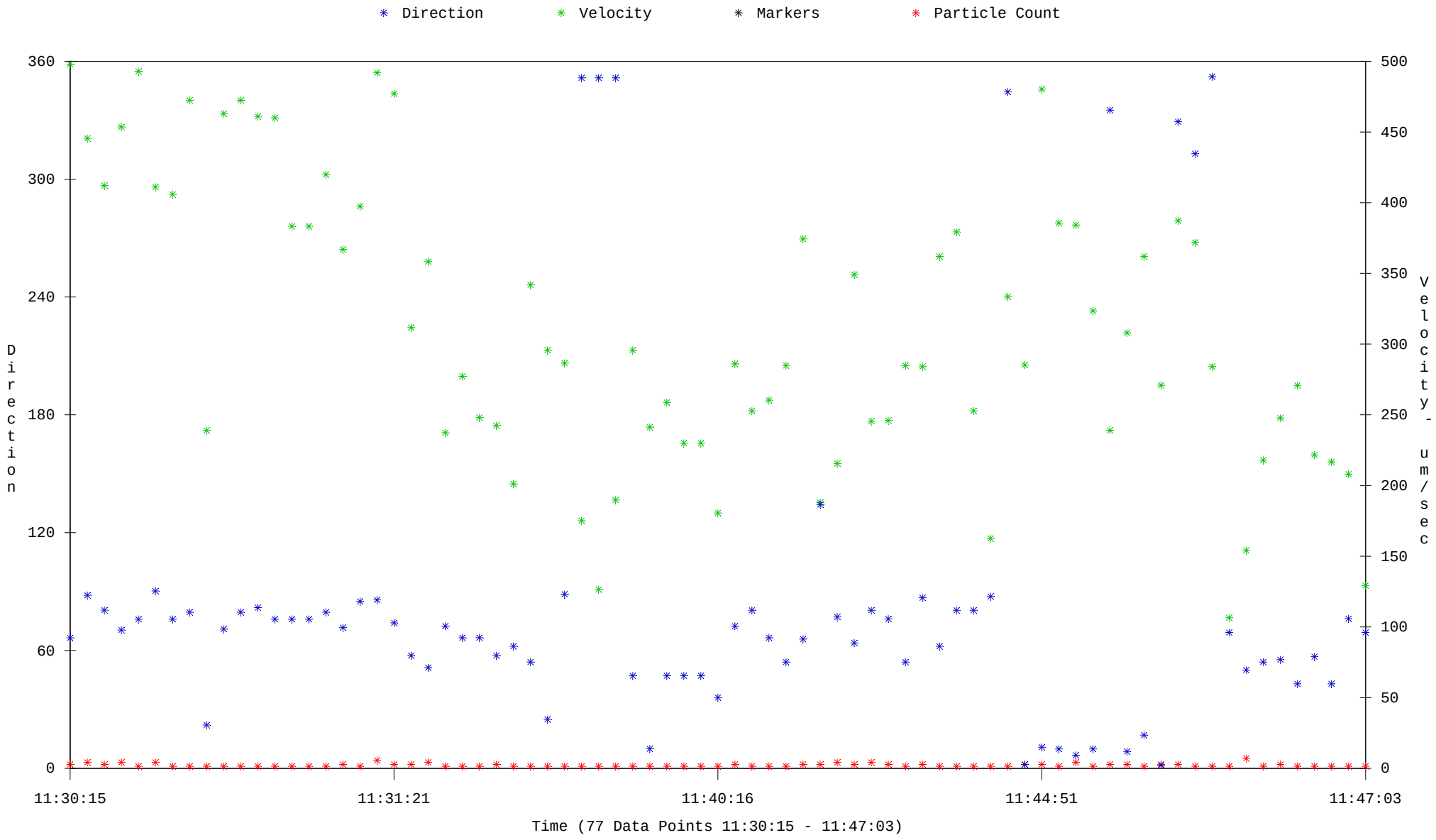
Velocity Vector:

Azimuth:	53.80

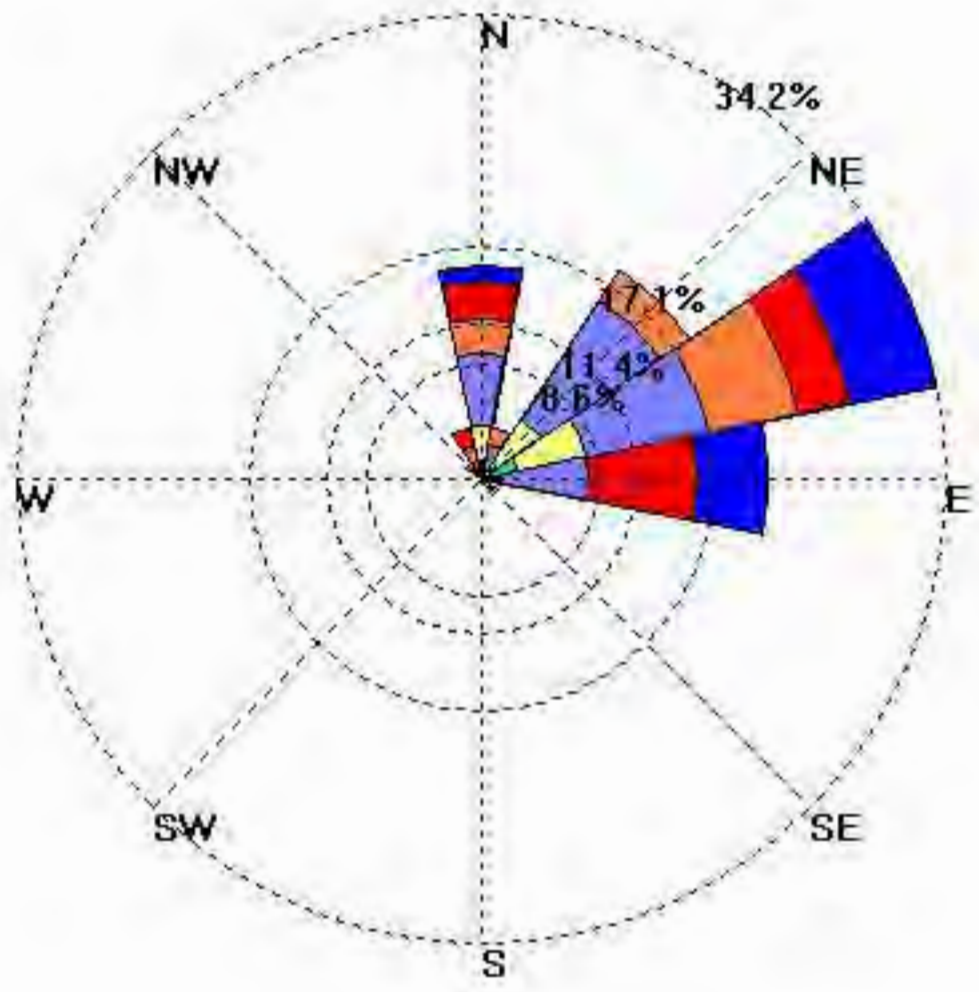
Actual Velocity

um/sec:	260.46
ft/day:	74.00
ft/day / 2:	37.00
ft/day / 3:	24.67
ft/day / 4:	18.50

4917A-341
Date: Oct 13, 2011 - Depth 341



Avg. Dir: 53.80 - Avg.Vel: 260.46
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917A\4917A-341.aqv



4917A-341 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917A-342
Depth: 342
Mag. Dec.: +13.00
Date: Oct 13, 2011
Time: 11:58:01 - 12:27:25
Data Points: 333

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
141.17	138.03	9.56	356.01	69.91

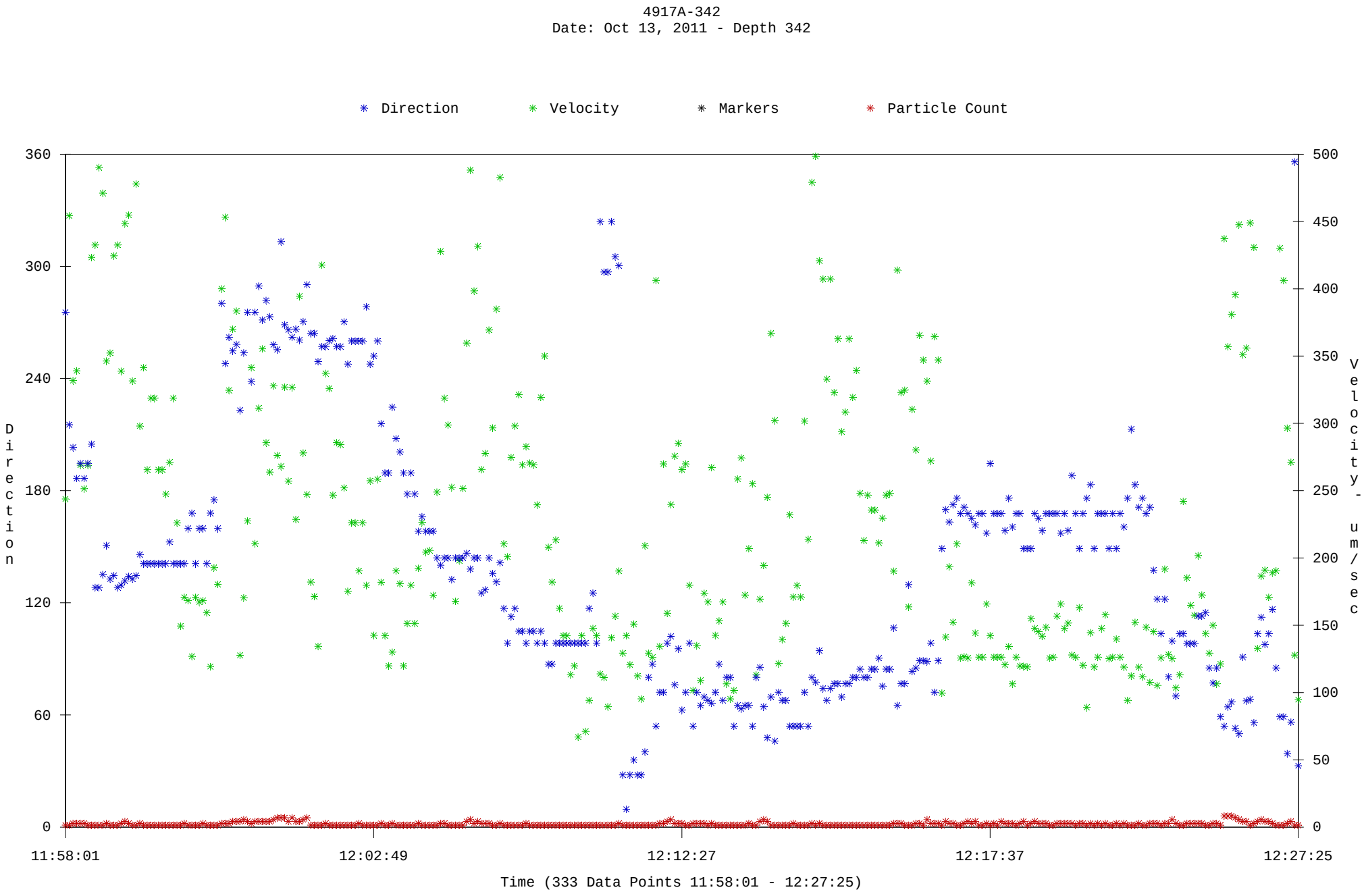
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	228.74	200.83	66.94	498.56	103.56
ft/day:	64.98	57.05	19.02	141.64	29.42
ft/day / 2:	32.49	28.53	9.51	70.82	14.71
ft/day / 3:	21.66	19.02	6.34	47.21	9.81
ft/day / 4:	16.25	14.26	4.75	35.41	7.35

Velocity Vector:

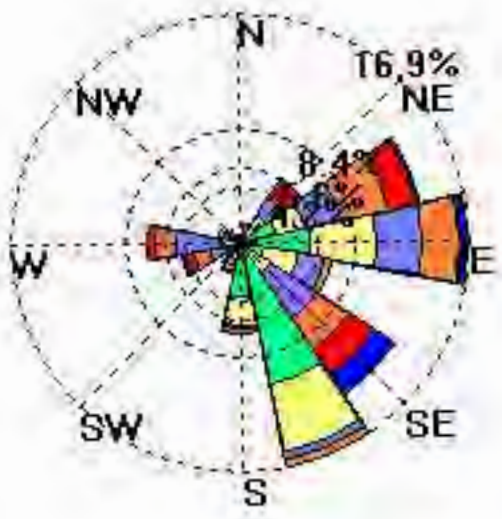
Azimuth: 125.23

Actual Velocity

um/sec:	107.81
ft/day:	30.63
ft/day / 2:	15.31
ft/day / 3:	10.21
ft/day / 4:	7.66



Avg. Dir: 125.23 - Avg.Vel: 107.81
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917A\4917A-342.aqv



4917A-342 – Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917A-343
Depth: 343
Mag. Dec.: +13.00
Date: Oct 13, 2011
Time: 12:33:54 - 12:54:43
Data Points: 140

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
210.65	255.00	1.24	359.30	117.14

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	248.17	243.52	63.23	498.94	111.49
ft/day:	70.50	69.18	17.96	141.75	31.67
ft/day / 2:	35.25	34.59	8.98	70.87	15.84
ft/day / 3:	23.50	23.06	5.99	47.25	10.56
ft/day / 4:	17.63	17.30	4.49	35.44	7.92

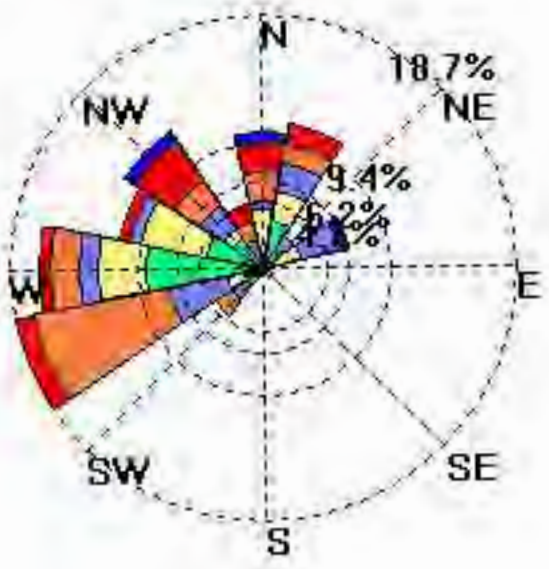
Velocity Vector:

Azimuth: 307.05

Actual Velocity

um/sec:	128.16
ft/day:	36.41
ft/day / 2:	18.20
ft/day / 3:	12.14
ft/day / 4:	9.10

Avg. Dir: 307.05 - Avg.Vel: 128.16
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917A\4917A-343.aqv



4917A-343 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917A-344
Depth: 344
Mag. Dec.: +13.00
Date: Oct 13, 2011
Time: 12:58:38 - 13:19:13
Data Points: 115

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
159.72	159.12	43.00	334.42	68.98

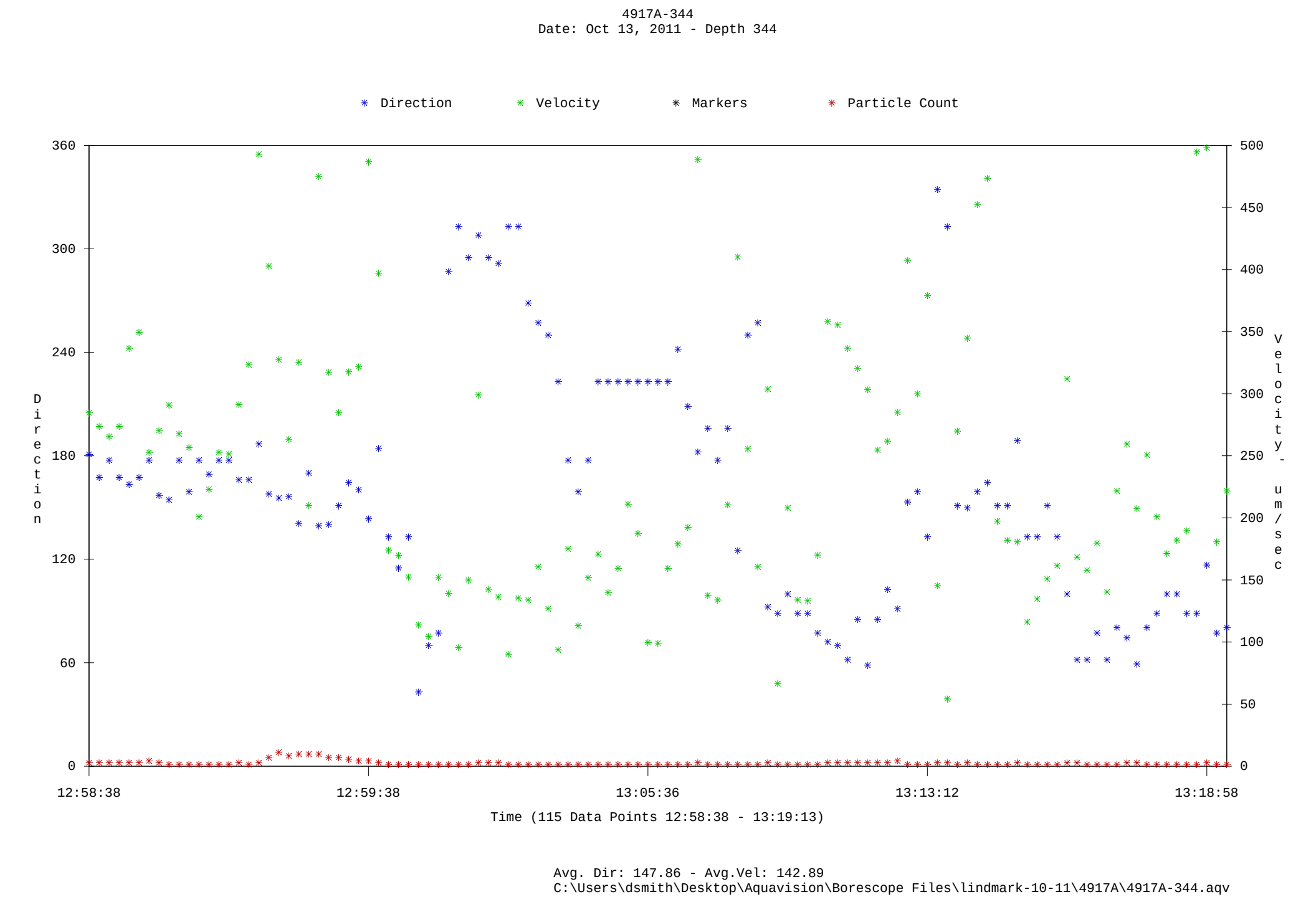
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	236.27	210.46	54.17	498.20	105.90
ft/day:	67.12	59.79	15.39	141.53	30.08
ft/day / 2:	33.56	29.89	7.69	70.77	15.04
ft/day / 3:	22.37	19.93	5.13	47.18	10.03
ft/day / 4:	16.78	14.95	3.85	35.38	7.52

Velocity Vector:

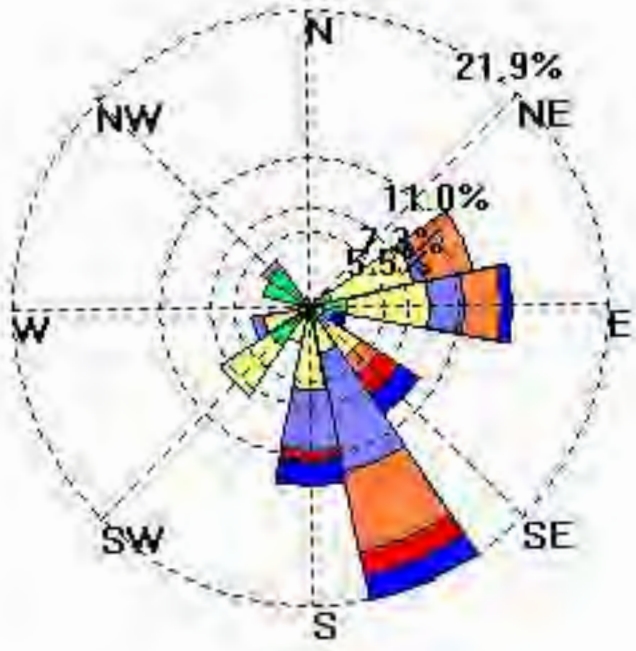
Azimuth: 147.86

Actual Velocity

um/sec:	142.89
ft/day:	40.59
ft/day / 2:	20.30
ft/day / 3:	13.53
ft/day / 4:	10.15



Avg. Dir: 147.86 - Avg.Vel: 142.89
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917A\4917A-344.aqv



Colloid Velocity (um/s)

- 450 - 525
- 375 - 450
- 300 - 375
- 225 - 300
- 150 - 225
- 75 - 150
- 0 - 75

4917A-344 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917A-346
Depth: 346
Mag. Dec.: +13.00
Date: Oct 13, 2011
Time: 15:35:19 - 15:48:49
Data Points: 87

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
169.36	172.56	7.09	349.72	95.67

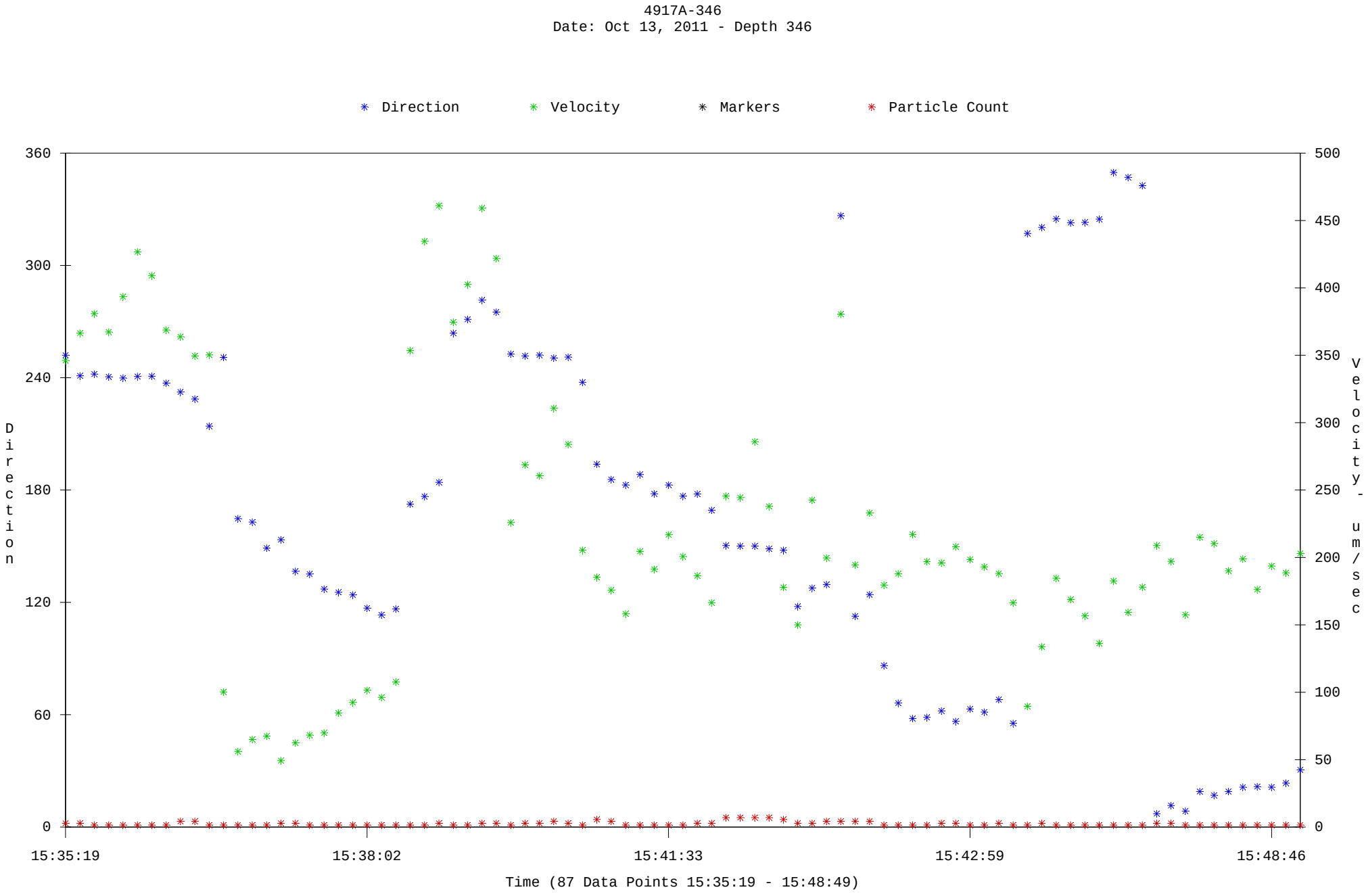
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	222.33	198.40	49.20	461.08	104.28
ft/day:	63.16	56.36	13.98	130.99	29.63
ft/day / 2:	31.58	28.18	6.99	65.49	14.81
ft/day / 3:	21.05	18.79	4.66	43.66	9.88
ft/day / 4:	15.79	14.09	3.49	32.75	7.41

Velocity Vector:

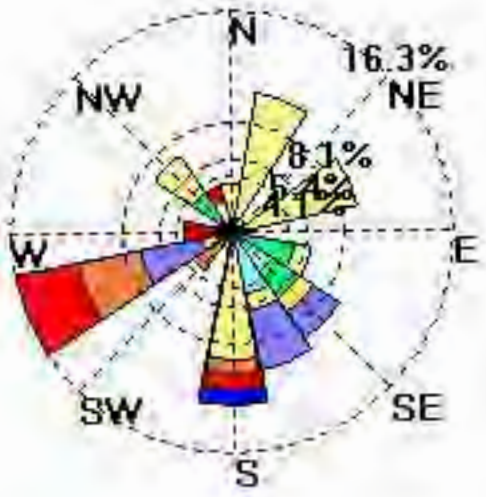
Azimuth: 168.83

Actual Velocity

um/sec:	51.83
ft/day:	14.72
ft/day / 2:	7.36
ft/day / 3:	4.91
ft/day / 4:	3.68



Avg. Dir: 168.83 - Avg.Vel: 51.83
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917A\4917A-346.aqv



Colloid Velocity (um/s)

- 450 - 525
- 375 - 450
- 300 - 375
- 225 - 300
- 150 - 225
- 75 - 150
- 0 - 75

4917A-340 – Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917a-347
Depth: 347
Mag. Dec.: +13.00
Date: Oct 13, 2011
Time: 14:37:46 - 14:57:52
Data Points: 83

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
201.22	204.07	52.30	352.44	70.29

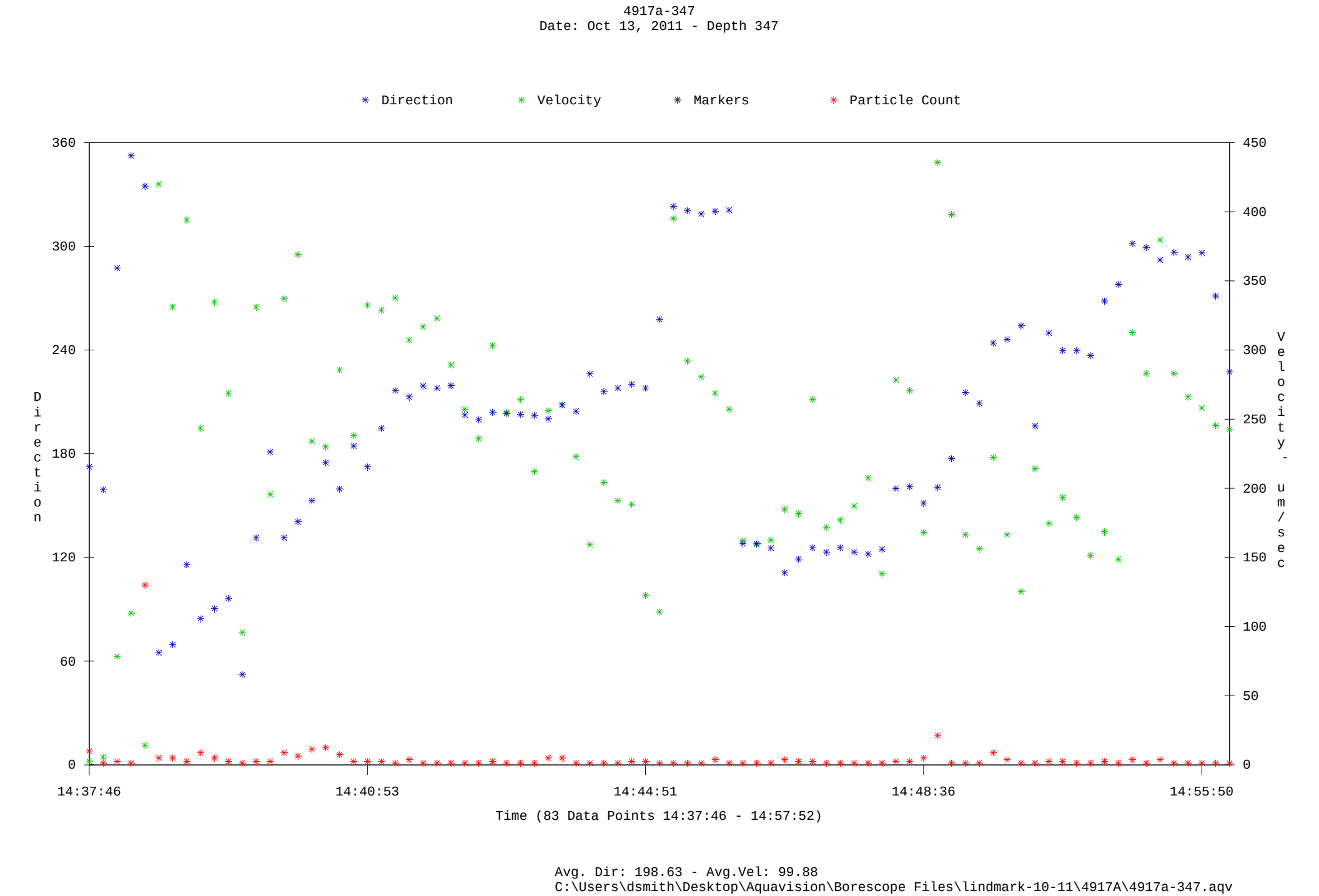
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	233.48	242.59	2.66	435.64	90.09
ft/day:	66.33	68.92	0.75	123.76	25.59
ft/day / 2:	33.17	34.46	0.38	61.88	12.80
ft/day / 3:	22.11	22.97	0.25	41.25	8.53
ft/day / 4:	16.58	17.23	0.19	30.94	6.40

Velocity Vector:

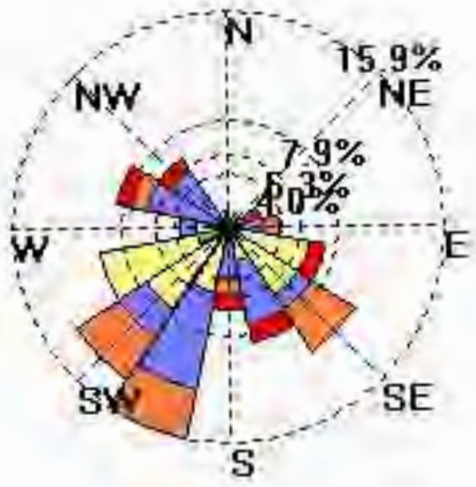
Azimuth: 198.63

Actual Velocity

um/sec:	99.88
ft/day:	28.37
ft/day / 2:	14.19
ft/day / 3:	9.46
ft/day / 4:	7.09



Avg. Dir: 198.63 - Avg.Vel: 99.88
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917A\4917a-347.aqv



Colloid Velocity (um/s)

- 450 - 525
- 375 - 450
- 300 - 375
- 225 - 300
- 150 - 225
- 75 - 150
- 0 - 75

4917A-347 – Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917a-349
Depth: 349
Mag. Dec.: +13.00
Date: Oct 13, 2011
Time: 14:59:06 - 15:29:01
Data Points: 98

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
240.08	244.45	26.68	335.99	59.50

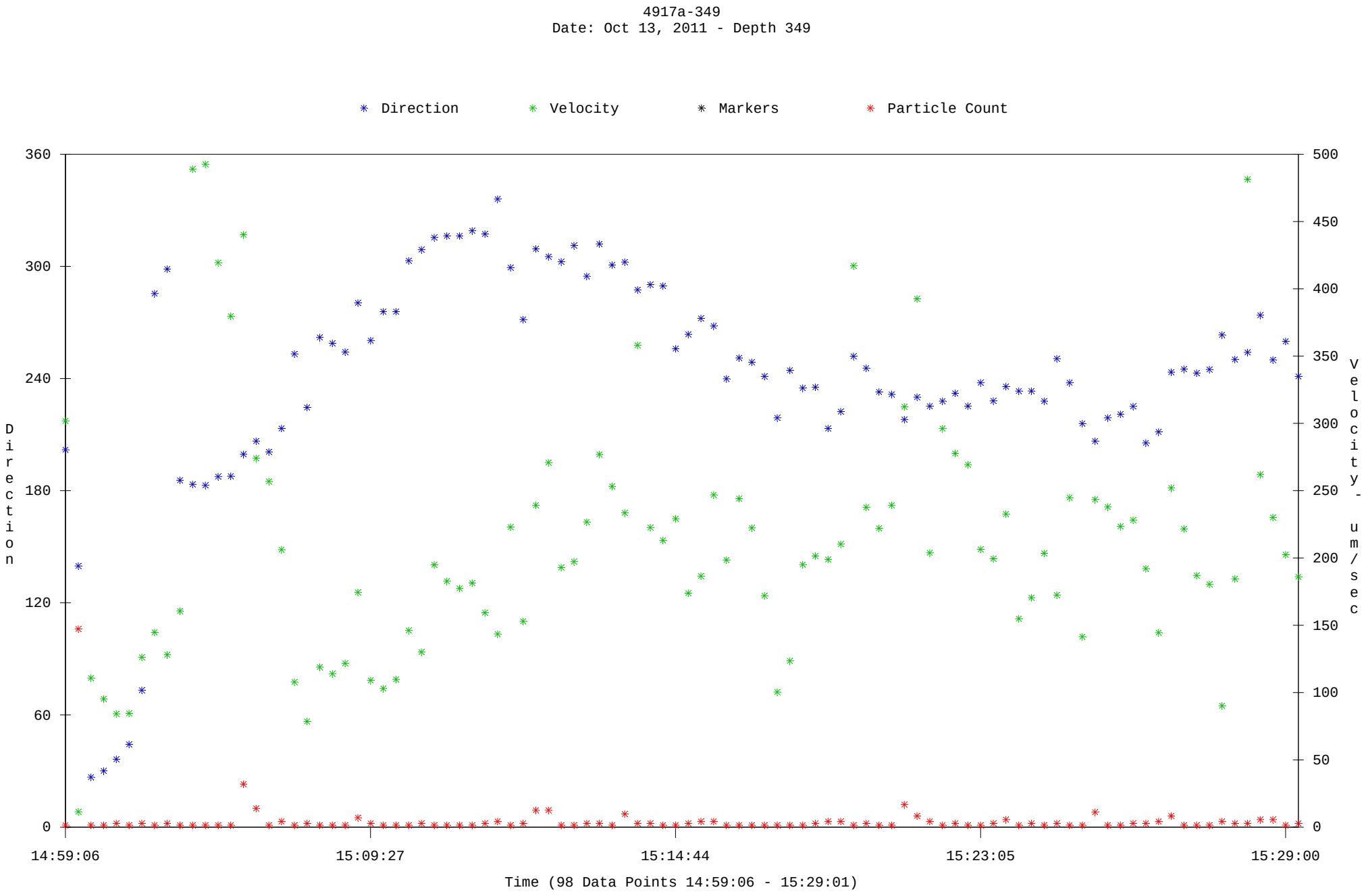
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	210.85	201.46	11.41	492.62	90.50
ft/day:	59.90	57.23	3.24	139.95	25.71
ft/day / 2:	29.95	28.62	1.62	69.97	12.86
ft/day / 3:	19.97	19.08	1.08	46.65	8.57
ft/day / 4:	14.97	14.31	0.81	34.99	6.43

Velocity Vector:

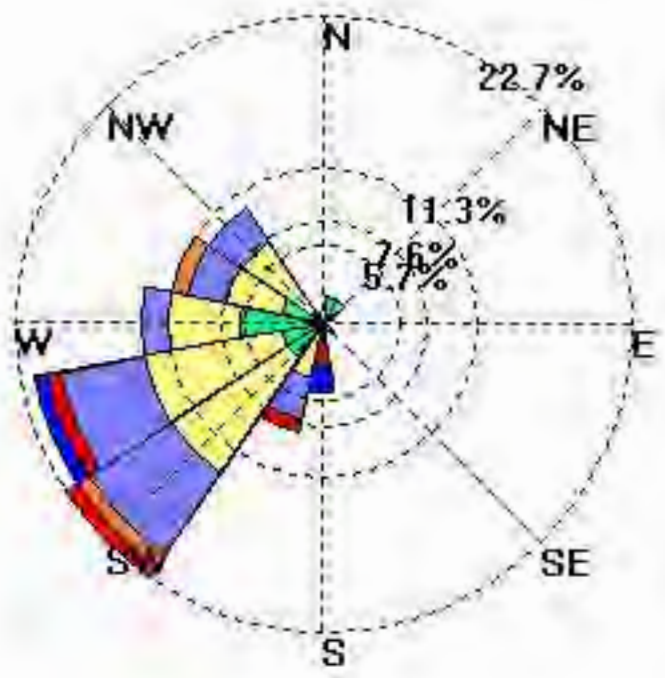
Azimuth: 252.30

Actual Velocity

um/sec:	158.26
ft/day:	44.96
ft/day / 2:	22.48
ft/day / 3:	14.99
ft/day / 4:	11.24



Avg. Dir: 252.30 - Avg.Vel: 158.26
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917A\4917a-349.aqv



4917A-349 – Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-340
Depth: 340
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 13:55:25 - 13:59:33
Data Points: 633

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	123.61	116.86	31.18	345.18	33.82

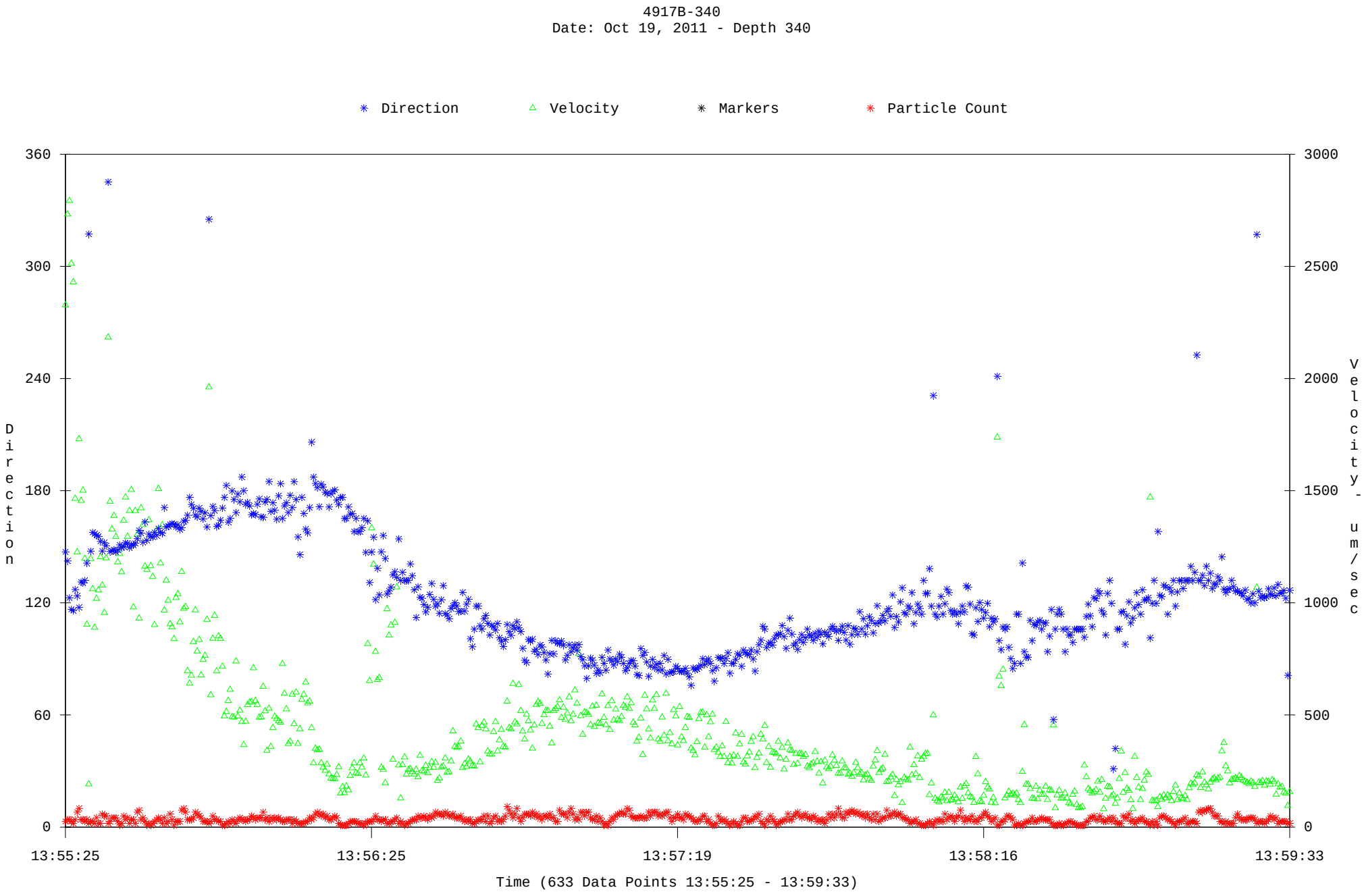
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	441.10	320.81	81.03	2793.05	379.15
ft/day:	125.31	91.14	23.02	793.48	107.71
ft/day / 2:	62.66	45.57	11.51	396.74	53.86
ft/day / 3:	41.77	30.38	7.67	264.49	35.90
ft/day / 4:	31.33	22.78	5.75	198.37	26.93

Velocity Vector:

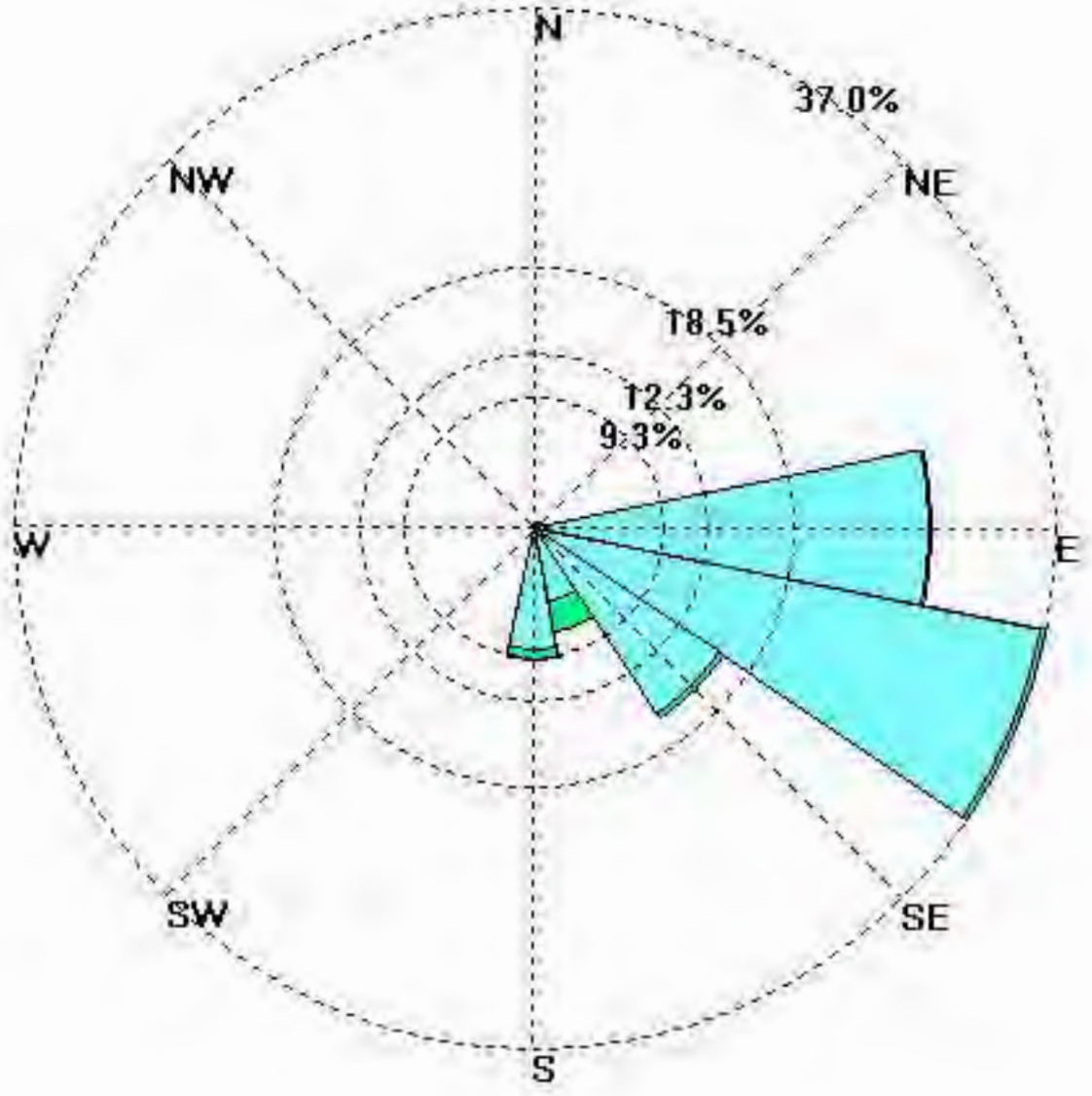
Azimuth: 121.19

Actual Velocity

um/sec:	361.77
ft/day:	102.78
ft/day / 2:	51.39
ft/day / 3:	34.26
ft/day / 4:	25.69



Avg. Dir: 121.19 - Avg.Vel: 361.77
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-340.aqv



Colloid Velocity (um/s)

- 4200 - 4980
- 3500 - 4200
- 2800 - 3500
- 2100 - 2800
- 1400 - 2100
- 700 - 1400
- 0 - 700

49178-340 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-340
Depth: 340
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 14:00:54 - 14:07:04
Data Points: 428

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
143.33	117.11	1.85	359.93	92.42

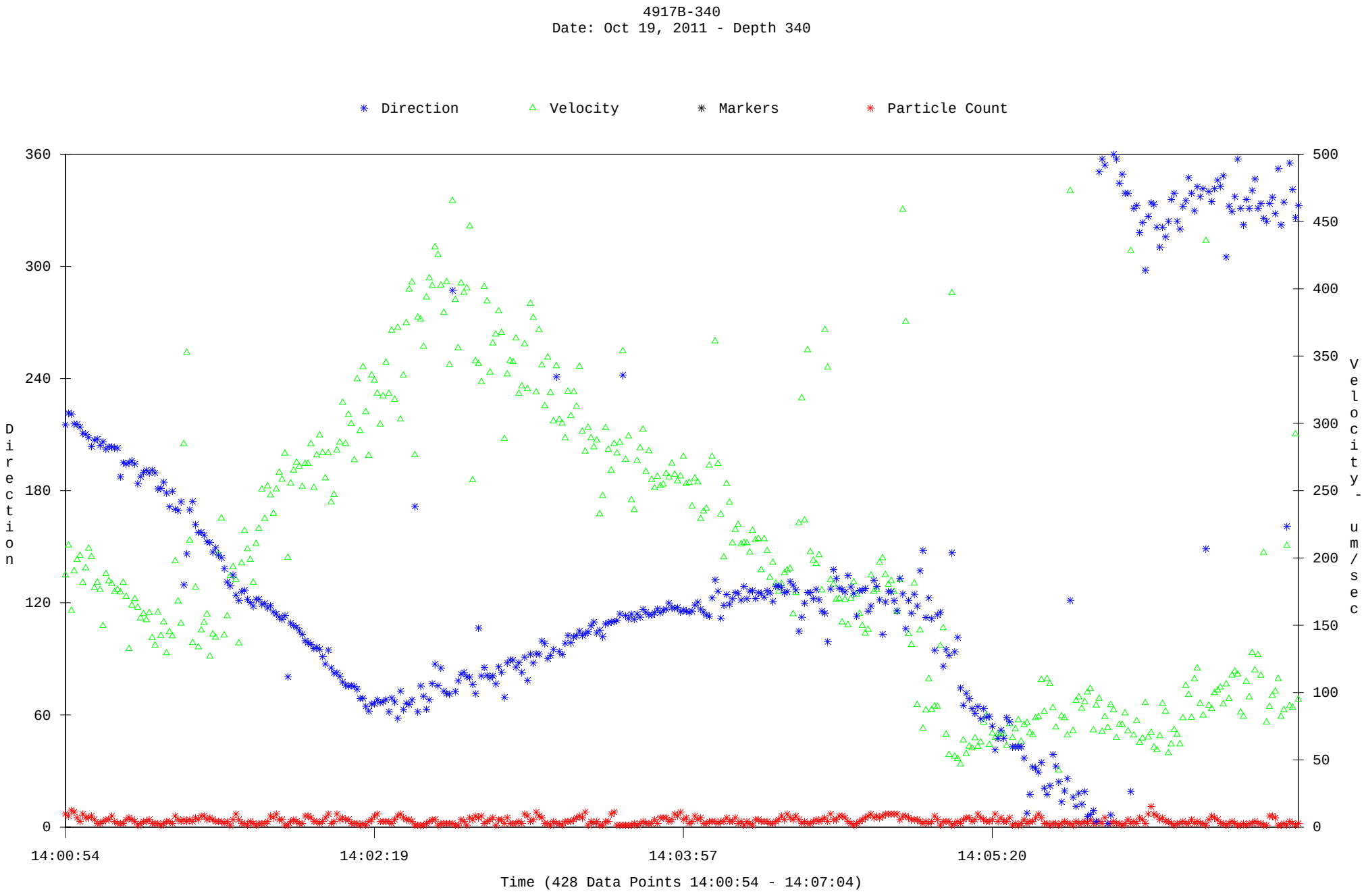
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	205.75	195.62	42.08	472.89	104.38
ft/day:	58.45	55.57	11.96	134.34	29.65
ft/day / 2:	29.23	27.79	5.98	67.17	14.83
ft/day / 3:	19.48	18.52	3.99	44.78	9.88
ft/day / 4:	14.61	13.89	2.99	33.59	7.41

Velocity Vector:

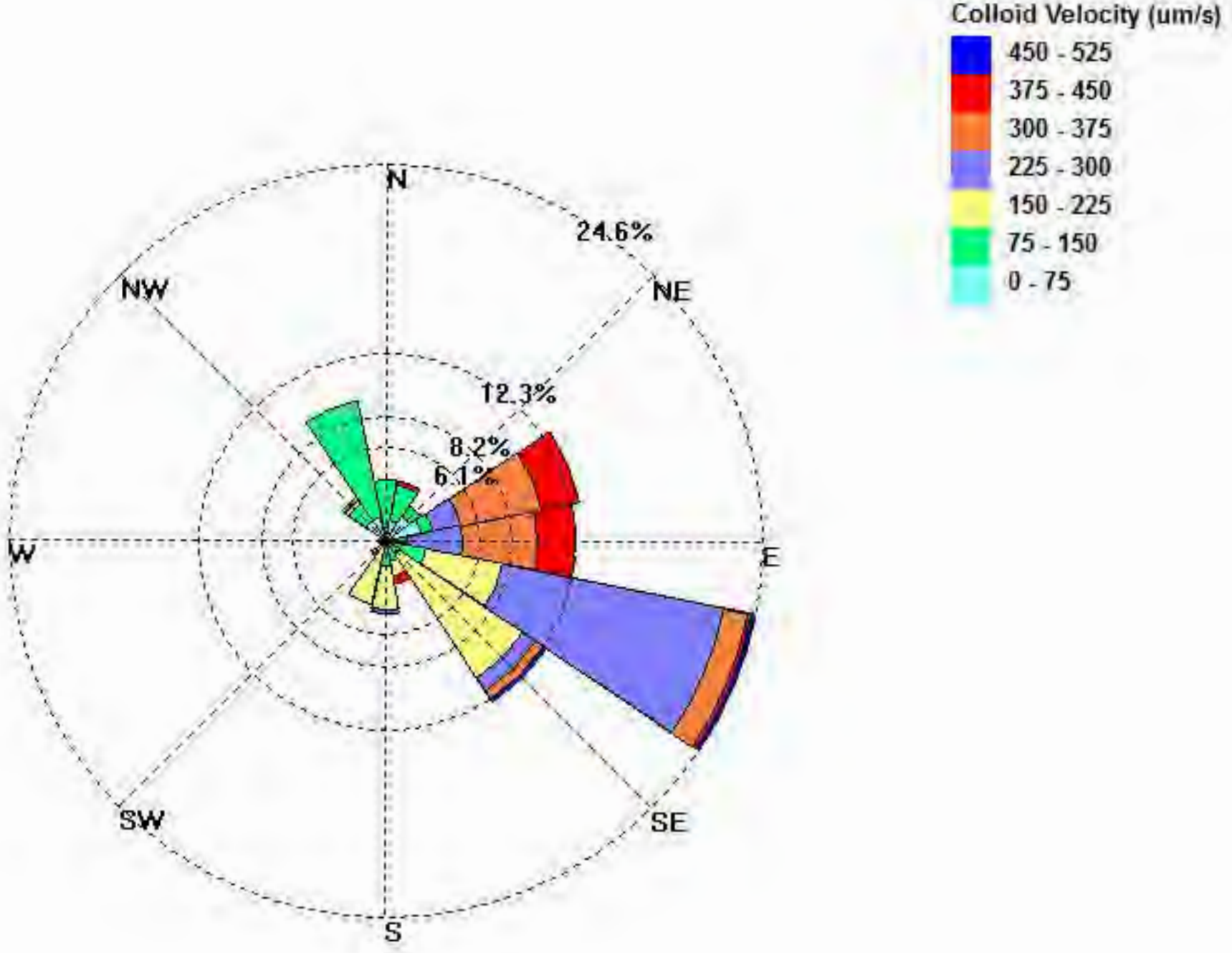
Azimuth:	94.82

Actual Velocity

um/sec:	139.92
ft/day:	39.75
ft/day / 2:	19.88
ft/day / 3:	13.25
ft/day / 4:	9.94



Avg. Dir: 94.82 - Avg.Vel: 139.92
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-340 cont.aqv



49178340 Cont - Groundwater Flow Direction vs Velocity

Well Analysis Summary

Well Name: 4917B-345
Depth: 345
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 13:38:06 - 13:53:24
Data Points: 2388

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	164.12	198.23	0.21	359.94	130.87

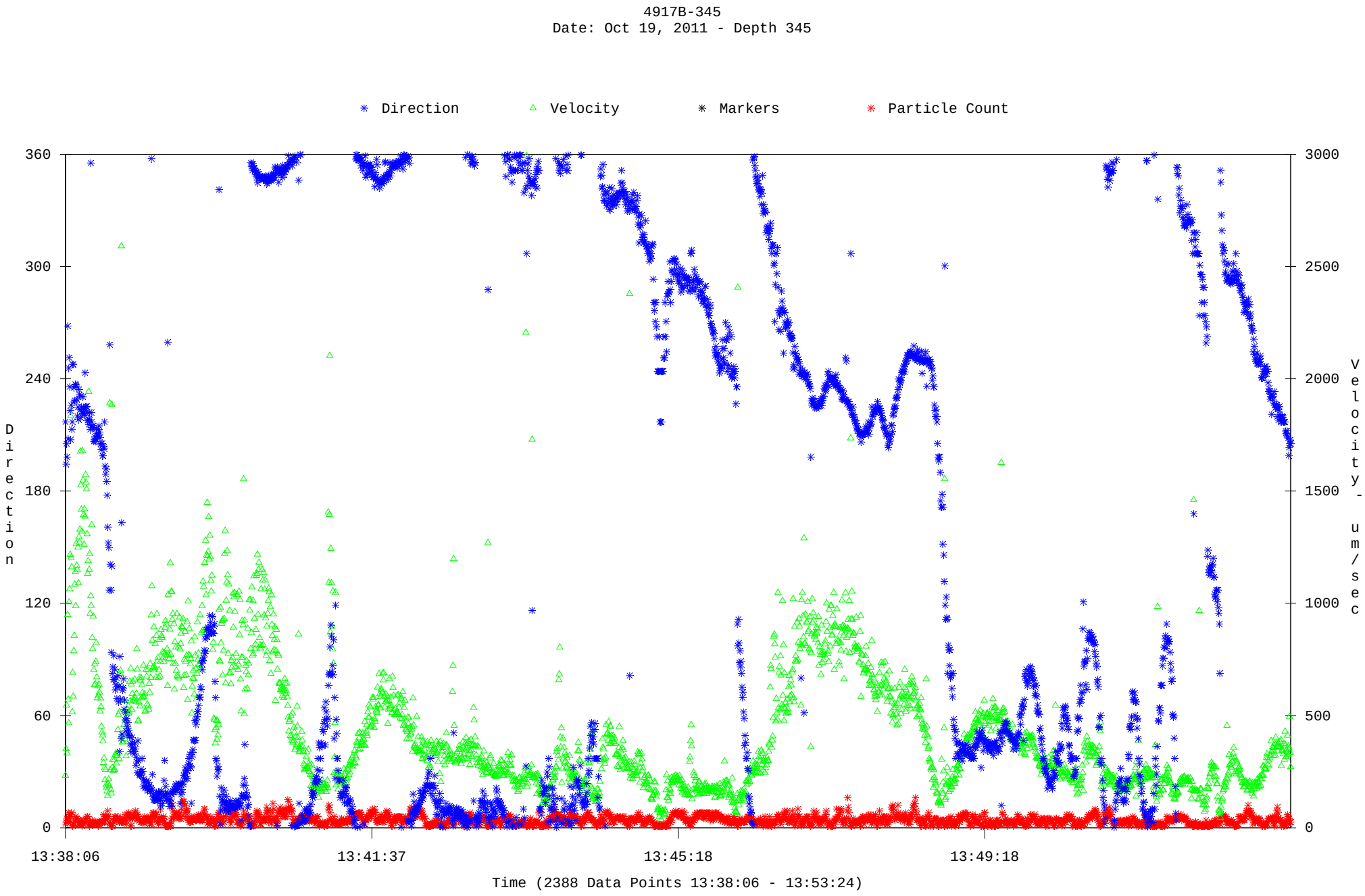
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	442.58	339.22	34.65	2993.42	307.24
ft/day:	125.73	96.37	9.84	850.40	87.28
ft/day / 2:	62.87	48.18	4.92	425.20	43.64
ft/day / 3:	41.91	32.12	3.28	283.47	29.09
ft/day / 4:	31.43	24.09	2.46	212.60	21.82

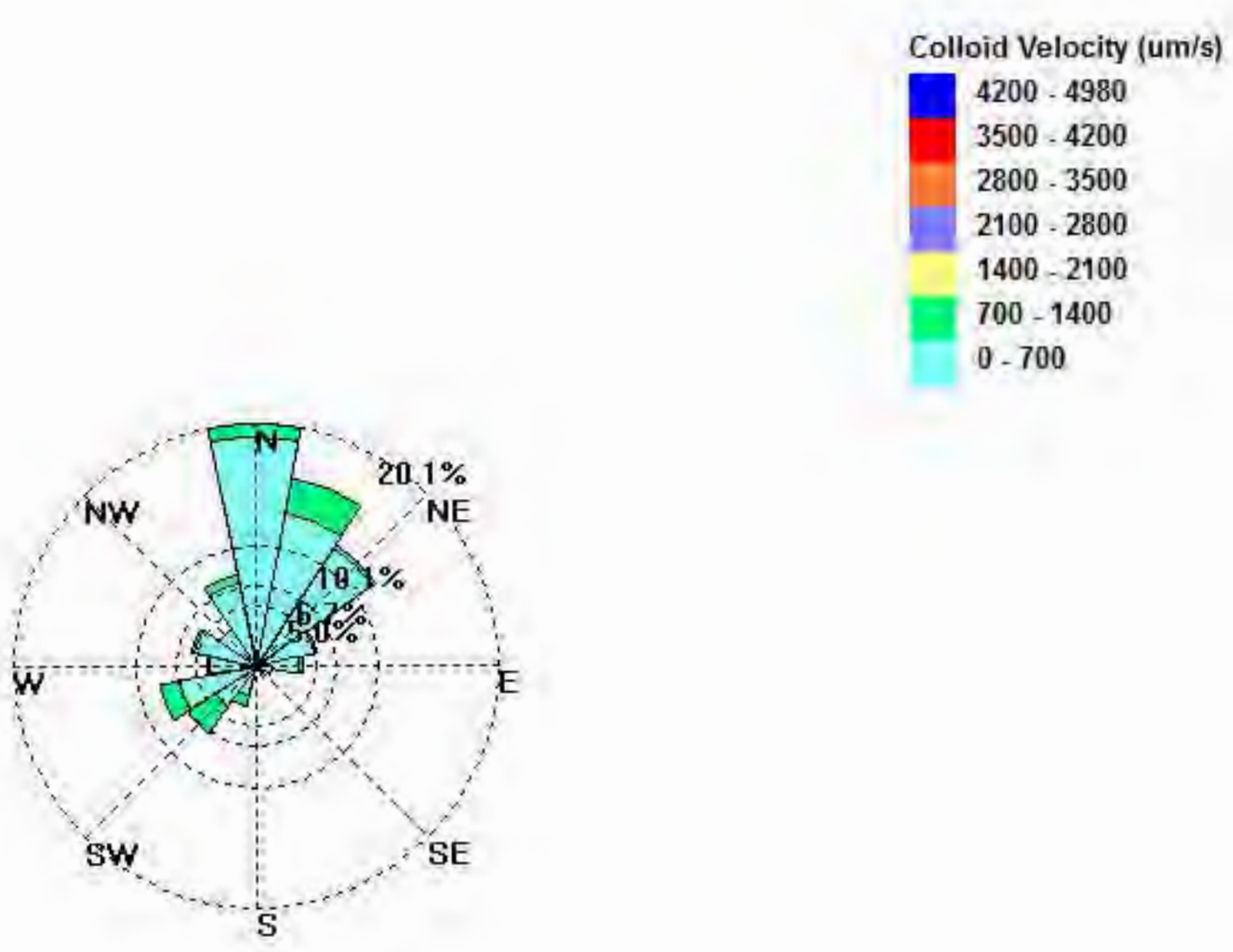
Velocity Vector:

Azimuth: 353.71

Actual Velocity

um/sec:	145.39
ft/day:	41.30
ft/day / 2:	20.65
ft/day / 3:	13.77
ft/day / 4:	10.33


4917B-345
Date: Oct 19, 2011 - Depth 345
Direction
Velocity
Markers
Particle Count
360
300
240
180
120
60
0
Direction
3000
2500
2000
1500
1000
500
0
Velocity - um/sec
13:38:06
13:41:37
13:45:18
13:49:18
Time (2388 Data Points 13:38:06 - 13:53:24)
Avg. Dir: 353.71 - Avg.Vel: 145.39
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-345.aqv



49178-045 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-347
Depth: 347
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 16:05:05 - 16:17:38
Data Points: 752

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
155.09	132.95	0.36	359.57	101.67

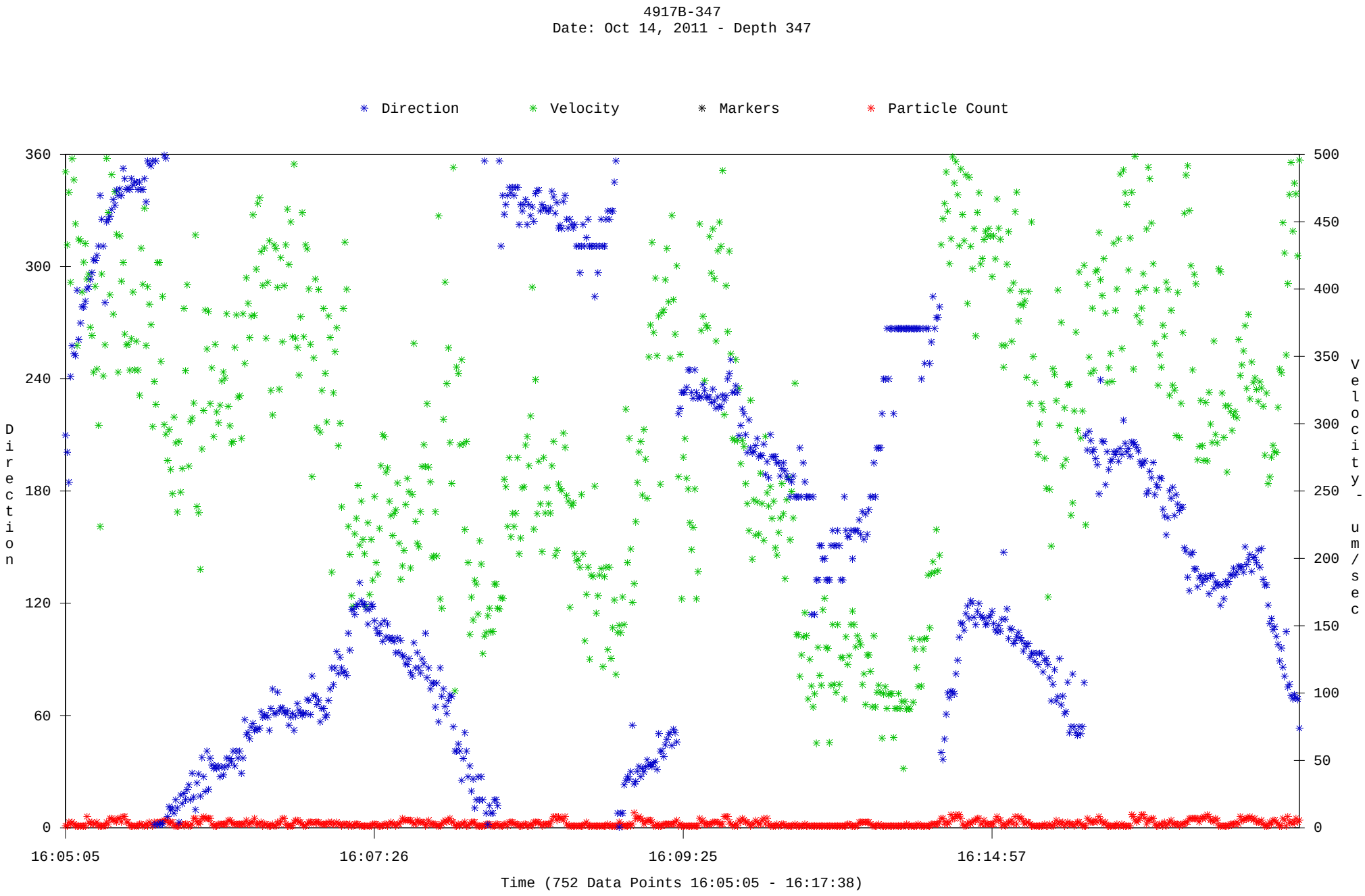
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	298.49	304.28	44.03	498.56	108.69
ft/day:	84.80	86.44	12.51	141.64	30.88
ft/day / 2:	42.40	43.22	6.25	70.82	15.44
ft/day / 3:	28.27	28.81	4.17	47.21	10.29
ft/day / 4:	21.20	21.61	3.13	35.41	7.72

Velocity Vector:

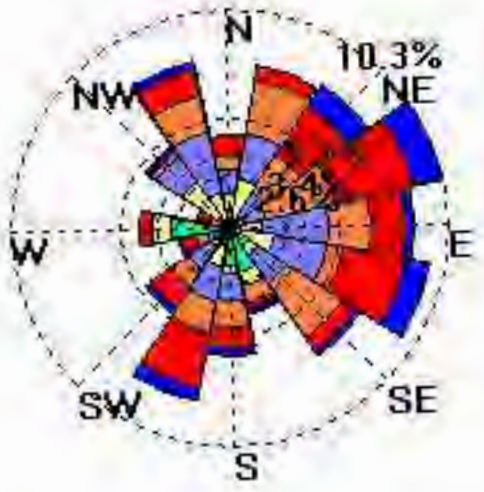
Azimuth:	84.82

Actual Velocity

um/sec:	82.08
ft/day:	23.32
ft/day / 2:	11.66
ft/day / 3:	7.77
ft/day / 4:	5.83



Avg. Dir: 84.82 - Avg.Vel: 82.08
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917b-347.aqv



49178-347 – Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-348
Depth: 348
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 15:45:40 - 16:00:23
Data Points: 771

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	159.52	145.64	0.90	359.54	105.69

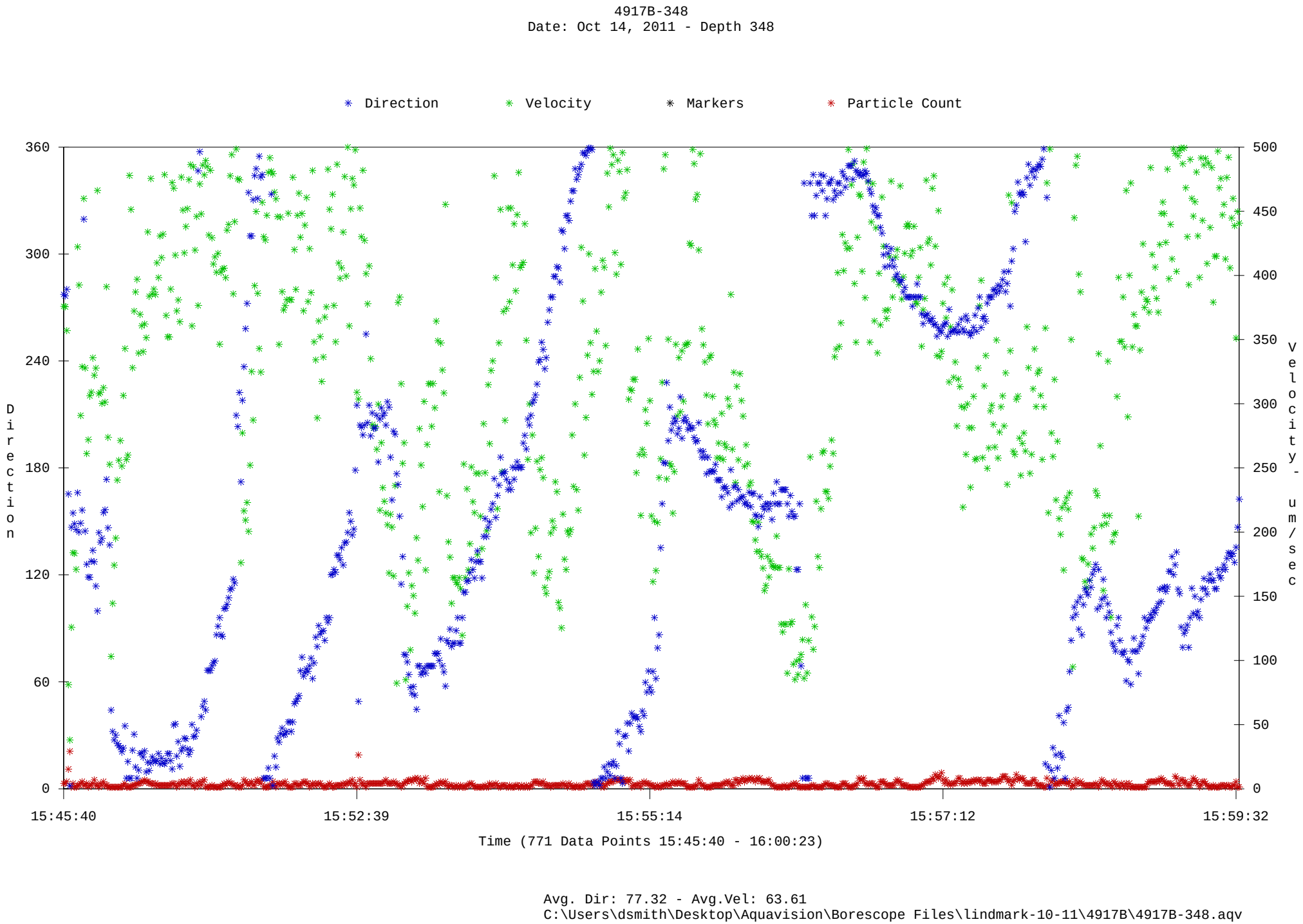
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	329.75	341.23	38.07	499.93	107.69
ft/day:	93.68	96.94	10.81	142.03	30.59
ft/day / 2:	46.84	48.47	5.41	71.01	15.30
ft/day / 3:	31.23	32.31	3.60	47.34	10.20
ft/day / 4:	23.42	24.24	2.70	35.51	7.65

Velocity Vector:

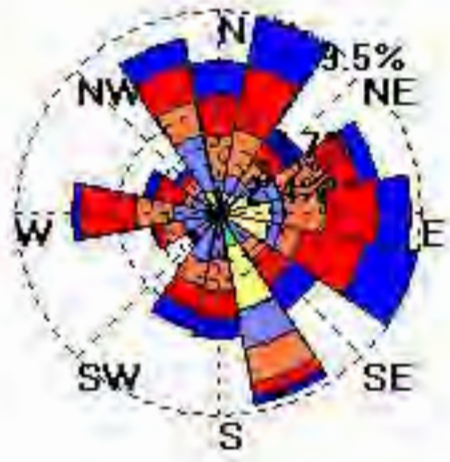
Azimuth: 77.32

Actual Velocity

um/sec:	63.61
ft/day:	18.07
ft/day / 2:	9.04
ft/day / 3:	6.02
ft/day / 4:	4.52



Avg. Dir: 77.32 - Avg.Vel: 63.61
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-348.aqv



Colloid Velocity (um/s)

- 450 - 525
- 375 - 450
- 300 - 375
- 225 - 300
- 150 - 225
- 75 - 150
- 0 - 75

49178-346 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-349
Depth: 349
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 15:27:44 - 15:42:41
Data Points: 237

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
167.34	165.78	0.42	359.30	95.05

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	317.07	336.41	46.13	499.95	120.75
ft/day:	90.08	95.57	13.11	142.03	34.30
ft/day / 2:	45.04	47.79	6.55	71.02	17.15
ft/day / 3:	30.03	31.86	4.37	47.34	11.43
ft/day / 4:	22.52	23.89	3.28	35.51	8.58

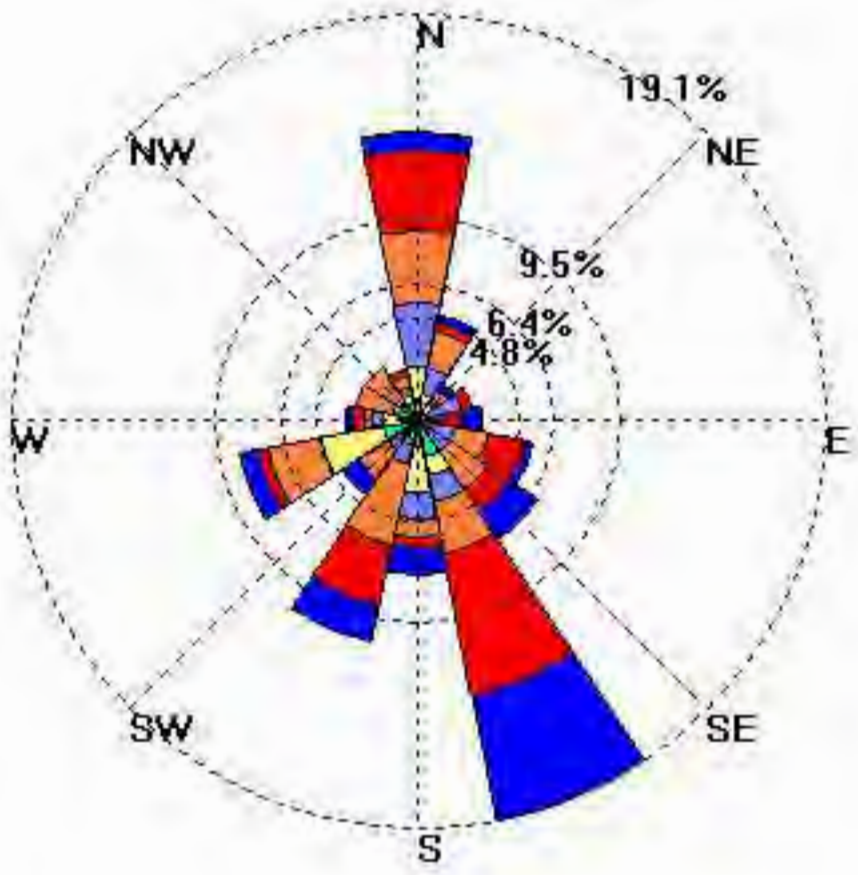
Velocity Vector:

Azimuth: 176.23

Actual Velocity

um/sec:	85.64
ft/day:	24.33
ft/day / 2:	12.16
ft/day / 3:	8.11
ft/day / 4:	6.08

4917B-349
Date: Oct 14, 2011 - Depth 349
Direction
Velocity
Markers
Particle Count
360
300
240
180
120
60
0
Direction
500
450
400
350
300
250
200
150
100
50
0
Velocity - um/sec
15:27:44
15:32:20
15:37:21
15:38:30
15:42:41
Time (237 Data Points 15:27:44 - 15:42:41)
Avg. Dir: 176.23 - Avg.Vel: 85.64
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-349.aqv



Colloid Velocity (um/s)

- 450 - 525
- 375 - 450
- 300 - 375
- 225 - 300
- 150 - 225
- 75 - 150
- 0 - 75

49178-349 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-350
Depth: 350
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 11:36:42 - 11:54:33
Data Points: 270

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
140.36	82.10	2.02	358.53	115.13

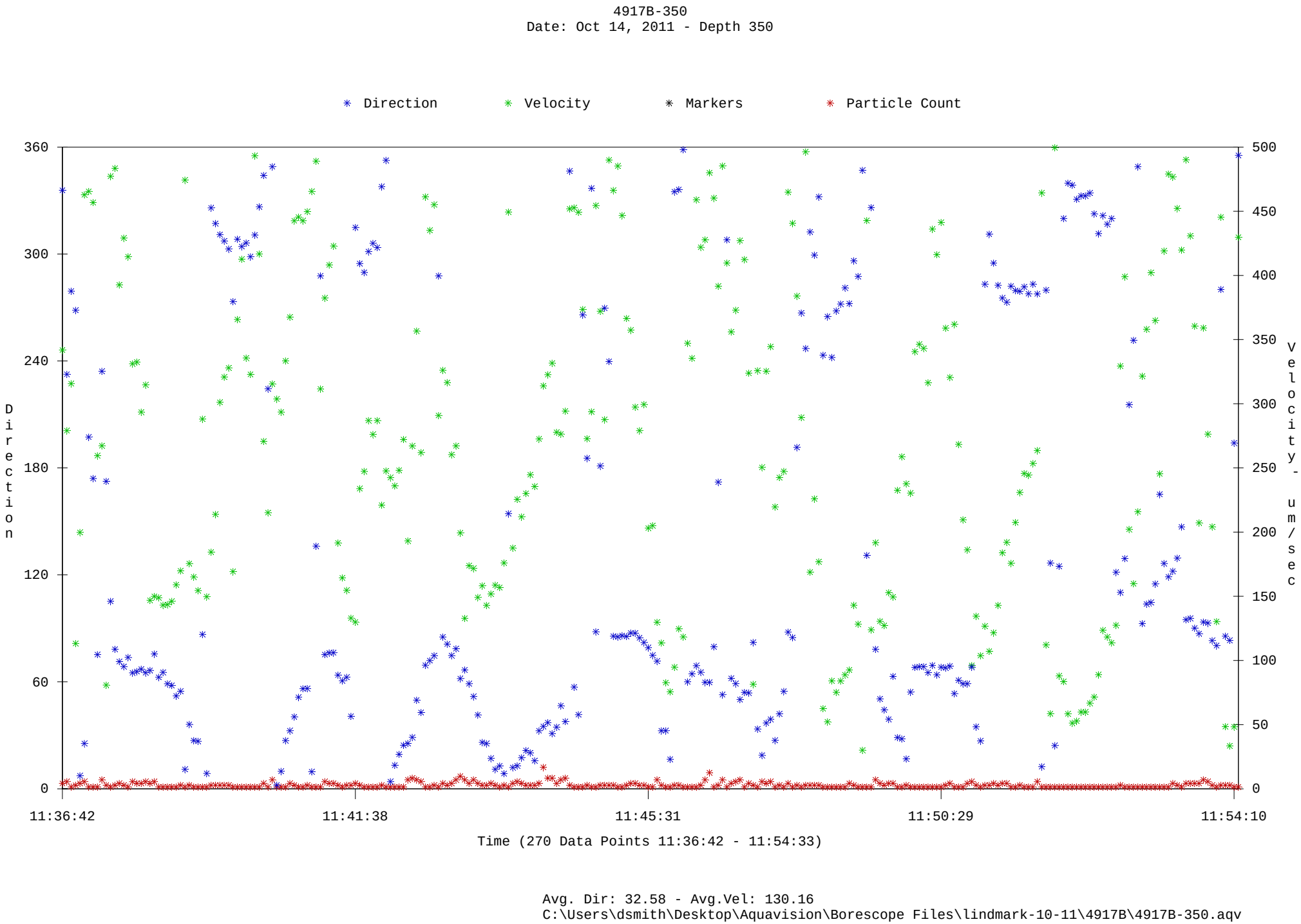
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	269.63	267.31	30.04	499.56	128.38
ft/day:	76.60	75.94	8.53	141.92	36.47
ft/day / 2:	38.30	37.97	4.27	70.96	18.24
ft/day / 3:	25.53	25.31	2.84	47.31	12.16
ft/day / 4:	19.15	18.99	2.13	35.48	9.12

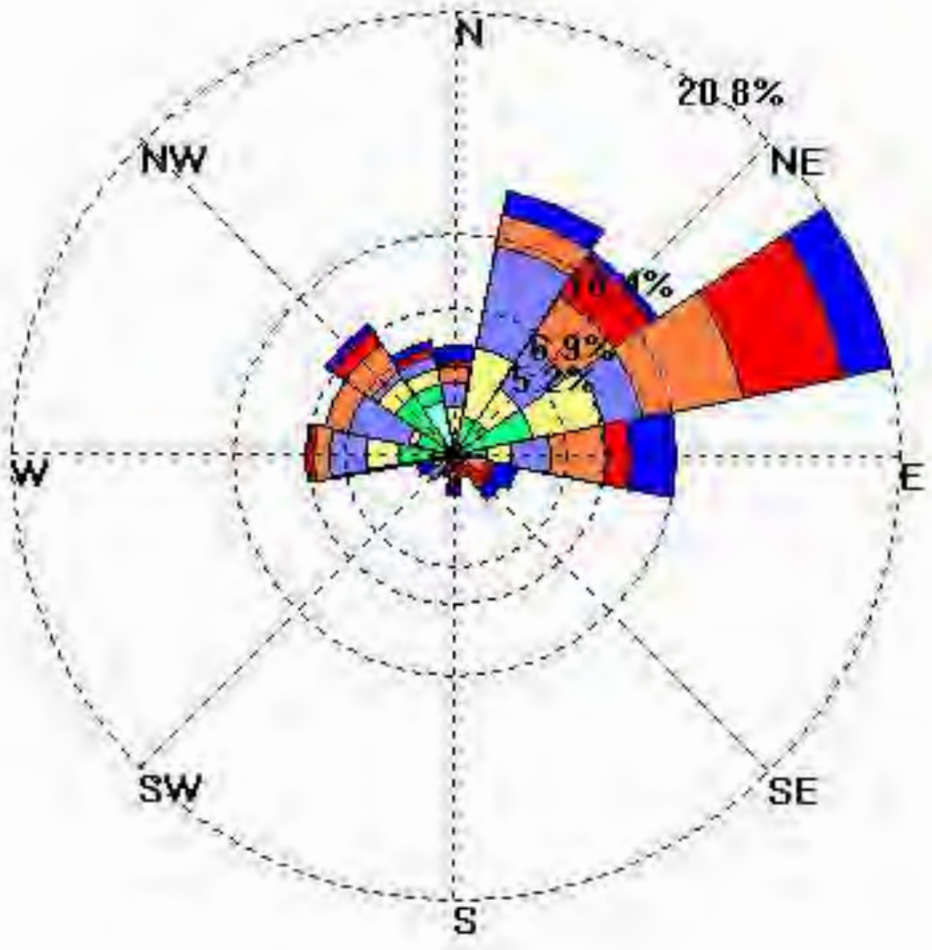
Velocity Vector:

Azimuth: 32.58

Actual Velocity

um/sec:	130.16
ft/day:	36.98
ft/day / 2:	18.49
ft/day / 3:	12.33
ft/day / 4:	9.24


4917B-350
Date: Oct 14, 2011 - Depth 350
Direction
Velocity
Markers
Particle Count
360
300
240
180
120
60
0
Direction
500
450
400
350
300
250
200
150
100
50
0
Velocity - um/sec
11:36:42
11:41:38
11:45:31
11:50:29
11:54:10
Time (270 Data Points 11:36:42 - 11:54:33)
Avg. Dir: 32.58 - Avg.Vel: 130.16
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-350.aqv



49178-350 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-350
Depth: 350
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 13:19:54 - 13:33:14
Data Points: 1943

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	186.19	188.79	0.03	359.97	118.10

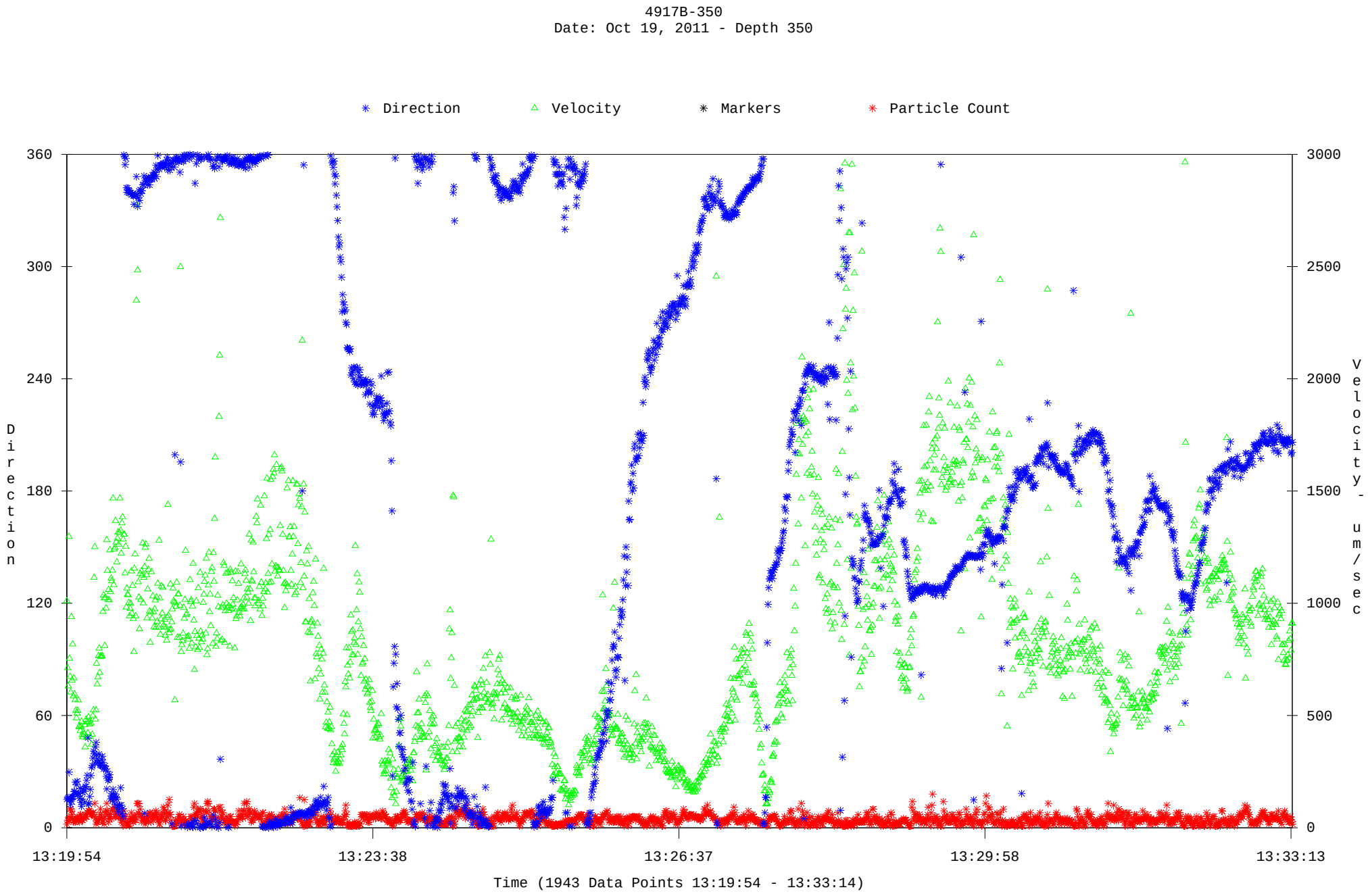
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	834.07	778.75	101.71	2965.28	464.69
ft/day:	236.95	221.24	28.89	842.41	132.01
ft/day / 2:	118.48	110.62	14.45	421.20	66.01
ft/day / 3:	78.98	73.75	9.63	280.80	44.00
ft/day / 4:	59.24	55.31	7.22	210.60	33.00

Velocity Vector:

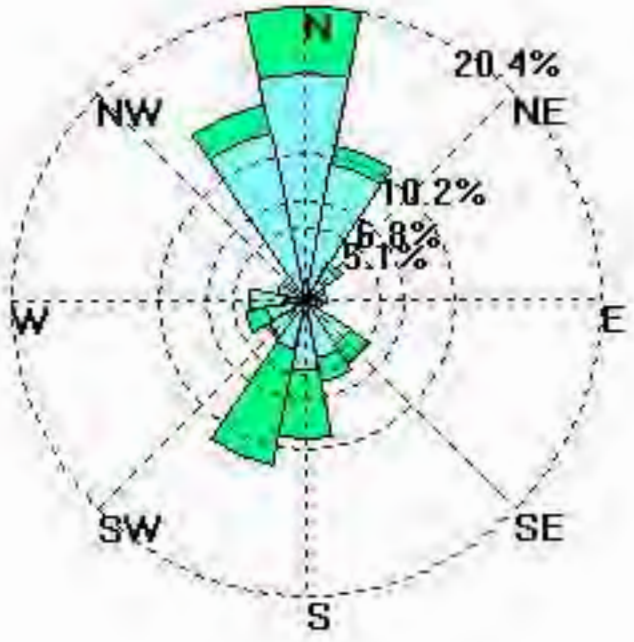
Azimuth: 334.33

Actual Velocity

um/sec:	51.29
ft/day:	14.57
ft/day / 2:	7.29
ft/day / 3:	4.86
ft/day / 4:	3.64



Avg. Dir: 334.33 - Avg.Vel: 51.29
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-350.aqv



Colloid Velocity (um/s)

- 4200 - 4980
- 3500 - 4200
- 2800 - 3500
- 2100 - 2800
- 1400 - 2100
- 700 - 1400
- 0 - 700

49178-550 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-350 cont
Depth: 350
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 13:34:00 - 13:36:14
Data Points: 400

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	166.42	142.68	3.54	356.58	86.04

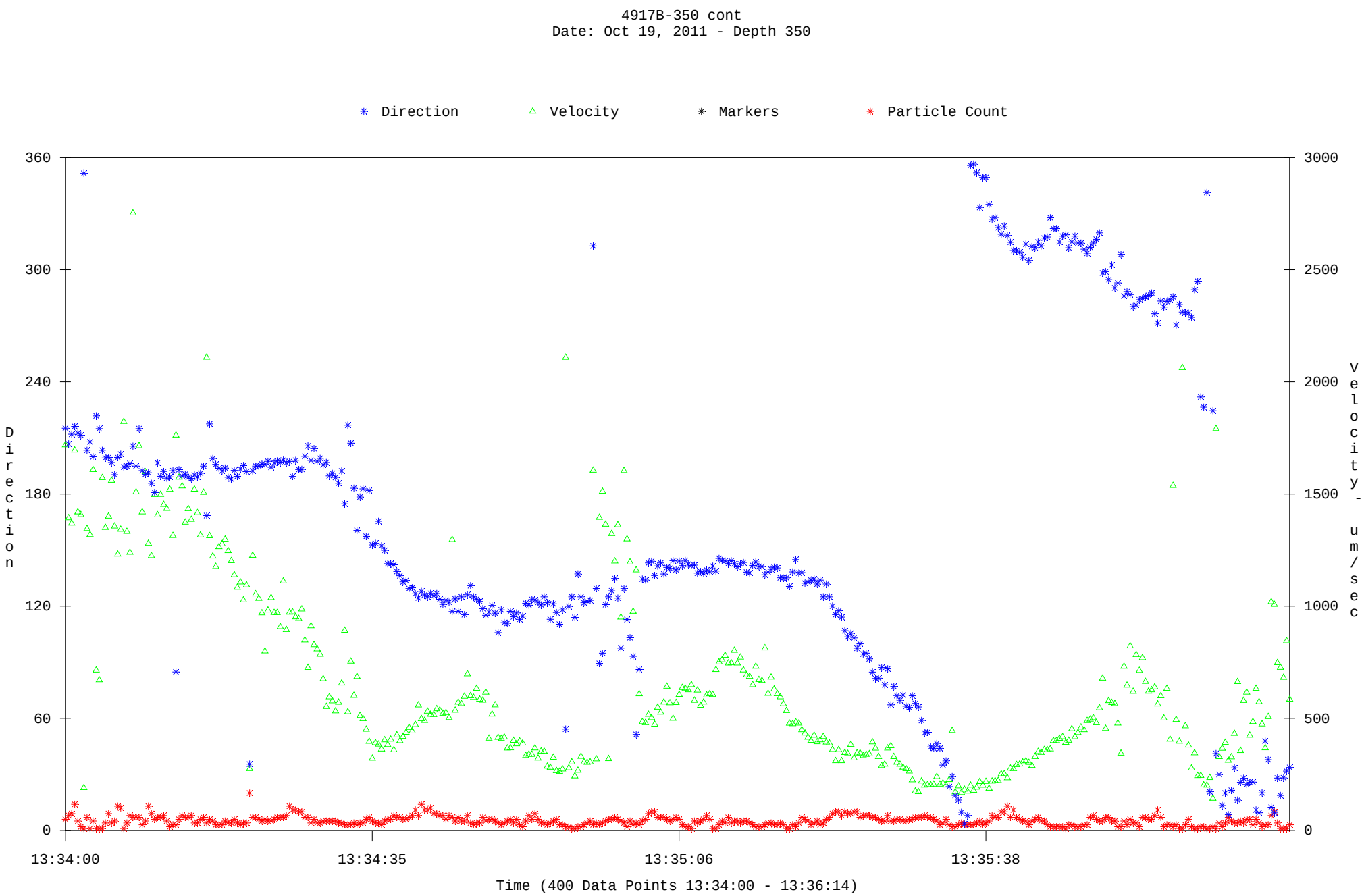
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	664.57	530.89	142.64	2752.53	430.04
ft/day:	188.80	150.82	40.52	781.97	122.17
ft/day / 2:	94.40	75.41	20.26	390.98	61.09
ft/day / 3:	62.93	50.27	13.51	260.66	40.72
ft/day / 4:	47.20	37.71	10.13	195.49	30.54

Velocity Vector:

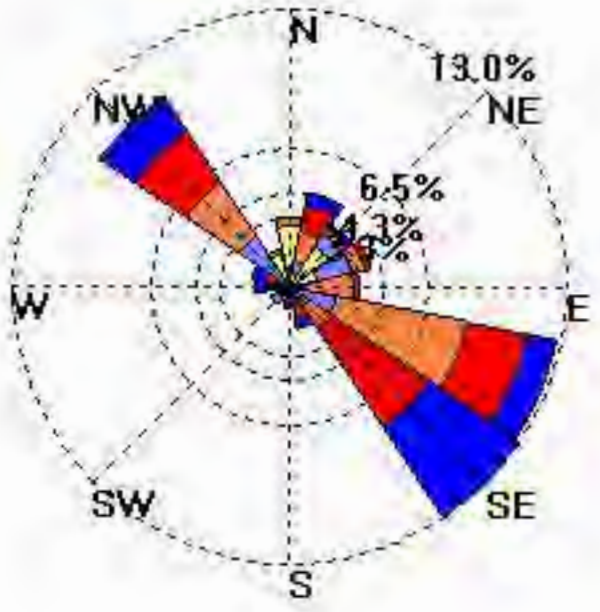
Azimuth: 144.14

Actual Velocity

um/sec:	308.44
ft/day:	87.63
ft/day / 2:	43.81
ft/day / 3:	29.21
ft/day / 4:	21.91



Avg. Dir: 144.14 - Avg.Vel: 308.44
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-350 cont.aqv



49|78-350 Cont - Groundwater Flow Direction vs Velocity

Well Analysis Summary

Well Name: 4917B-351
Depth: 351
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 11:59:16 - 12:21:13
Data Points: 197

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
159.65	146.51	1.00	359.85	102.95

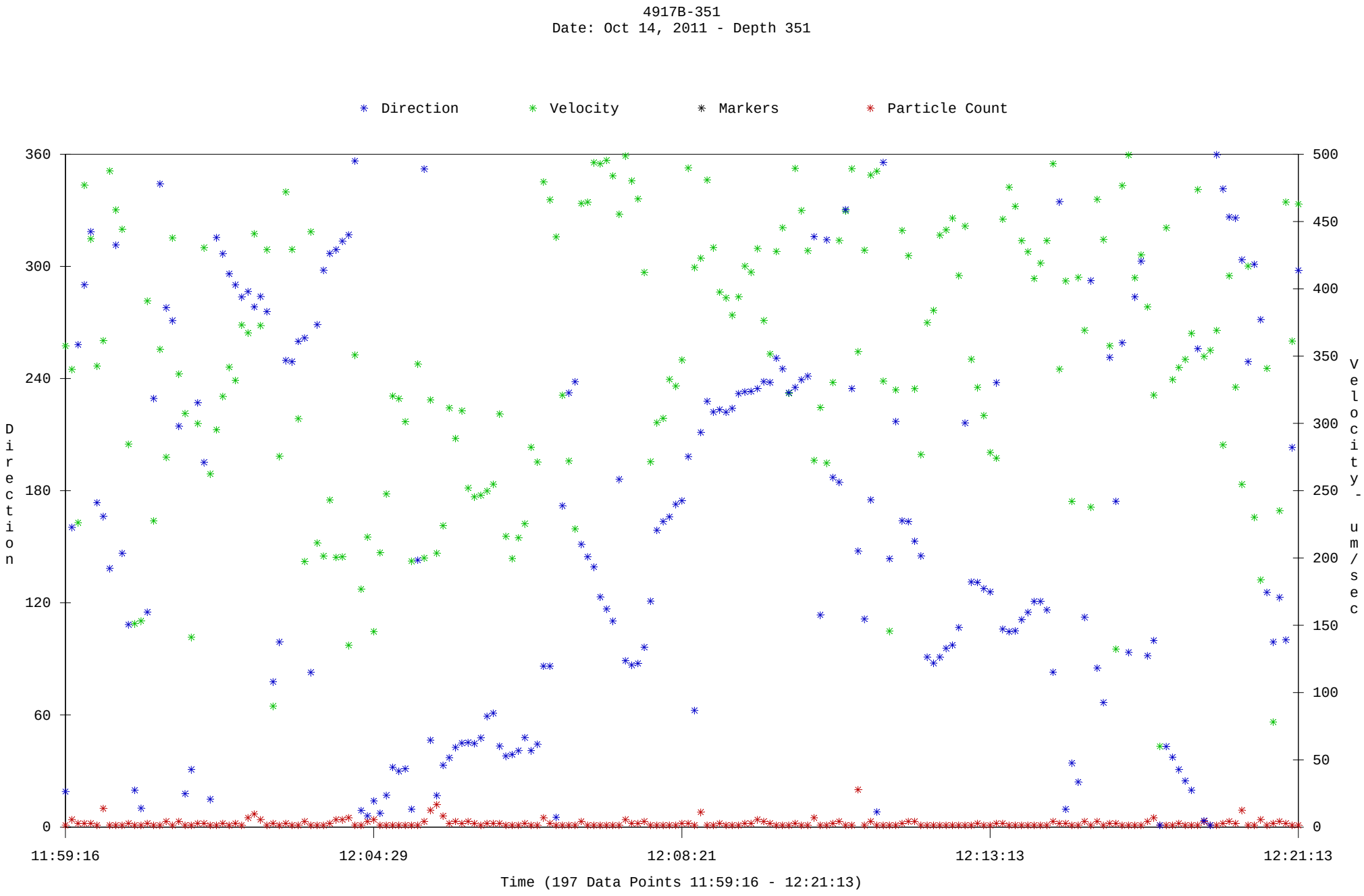
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	347.49	351.71	60.08	499.45	101.08
ft/day:	98.72	99.92	17.07	141.89	28.72
ft/day / 2:	49.36	49.96	8.53	70.94	14.36
ft/day / 3:	32.91	33.31	5.69	47.30	9.57
ft/day / 4:	24.68	24.98	4.27	35.47	7.18

Velocity Vector:

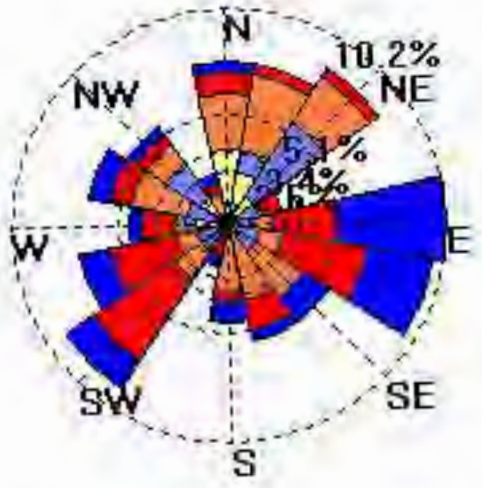
Azimuth: 71.85

Actual Velocity

um/sec:	31.83
ft/day:	9.04
ft/day / 2:	4.52
ft/day / 3:	3.01
ft/day / 4:	2.26



Avg. Dir: 71.85 - Avg.Vel: 31.83
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-351.aqv



Colloid Velocity (um/s)

- 450 - 525
- 375 - 450
- 300 - 375
- 225 - 300
- 150 - 225
- 75 - 150
- 0 - 75

49178-551 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-352
Depth: 352
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 12:29:47 - 12:43:19
Data Points: 218

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
186.60	206.46	18.65	349.99	84.75

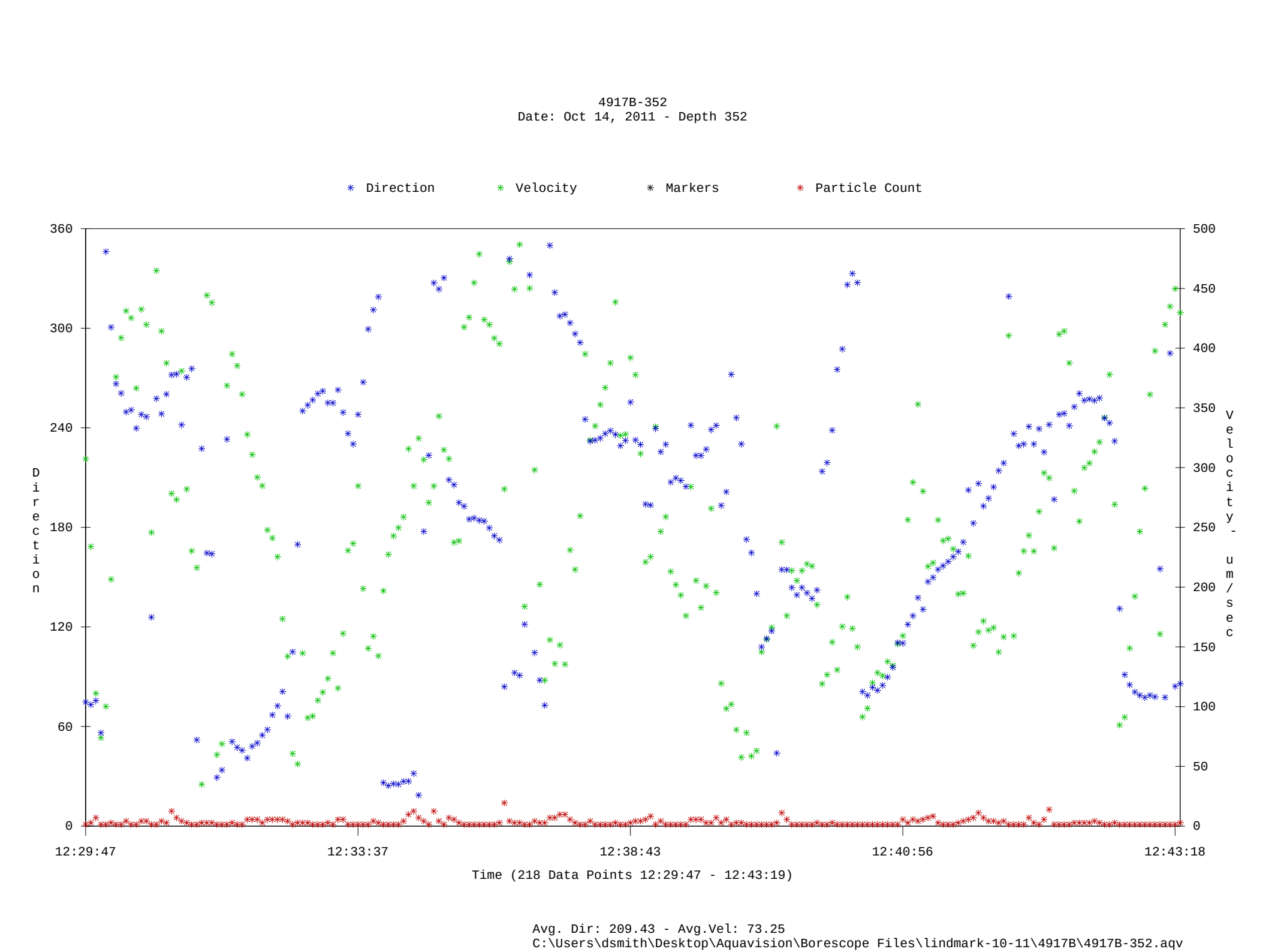
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	249.21	237.58	34.96	486.72	110.34
ft/day:	70.80	67.49	9.93	138.27	31.35
ft/day / 2:	35.40	33.75	4.97	69.14	15.67
ft/day / 3:	23.60	22.50	3.31	46.09	10.45
ft/day / 4:	17.70	16.87	2.48	34.57	7.84

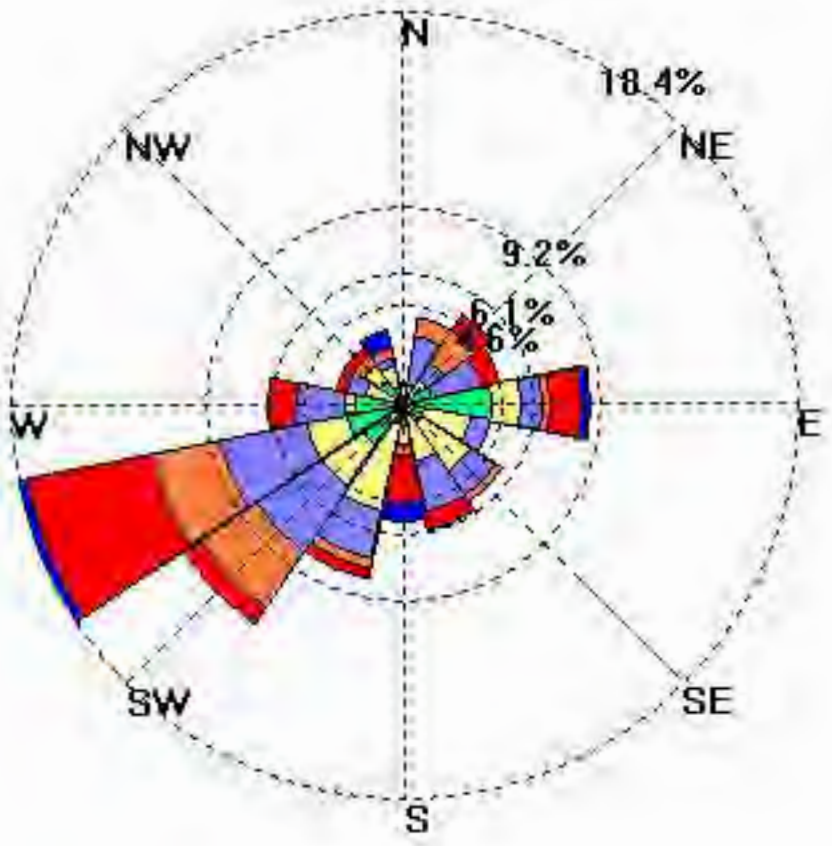
Velocity Vector:

Azimuth: 209.43

Actual Velocity

um/sec:	73.25
ft/day:	20.81
ft/day / 2:	10.41
ft/day / 3:	6.94
ft/day / 4:	5.20


4917B-352
Date: Oct 14, 2011 - Depth 352
Direction
Velocity
Markers
Particle Count
360
300
240
180
120
60
0
Direction
500
450
400
350
300
250
200
150
100
50
0
Velocity - um/sec
12:29:47
12:33:37
12:38:43
12:40:56
12:43:18
Time (218 Data Points 12:29:47 - 12:43:19)
Avg. Dir: 209.43 - Avg.Vel: 73.25
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-352.aqv



49178-352 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-353
Depth: 353
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 12:46:34 - 13:06:24
Data Points: 236

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
185.02	205.25	2.32	359.15	98.30

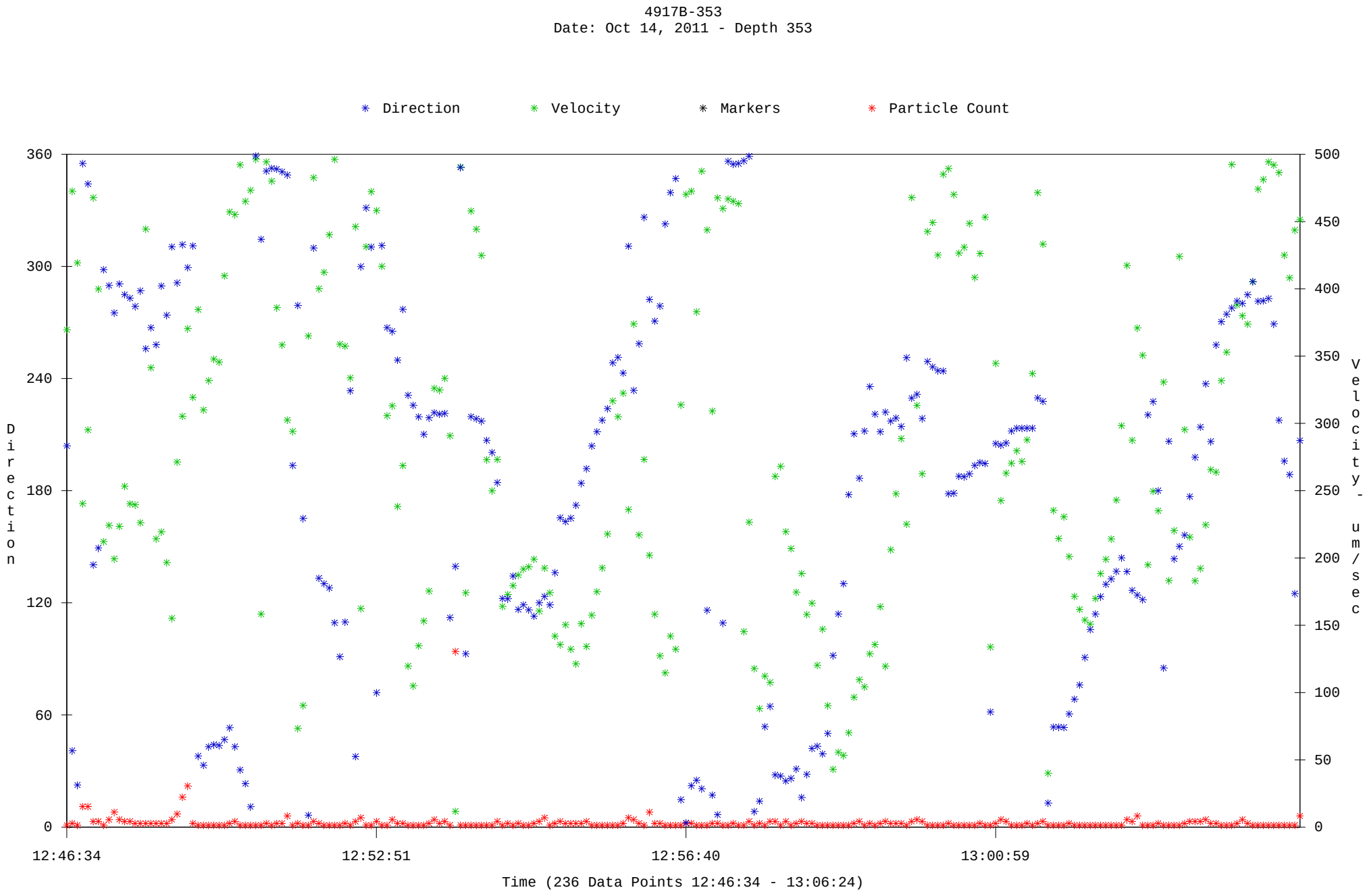
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	287.03	271.79	11.71	496.43	127.66
ft/day:	81.54	77.21	3.33	141.03	36.27
ft/day / 2:	40.77	38.61	1.66	70.52	18.13
ft/day / 3:	27.18	25.74	1.11	47.01	12.09
ft/day / 4:	20.39	19.30	0.83	35.26	9.07

Velocity Vector:

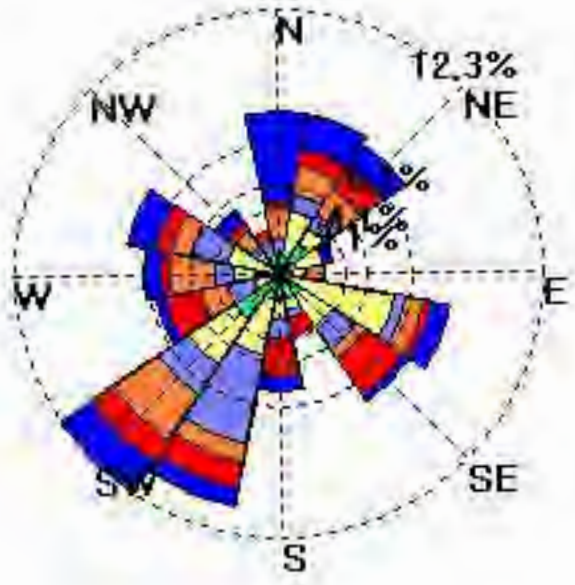
Azimuth: 224.03

Actual Velocity

um/sec:	41.85
ft/day:	11.89
ft/day / 2:	5.94
ft/day / 3:	3.96
ft/day / 4:	2.97



Avg. Dir: 224.03 - Avg.Vel: 41.85
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-353.aqv



Colloid Velocity (um/s)

- 450 - 525
- 375 - 450
- 300 - 375
- 225 - 300
- 150 - 225
- 75 - 150
- 0 - 75

49178-353 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4916B-354
Depth: 354
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 13:11:00 - 13:27:59
Data Points: 542

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	178.55	169.59	0.09	358.91	101.27

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	246.98	248.64	10.36	497.85	121.60
ft/day:	70.16	70.64	2.94	141.44	34.55
ft/day / 2:	35.08	35.32	1.47	70.72	17.27
ft/day / 3:	23.39	23.55	0.98	47.15	11.52
ft/day / 4:	17.54	17.66	0.74	35.36	8.64

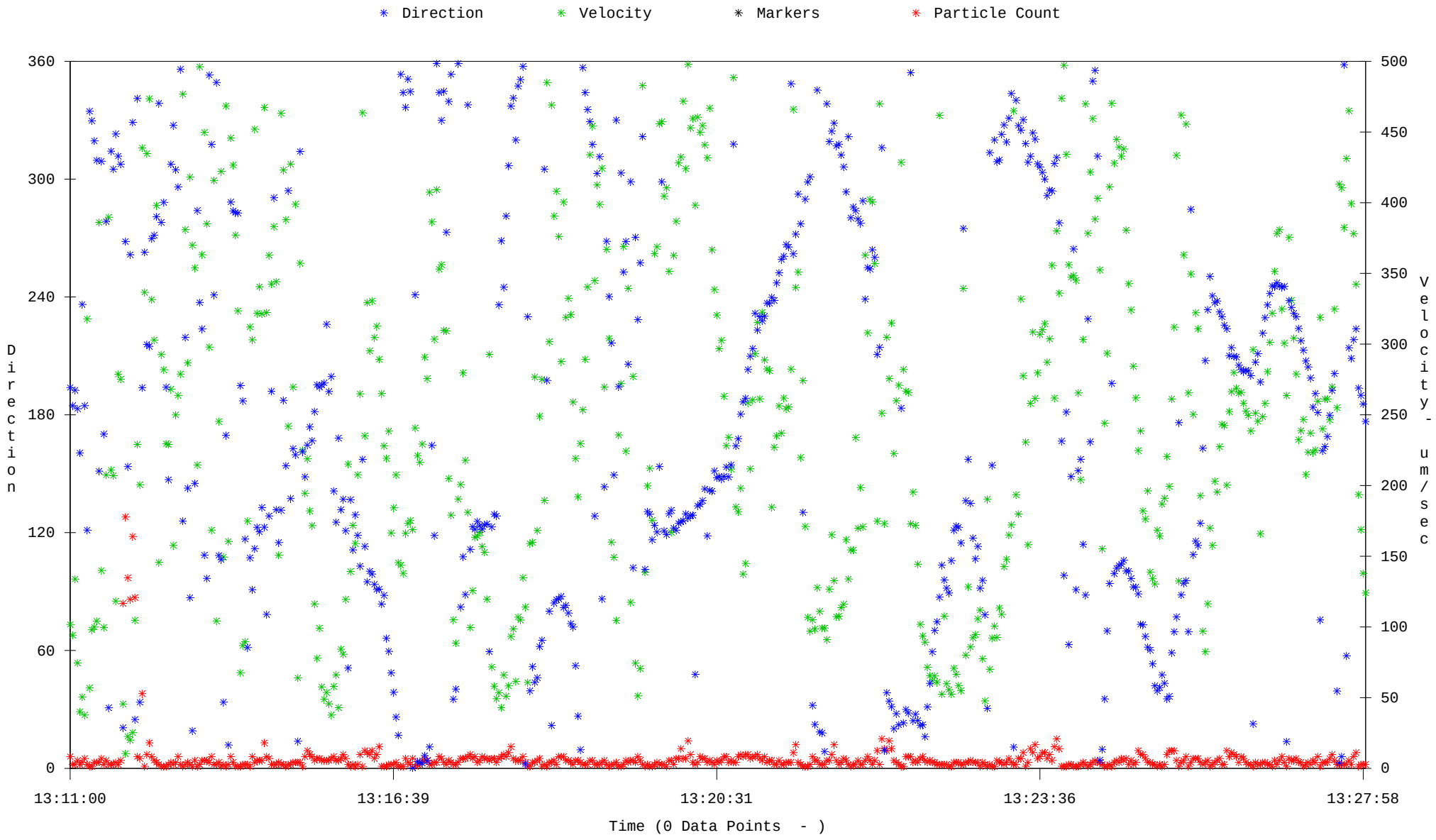
Velocity Vector:

Azimuth: 130.62

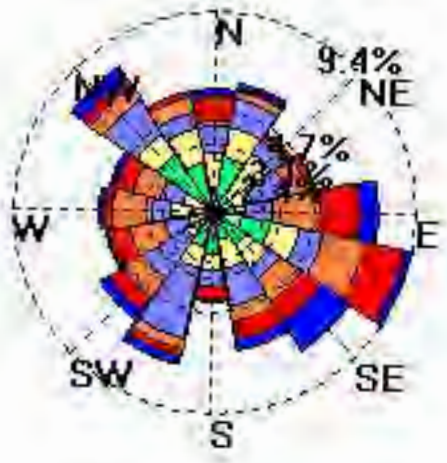
Actual Velocity

um/sec:	25.66
ft/day:	7.29
ft/day / 2:	3.65
ft/day / 3:	2.43
ft/day / 4:	1.82

4916B-354
Date: Oct 14, 2011 - Depth 354



Avg. Dir: 130.62 - Avg.Vel: 25.66
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-354.aqv



Colloid Velocity (um/s)

- 450 - 525
- 375 - 450
- 300 - 375
- 225 - 300
- 150 - 225
- 75 - 150
- 0 - 75

49178-05A – Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-355
Depth: 355
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 13:39:33 - 13:51:00
Data Points: 249

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
166.24	174.35	0.65	357.91	104.72

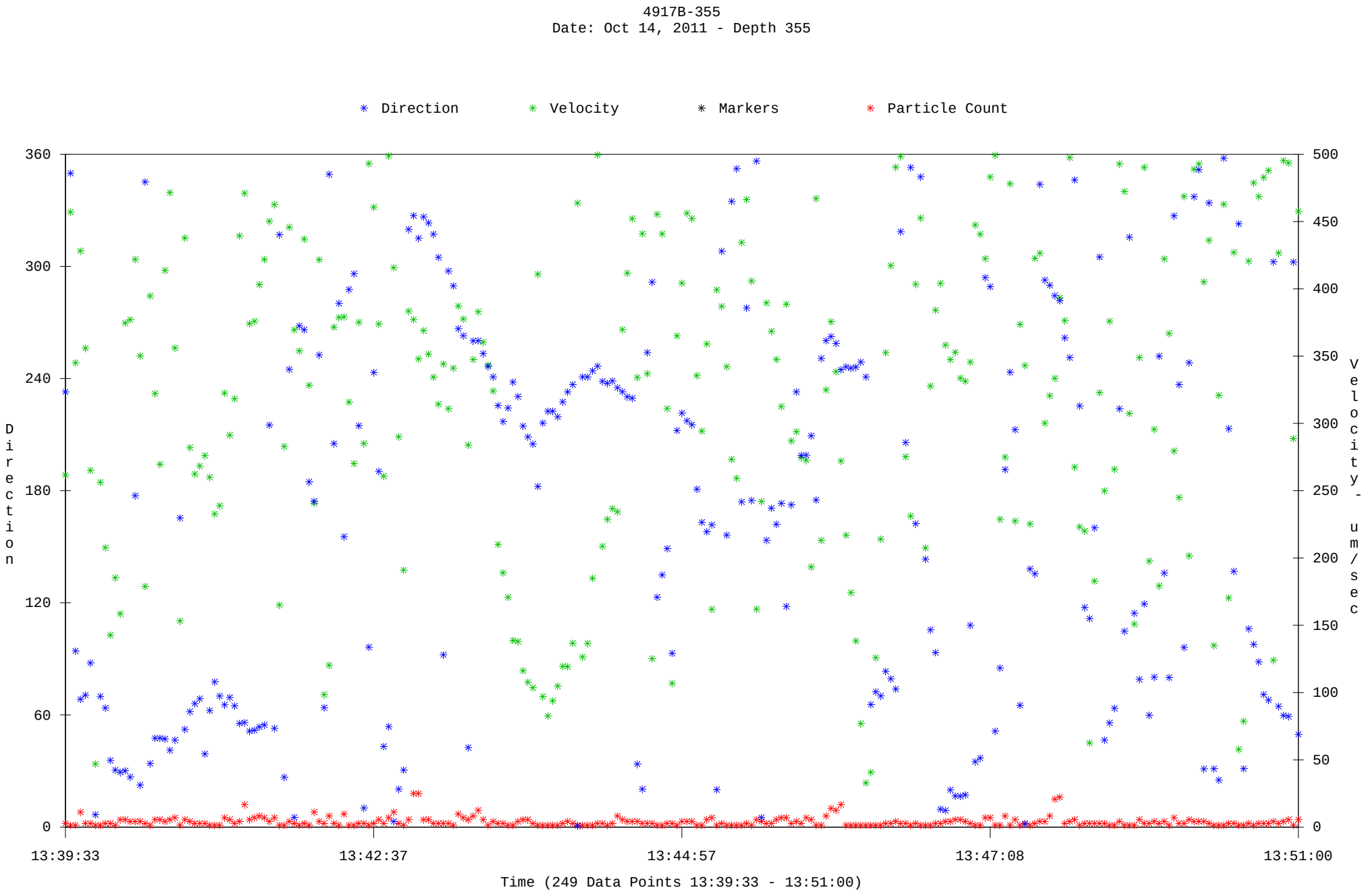
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	316.03	337.07	32.85	499.63	118.01
ft/day:	89.78	95.76	9.33	141.94	33.53
ft/day / 2:	44.89	47.88	4.67	70.97	16.76
ft/day / 3:	29.93	31.92	3.11	47.31	11.18
ft/day / 4:	22.45	23.94	2.33	35.48	8.38

Velocity Vector:

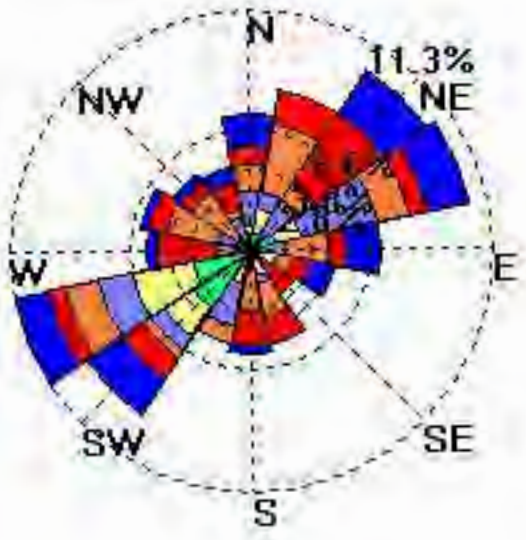
Azimuth: 3.65

Actual Velocity

um/sec:	29.84
ft/day:	8.48
ft/day / 2:	4.24
ft/day / 3:	2.83
ft/day / 4:	2.12



Avg. Dir: 3.65 - Avg.Vel: 29.84
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-355.aqv



49178-355 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-356
Depth: 356
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 13:53:26 - 14:17:36
Data Points: 532

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
198.80	217.35	0.44	359.37	97.20

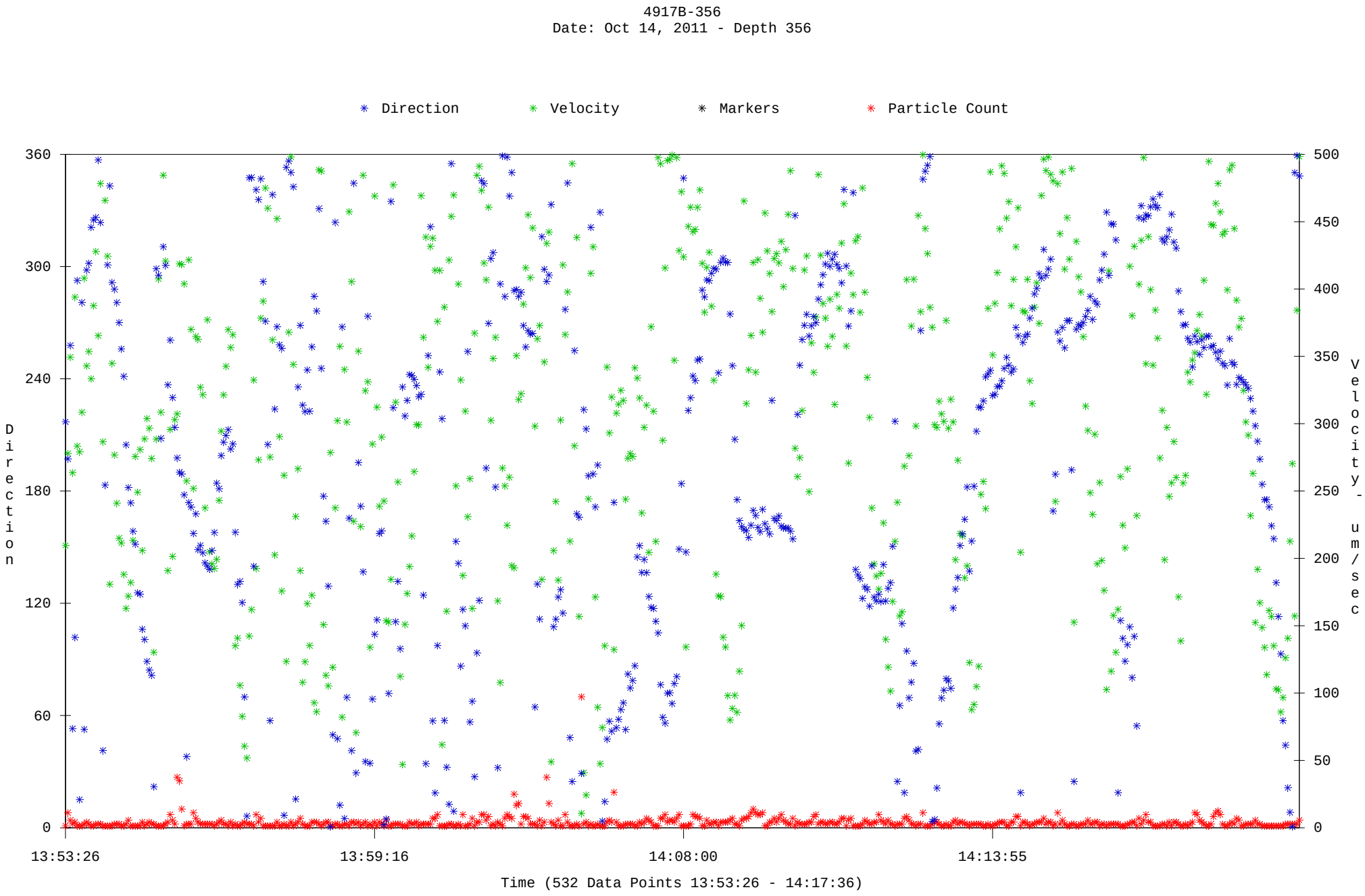
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	307.52	316.04	10.70	499.80	119.68
ft/day:	87.36	89.78	3.04	141.99	34.00
ft/day / 2:	43.68	44.89	1.52	70.99	17.00
ft/day / 3:	29.12	29.93	1.01	47.33	11.33
ft/day / 4:	21.84	22.45	0.76	35.50	8.50

Velocity Vector:

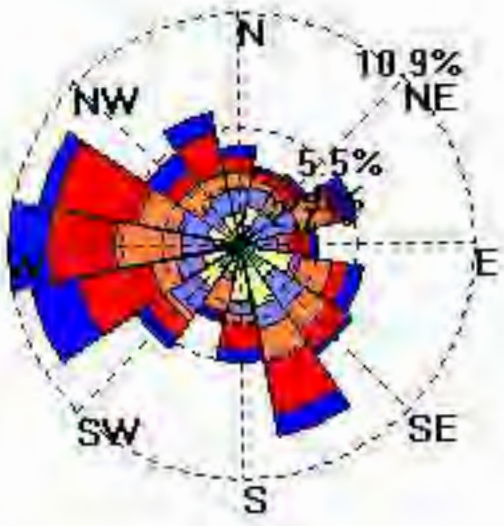
Azimuth: 248.67

Actual Velocity

um/sec:	59.99
ft/day:	17.04
ft/day / 2:	8.52
ft/day / 3:	5.68
ft/day / 4:	4.26



Avg. Dir: 248.67 - Avg.Vel: 59.99
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-356.aqv



49178-356 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-356
Depth: 356
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 12:03:09 - 12:23:44
Data Points: 1180

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
198.00	238.81	0.53	359.61	106.86

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	507.41	455.74	30.02	998.38	234.14
ft/day:	144.15	129.47	8.53	283.63	66.52
ft/day / 2:	72.08	64.74	4.26	141.82	33.26
ft/day / 3:	48.05	43.16	2.84	94.54	22.17
ft/day / 4:	36.04	32.37	2.13	70.91	16.63

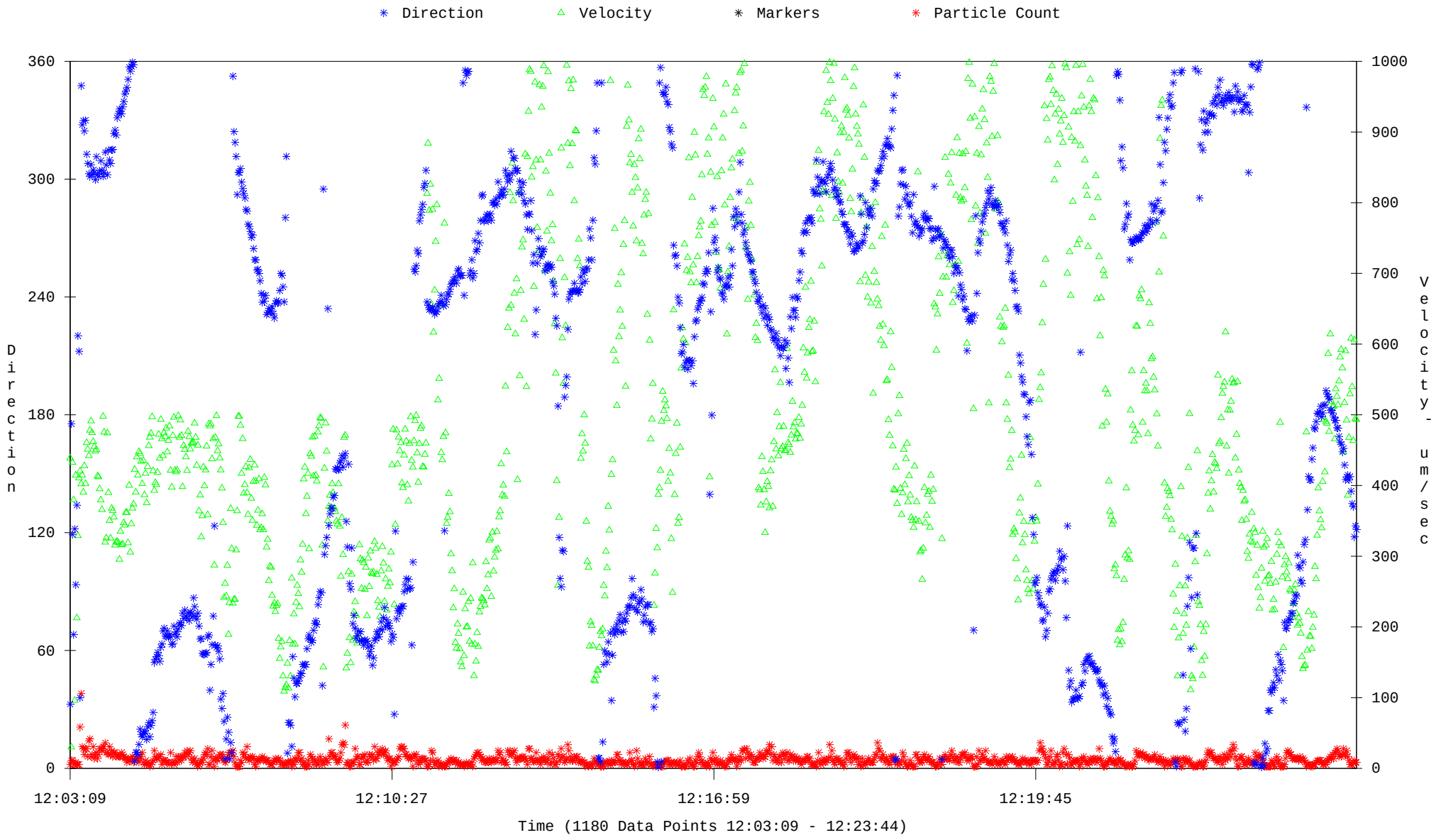
Velocity Vector:

Azimuth: 307.12

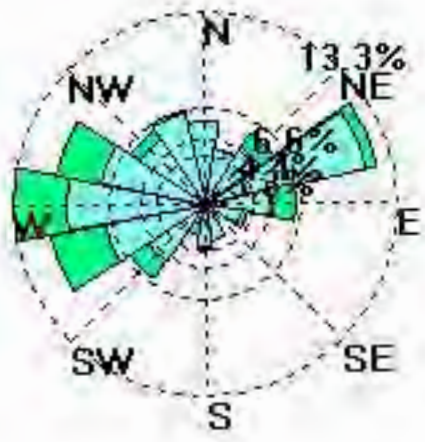
Actual Velocity

um/sec:	145.34
ft/day:	41.29
ft/day / 2:	20.64
ft/day / 3:	13.76
ft/day / 4:	10.32

4917B-356
Date: Oct 19, 2011 - Depth 356



Avg. Dir: 307.12 - Avg.Vel: 145.34
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-356.aqv



Colloid Velocity (um/s)

- 4200 - 4980
- 3500 - 4200
- 2800 - 3500
- 2100 - 2800
- 1400 - 2100
- 700 - 1400
- 0 - 700

49178-356 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-356.5
Depth: 356.5
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 15:18:50 - 15:31:38
Data Points: 1640

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	191.84	205.64	0.04	359.98	88.16

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	1060.08	817.26	101.66	2991.17	759.96
ft/day:	301.16	232.18	28.88	849.76	215.90
ft/day / 2:	150.58	116.09	14.44	424.88	107.95
ft/day / 3:	100.39	77.39	9.63	283.25	71.97
ft/day / 4:	75.29	58.04	7.22	212.44	53.97

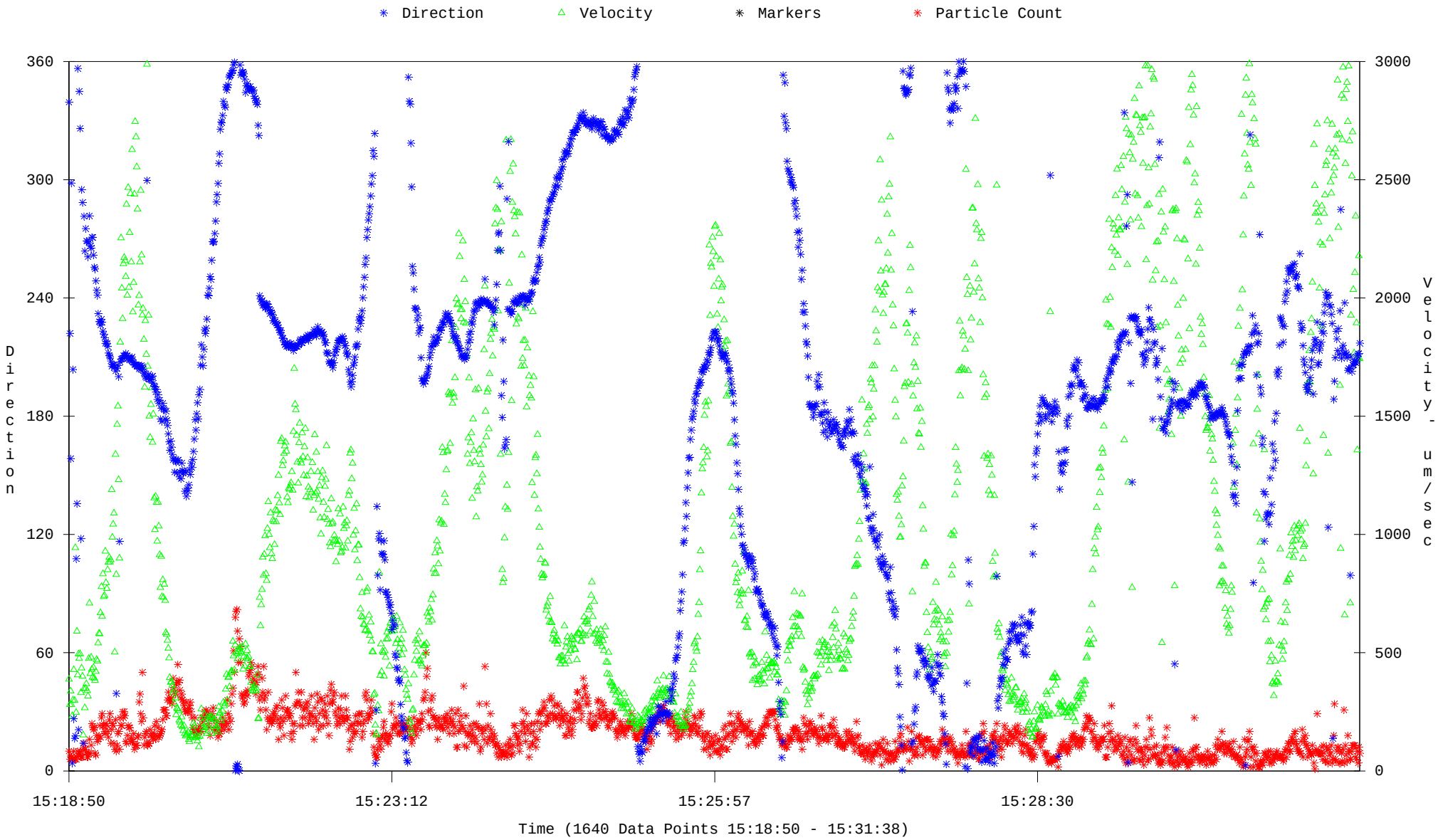
Velocity Vector:

Azimuth: 211.94

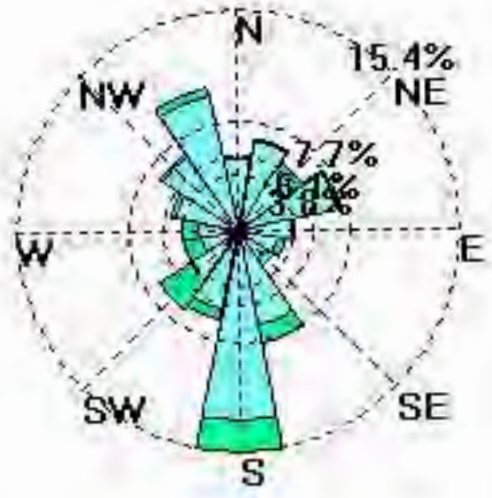
Actual Velocity

um/sec:	554.35
ft/day:	157.49
ft/day / 2:	78.74
ft/day / 3:	52.50
ft/day / 4:	39.37

4917B-356.5
Date: Oct 19, 2011 - Depth 356.5



Avg. Dir: 211.94 - Avg.Vel: 554.35
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-356.5.aqv



Colloid Velocity (um/s)

- 4200 - 4980
- 3500 - 4200
- 2800 - 3500
- 2100 - 2800
- 1400 - 2100
- 700 - 1400
- 0 - 700

49178-050.5 - Groundwater Flow Direction vs Velocity

Well Analysis Summary

Well Name: 356.75
Depth: 356.75
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 15:38:38 - 15:55:26
Data Points: 2560

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	196.15	192.16	0.39	359.83	92.80

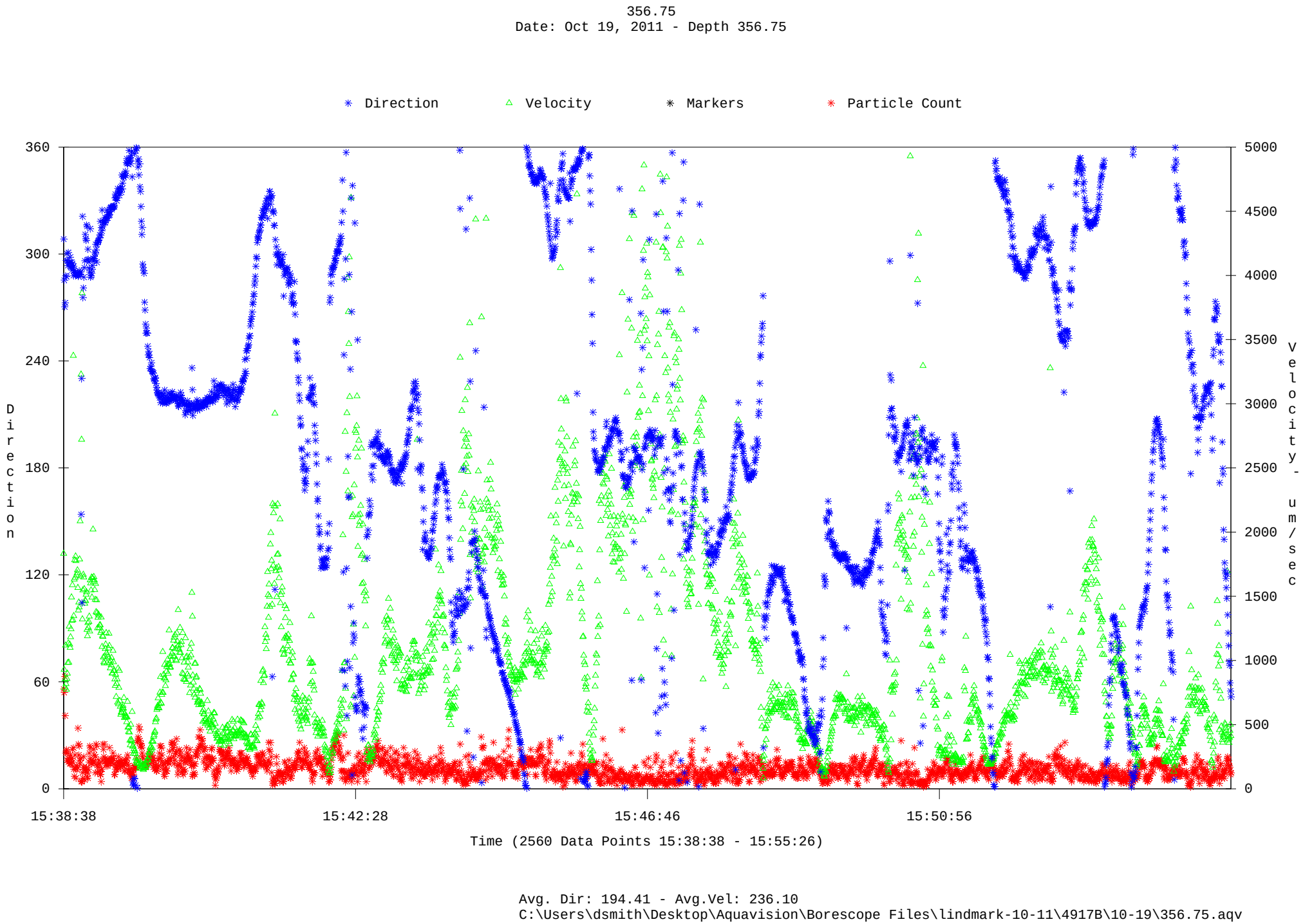
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	1108.34	872.64	83.10	4930.29	823.47
ft/day:	314.87	247.91	23.61	1400.65	233.94
ft/day / 2:	157.43	123.95	11.80	700.33	116.97
ft/day / 3:	104.96	82.64	7.87	466.88	77.98
ft/day / 4:	78.72	61.98	5.90	350.16	58.48

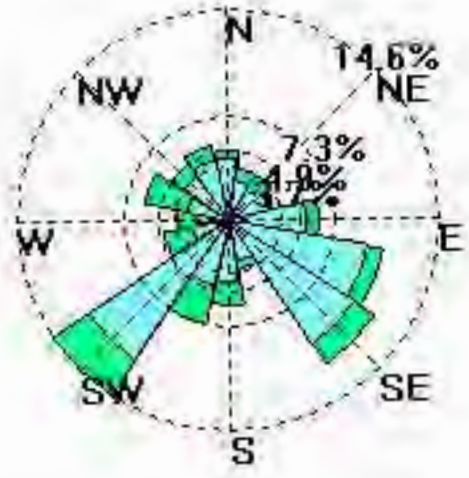
Velocity Vector:

Azimuth: 194.41

Actual Velocity

um/sec:	236.10
ft/day:	67.07
ft/day / 2:	33.54
ft/day / 3:	22.36
ft/day / 4:	16.77


356.75
Date: Oct 19, 2011 - Depth 356.75
Direction
Velocity
Markers
Particle Count
360
300
240
180
120
60
0
Direction
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Velocity - um/sec
15:38:38
15:42:28
15:46:46
15:50:56
Time (2560 Data Points 15:38:38 - 15:55:26)
Avg. Dir: 194.41 - Avg.Vel: 236.10
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\356.75.aqv



Colloid Velocity (um/s)

- 4200 - 4980
- 3500 - 4200
- 2800 - 3500
- 2100 - 2800
- 1400 - 2100
- 700 - 1400
- 0 - 700

49178-356 75 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-357
Depth: 357
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 14:22:42 - 14:34:41
Data Points: 285

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
182.20	182.95	0.06	356.42	104.65

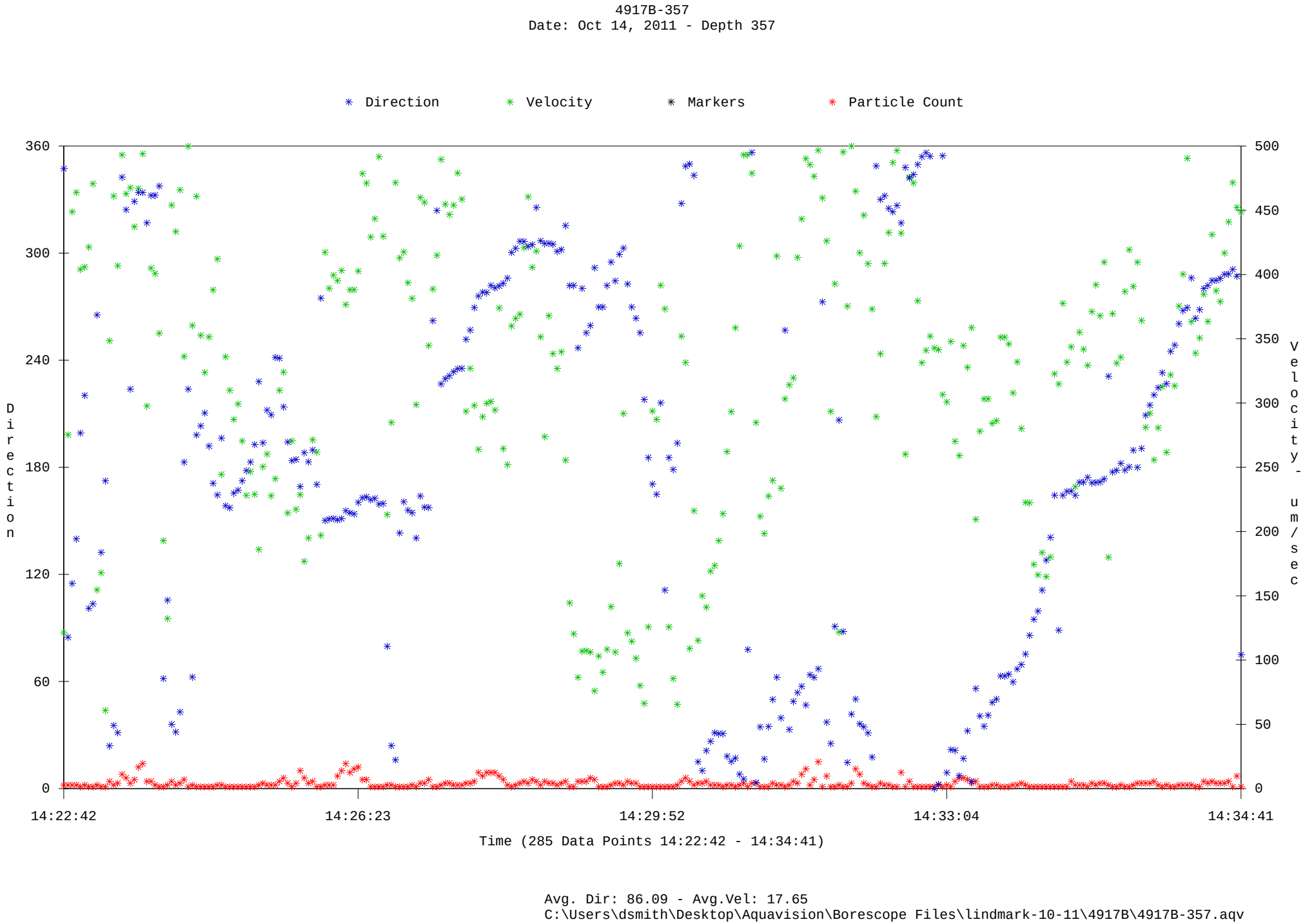
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	324.59	341.05	60.86	499.92	111.54
ft/day:	92.21	96.89	17.29	142.02	31.69
ft/day / 2:	46.11	48.44	8.64	71.01	15.84
ft/day / 3:	30.74	32.30	5.76	47.34	10.56
ft/day / 4:	23.05	24.22	4.32	35.51	7.92

Velocity Vector:

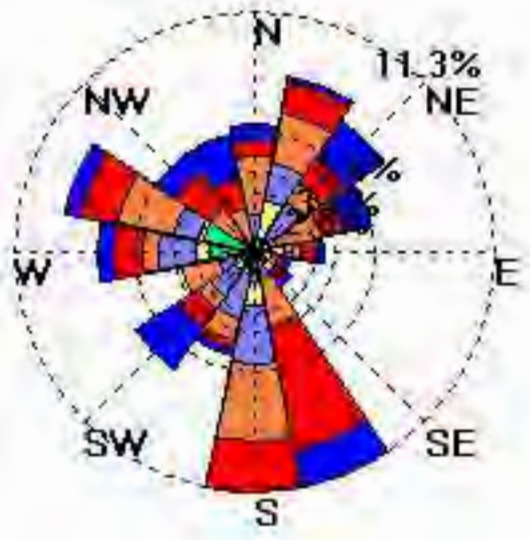
Azimuth: 86.09

Actual Velocity

um/sec:	17.65
ft/day:	5.02
ft/day / 2:	2.51
ft/day / 3:	1.67
ft/day / 4:	1.25



Avg. Dir: 86.09 - Avg.Vel: 17.65
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-357.aqv



49178-357 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-357.25
Depth: 357.25
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 16:04:24 - 16:21:21
Data Points: 2723

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
180.95	188.79	0.34	359.92	84.92

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	713.54	648.02	42.42	3906.30	391.61
ft/day:	202.71	184.10	12.05	1109.74	111.25
ft/day / 2:	101.36	92.05	6.03	554.87	55.63
ft/day / 3:	67.57	61.37	4.02	369.91	37.08
ft/day / 4:	50.68	46.02	3.01	277.44	27.81

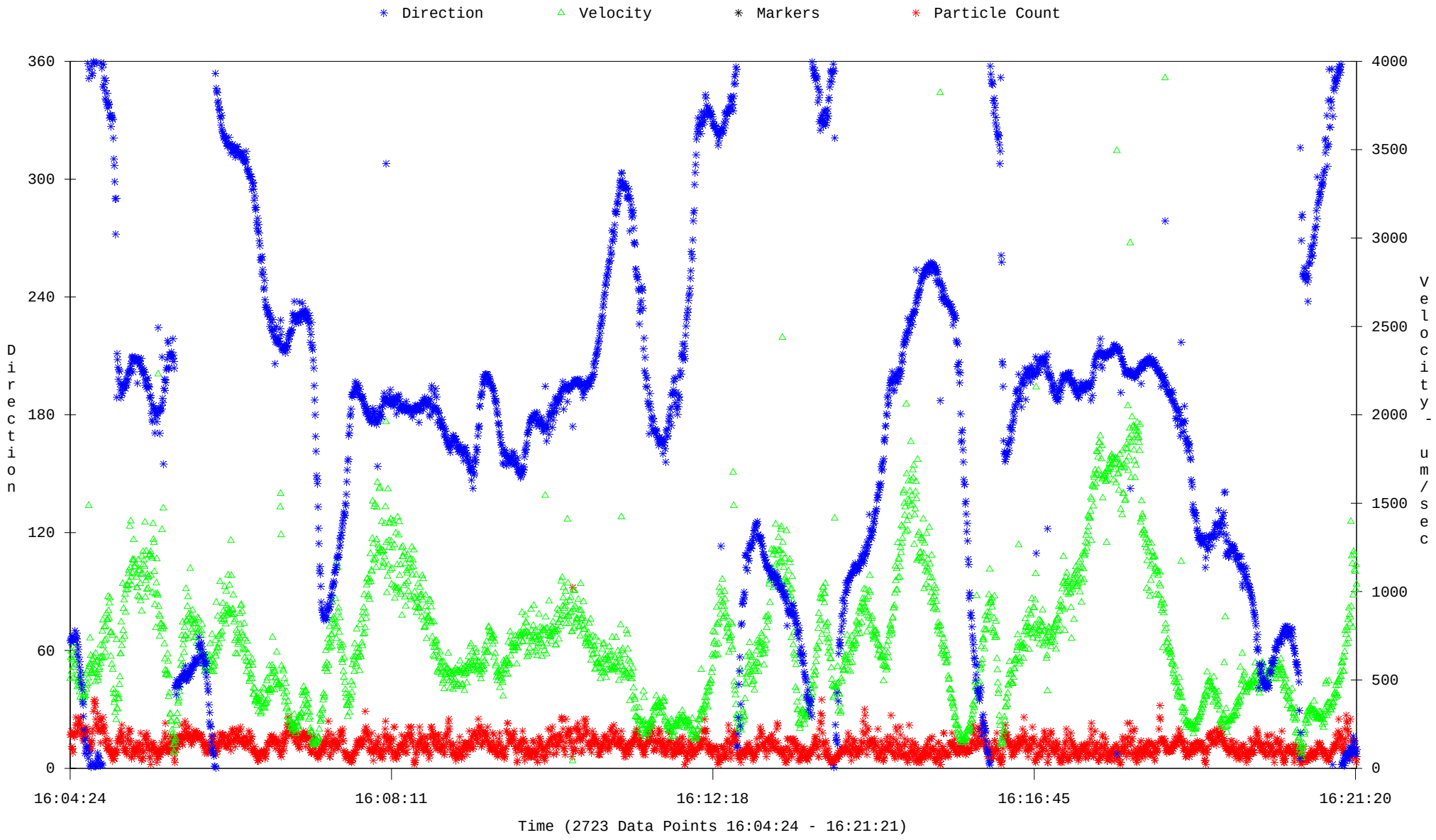
Velocity Vector:

Azimuth: 182.58

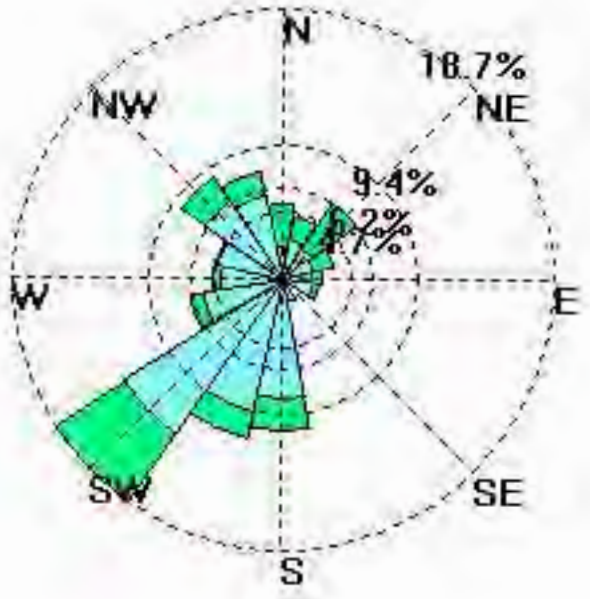
Actual Velocity

um/sec:	294.40
ft/day:	83.64
ft/day / 2:	41.82
ft/day / 3:	27.88
ft/day / 4:	20.91

4917B-357.25
Date: Oct 19, 2011 - Depth 357.25



Avg. Dir: 182.58 - Avg.Vel: 294.40
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-357.75.aqv



Colloid Velocity (um/s)

- 4200 - 4980
- 3500 - 4200
- 2800 - 3500
- 2100 - 2800
- 1400 - 2100
- 700 - 1400
- 0 - 700

4917B-057 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-357.25
Depth: 357.25
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 16:04:24 - 16:21:21
Data Points: 2723

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
180.95	188.79	0.34	359.92	84.92

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	713.54	648.02	42.42	3906.30	391.61
ft/day:	202.71	184.10	12.05	1109.74	111.25
ft/day / 2:	101.36	92.05	6.03	554.87	55.63
ft/day / 3:	67.57	61.37	4.02	369.91	37.08
ft/day / 4:	50.68	46.02	3.01	277.44	27.81

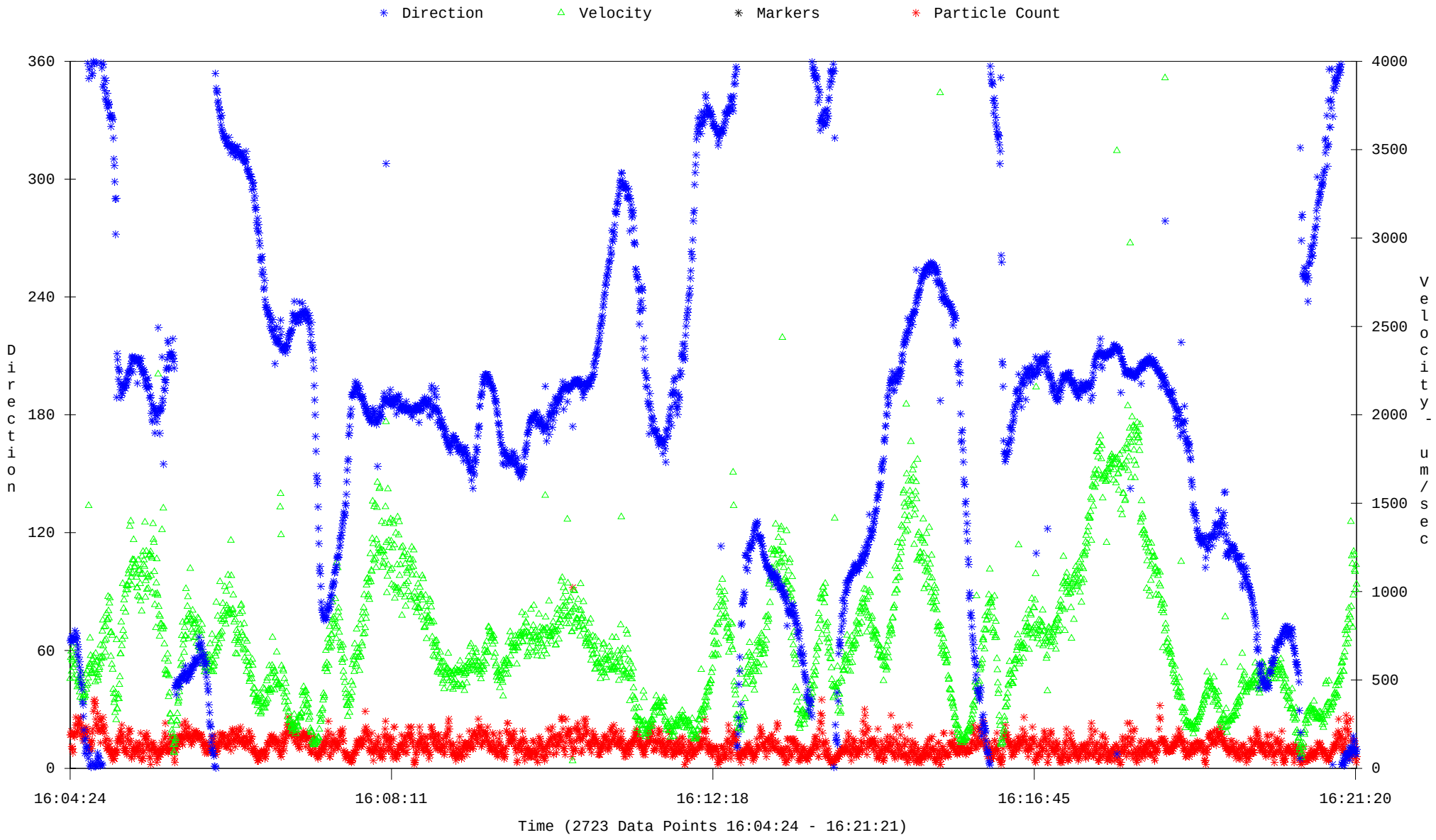
Velocity Vector:

Azimuth: 182.58

Actual Velocity

um/sec:	294.40
ft/day:	83.64
ft/day / 2:	41.82
ft/day / 3:	27.88
ft/day / 4:	20.91

4917B-357.25
Date: Oct 19, 2011 - Depth 357.25



Avg. Dir: 182.58 - Avg.Vel: 294.40
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-357.75.aqv

Well Analysis Summary

Well Name: 4917B-357.5
Depth: 357.5
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 13:02:22 - 13:17:18
Data Points: 2127

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	223.87	254.30	0.53	359.32	95.34

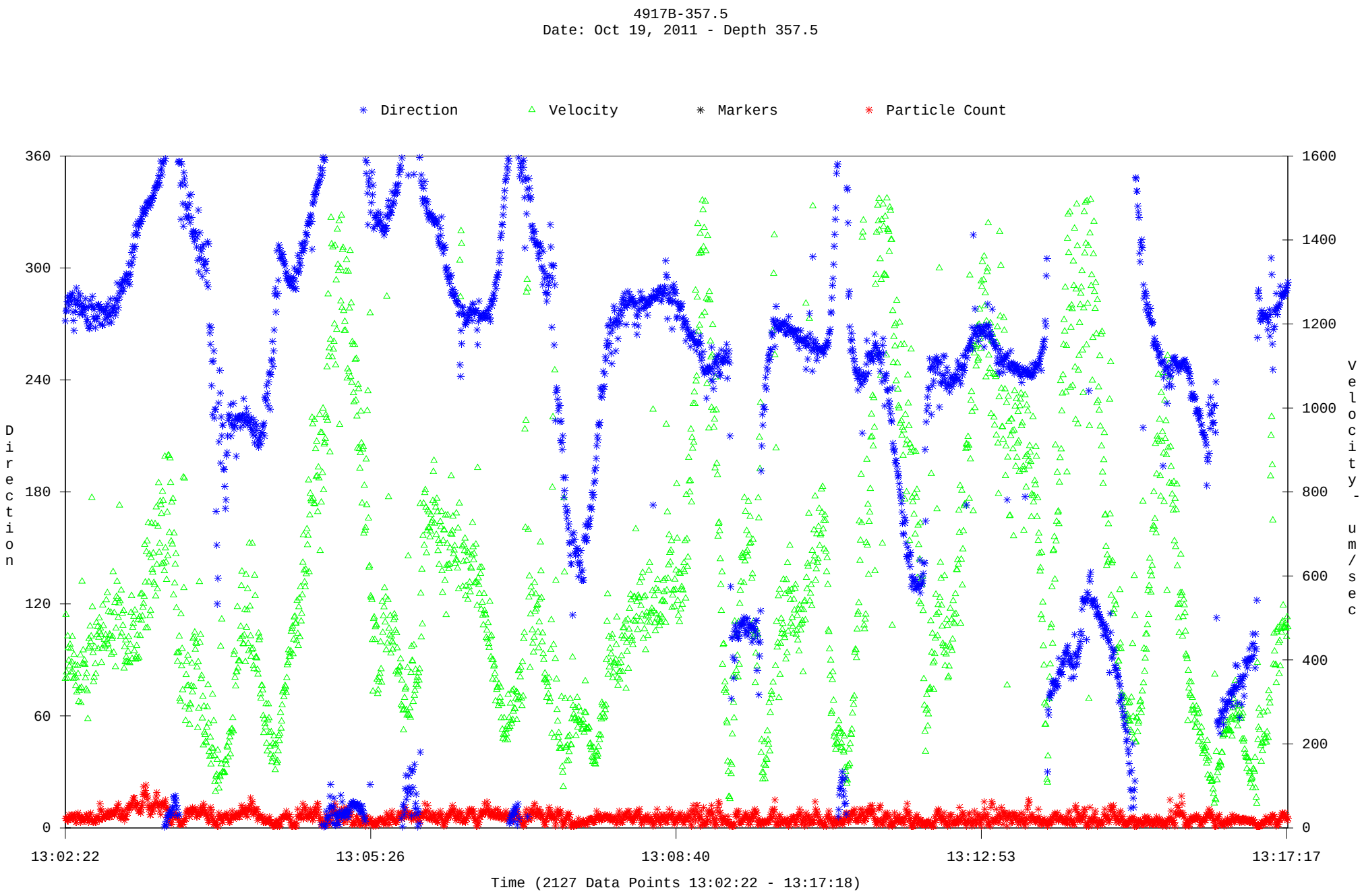
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	585.09	504.95	58.04	1499.64	331.62
ft/day:	166.22	143.45	16.49	426.04	94.21
ft/day / 2:	83.11	71.73	8.24	213.02	47.11
ft/day / 3:	55.41	47.82	5.50	142.01	31.40
ft/day / 4:	41.55	35.86	4.12	106.51	23.55

Velocity Vector:

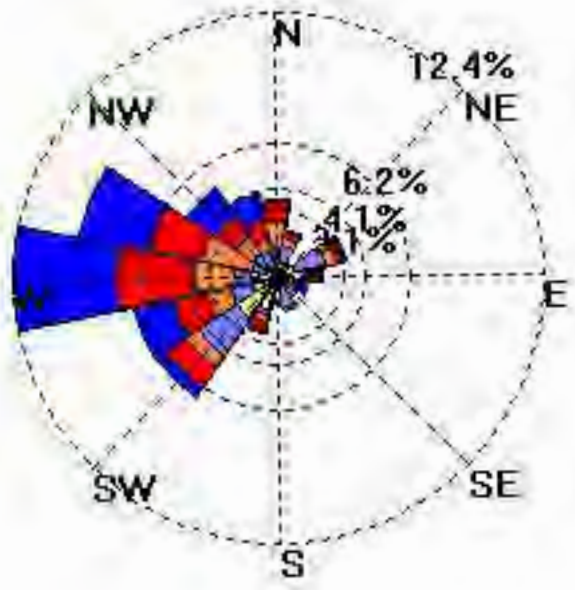
Azimuth: 278.57

Actual Velocity

um/sec:	253.48
ft/day:	72.01
ft/day / 2:	36.01
ft/day / 3:	24.00
ft/day / 4:	18.00



Avg. Dir: 278.57 - Avg.Vel: 253.48
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-357.5.aqv



49178-057.6 Dont' - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-357.75
Depth: 357.75
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 16:26:02 - 16:34:32
Data Points: 1442

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	190.03	199.44	0.18	359.91	88.99

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	943.63	803.43	73.40	4716.60	586.06
ft/day:	268.08	228.25	20.85	1339.94	166.49
ft/day / 2:	134.04	114.12	10.43	669.97	83.25
ft/day / 3:	89.36	76.08	6.95	446.65	55.50
ft/day / 4:	67.02	57.06	5.21	334.99	41.62

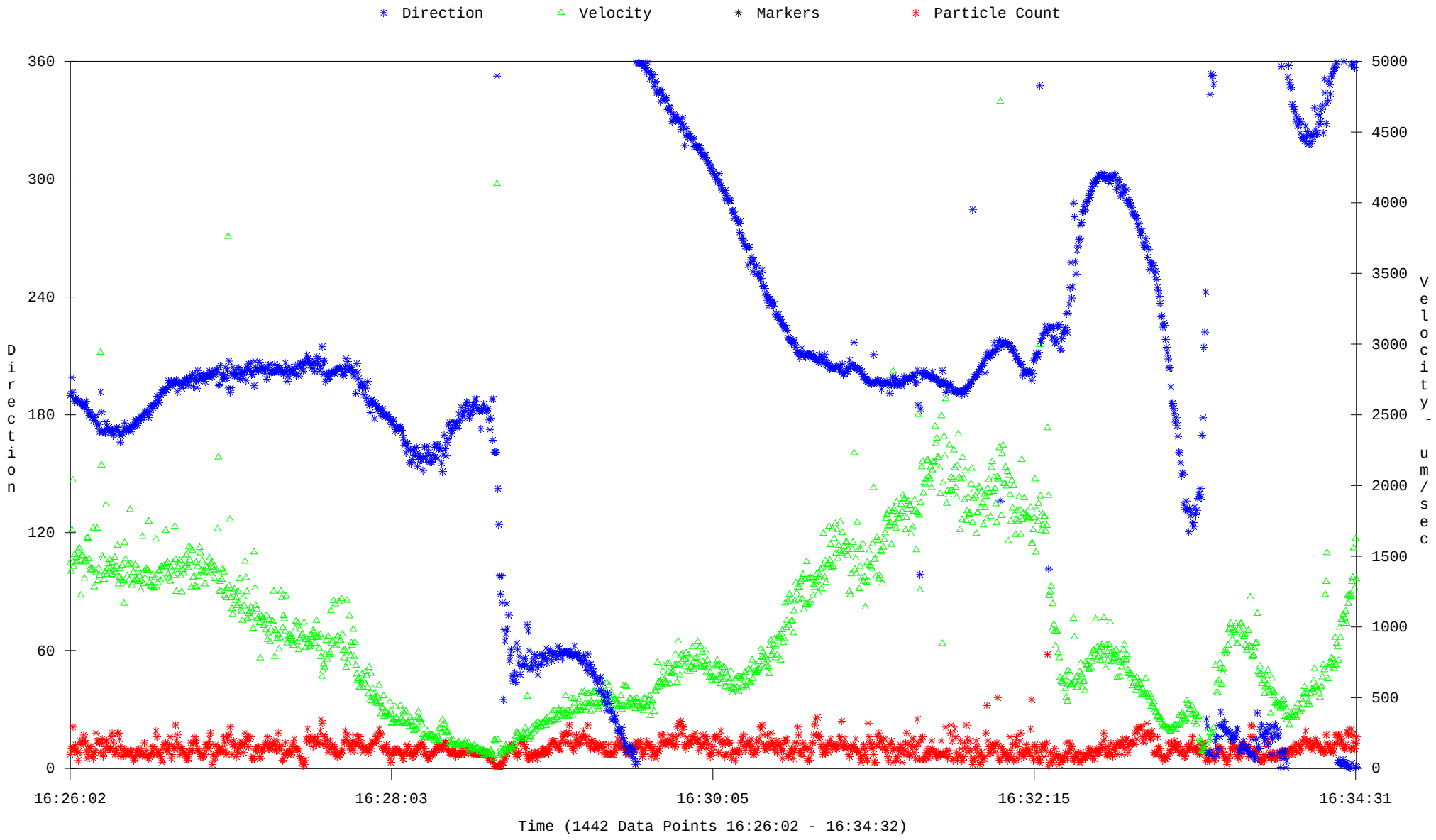
Velocity Vector:

Azimuth: 212.88

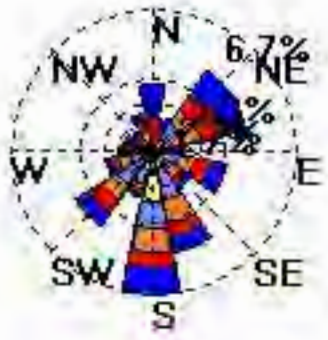
Actual Velocity

um/sec:	554.39
ft/day:	157.50
ft/day / 2:	78.75
ft/day / 3:	52.50
ft/day / 4:	39.37

4917B-357.75
Date: Oct 19, 2011 - Depth 357.75



Avg. Dir: 212.88 - Avg.Vel: 554.39
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-357.25.aqv



Colloid Velocity (um/s)

- 450 - 525
- 375 - 450
- 300 - 375
- 225 - 300
- 150 - 225
- 75 - 150
- 0 - 75

49178-357.75 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-358
Depth: 358
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 14:55:20 - 15:01:57
Data Points: 274

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
144.04	126.44	4.20	358.98	98.40

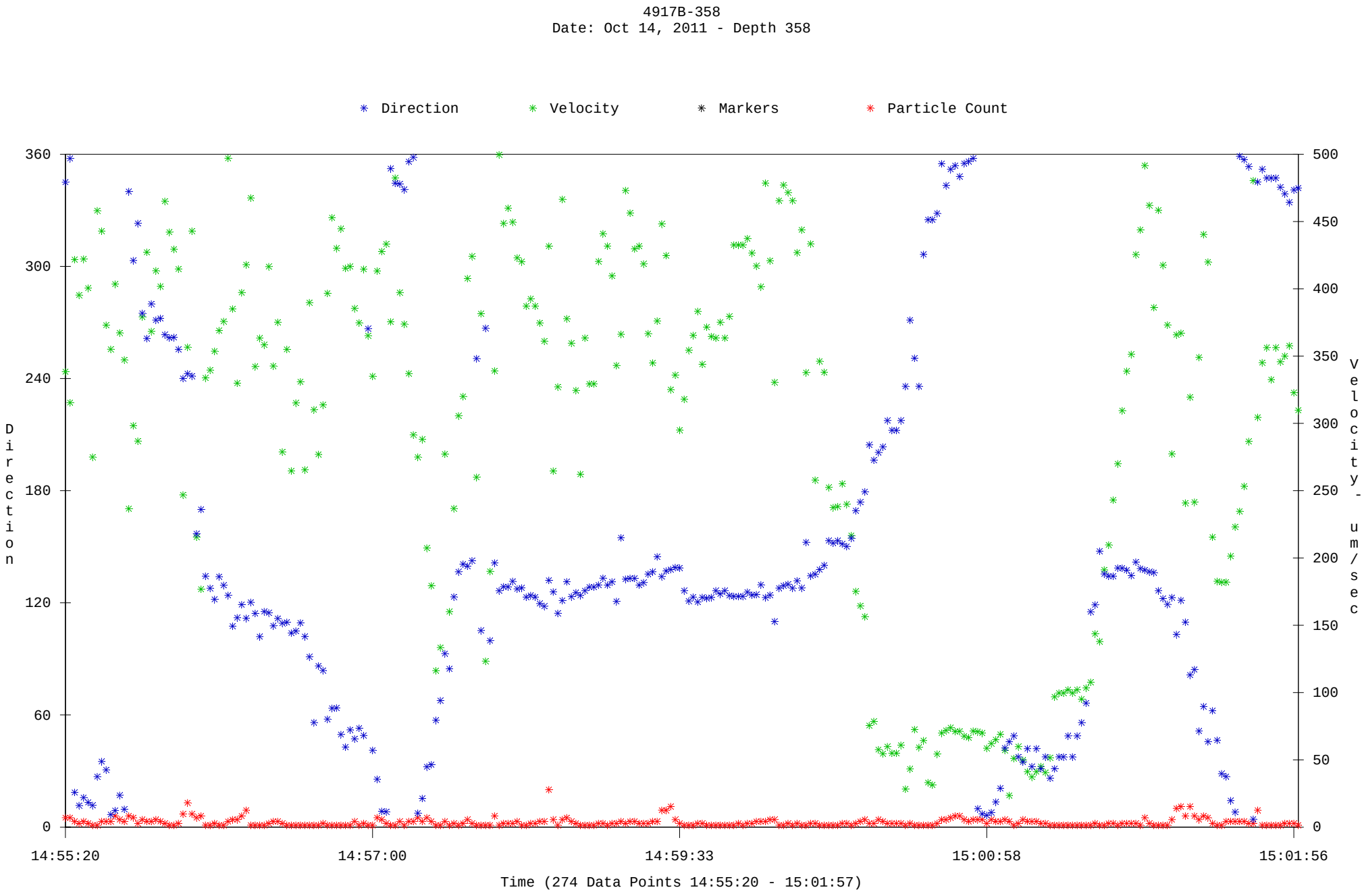
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	298.50	342.65	23.55	499.74	135.03
ft/day:	84.80	97.34	6.69	141.97	38.36
ft/day / 2:	42.40	48.67	3.35	70.99	19.18
ft/day / 3:	28.27	32.45	2.23	47.32	12.79
ft/day / 4:	21.20	24.34	1.67	35.49	9.59

Velocity Vector:

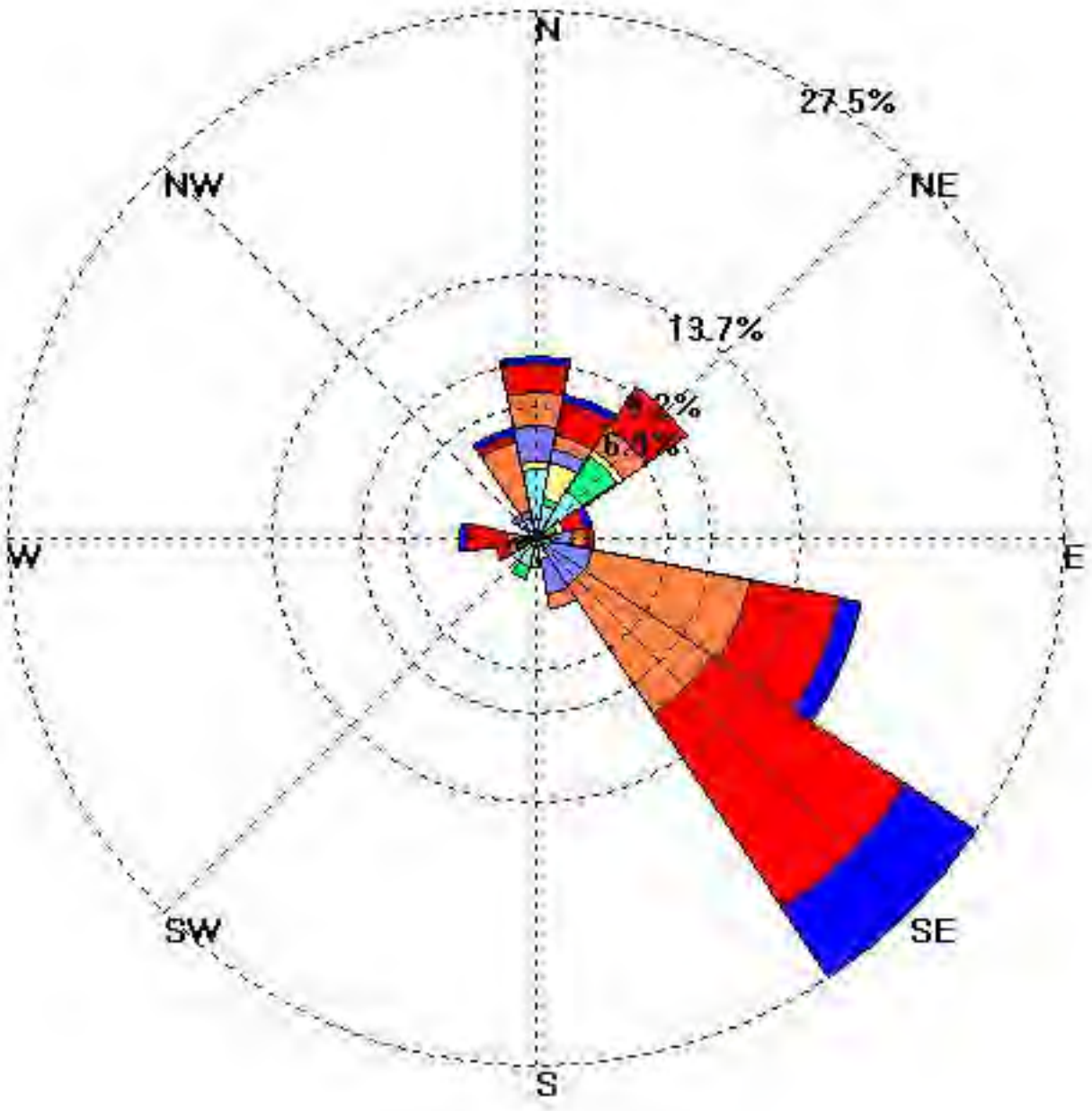
Azimuth: 93.57

Actual Velocity

um/sec:	149.58
ft/day:	42.49
ft/day / 2:	21.25
ft/day / 3:	14.16
ft/day / 4:	10.62



Avg. Dir: 93.57 - Avg.Vel: 149.58
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-358.aqv



49178-356 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-358
Depth: 358
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 12:44:16 - 13:00:15
Data Points: 2431

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
189.19	199.68	0.09	359.92	96.03

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	573.07	574.16	15.01	2882.73	246.75
ft/day:	162.80	163.11	4.26	818.96	70.10
ft/day / 2:	81.40	81.56	2.13	409.48	35.05
ft/day / 3:	54.27	54.37	1.42	272.99	23.37
ft/day / 4:	40.70	40.78	1.07	204.74	17.52

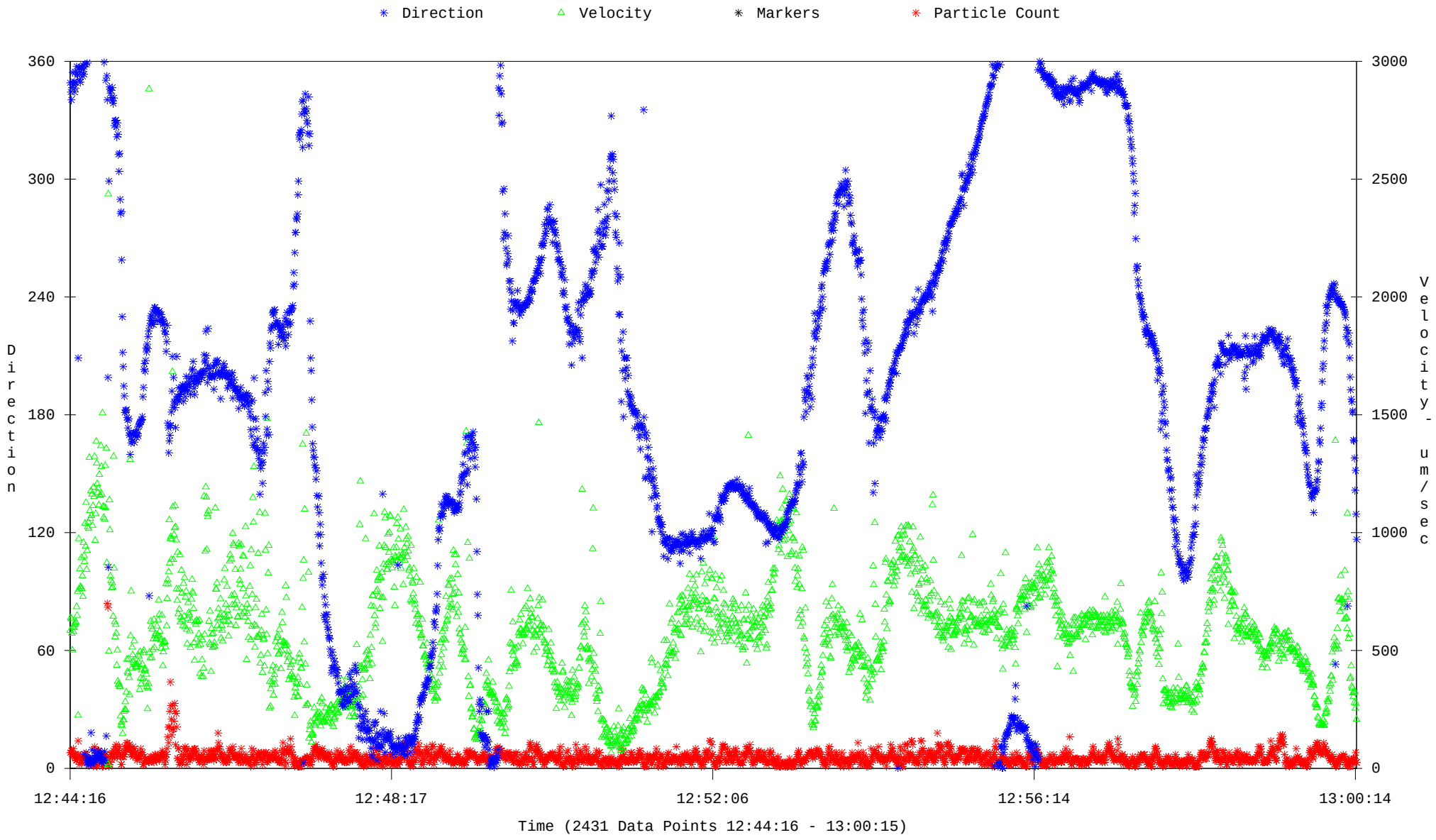
Velocity Vector:

Azimuth: 210.88

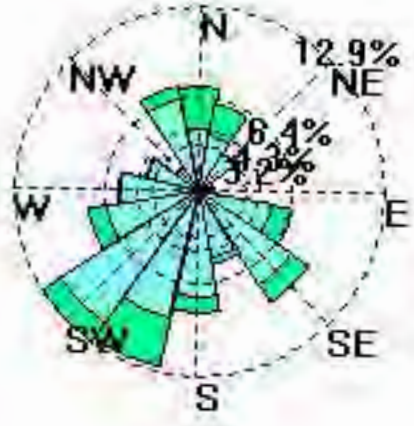
Actual Velocity

um/sec:	107.03
ft/day:	30.41
ft/day / 2:	15.20
ft/day / 3:	10.14
ft/day / 4:	7.60

4917B-358
Date: Oct 19, 2011 - Depth 358



Avg. Dir: 210.88 - Avg.Vel: 107.03
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-358.aqv



Colloid Velocity (um/s)

- 4200 - 4980
- 3500 - 4200
- 2800 - 3500
- 2100 - 2800
- 1400 - 2100
- 700 - 1400
- 0 - 700

49178-356 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4916B-358
Depth: 358
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 14:37:49 - 14:39:35
Data Points: 35

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
151.66	177.58	5.54	359.29	94.13

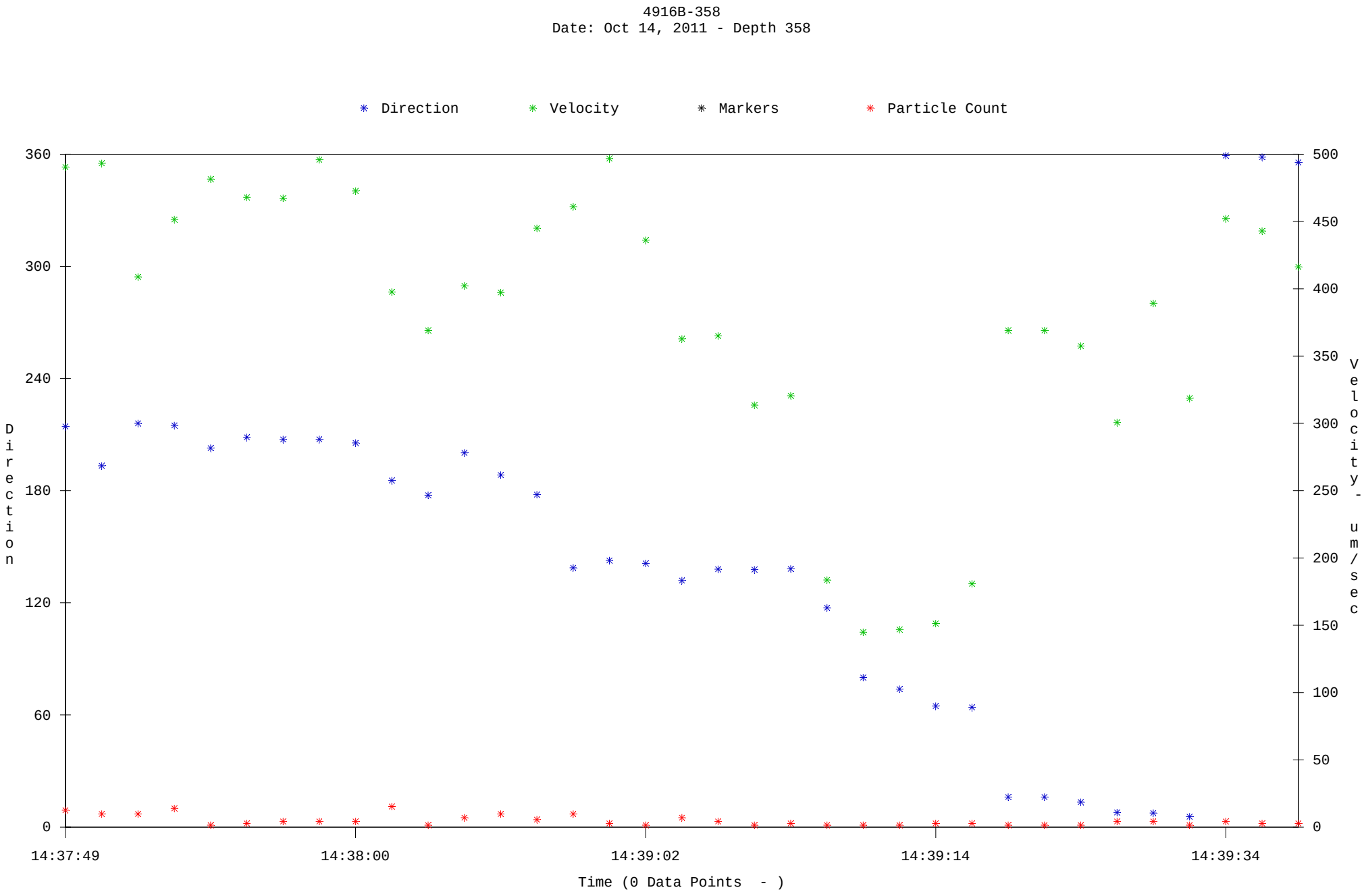
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	377.72	402.25	144.83	496.82	103.85
ft/day:	107.31	114.27	41.15	141.14	29.50
ft/day / 2:	53.65	57.14	20.57	70.57	14.75
ft/day / 3:	35.77	38.09	13.72	47.05	9.83
ft/day / 4:	26.83	28.57	10.29	35.29	7.38

Velocity Vector:

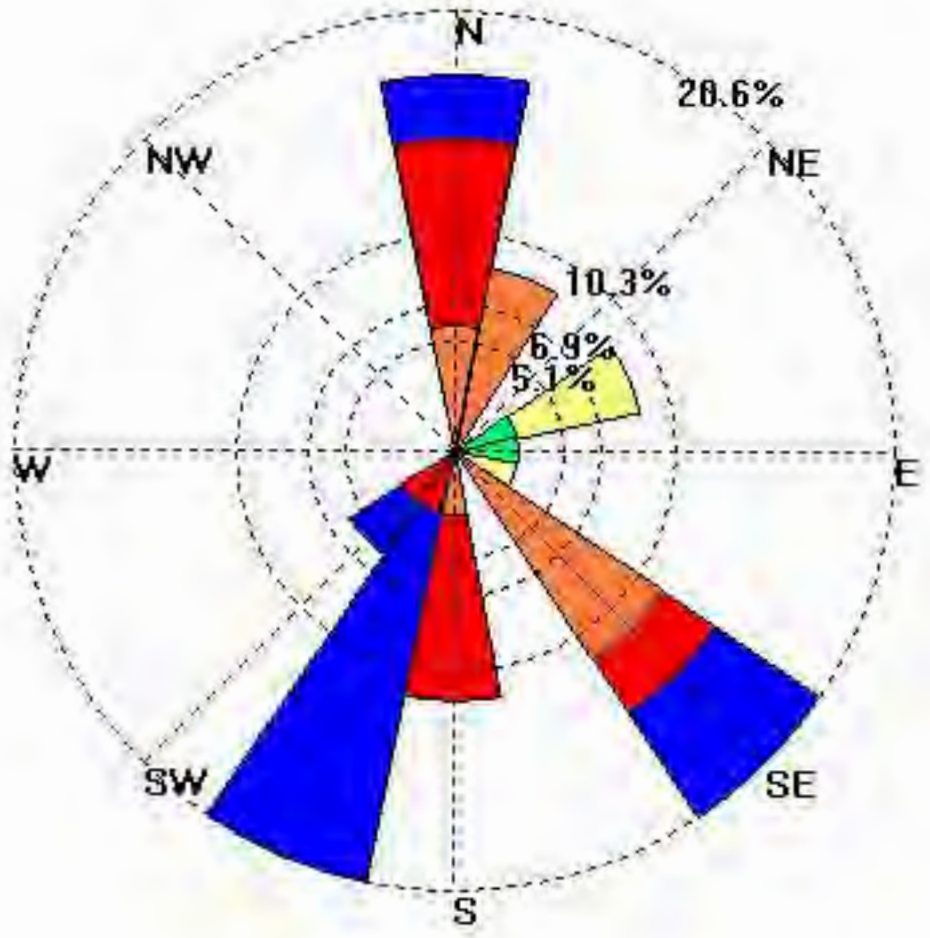
Azimuth: 145.90

Actual Velocity

um/sec:	124.04
ft/day:	35.24
ft/day / 2:	17.62
ft/day / 3:	11.75
ft/day / 4:	8.81



Avg. Dir: 145.90 - Avg.Vel: 124.04
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-358 (2).aqv



Colloid Velocity (um/s)

- 450 - 525
- 375 - 450
- 300 - 375
- 225 - 300
- 150 - 225
- 75 - 150
- 0 - 75

49178-358b - Groundwater Flow Direction vs. Velocit

Well Analysis Summary

Well Name: 4917B-359
Depth: 359
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 15:12:34 - 15:24:40
Data Points: 305

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
184.61	172.26	1.81	359.30	98.70

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	224.78	205.26	33.44	494.08	129.46
ft/day:	63.86	58.31	9.50	140.36	36.78
ft/day / 2:	31.93	29.16	4.75	70.18	18.39
ft/day / 3:	21.29	19.44	3.17	46.79	12.26
ft/day / 4:	15.96	14.58	2.37	35.09	9.19

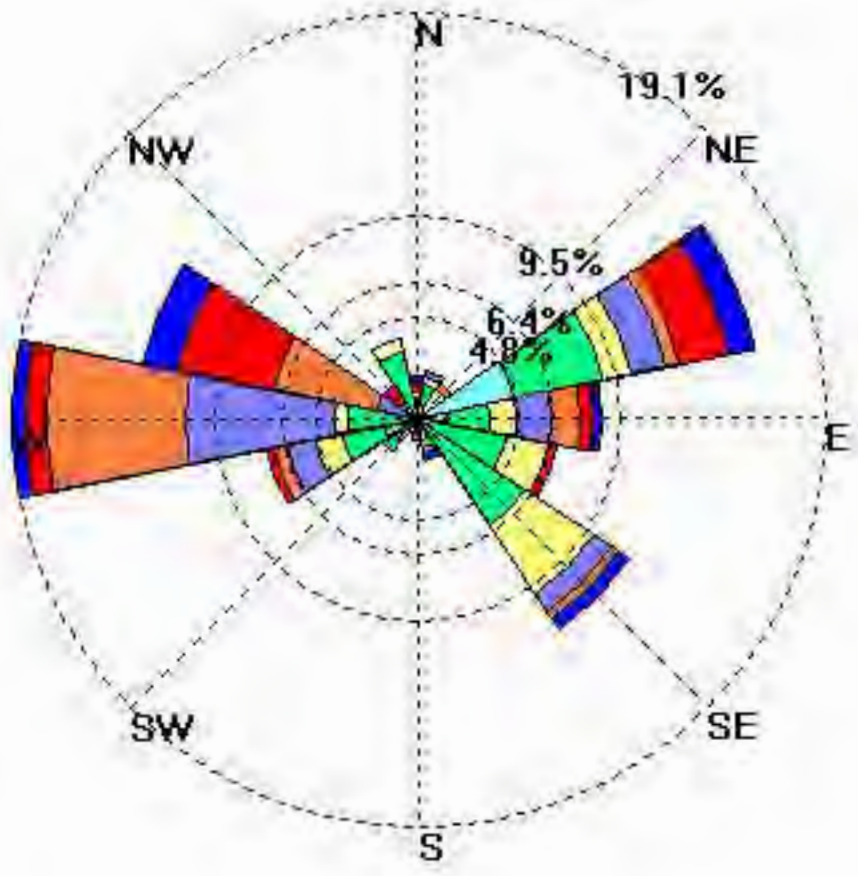
Velocity Vector:

Azimuth: 346.18

Actual Velocity

um/sec:	44.43
ft/day:	12.62
ft/day / 2:	6.31
ft/day / 3:	4.21
ft/day / 4:	3.16

4917B-359
Date: Oct 14, 2011 - Depth 359
Direction
Velocity
Markers
Particle Count
360
300
240
180
120
60
0
Direction
500
450
400
350
300
250
200
150
100
50
0
Velocity - um/sec
15:12:34
15:19:51
15:21:29
15:23:06
15:24:40
Time (305 Data Points 15:12:34 - 15:24:40)
Avg. Dir: 346.18 - Avg.Vel: 44.43
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-359.aqv



49178-359 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-360
Depth: 360
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 14:09:40 - 14:22:47
Data Points: 1968

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	253.12	311.26	0.28	359.71	116.35

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	836.71	783.26	17.25	2975.36	511.96
ft/day:	237.70	222.52	4.90	845.27	145.44
ft/day / 2:	118.85	111.26	2.45	422.64	72.72
ft/day / 3:	79.23	74.17	1.63	281.76	48.48
ft/day / 4:	59.43	55.63	1.22	211.32	36.36

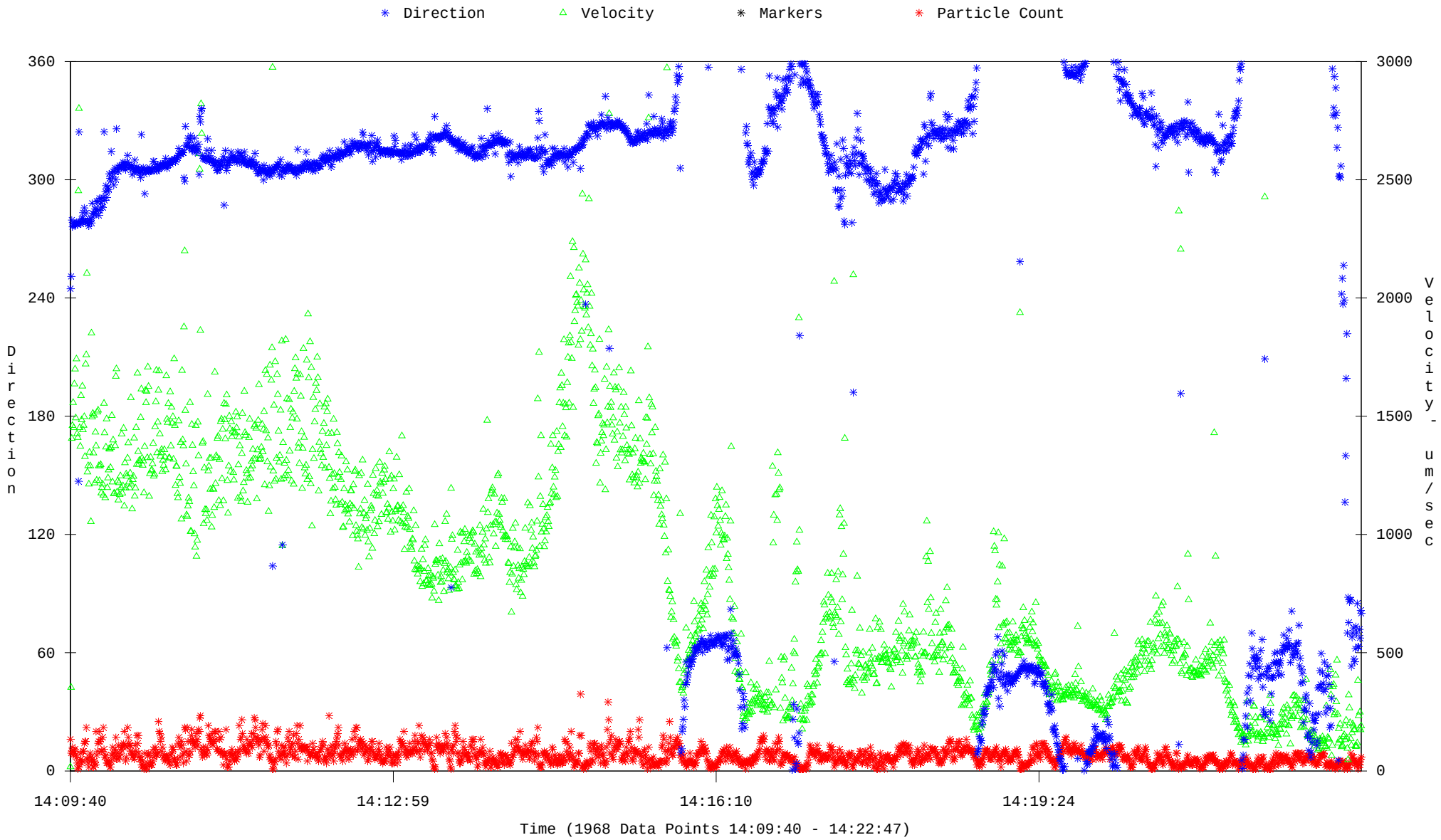
Velocity Vector:

Azimuth: 332.52

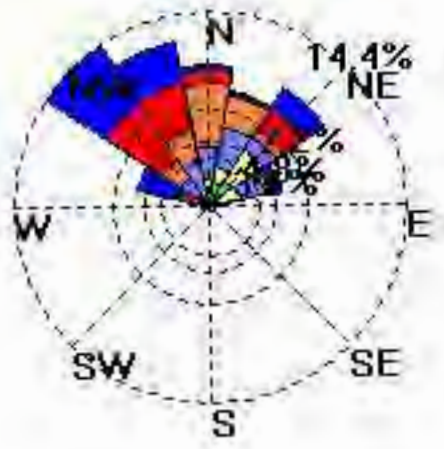
Actual Velocity

um/sec:	704.47
ft/day:	200.13
ft/day / 2:	100.07
ft/day / 3:	66.71
ft/day / 4:	50.03

4917B-360
Date: Oct 19, 2011 - Depth 360



Avg. Dir: 332.52 - Avg.Vel: 704.47
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-360.aqv



Colloid Velocity (um/s)

- 450 - 525
- 375 - 450
- 300 - 375
- 225 - 300
- 150 - 225
- 75 - 150
- 0 - 75

4917A-380 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-362.5
Depth: 362.5
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 14:27:36 - 14:34:14
Data Points: 1042

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
81.34	80.09	56.62	108.53	6.54

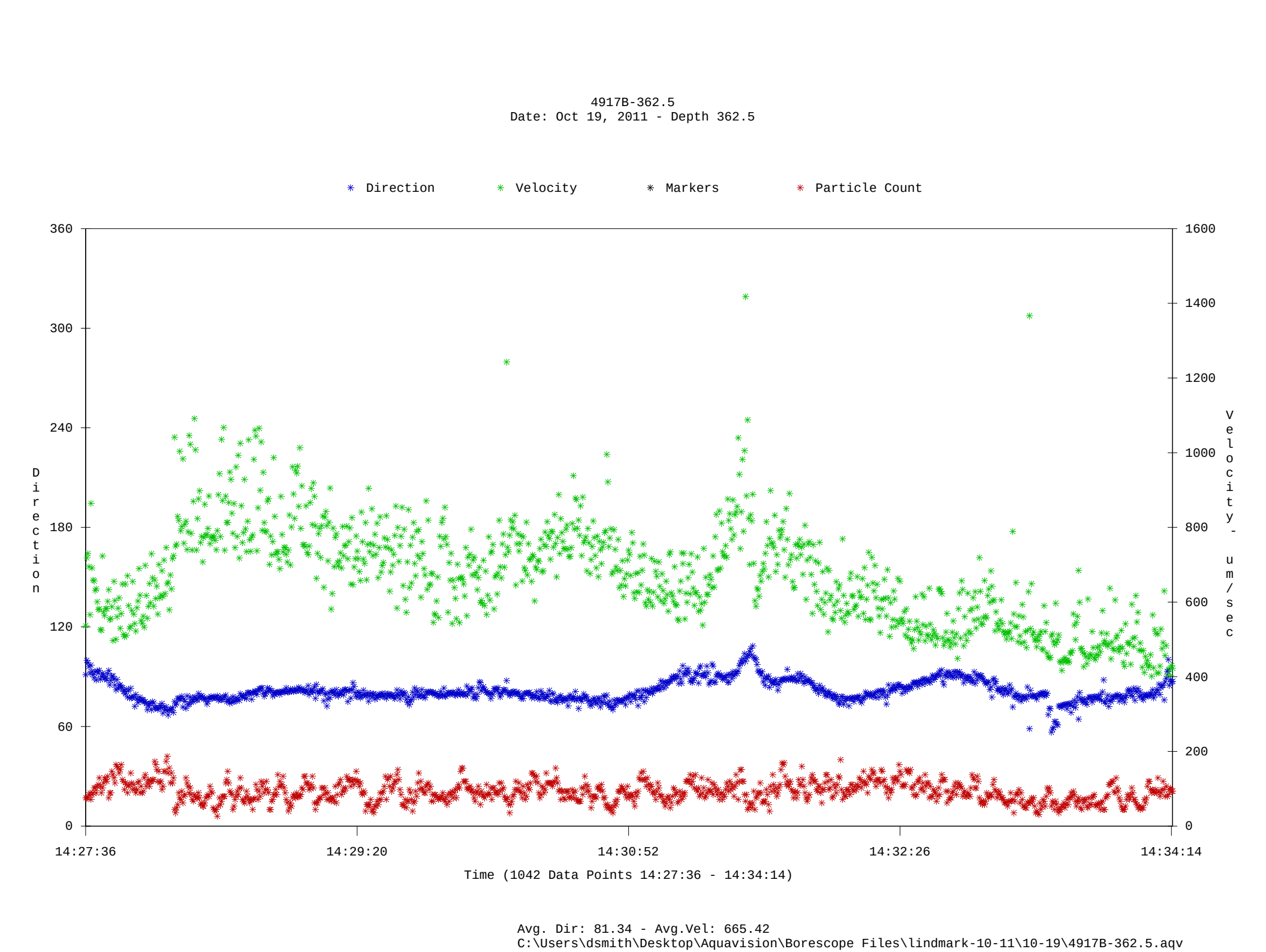
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	669.83	667.39	401.27	1418.15	137.10
ft/day:	190.29	189.60	114.00	402.88	38.95
ft/day / 2:	95.15	94.80	57.00	201.44	19.47
ft/day / 3:	63.43	63.20	38.00	134.29	12.98
ft/day / 4:	47.57	47.40	28.50	100.72	9.74

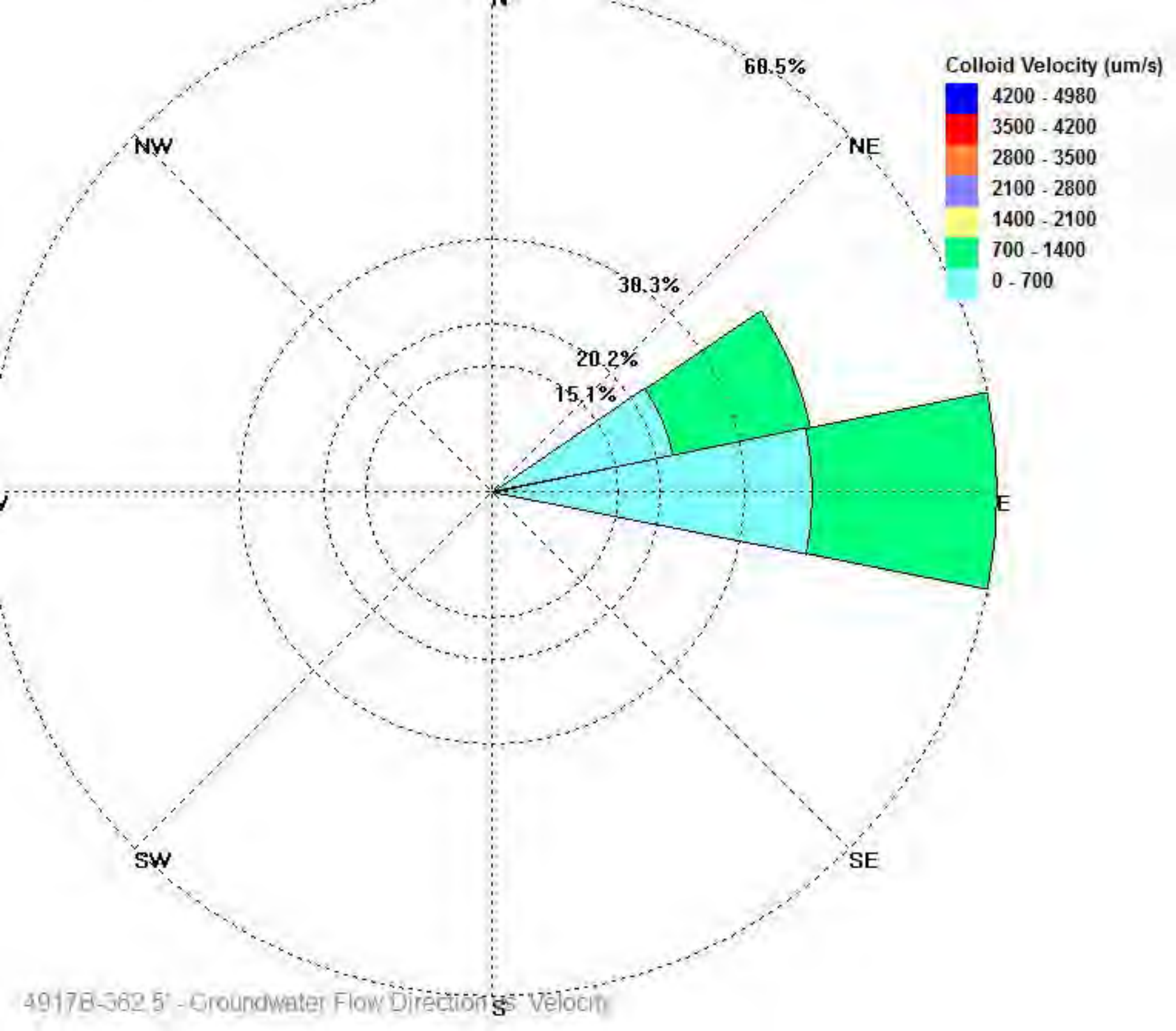
Velocity Vector:

Azimuth: 81.34

Actual Velocity

um/sec:	665.42
ft/day:	189.04
ft/day / 2:	94.52
ft/day / 3:	63.01
ft/day / 4:	47.26


4917B-362.5
Date: Oct 19, 2011 - Depth 362.5
Direction
Velocity
Markers
Particle Count
360
300
240
180
120
60
0
Direction
1600
1400
1200
1000
800
600
400
200
0
Velocity - um/sec
14:27:36
14:29:20
14:30:52
14:32:26
14:34:14
Time (1042 Data Points 14:27:36 - 14:34:14)
Avg. Dir: 81.34 - Avg.Vel: 665.42
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\10-19\4917B-362.5.aqv


Colloid Velocity (um/s)
4200 - 4980
3500 - 4200
2800 - 3500
2100 - 2800
1400 - 2100
700 - 1400
0 - 700
68.5%
38.3%
20.2%
15.1%
N
NE
E
SE
S
SW
NW
49178-382.5' - Groundwater Flow Direction vs Velocity

Well Analysis Summary

Well Name: 4917B-362.5
Depth: 362.5
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 14:36:29 - 14:55:11
Data Points: 1599

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	132.07	35.35	0.01	359.95	148.11

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	155.92	146.60	25.75	2328.19	116.63
ft/day:	44.30	41.65	7.32	661.42	33.13
ft/day / 2:	22.15	20.82	3.66	330.71	16.57
ft/day / 3:	14.77	13.88	2.44	220.47	11.04
ft/day / 4:	11.07	10.41	1.83	165.35	8.28

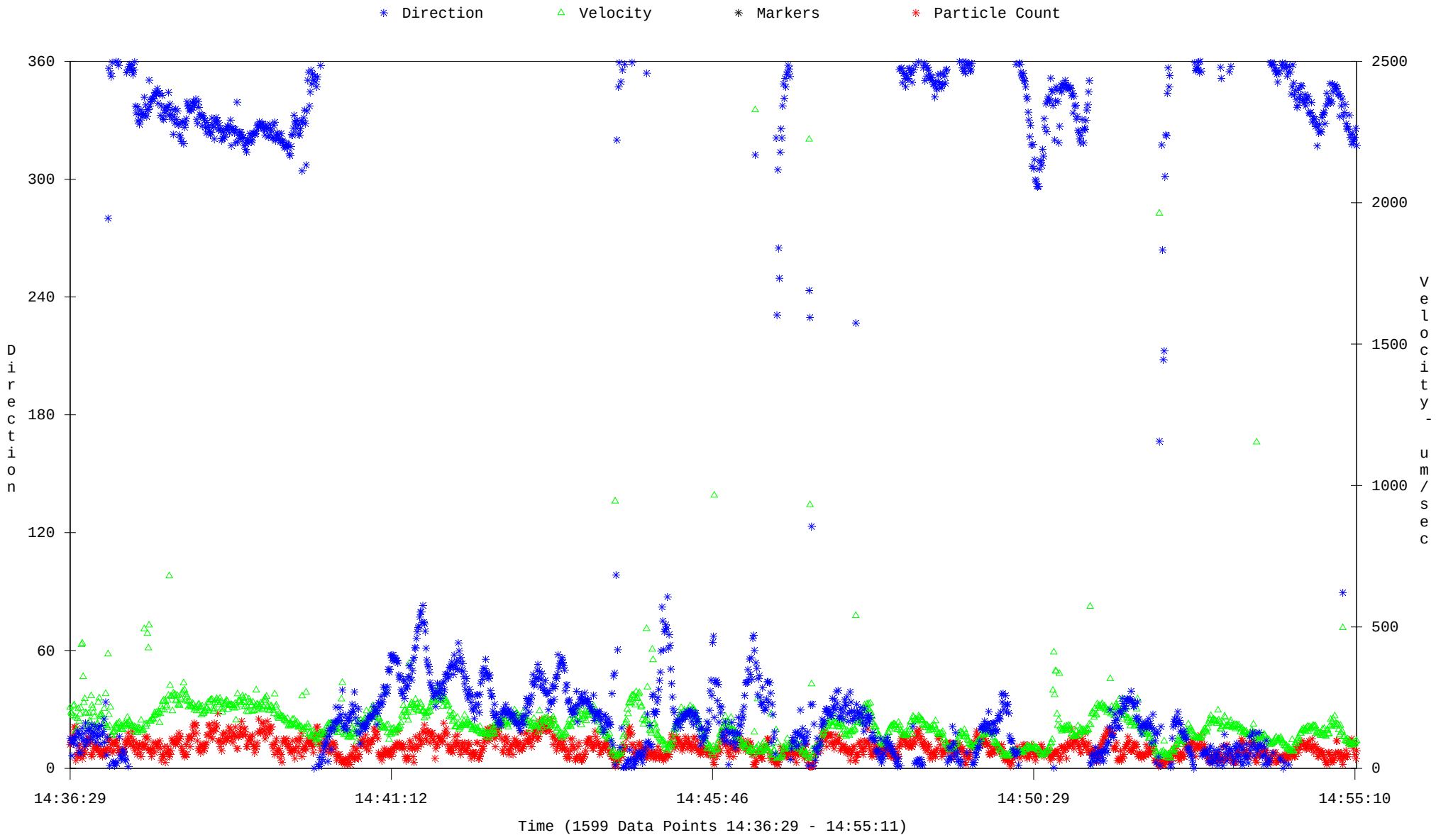
Velocity Vector:

Azimuth:	8.84

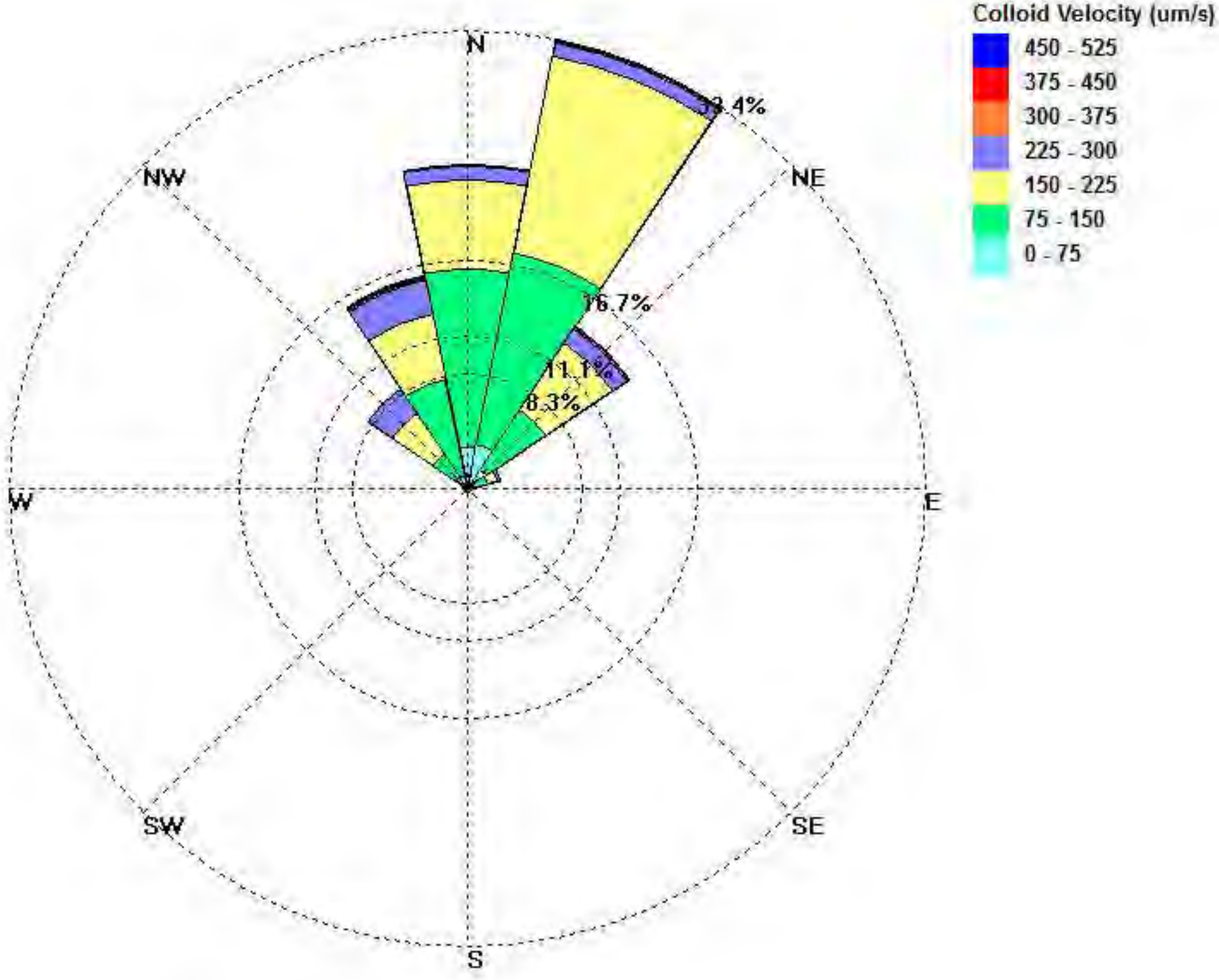
Actual Velocity

um/sec:	130.53
ft/day:	37.08
ft/day / 2:	18.54
ft/day / 3:	12.36
ft/day / 4:	9.27

4917B-362.5
Date: Oct 19, 2011 - Depth 362.5



Avg. Dir: 8.84 - Avg.Vel: 130.53
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-362.5 cont.aqv



4917B-382.5' - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-362.5
Depth: 362.5
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 14:56:37 - 14:58:02
Data Points: 70

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	138.20	94.49	6.21	358.50	110.02

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	127.28	139.12	32.88	373.97	64.15
ft/day:	36.16	39.52	9.34	106.24	18.22
ft/day / 2:	18.08	19.76	4.67	53.12	9.11
ft/day / 3:	12.05	13.17	3.11	35.41	6.07
ft/day / 4:	9.04	9.88	2.34	26.56	4.56

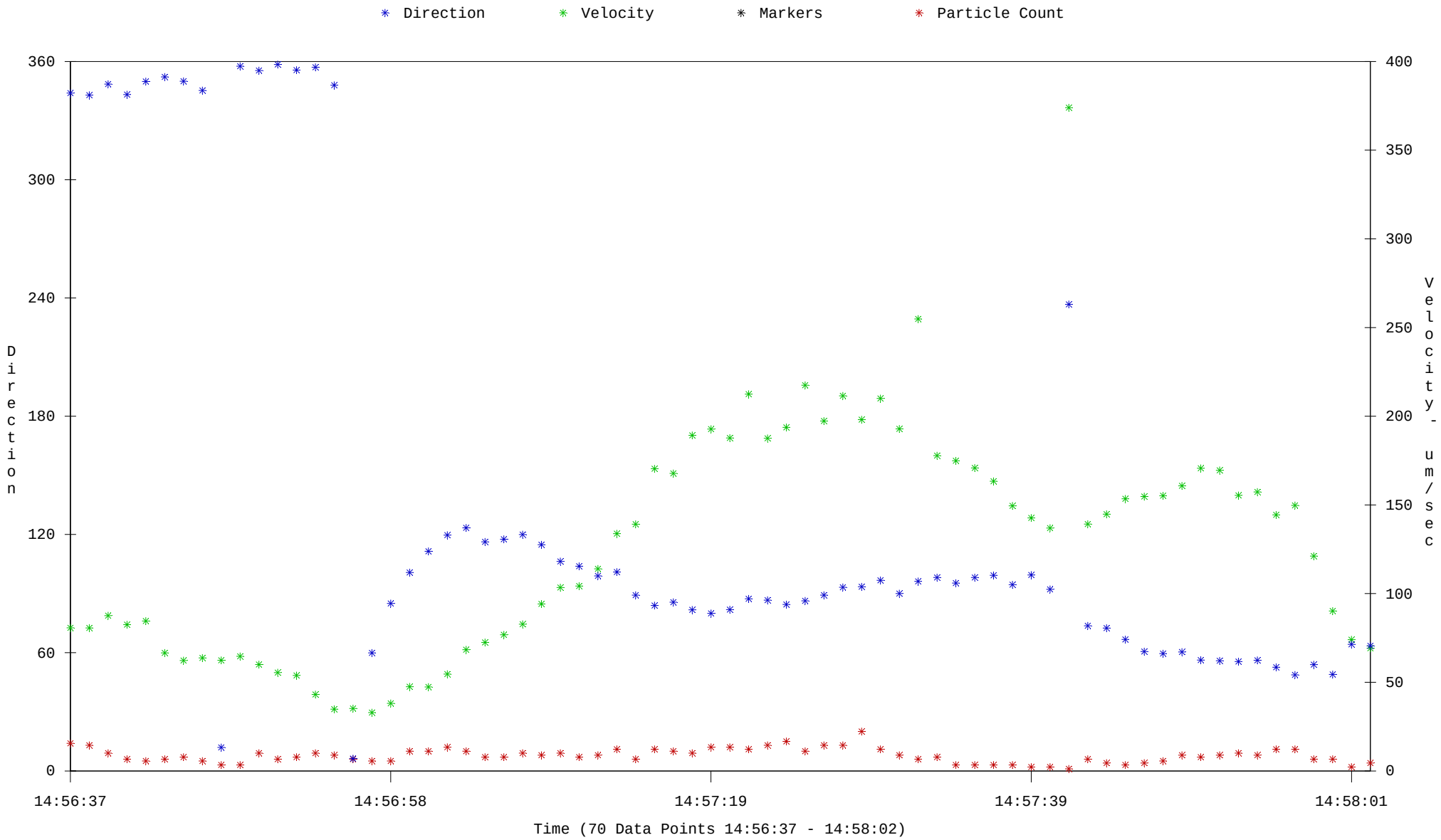
Velocity Vector:

Azimuth: 67.46

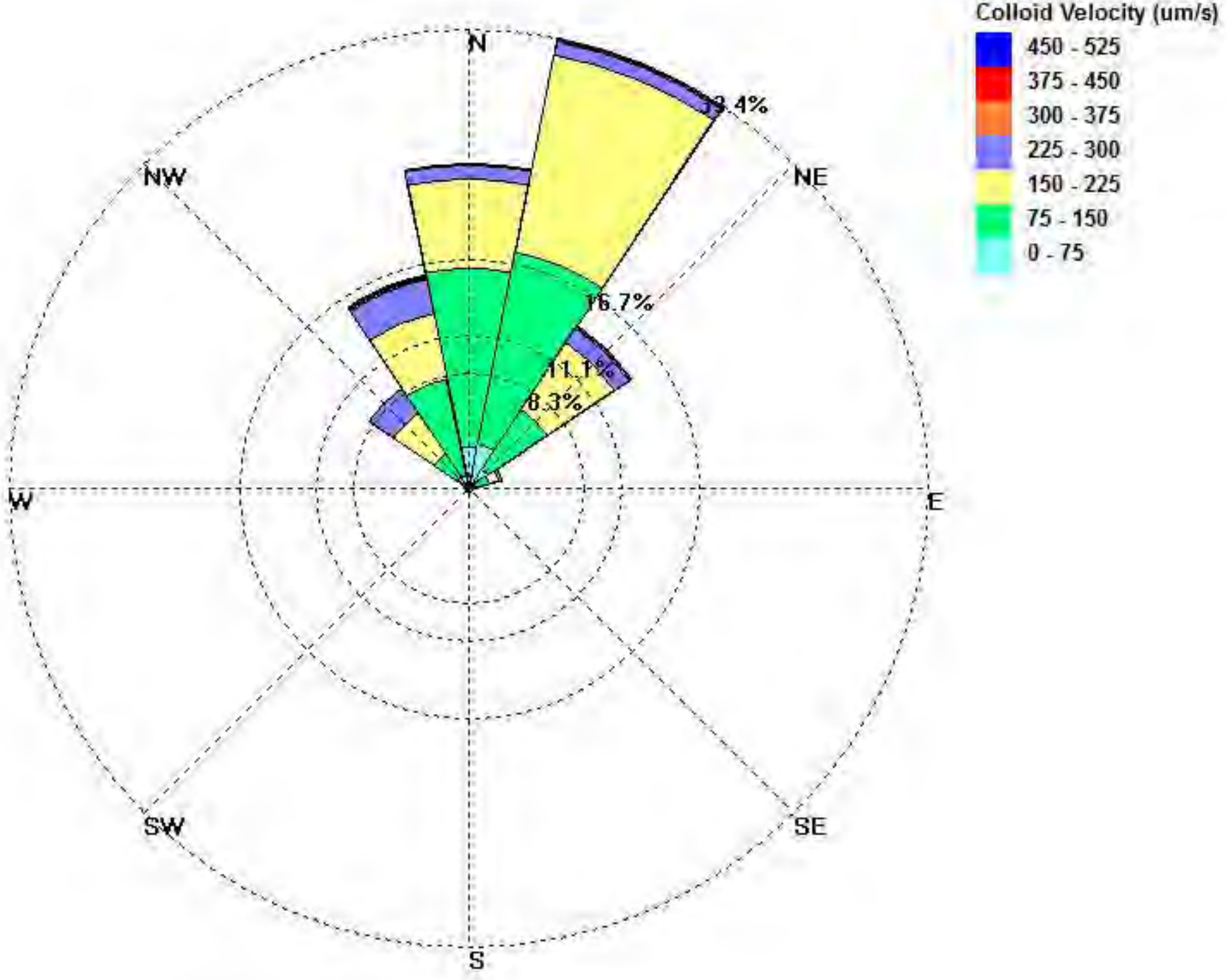
Actual Velocity

um/sec:	97.46
ft/day:	27.69
ft/day / 2:	13.84
ft/day / 3:	9.23
ft/day / 4:	6.92

4917B-362.5
Date: Oct 19, 2011 - Depth 362.5



Avg. Dir: 67.46 - Avg.Vel: 97.46
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\10-19\4917B-362.5 cont.aqv



4917B-382.5 Cont' - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-365
Depth: 365
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 14:59:56 - 15:13:17
Data Points: 1046

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	144.46	144.81	0.18	359.92	89.48

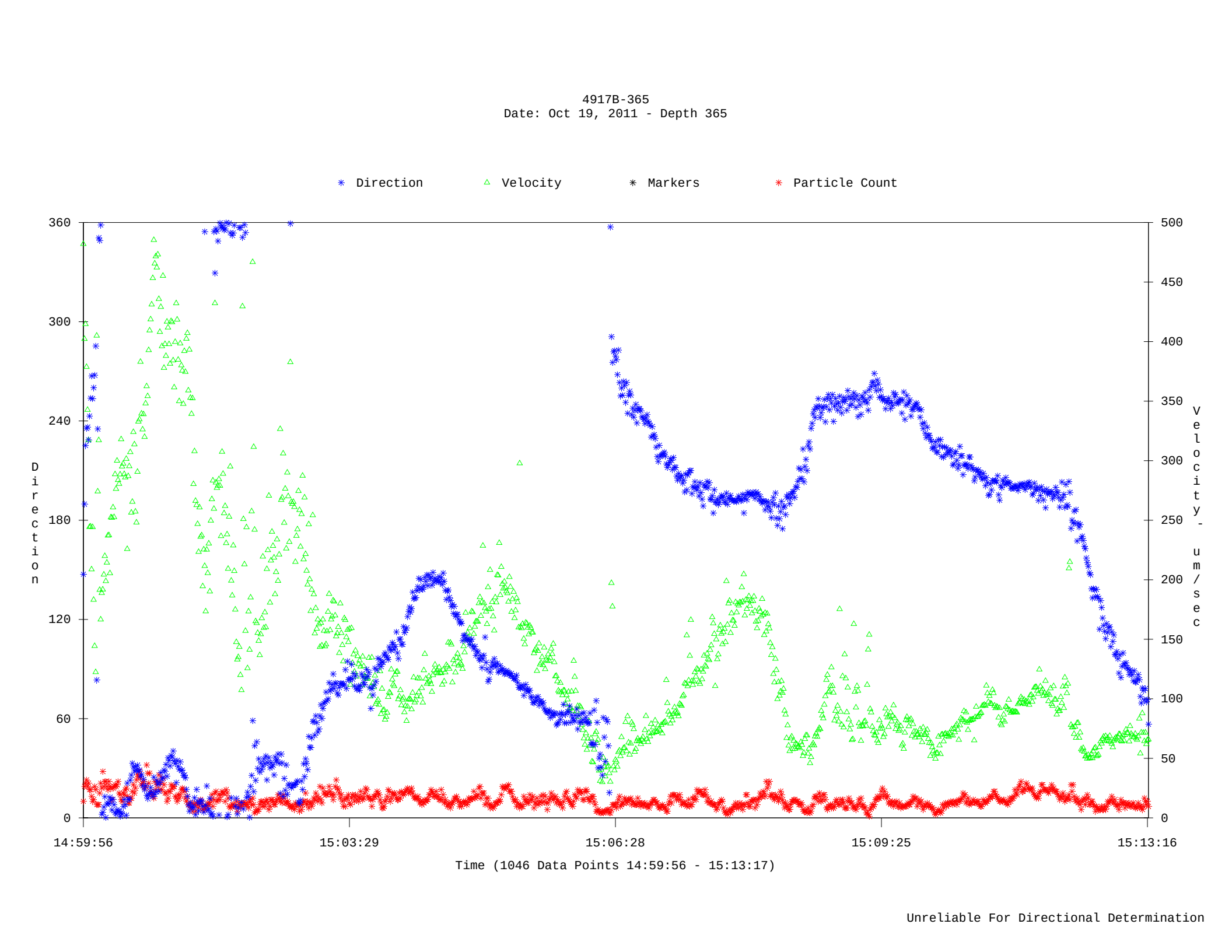
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	143.70	113.84	30.01	485.40	89.89
ft/day:	40.82	32.34	8.53	137.90	25.54
ft/day / 2:	20.41	16.17	4.26	68.95	12.77
ft/day / 3:	13.61	10.78	2.84	45.97	8.51
ft/day / 4:	10.21	8.08	2.13	34.47	6.38

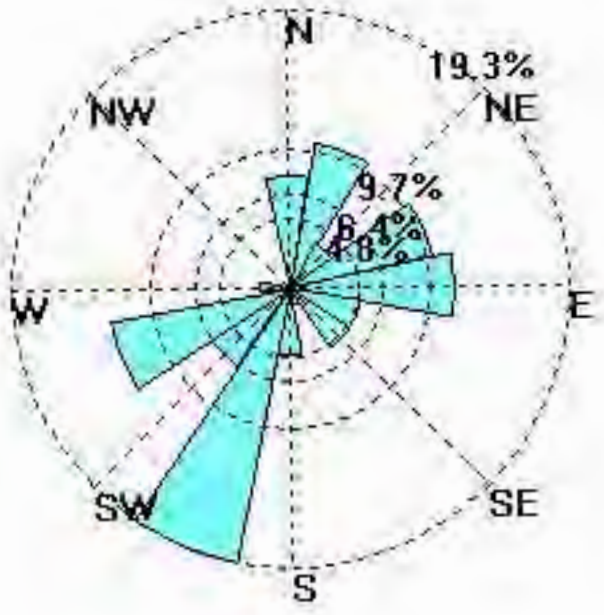
Velocity Vector:

Azimuth: *** NOTE: Unreliable for directional determination

Actual Velocity

*** NOTE: Unreliable for directional determination


4917B-365
Date: Oct 19, 2011 - Depth 365
Direction
Velocity
Markers
Particle Count
360
300
240
180
120
60
0
Direction
500
450
400
350
300
250
200
150
100
50
0
Velocity - um/sec
14:59:56
15:03:29
15:06:28
15:09:25
15:13:16
Time (1046 Data Points 14:59:56 - 15:13:17)
Unreliable For Directional Determination



Colloid Velocity (um/s)

- 4200 - 4980
- 3500 - 4200
- 2800 - 3500
- 2100 - 2800
- 1400 - 2100
- 700 - 1400
- 0 - 700

Well Analysis Summary

Well Name: 4917B-370
Depth: 370
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 16:38:08 - 16:41:18
Data Points: 541

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	146.27	69.04	0.32	359.64	111.40

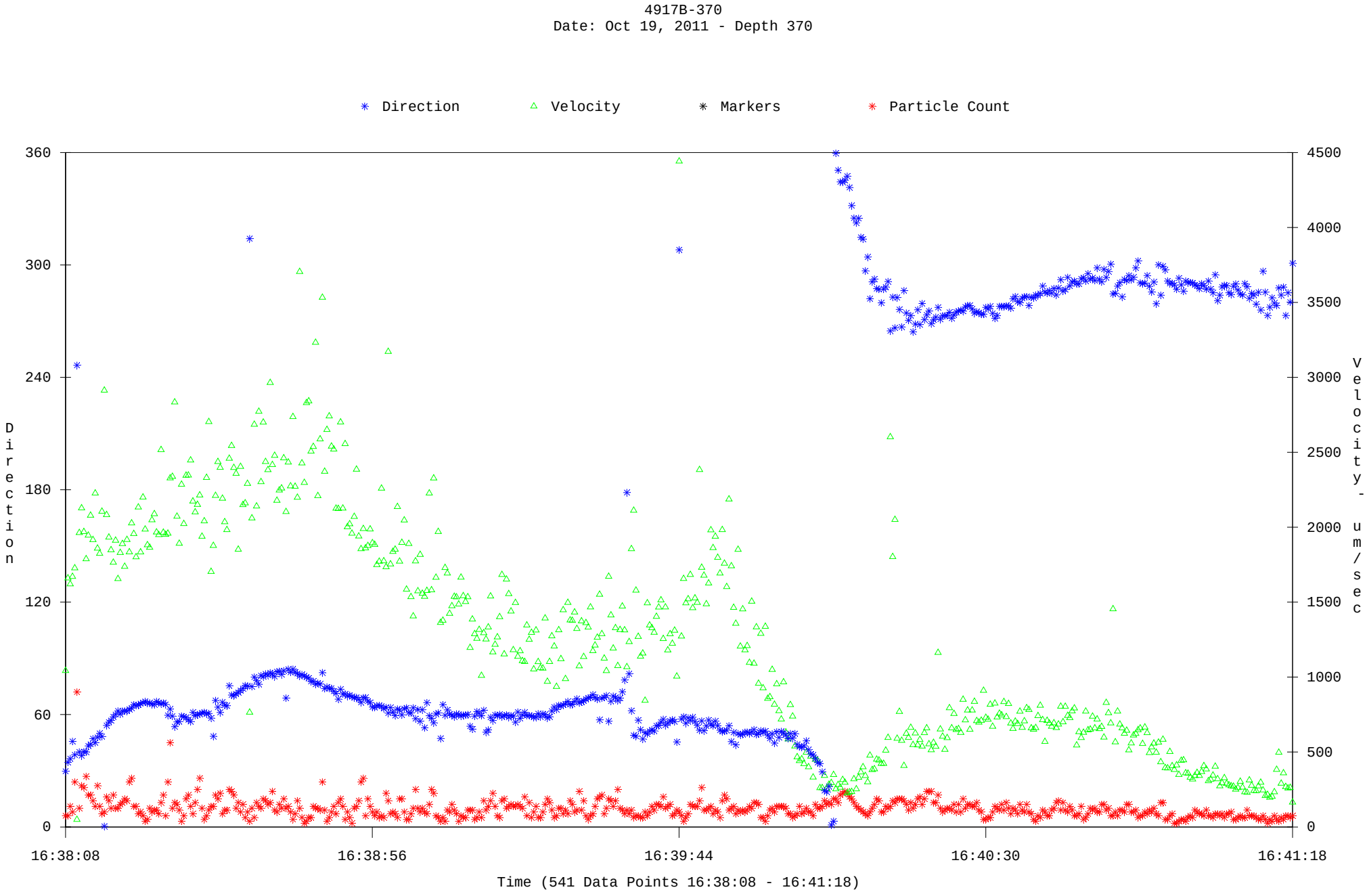
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	1258.74	1217.21	49.65	4442.02	751.36
ft/day:	357.60	345.80	14.11	1261.94	213.45
ft/day / 2:	178.80	172.90	7.05	630.97	106.73
ft/day / 3:	119.20	115.27	4.70	420.65	71.15
ft/day / 4:	89.40	86.45	3.53	315.48	53.36

Velocity Vector:

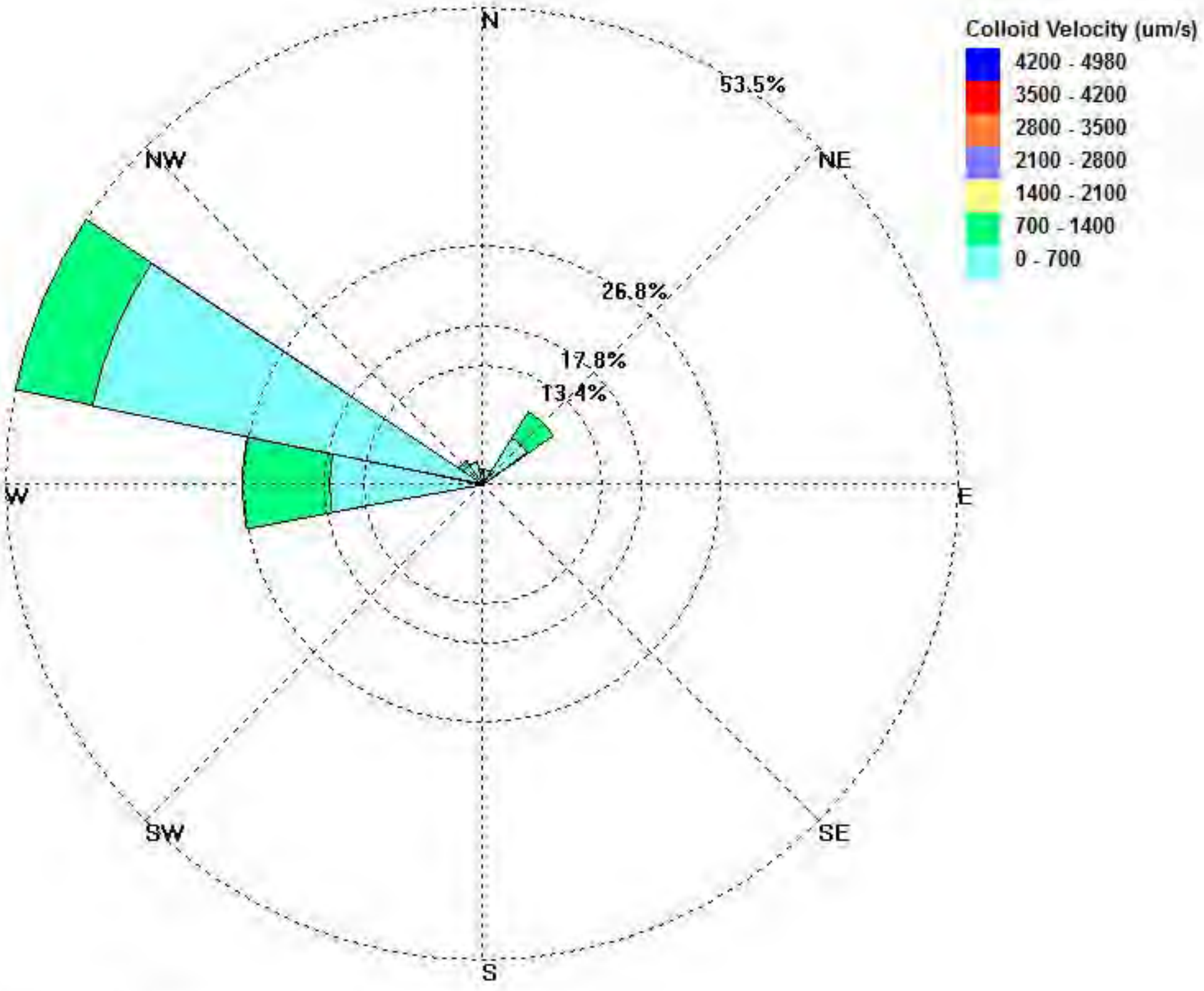
Azimuth: 22.87

Actual Velocity

um/sec:	872.01
ft/day:	247.73
ft/day / 2:	123.86
ft/day / 3:	82.58
ft/day / 4:	61.93



Avg. Dir: 22.87 - Avg.Vel: 872.01
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-370.aqv



49178-370' - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-340
Depth: 340
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 13:55:25 - 13:59:33
Data Points: 633

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	123.61	116.86	31.18	345.18	33.82

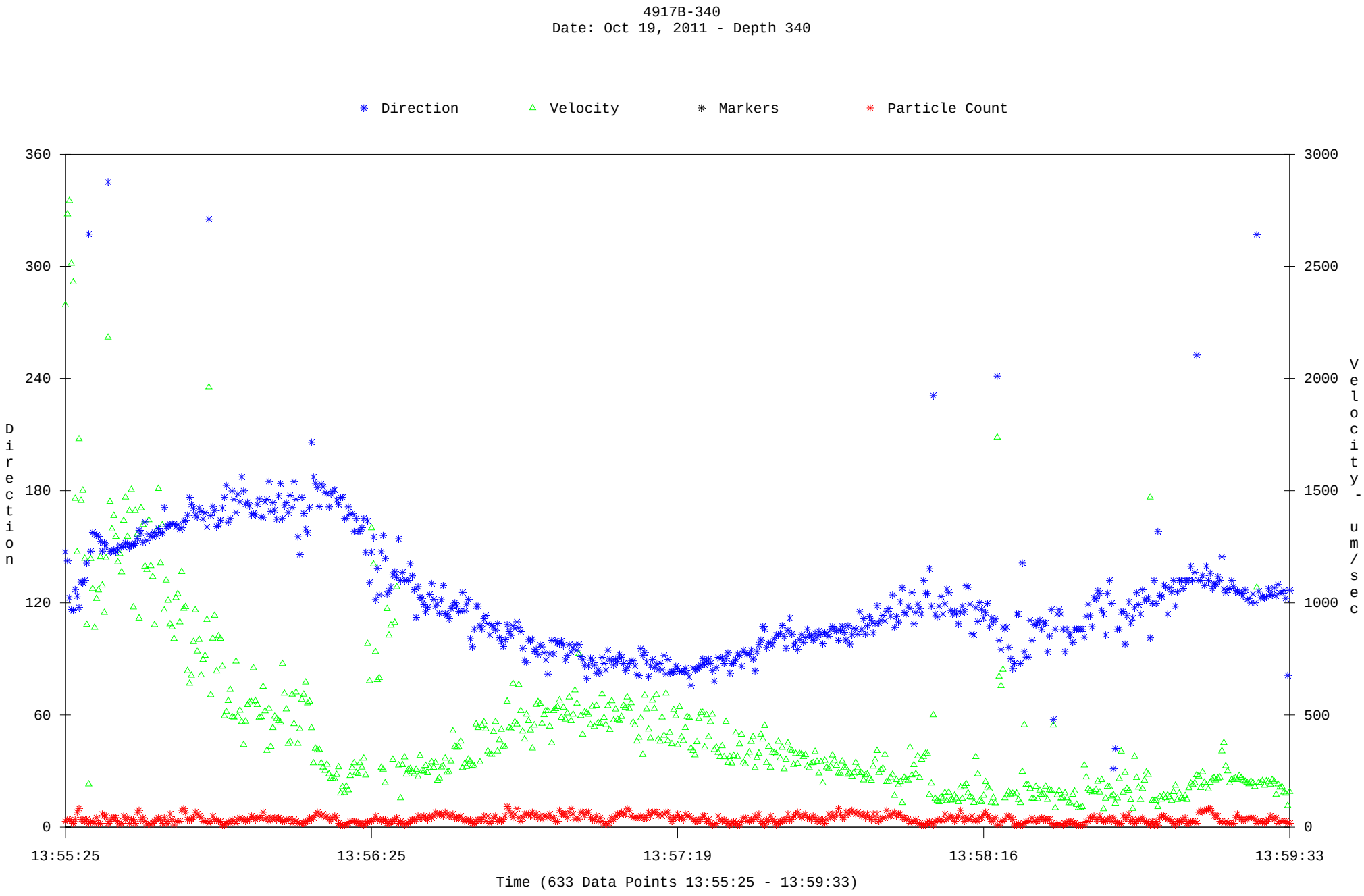
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	441.10	320.81	81.03	2793.05	379.15
ft/day:	125.31	91.14	23.02	793.48	107.71
ft/day / 2:	62.66	45.57	11.51	396.74	53.86
ft/day / 3:	41.77	30.38	7.67	264.49	35.90
ft/day / 4:	31.33	22.78	5.75	198.37	26.93

Velocity Vector:

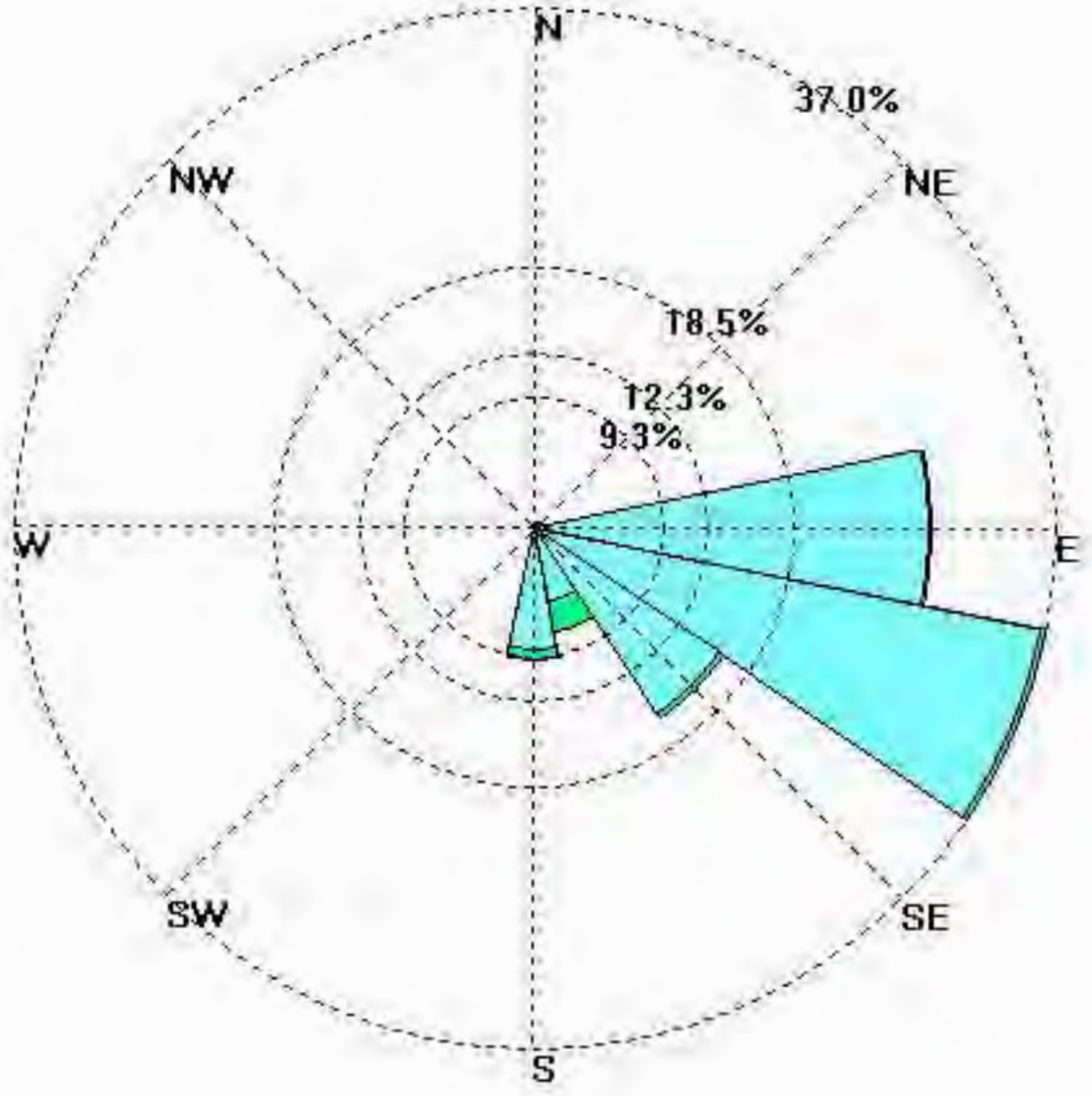
Azimuth: 121.19

Actual Velocity

um/sec:	361.77
ft/day:	102.78
ft/day / 2:	51.39
ft/day / 3:	34.26
ft/day / 4:	25.69



Avg. Dir: 121.19 - Avg.Vel: 361.77
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-340.aqv



Colloid Velocity (um/s)

- 4200 - 4980
- 3500 - 4200
- 2800 - 3500
- 2100 - 2800
- 1400 - 2100
- 700 - 1400
- 0 - 700

49178-340 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-340
Depth: 340
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 14:00:54 - 14:07:04
Data Points: 428

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
143.33	117.11	1.85	359.93	92.42

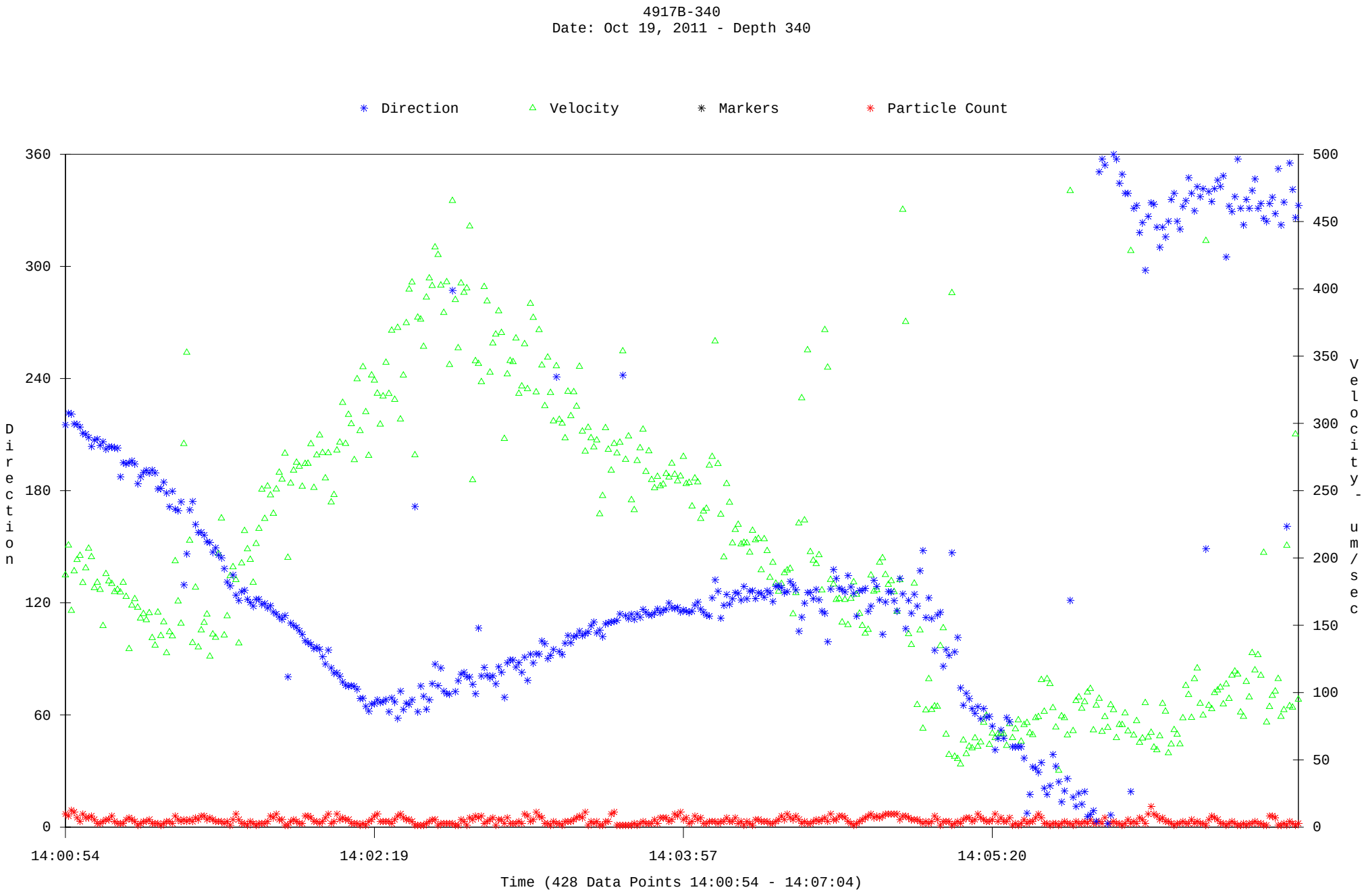
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	205.75	195.62	42.08	472.89	104.38
ft/day:	58.45	55.57	11.96	134.34	29.65
ft/day / 2:	29.23	27.79	5.98	67.17	14.83
ft/day / 3:	19.48	18.52	3.99	44.78	9.88
ft/day / 4:	14.61	13.89	2.99	33.59	7.41

Velocity Vector:

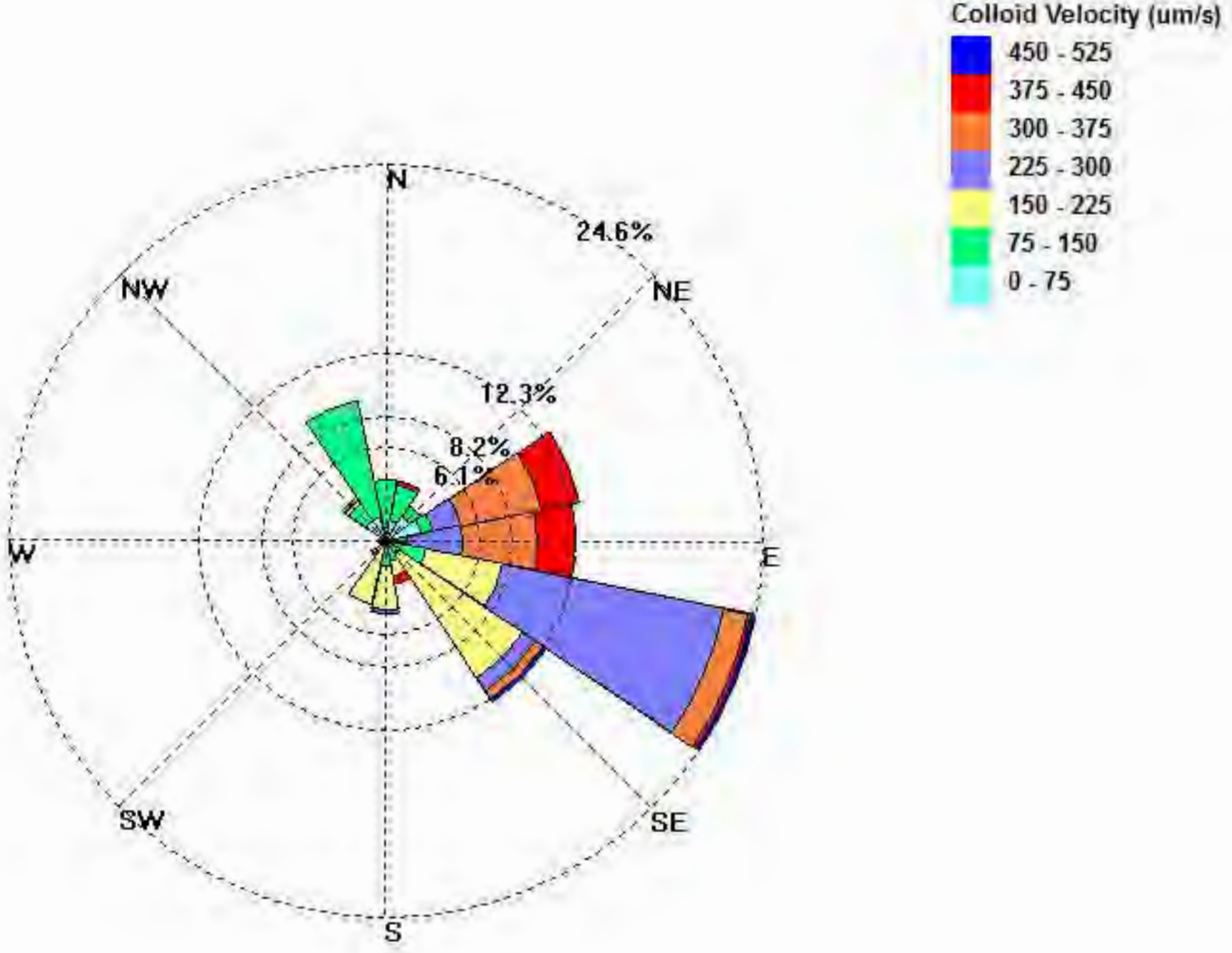
Azimuth:	94.82

Actual Velocity

um/sec:	139.92
ft/day:	39.75
ft/day / 2:	19.88
ft/day / 3:	13.25
ft/day / 4:	9.94



Avg. Dir: 94.82 - Avg.Vel: 139.92
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-340 cont.aqv



49178340 Cont - Groundwater Flow Direction vs Velocity

Well Analysis Summary

Well Name: 4917B-345
Depth: 345
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 13:38:06 - 13:53:24
Data Points: 2388

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	164.12	198.23	0.21	359.94	130.87

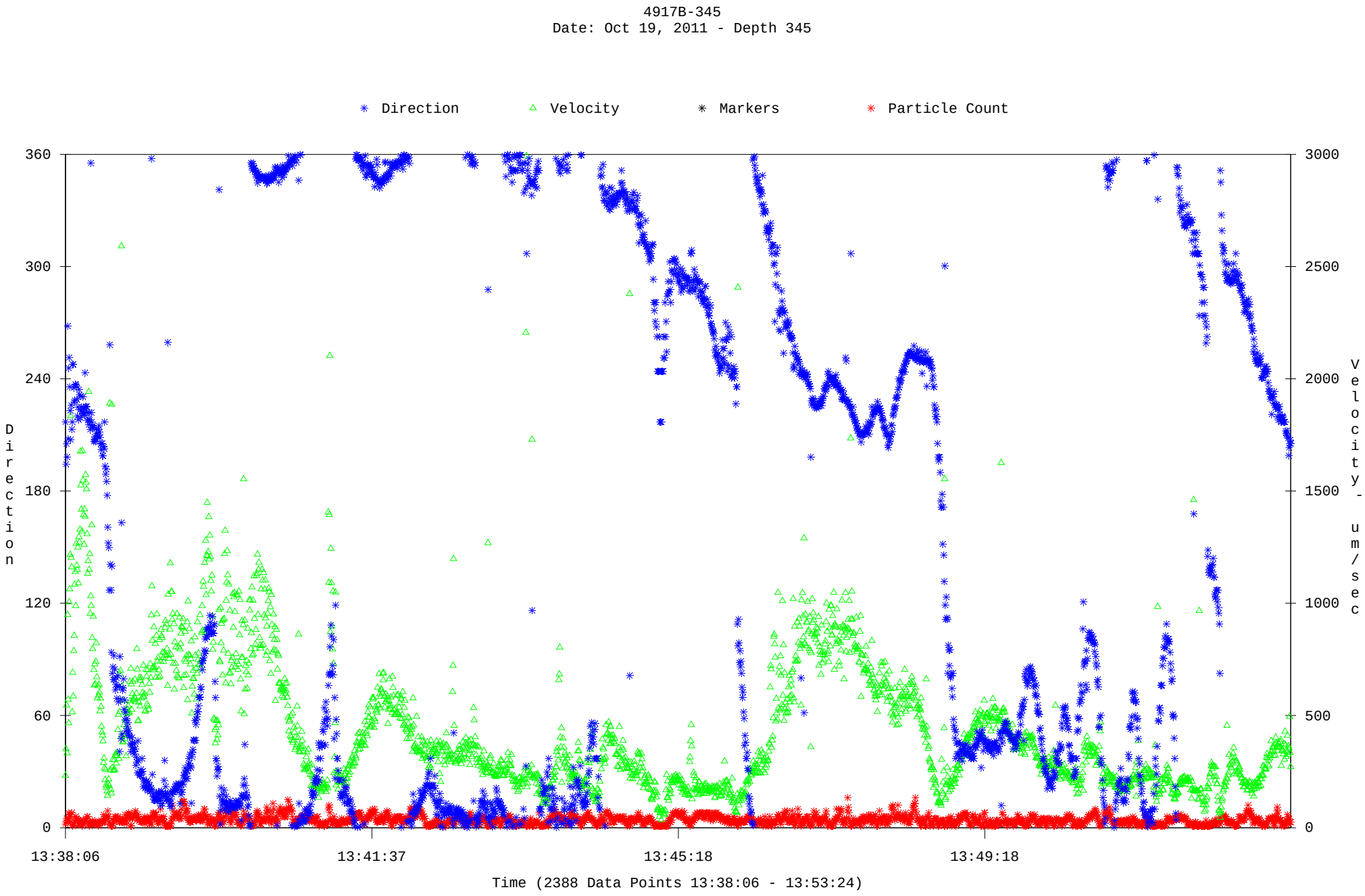
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	442.58	339.22	34.65	2993.42	307.24
ft/day:	125.73	96.37	9.84	850.40	87.28
ft/day / 2:	62.87	48.18	4.92	425.20	43.64
ft/day / 3:	41.91	32.12	3.28	283.47	29.09
ft/day / 4:	31.43	24.09	2.46	212.60	21.82

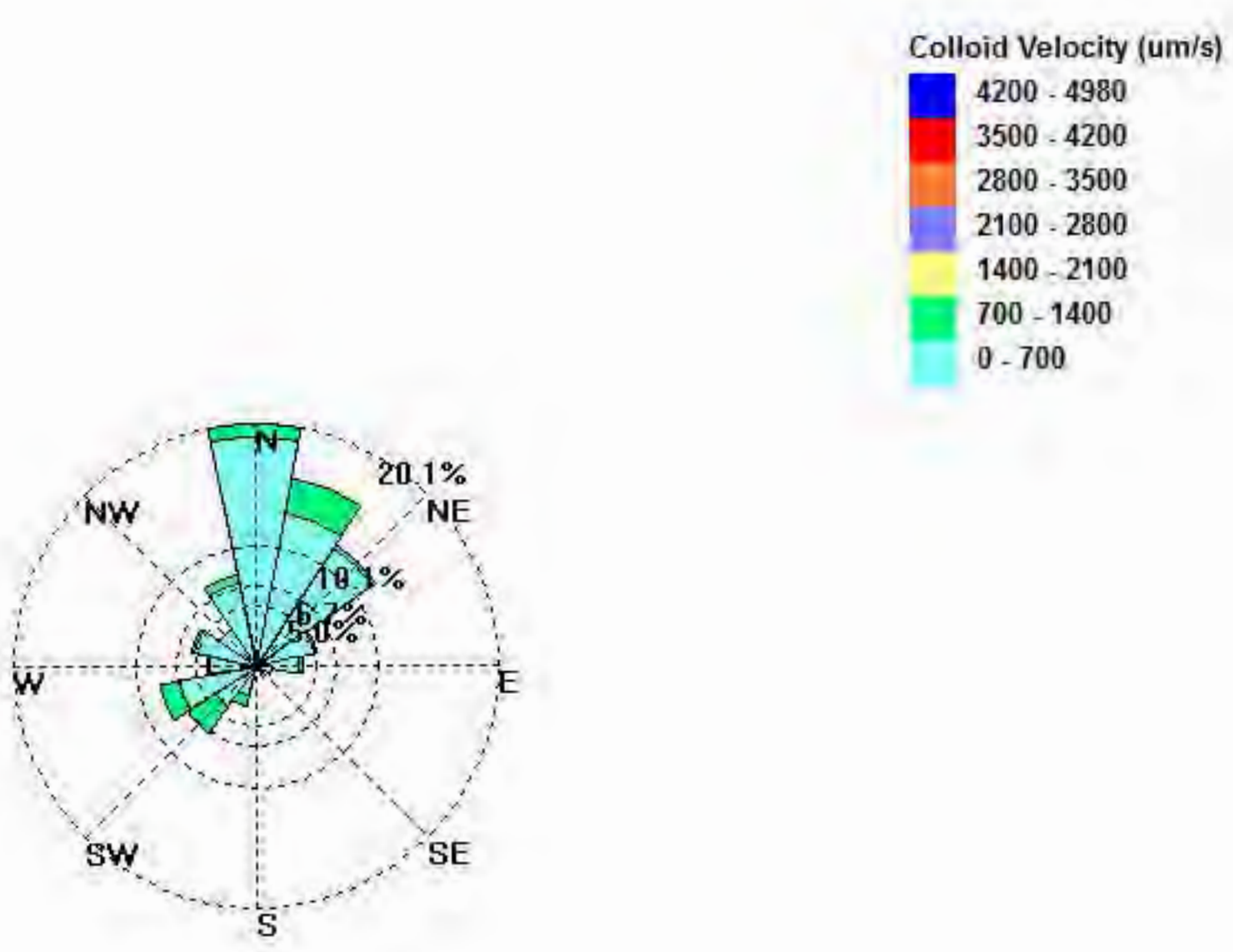
Velocity Vector:

Azimuth: 353.71

Actual Velocity

um/sec:	145.39
ft/day:	41.30
ft/day / 2:	20.65
ft/day / 3:	13.77
ft/day / 4:	10.33


4917B-345
Date: Oct 19, 2011 - Depth 345
Direction
Velocity
Markers
Particle Count
360
300
240
180
120
60
0
Direction
3000
2500
2000
1500
1000
500
0
Velocity - um/sec
13:38:06
13:41:37
13:45:18
13:49:18
Time (2388 Data Points 13:38:06 - 13:53:24)
Avg. Dir: 353.71 - Avg.Vel: 145.39
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-345.aqv



49178-045 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-347
Depth: 347
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 16:05:05 - 16:17:38
Data Points: 752

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
155.09	132.95	0.36	359.57	101.67

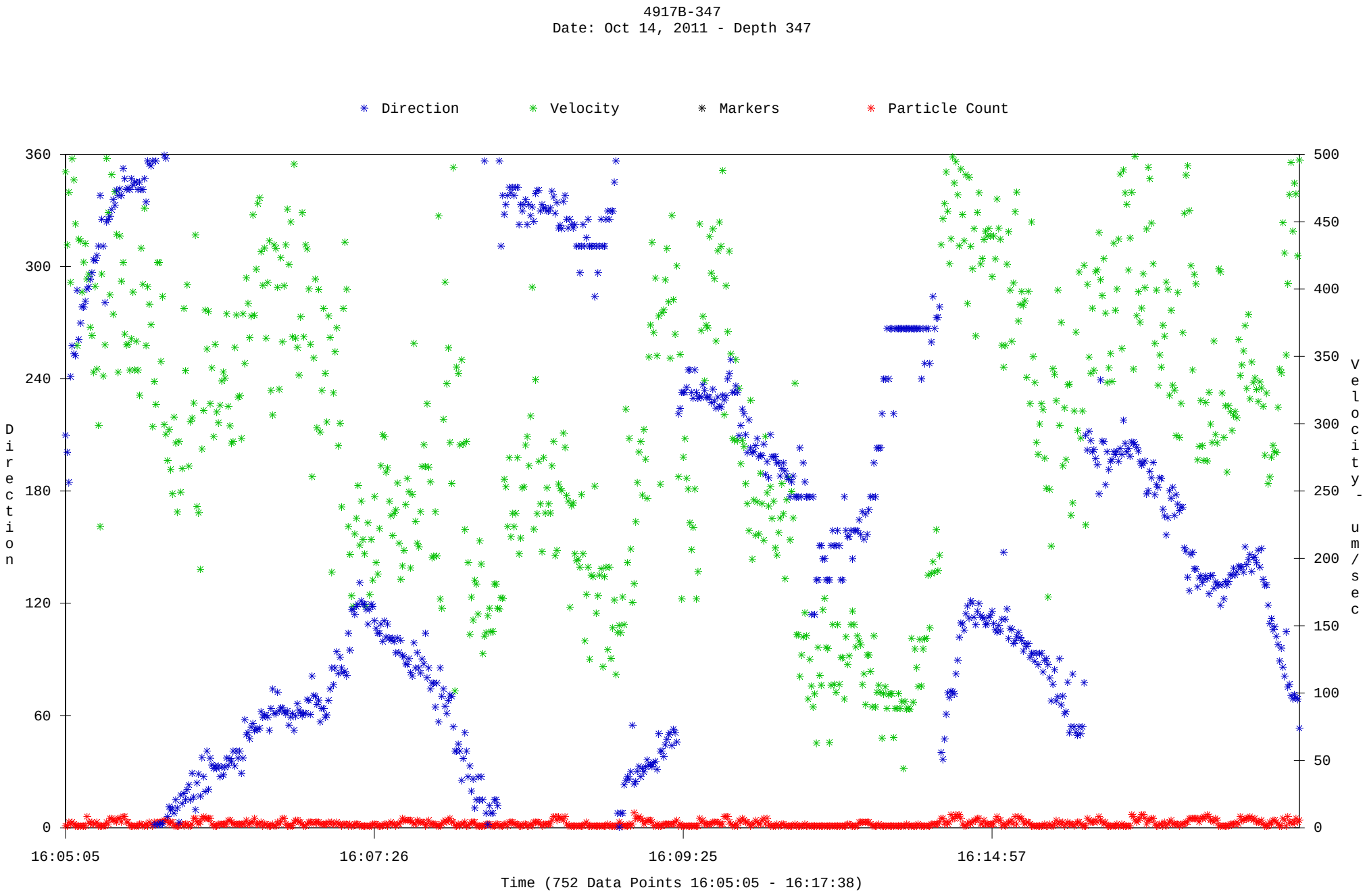
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	298.49	304.28	44.03	498.56	108.69
ft/day:	84.80	86.44	12.51	141.64	30.88
ft/day / 2:	42.40	43.22	6.25	70.82	15.44
ft/day / 3:	28.27	28.81	4.17	47.21	10.29
ft/day / 4:	21.20	21.61	3.13	35.41	7.72

Velocity Vector:

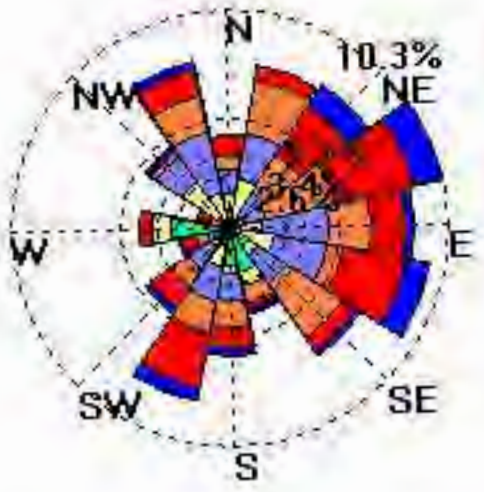
Azimuth:	84.82

Actual Velocity

um/sec:	82.08
ft/day:	23.32
ft/day / 2:	11.66
ft/day / 3:	7.77
ft/day / 4:	5.83



Avg. Dir: 84.82 - Avg.Vel: 82.08
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917b-347.aqv



49178-347 – Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-348
Depth: 348
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 15:45:40 - 16:00:23
Data Points: 771

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	159.52	145.64	0.90	359.54	105.69

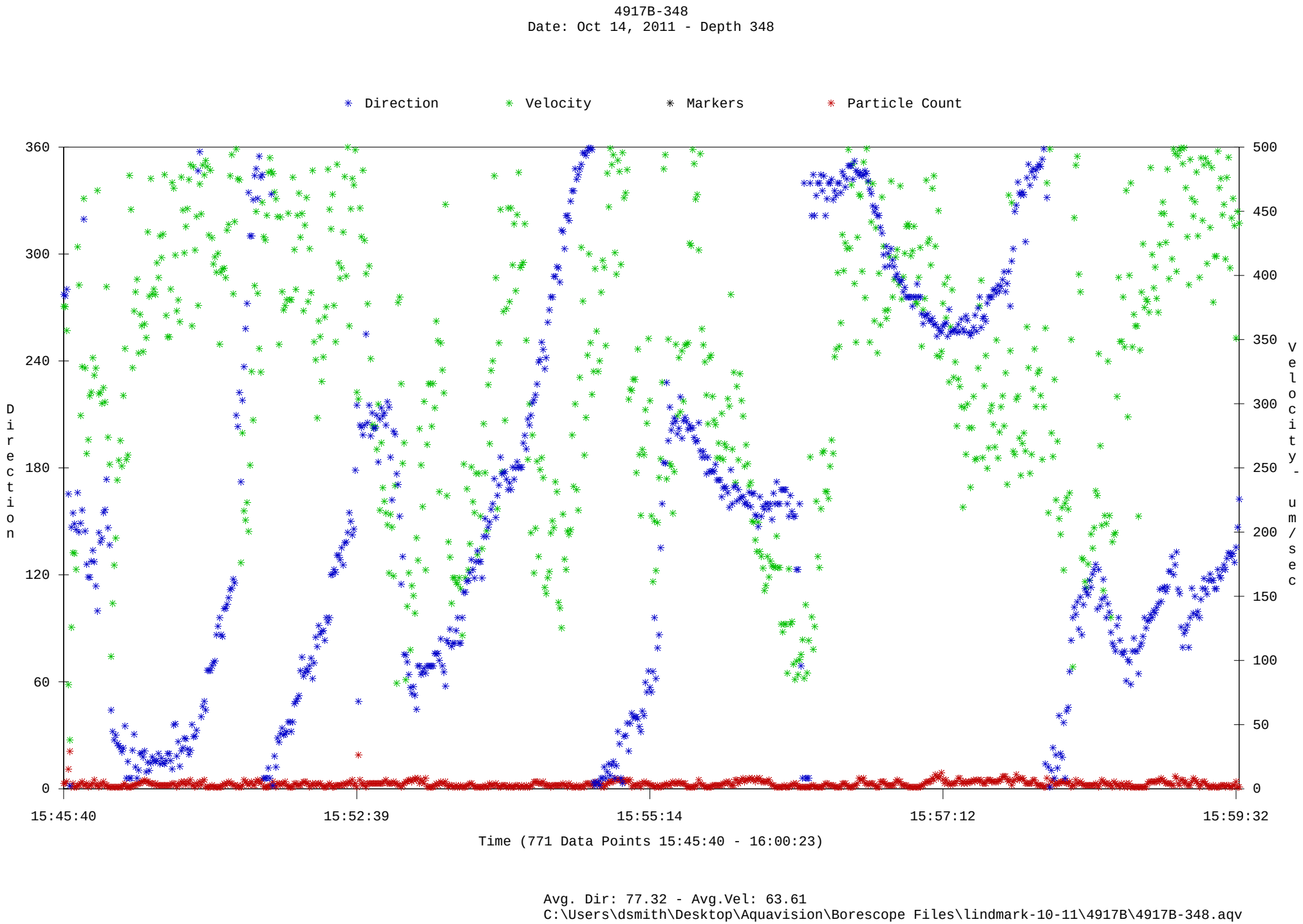
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	329.75	341.23	38.07	499.93	107.69
ft/day:	93.68	96.94	10.81	142.03	30.59
ft/day / 2:	46.84	48.47	5.41	71.01	15.30
ft/day / 3:	31.23	32.31	3.60	47.34	10.20
ft/day / 4:	23.42	24.24	2.70	35.51	7.65

Velocity Vector:

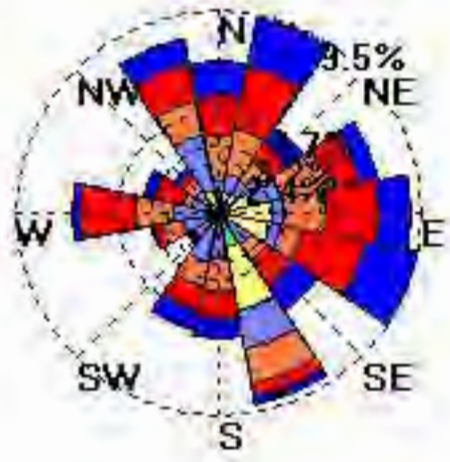
Azimuth: 77.32

Actual Velocity

um/sec:	63.61
ft/day:	18.07
ft/day / 2:	9.04
ft/day / 3:	6.02
ft/day / 4:	4.52



Avg. Dir: 77.32 - Avg.Vel: 63.61
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-348.aqv



Colloid Velocity (um/s)

- 450 - 525
- 375 - 450
- 300 - 375
- 225 - 300
- 150 - 225
- 75 - 150
- 0 - 75

49178-346 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-349
Depth: 349
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 15:27:44 - 15:42:41
Data Points: 237

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
167.34	165.78	0.42	359.30	95.05

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	317.07	336.41	46.13	499.95	120.75
ft/day:	90.08	95.57	13.11	142.03	34.30
ft/day / 2:	45.04	47.79	6.55	71.02	17.15
ft/day / 3:	30.03	31.86	4.37	47.34	11.43
ft/day / 4:	22.52	23.89	3.28	35.51	8.58

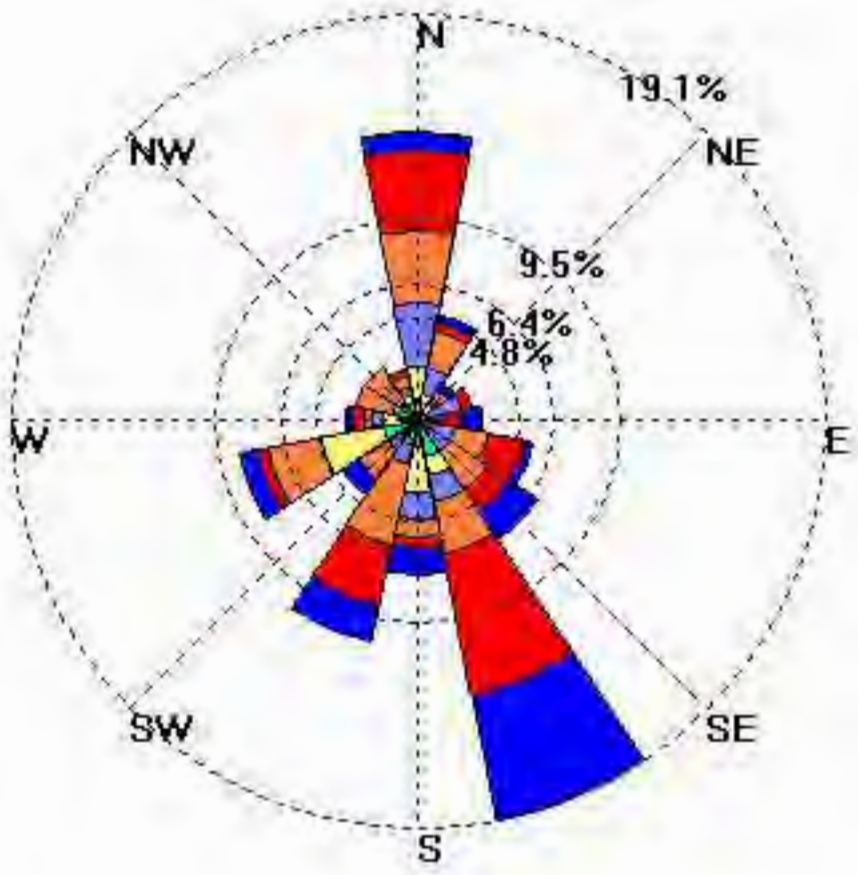
Velocity Vector:

Azimuth: 176.23

Actual Velocity

um/sec:	85.64
ft/day:	24.33
ft/day / 2:	12.16
ft/day / 3:	8.11
ft/day / 4:	6.08

4917B-349
Date: Oct 14, 2011 - Depth 349
Direction
Velocity
Markers
Particle Count
360
300
240
180
120
60
0
Direction
500
450
400
350
300
250
200
150
100
50
0
Velocity - um/sec
15:27:44
15:32:20
15:37:21
15:38:30
15:42:41
Time (237 Data Points 15:27:44 - 15:42:41)
Avg. Dir: 176.23 - Avg.Vel: 85.64
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-349.aqv



Colloid Velocity (um/s)

- 450 - 525
- 375 - 450
- 300 - 375
- 225 - 300
- 150 - 225
- 75 - 150
- 0 - 75

49178-349 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-350
Depth: 350
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 11:36:42 - 11:54:33
Data Points: 270

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
140.36	82.10	2.02	358.53	115.13

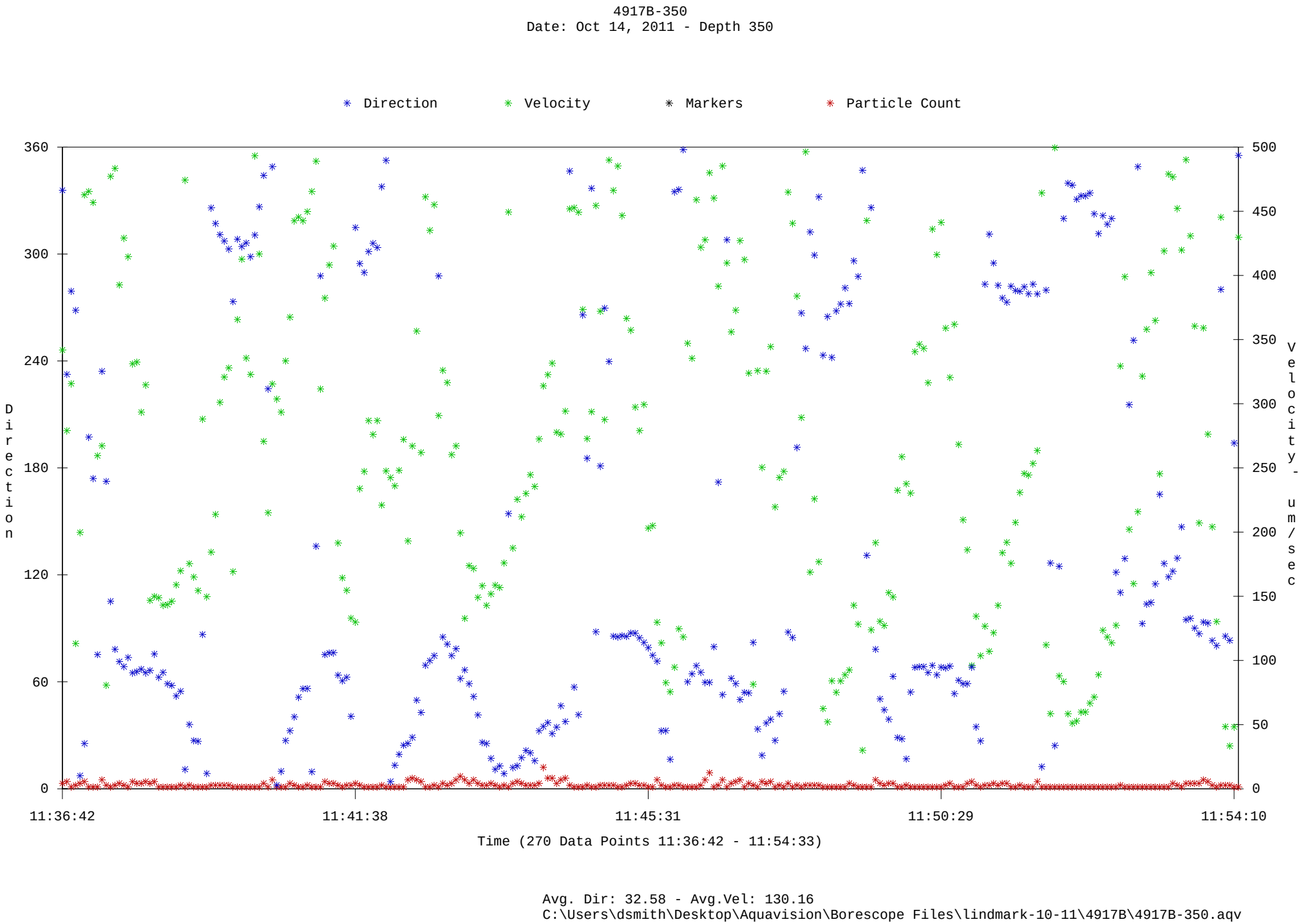
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	269.63	267.31	30.04	499.56	128.38
ft/day:	76.60	75.94	8.53	141.92	36.47
ft/day / 2:	38.30	37.97	4.27	70.96	18.24
ft/day / 3:	25.53	25.31	2.84	47.31	12.16
ft/day / 4:	19.15	18.99	2.13	35.48	9.12

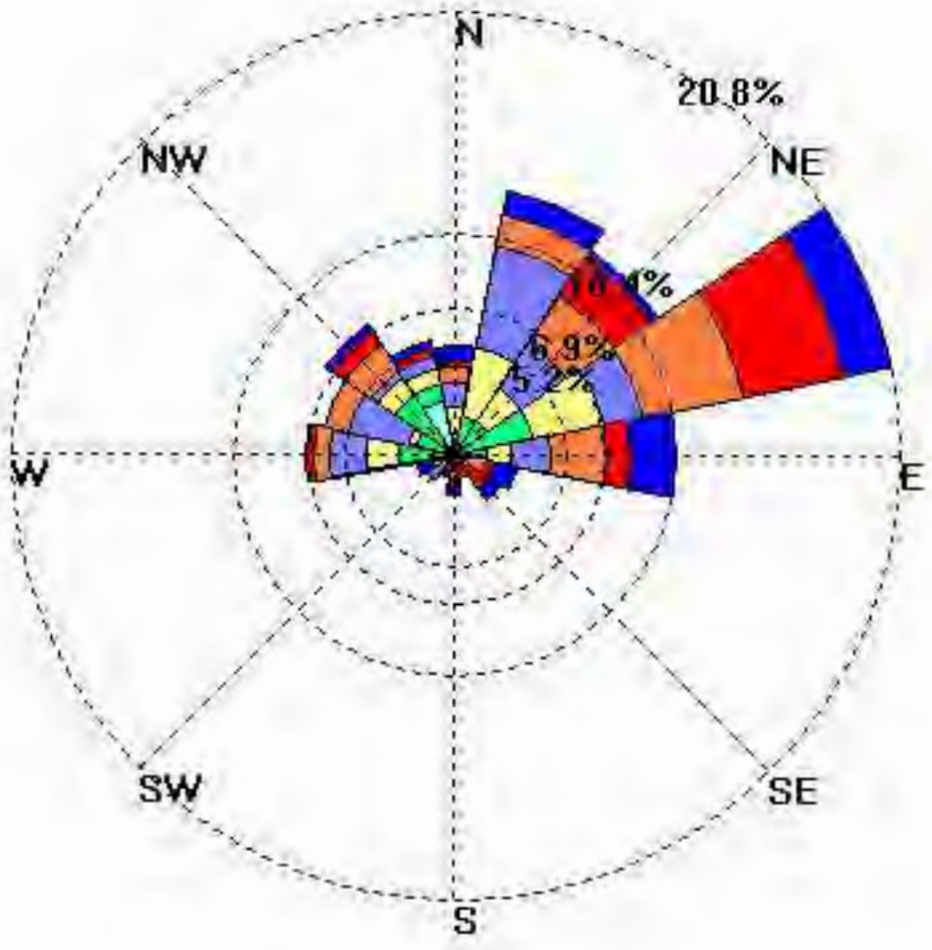
Velocity Vector:

Azimuth: 32.58

Actual Velocity

um/sec:	130.16
ft/day:	36.98
ft/day / 2:	18.49
ft/day / 3:	12.33
ft/day / 4:	9.24


4917B-350
Date: Oct 14, 2011 - Depth 350
Direction
Velocity
Markers
Particle Count
360
300
240
180
120
60
0
Direction
500
450
400
350
300
250
200
150
100
50
0
Velocity - um/sec
11:36:42
11:41:38
11:45:31
11:50:29
11:54:10
Time (270 Data Points 11:36:42 - 11:54:33)
Avg. Dir: 32.58 - Avg.Vel: 130.16
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-350.aqv



49178-350 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-350
Depth: 350
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 13:19:54 - 13:33:14
Data Points: 1943

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	186.19	188.79	0.03	359.97	118.10

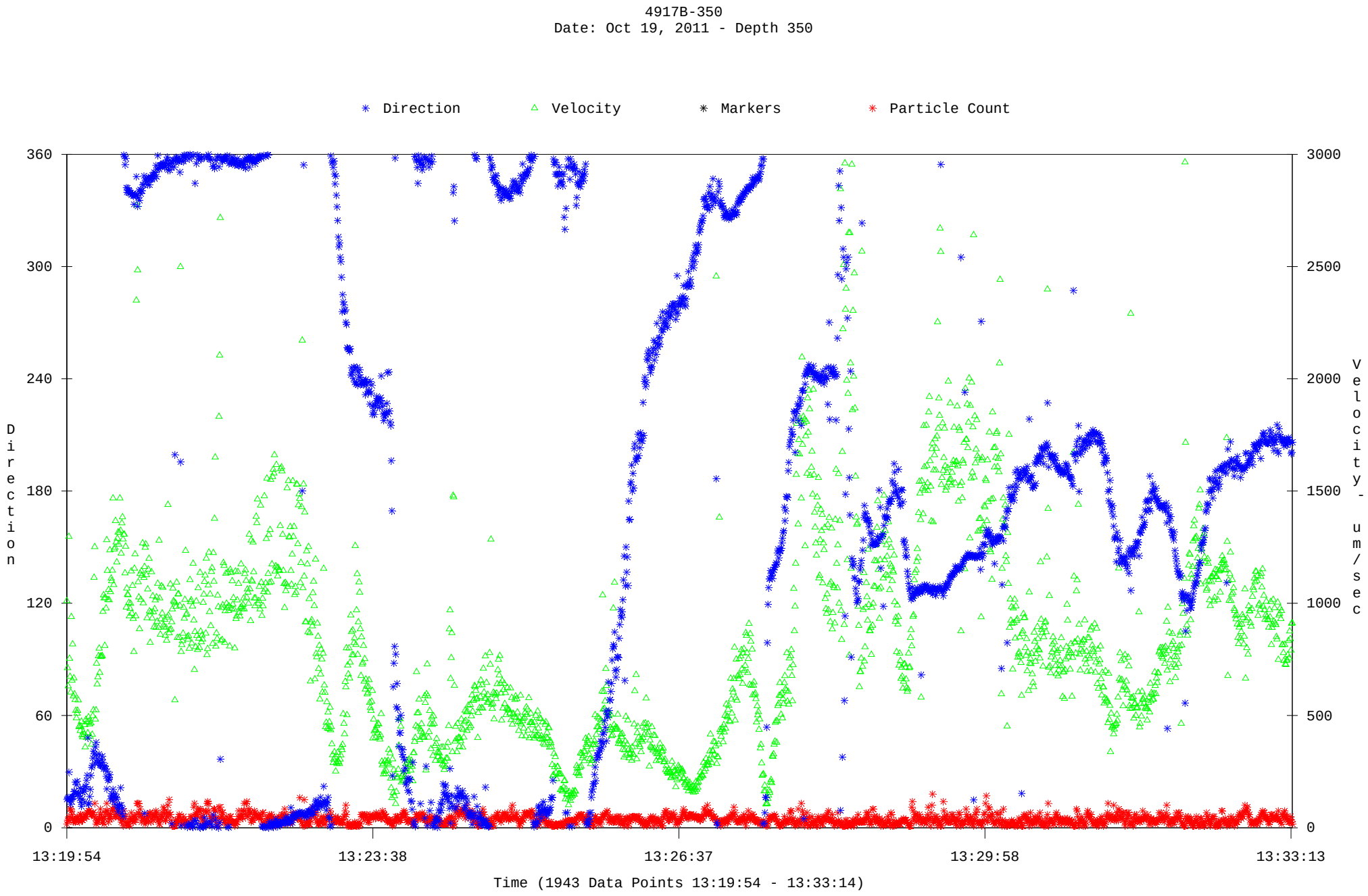
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	834.07	778.75	101.71	2965.28	464.69
ft/day:	236.95	221.24	28.89	842.41	132.01
ft/day / 2:	118.48	110.62	14.45	421.20	66.01
ft/day / 3:	78.98	73.75	9.63	280.80	44.00
ft/day / 4:	59.24	55.31	7.22	210.60	33.00

Velocity Vector:

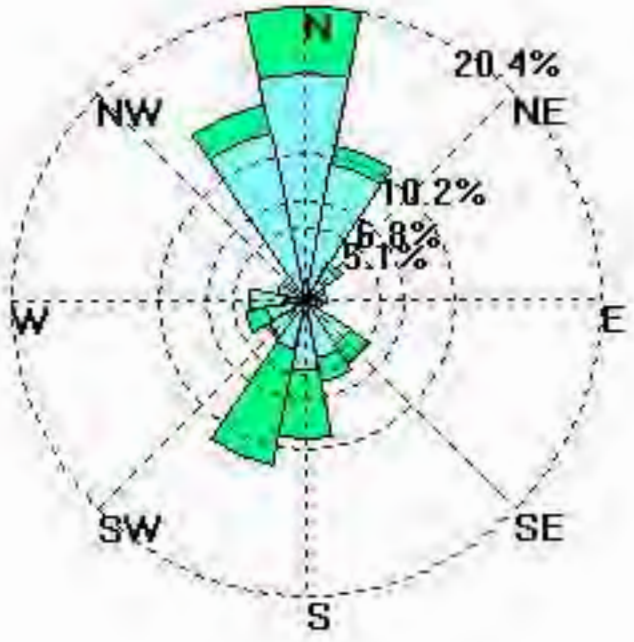
Azimuth: 334.33

Actual Velocity

um/sec:	51.29
ft/day:	14.57
ft/day / 2:	7.29
ft/day / 3:	4.86
ft/day / 4:	3.64



Avg. Dir: 334.33 - Avg.Vel: 51.29
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-350.aqv



Colloid Velocity (um/s)

- 4200 - 4980
- 3500 - 4200
- 2800 - 3500
- 2100 - 2800
- 1400 - 2100
- 700 - 1400
- 0 - 700

49178-550 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-350 cont
Depth: 350
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 13:34:00 - 13:36:14
Data Points: 400

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	166.42	142.68	3.54	356.58	86.04

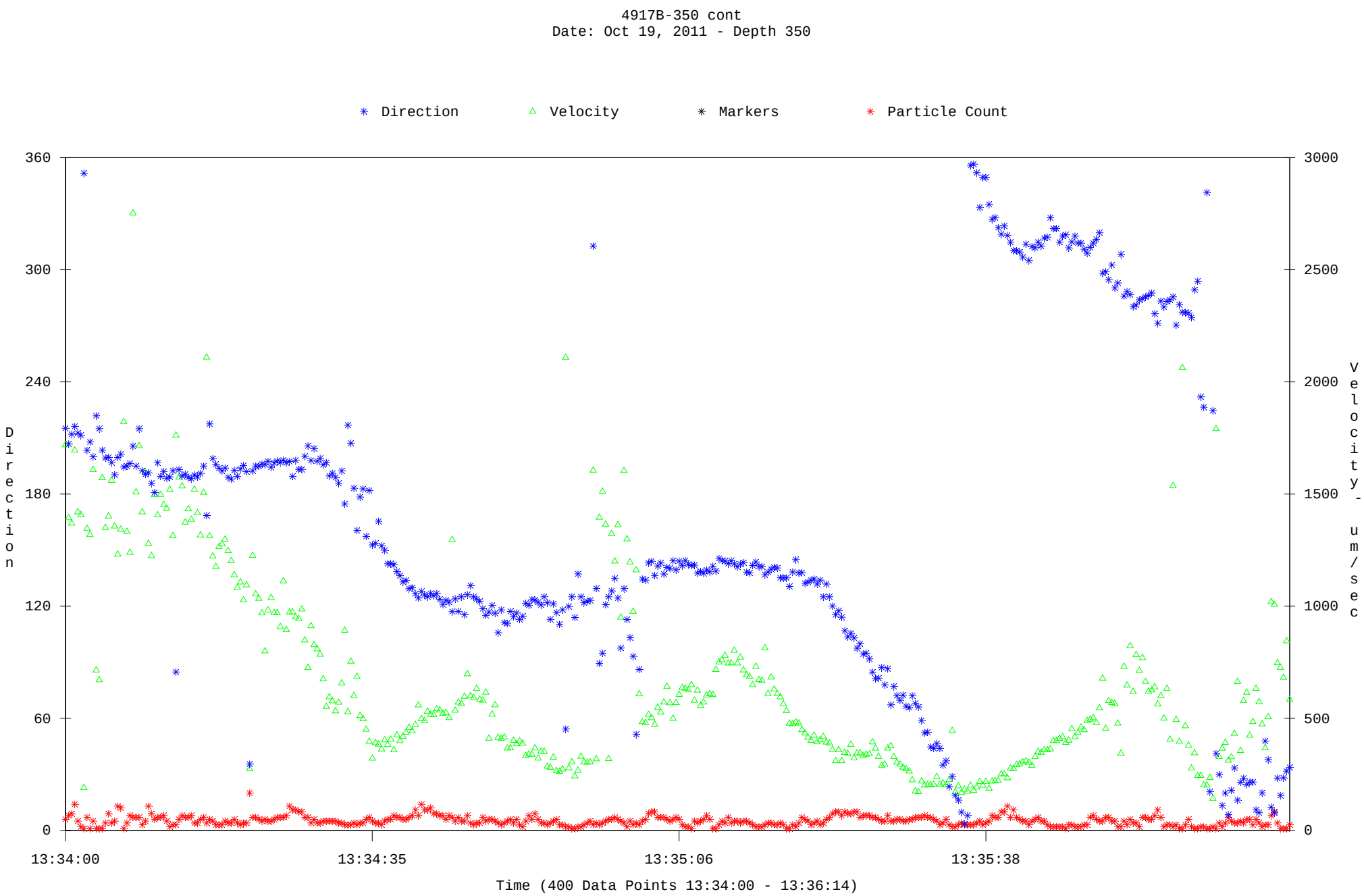
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	664.57	530.89	142.64	2752.53	430.04
ft/day:	188.80	150.82	40.52	781.97	122.17
ft/day / 2:	94.40	75.41	20.26	390.98	61.09
ft/day / 3:	62.93	50.27	13.51	260.66	40.72
ft/day / 4:	47.20	37.71	10.13	195.49	30.54

Velocity Vector:

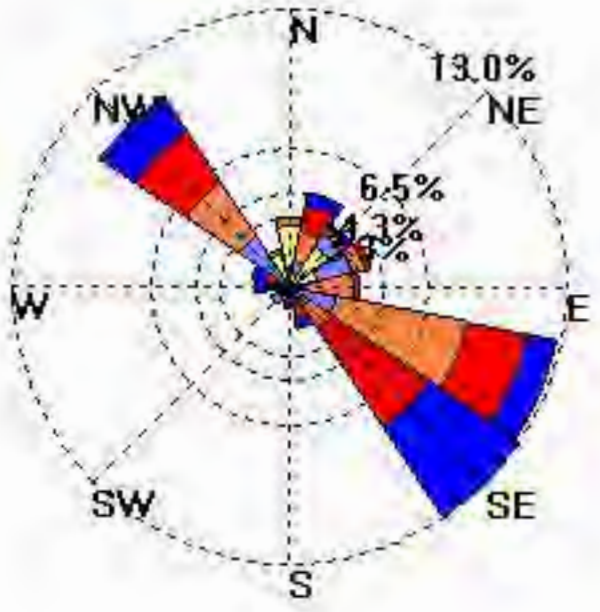
Azimuth: 144.14

Actual Velocity

um/sec:	308.44
ft/day:	87.63
ft/day / 2:	43.81
ft/day / 3:	29.21
ft/day / 4:	21.91



Avg. Dir: 144.14 - Avg.Vel: 308.44
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-350 cont.aqv



49|78-350 Cont - Groundwater Flow Direction vs Velocity

Well Analysis Summary

Well Name: 4917B-351
Depth: 351
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 11:59:16 - 12:21:13
Data Points: 197

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
159.65	146.51	1.00	359.85	102.95

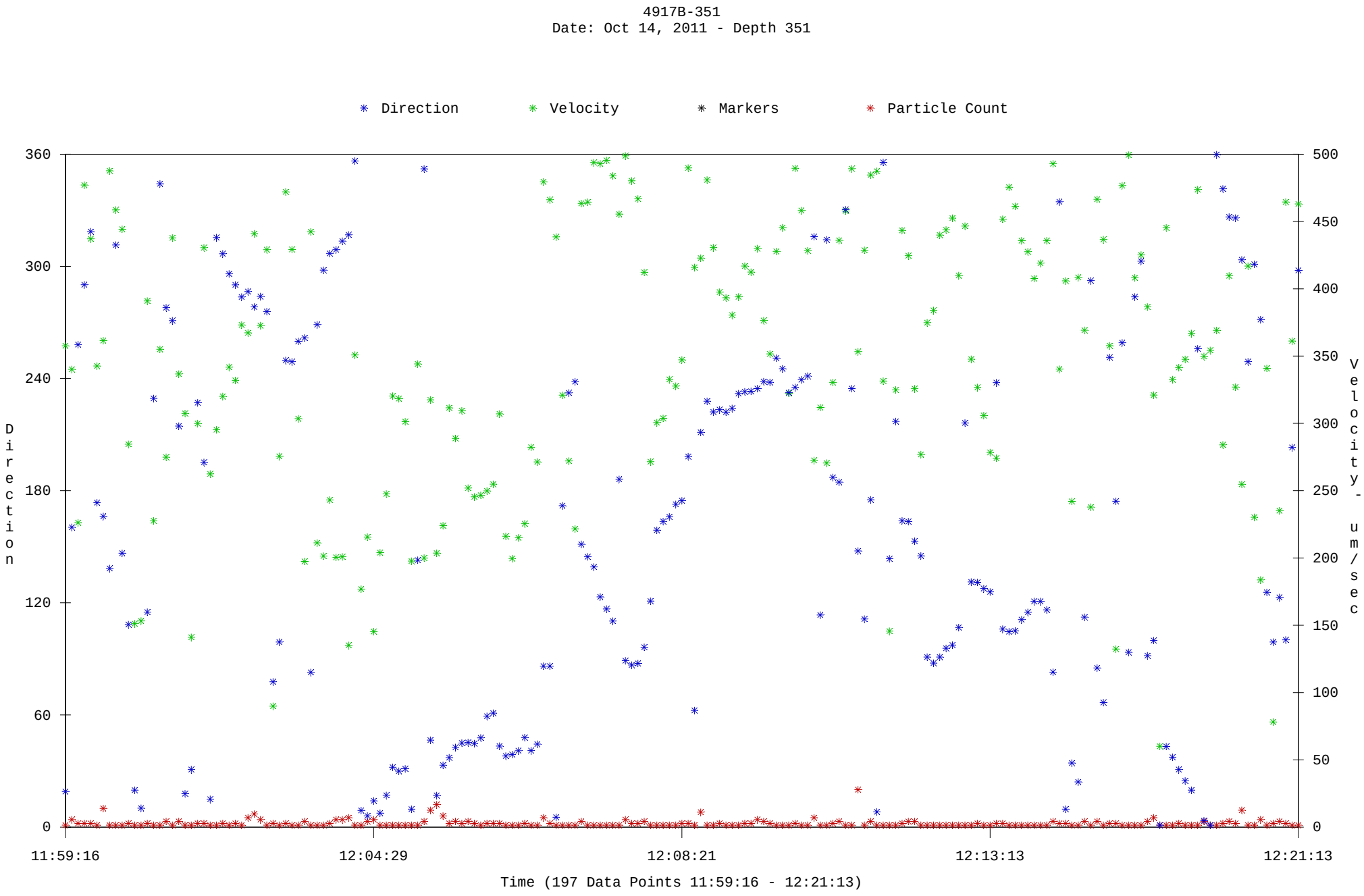
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	347.49	351.71	60.08	499.45	101.08
ft/day:	98.72	99.92	17.07	141.89	28.72
ft/day / 2:	49.36	49.96	8.53	70.94	14.36
ft/day / 3:	32.91	33.31	5.69	47.30	9.57
ft/day / 4:	24.68	24.98	4.27	35.47	7.18

Velocity Vector:

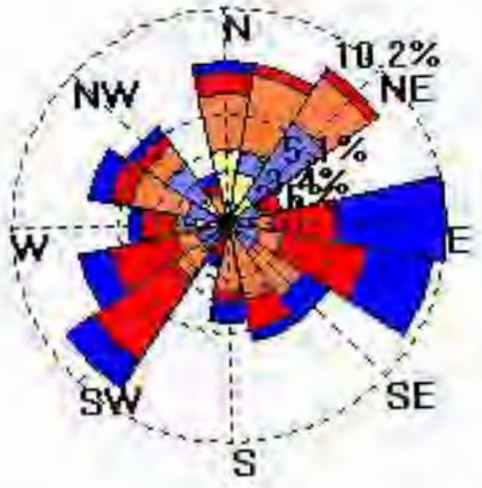
Azimuth: 71.85

Actual Velocity

um/sec:	31.83
ft/day:	9.04
ft/day / 2:	4.52
ft/day / 3:	3.01
ft/day / 4:	2.26



Avg. Dir: 71.85 - Avg.Vel: 31.83
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-351.aqv



Colloid Velocity (um/s)

- 450 - 525
- 375 - 450
- 300 - 375
- 225 - 300
- 150 - 225
- 75 - 150
- 0 - 75

49178-551 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-352
Depth: 352
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 12:29:47 - 12:43:19
Data Points: 218

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
186.60	206.46	18.65	349.99	84.75

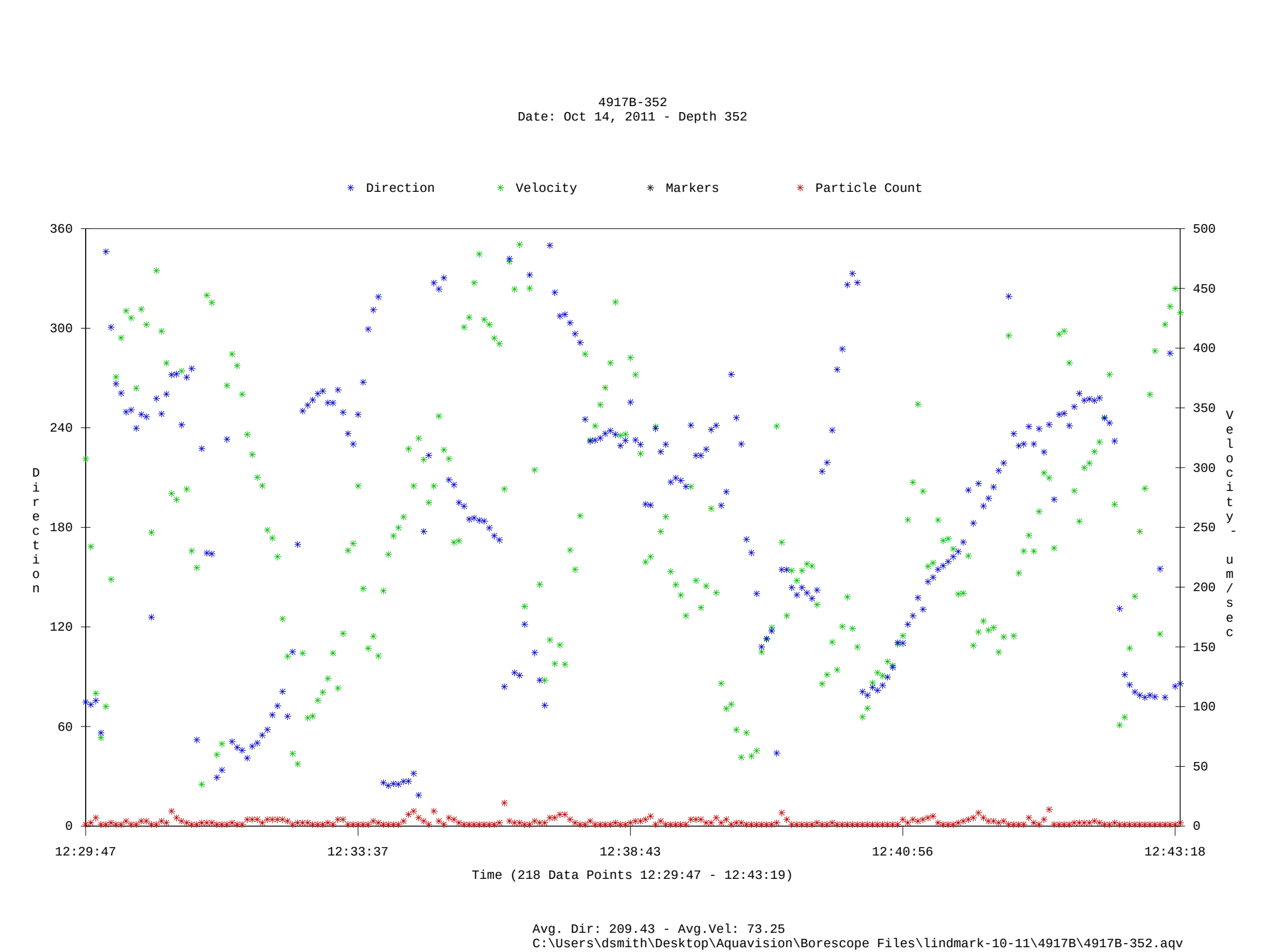
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	249.21	237.58	34.96	486.72	110.34
ft/day:	70.80	67.49	9.93	138.27	31.35
ft/day / 2:	35.40	33.75	4.97	69.14	15.67
ft/day / 3:	23.60	22.50	3.31	46.09	10.45
ft/day / 4:	17.70	16.87	2.48	34.57	7.84

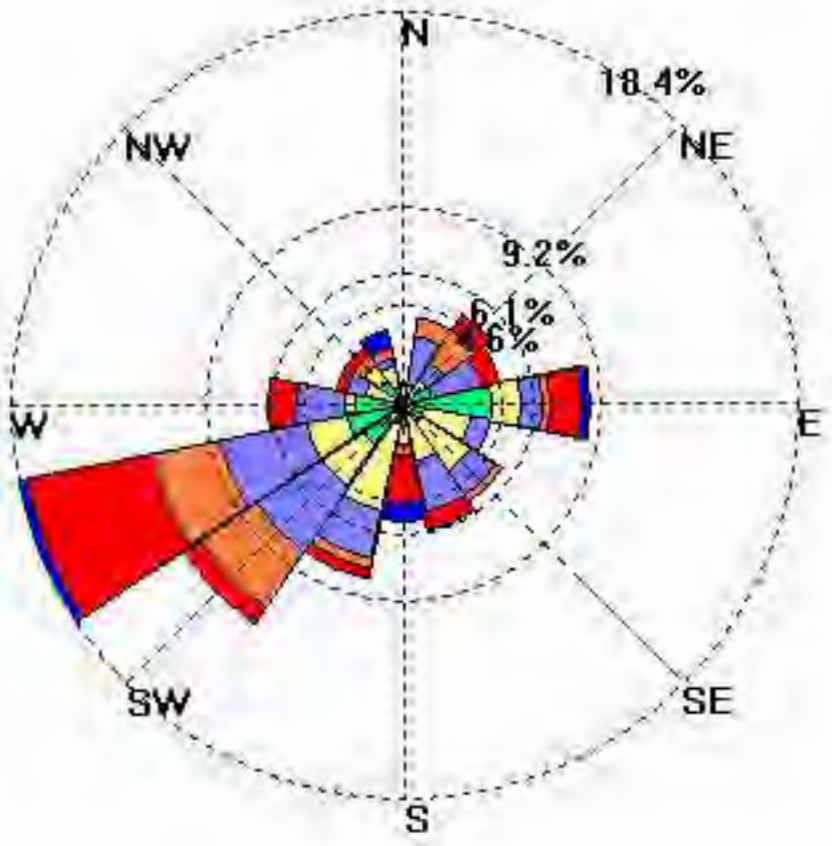
Velocity Vector:

Azimuth: 209.43

Actual Velocity

um/sec:	73.25
ft/day:	20.81
ft/day / 2:	10.41
ft/day / 3:	6.94
ft/day / 4:	5.20


4917B-352
Date: Oct 14, 2011 - Depth 352
Direction
Velocity
Markers
Particle Count
360
300
240
180
120
60
0
Direction
500
450
400
350
300
250
200
150
100
50
0
Velocity - um/sec
12:29:47
12:33:37
12:38:43
12:40:56
12:43:18
Time (218 Data Points 12:29:47 - 12:43:19)
Avg. Dir: 209.43 - Avg.Vel: 73.25
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-352.aqv



49178-352 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-353
Depth: 353
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 12:46:34 - 13:06:24
Data Points: 236

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
185.02	205.25	2.32	359.15	98.30

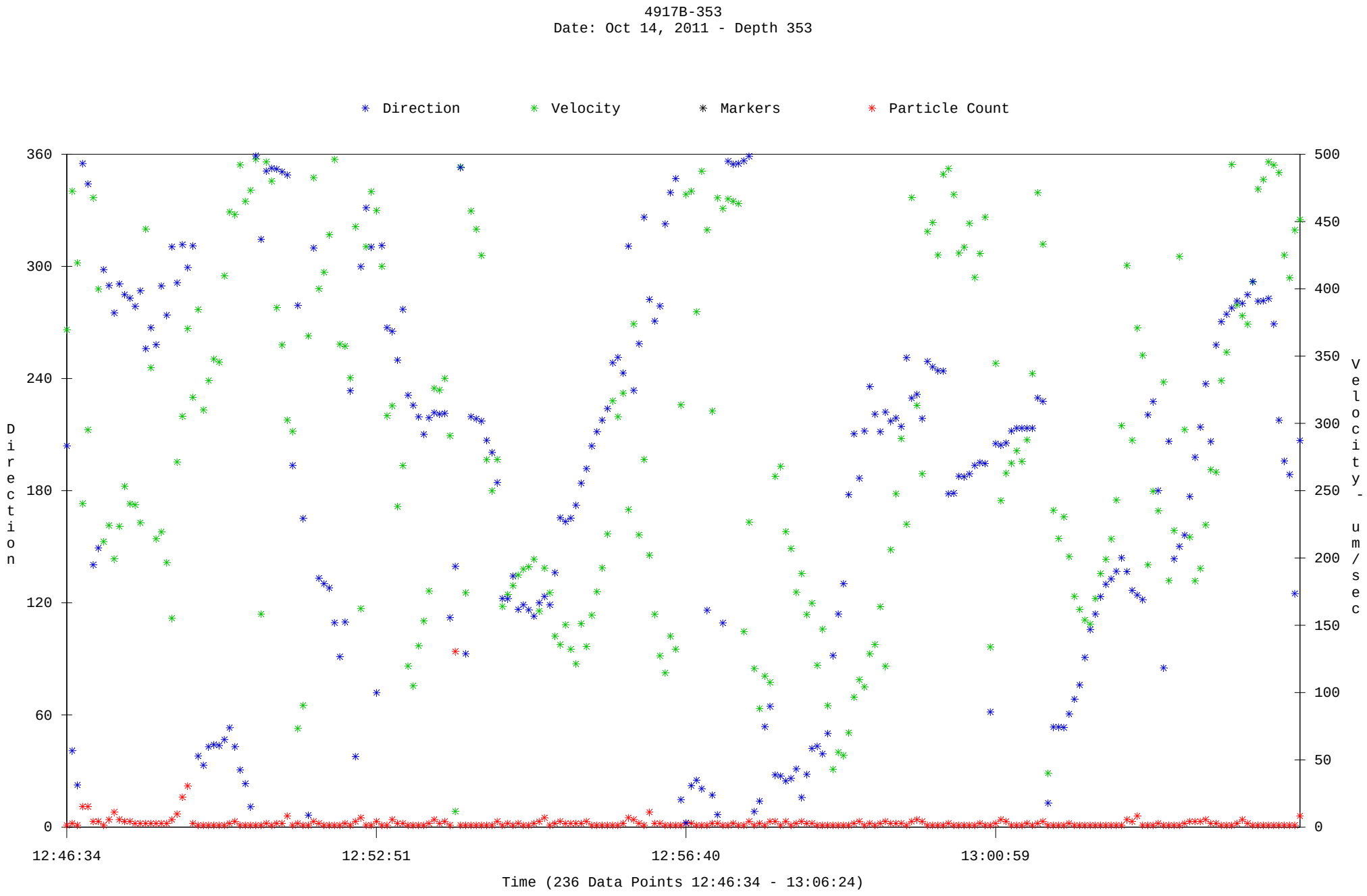
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	287.03	271.79	11.71	496.43	127.66
ft/day:	81.54	77.21	3.33	141.03	36.27
ft/day / 2:	40.77	38.61	1.66	70.52	18.13
ft/day / 3:	27.18	25.74	1.11	47.01	12.09
ft/day / 4:	20.39	19.30	0.83	35.26	9.07

Velocity Vector:

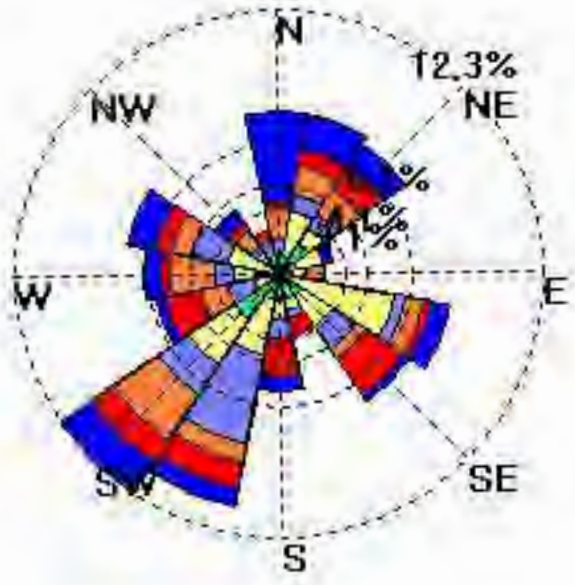
Azimuth: 224.03

Actual Velocity

um/sec:	41.85
ft/day:	11.89
ft/day / 2:	5.94
ft/day / 3:	3.96
ft/day / 4:	2.97



Avg. Dir: 224.03 - Avg.Vel: 41.85
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-353.aqv



Colloid Velocity (um/s)

- 450 - 525
- 375 - 450
- 300 - 375
- 225 - 300
- 150 - 225
- 75 - 150
- 0 - 75

49178-353 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4916B-354
Depth: 354
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 13:11:00 - 13:27:59
Data Points: 542

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	178.55	169.59	0.09	358.91	101.27

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	246.98	248.64	10.36	497.85	121.60
ft/day:	70.16	70.64	2.94	141.44	34.55
ft/day / 2:	35.08	35.32	1.47	70.72	17.27
ft/day / 3:	23.39	23.55	0.98	47.15	11.52
ft/day / 4:	17.54	17.66	0.74	35.36	8.64

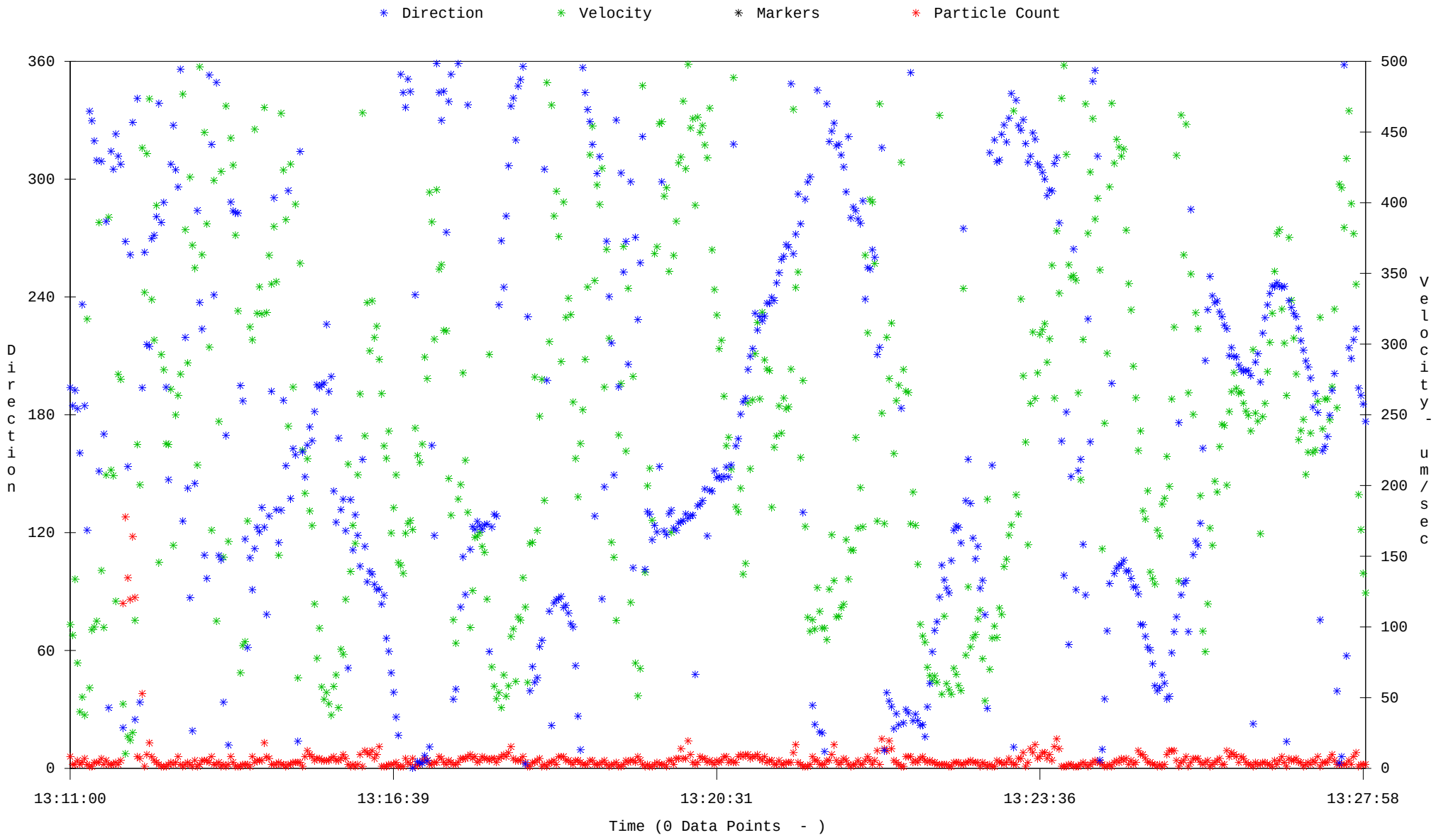
Velocity Vector:

Azimuth: 130.62

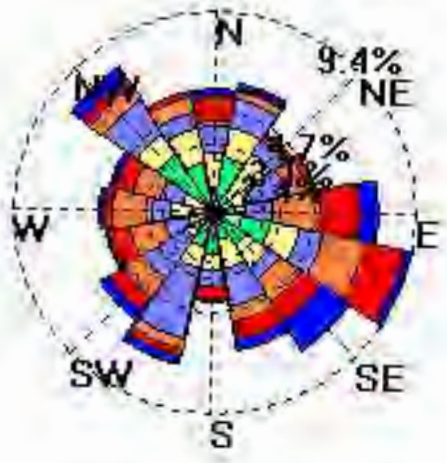
Actual Velocity

um/sec:	25.66
ft/day:	7.29
ft/day / 2:	3.65
ft/day / 3:	2.43
ft/day / 4:	1.82

4916B-354
Date: Oct 14, 2011 - Depth 354



Avg. Dir: 130.62 - Avg.Vel: 25.66
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-354.aqv



Colloid Velocity (um/s)

- 450 - 525
- 375 - 450
- 300 - 375
- 225 - 300
- 150 - 225
- 75 - 150
- 0 - 75

49178-05A – Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-355
Depth: 355
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 13:39:33 - 13:51:00
Data Points: 249

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
166.24	174.35	0.65	357.91	104.72

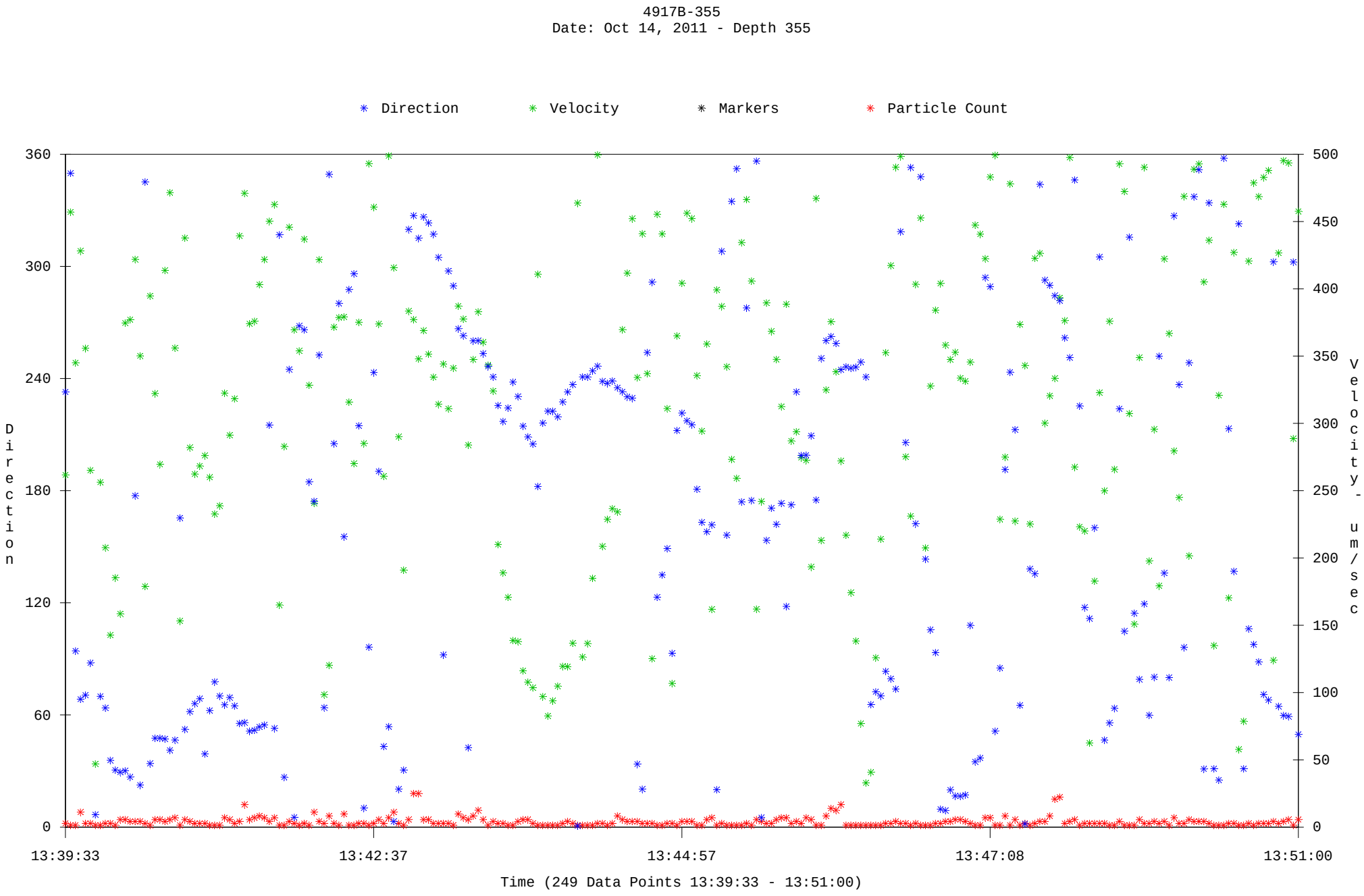
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	316.03	337.07	32.85	499.63	118.01
ft/day:	89.78	95.76	9.33	141.94	33.53
ft/day / 2:	44.89	47.88	4.67	70.97	16.76
ft/day / 3:	29.93	31.92	3.11	47.31	11.18
ft/day / 4:	22.45	23.94	2.33	35.48	8.38

Velocity Vector:

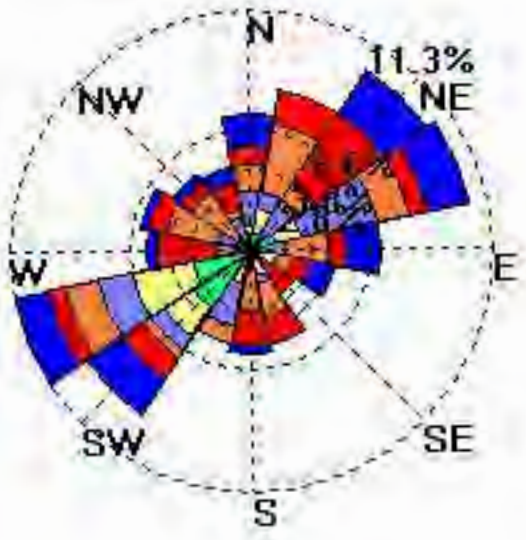
Azimuth: 3.65

Actual Velocity

um/sec:	29.84
ft/day:	8.48
ft/day / 2:	4.24
ft/day / 3:	2.83
ft/day / 4:	2.12



Avg. Dir: 3.65 - Avg.Vel: 29.84
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-355.aqv



49178-355 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-356
Depth: 356
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 13:53:26 - 14:17:36
Data Points: 532

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
198.80	217.35	0.44	359.37	97.20

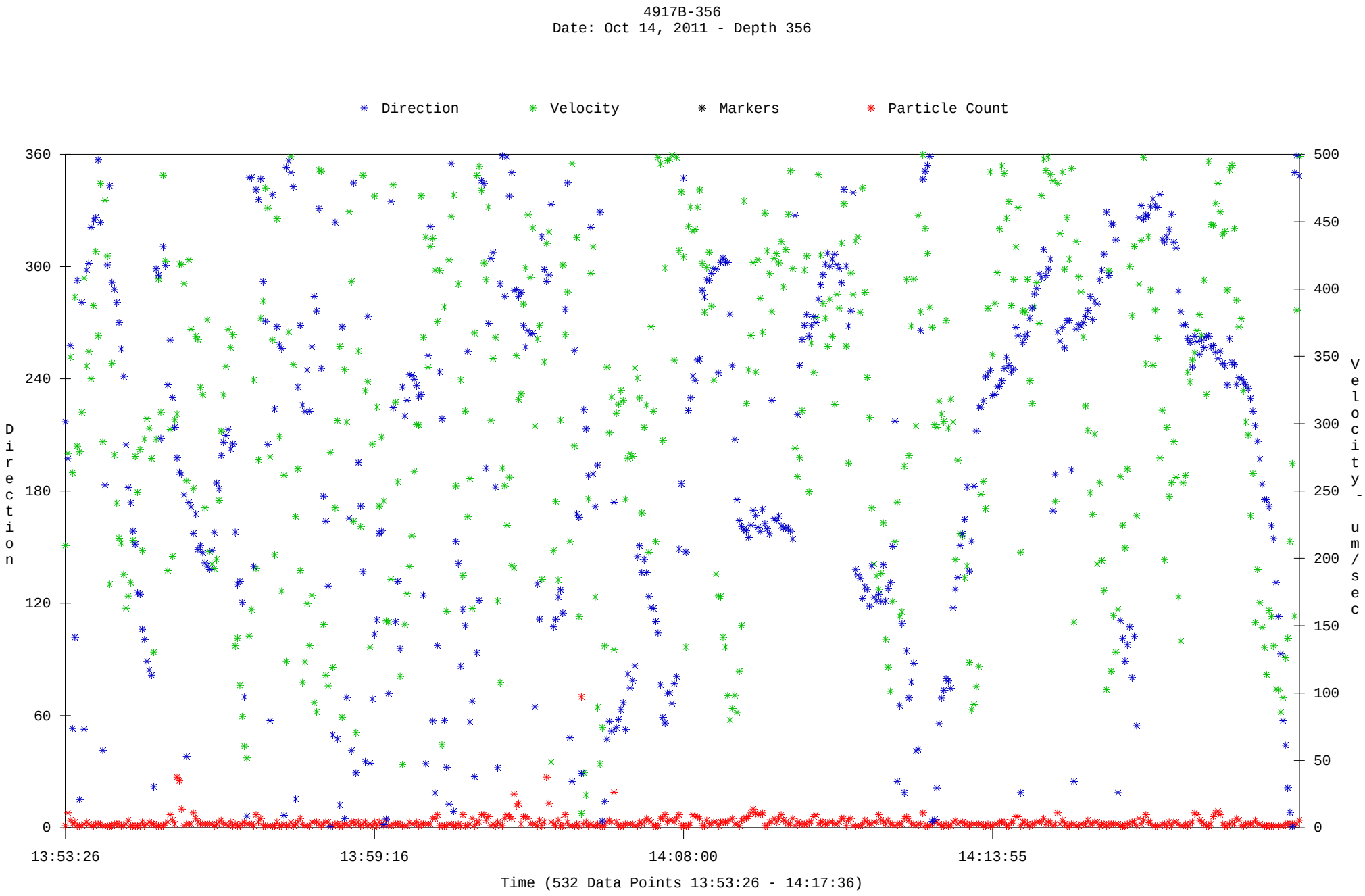
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	307.52	316.04	10.70	499.80	119.68
ft/day:	87.36	89.78	3.04	141.99	34.00
ft/day / 2:	43.68	44.89	1.52	70.99	17.00
ft/day / 3:	29.12	29.93	1.01	47.33	11.33
ft/day / 4:	21.84	22.45	0.76	35.50	8.50

Velocity Vector:

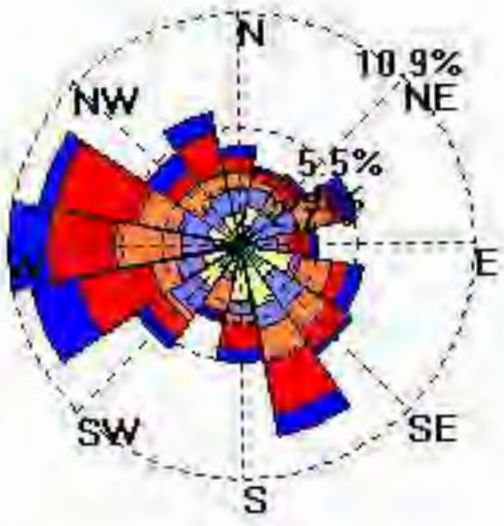
Azimuth: 248.67

Actual Velocity

um/sec:	59.99
ft/day:	17.04
ft/day / 2:	8.52
ft/day / 3:	5.68
ft/day / 4:	4.26



Avg. Dir: 248.67 - Avg.Vel: 59.99
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-356.aqv



49178-356 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-356
Depth: 356
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 12:03:09 - 12:23:44
Data Points: 1180

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
198.00	238.81	0.53	359.61	106.86

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	507.41	455.74	30.02	998.38	234.14
ft/day:	144.15	129.47	8.53	283.63	66.52
ft/day / 2:	72.08	64.74	4.26	141.82	33.26
ft/day / 3:	48.05	43.16	2.84	94.54	22.17
ft/day / 4:	36.04	32.37	2.13	70.91	16.63

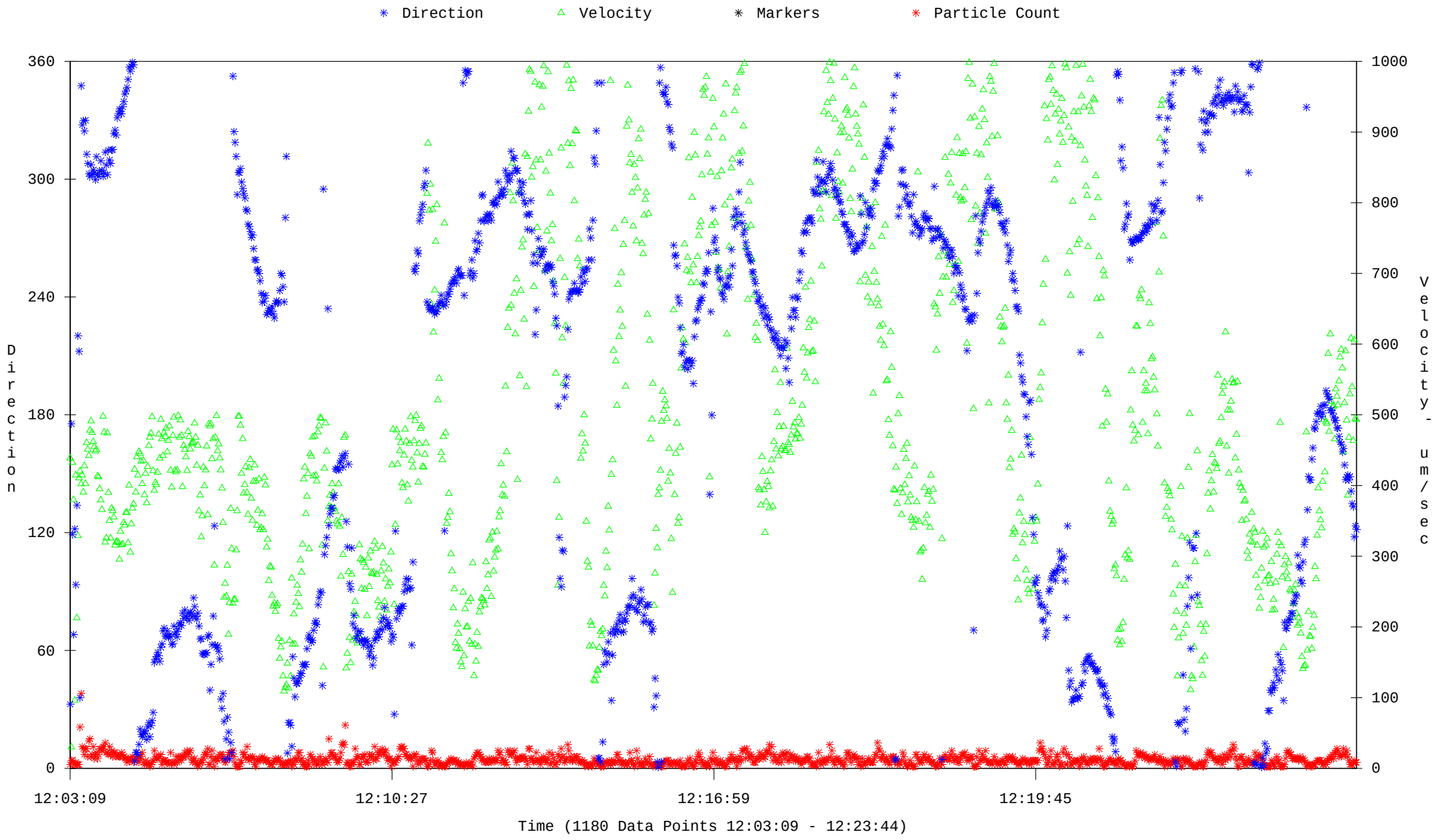
Velocity Vector:

Azimuth: 307.12

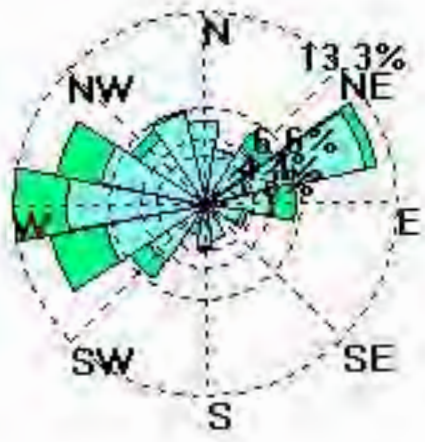
Actual Velocity

um/sec:	145.34
ft/day:	41.29
ft/day / 2:	20.64
ft/day / 3:	13.76
ft/day / 4:	10.32

4917B-356
Date: Oct 19, 2011 - Depth 356



Avg. Dir: 307.12 - Avg.Vel: 145.34
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-356.aqv



Colloid Velocity (um/s)

- 4200 - 4980
- 3500 - 4200
- 2800 - 3500
- 2100 - 2800
- 1400 - 2100
- 700 - 1400
- 0 - 700

49178-356 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-356.5
Depth: 356.5
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 15:18:50 - 15:31:38
Data Points: 1640

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	191.84	205.64	0.04	359.98	88.16

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	1060.08	817.26	101.66	2991.17	759.96
ft/day:	301.16	232.18	28.88	849.76	215.90
ft/day / 2:	150.58	116.09	14.44	424.88	107.95
ft/day / 3:	100.39	77.39	9.63	283.25	71.97
ft/day / 4:	75.29	58.04	7.22	212.44	53.97

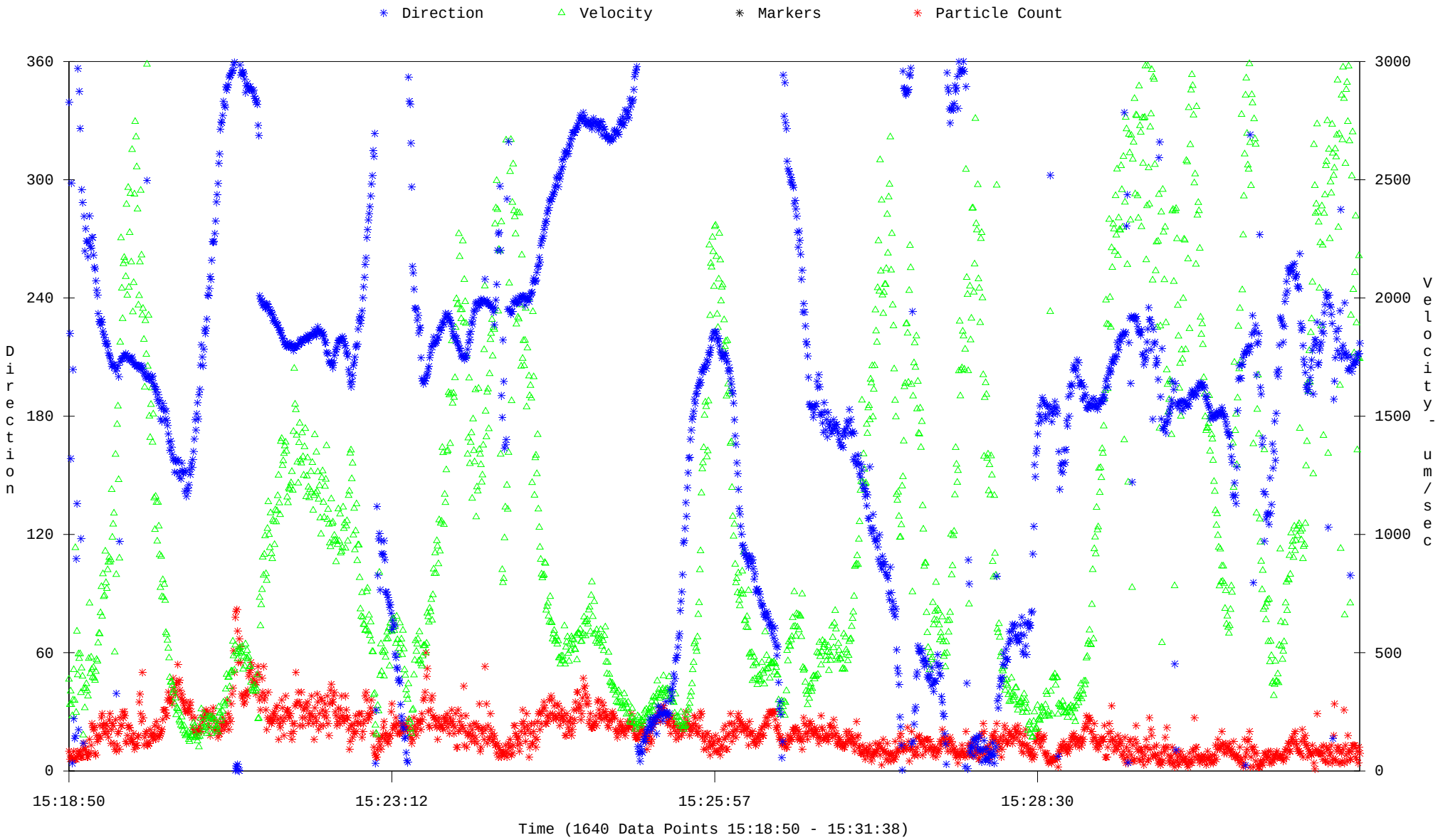
Velocity Vector:

Azimuth: 211.94

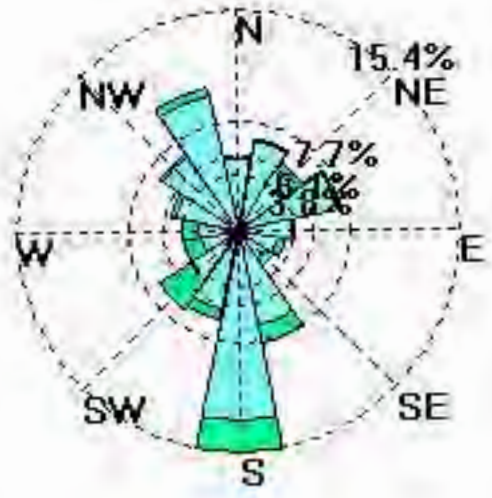
Actual Velocity

um/sec:	554.35
ft/day:	157.49
ft/day / 2:	78.74
ft/day / 3:	52.50
ft/day / 4:	39.37

4917B-356.5
Date: Oct 19, 2011 - Depth 356.5



Avg. Dir: 211.94 - Avg.Vel: 554.35
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-356.5.aqv



Colloid Velocity (um/s)

- 4200 - 4980
- 3500 - 4200
- 2800 - 3500
- 2100 - 2800
- 1400 - 2100
- 700 - 1400
- 0 - 700

49178-050.5 - Groundwater Flow Direction vs Velocity

Well Analysis Summary

Well Name: 356.75
Depth: 356.75
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 15:38:38 - 15:55:26
Data Points: 2560

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	196.15	192.16	0.39	359.83	92.80

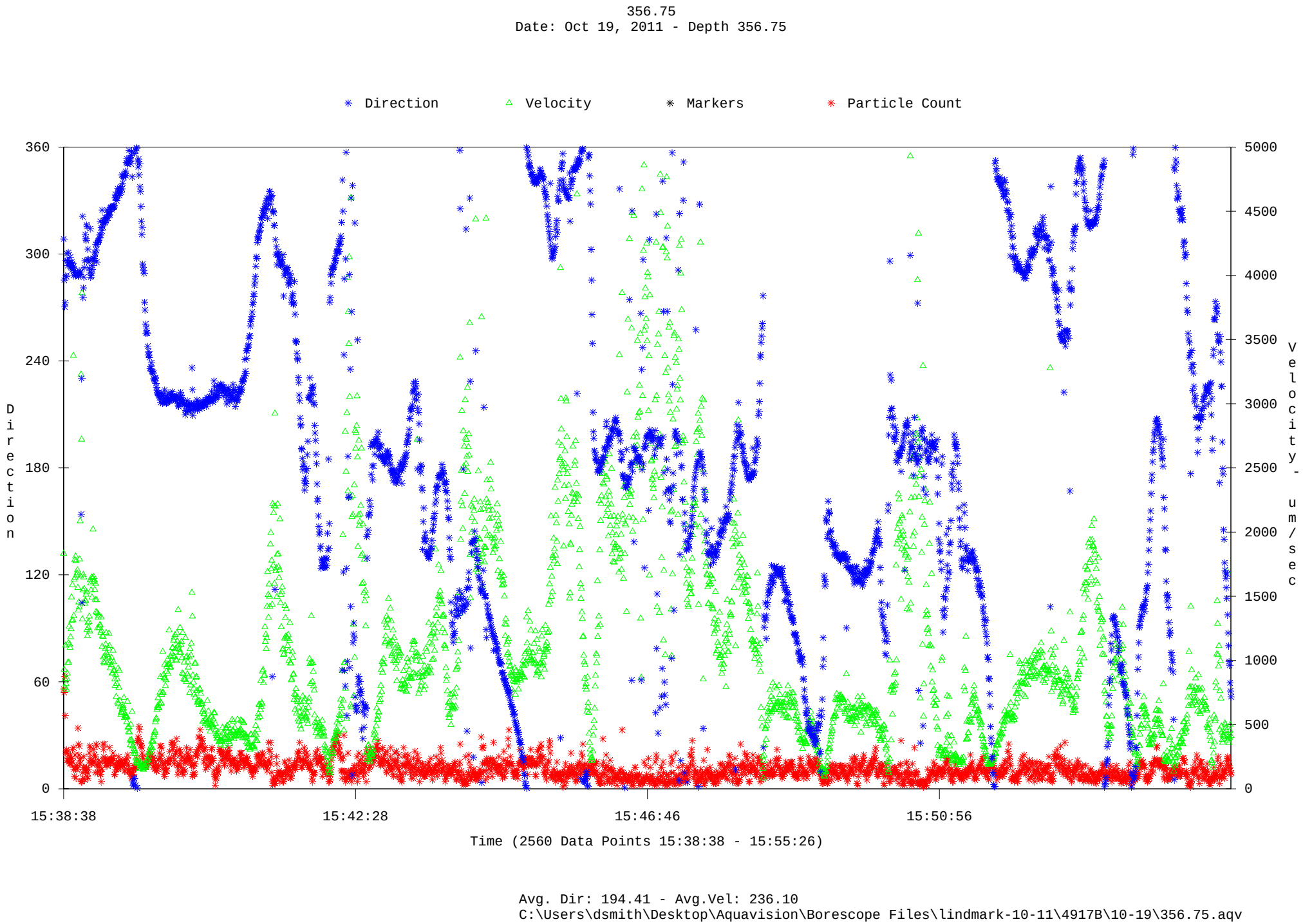
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	1108.34	872.64	83.10	4930.29	823.47
ft/day:	314.87	247.91	23.61	1400.65	233.94
ft/day / 2:	157.43	123.95	11.80	700.33	116.97
ft/day / 3:	104.96	82.64	7.87	466.88	77.98
ft/day / 4:	78.72	61.98	5.90	350.16	58.48

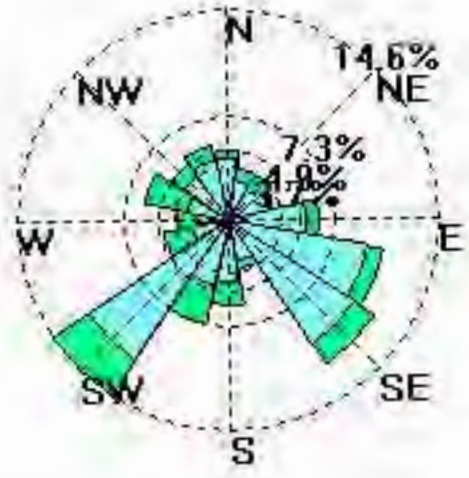
Velocity Vector:

Azimuth: 194.41

Actual Velocity

um/sec:	236.10
ft/day:	67.07
ft/day / 2:	33.54
ft/day / 3:	22.36
ft/day / 4:	16.77


356.75
Date: Oct 19, 2011 - Depth 356.75
Direction
Velocity
Markers
Particle Count
360
300
240
180
120
60
0
Direction
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Velocity - um/sec
15:38:38
15:42:28
15:46:46
15:50:56
Time (2560 Data Points 15:38:38 - 15:55:26)
Avg. Dir: 194.41 - Avg.Vel: 236.10
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\356.75.aqv



Colloid Velocity (um/s)

- 4200 - 4980
- 3500 - 4200
- 2800 - 3500
- 2100 - 2800
- 1400 - 2100
- 700 - 1400
- 0 - 700

49178-356 75 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-357
Depth: 357
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 14:22:42 - 14:34:41
Data Points: 285

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
182.20	182.95	0.06	356.42	104.65

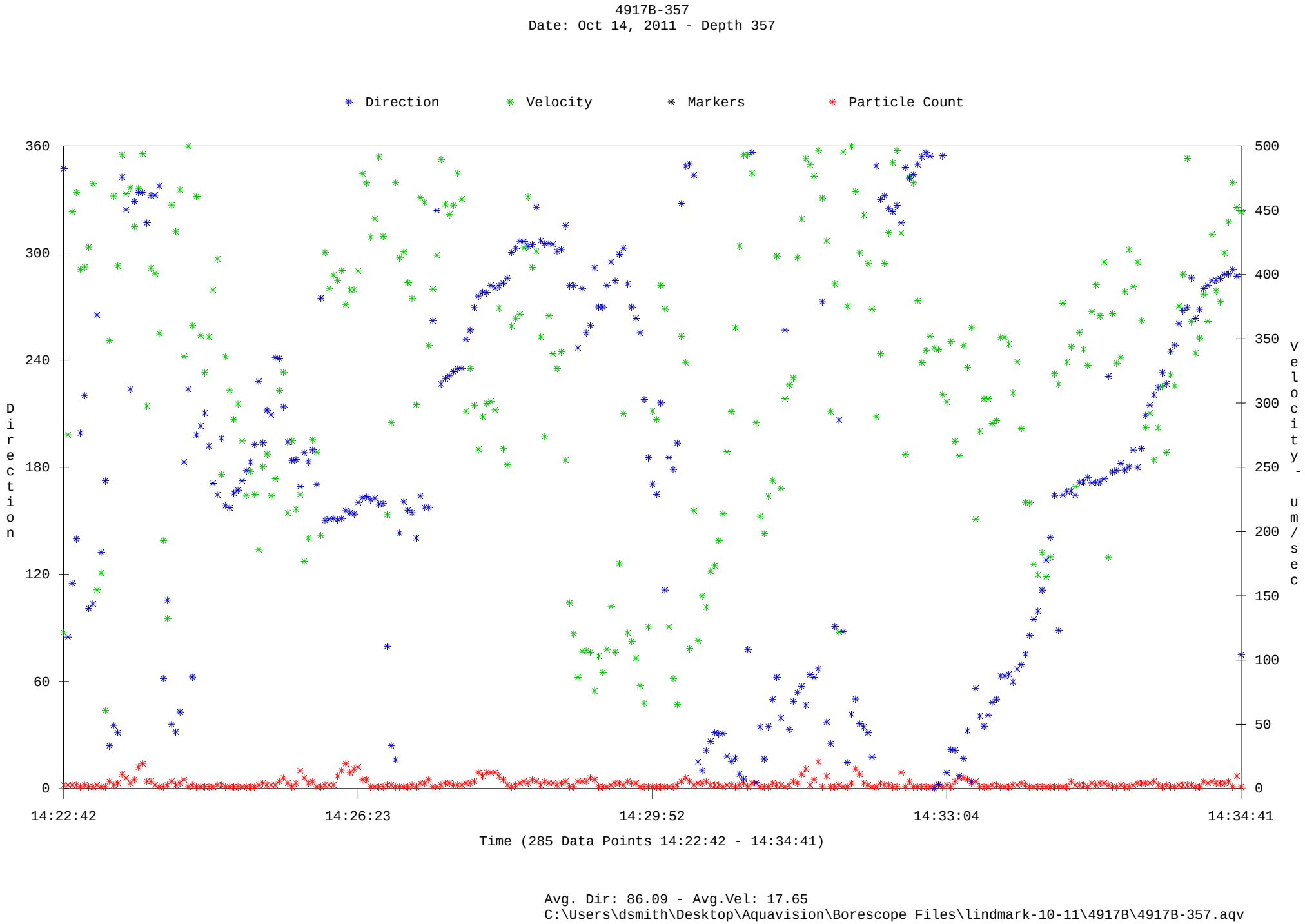
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	324.59	341.05	60.86	499.92	111.54
ft/day:	92.21	96.89	17.29	142.02	31.69
ft/day / 2:	46.11	48.44	8.64	71.01	15.84
ft/day / 3:	30.74	32.30	5.76	47.34	10.56
ft/day / 4:	23.05	24.22	4.32	35.51	7.92

Velocity Vector:

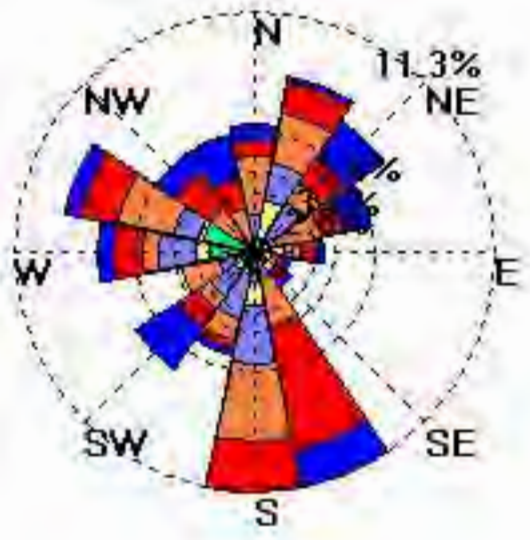
Azimuth: 86.09

Actual Velocity

um/sec:	17.65
ft/day:	5.02
ft/day / 2:	2.51
ft/day / 3:	1.67
ft/day / 4:	1.25



Avg. Dir: 86.09 - Avg.Vel: 17.65
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-357.aqv



49178-357 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-357.25
Depth: 357.25
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 16:04:24 - 16:21:21
Data Points: 2723

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
180.95	188.79	0.34	359.92	84.92

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	713.54	648.02	42.42	3906.30	391.61
ft/day:	202.71	184.10	12.05	1109.74	111.25
ft/day / 2:	101.36	92.05	6.03	554.87	55.63
ft/day / 3:	67.57	61.37	4.02	369.91	37.08
ft/day / 4:	50.68	46.02	3.01	277.44	27.81

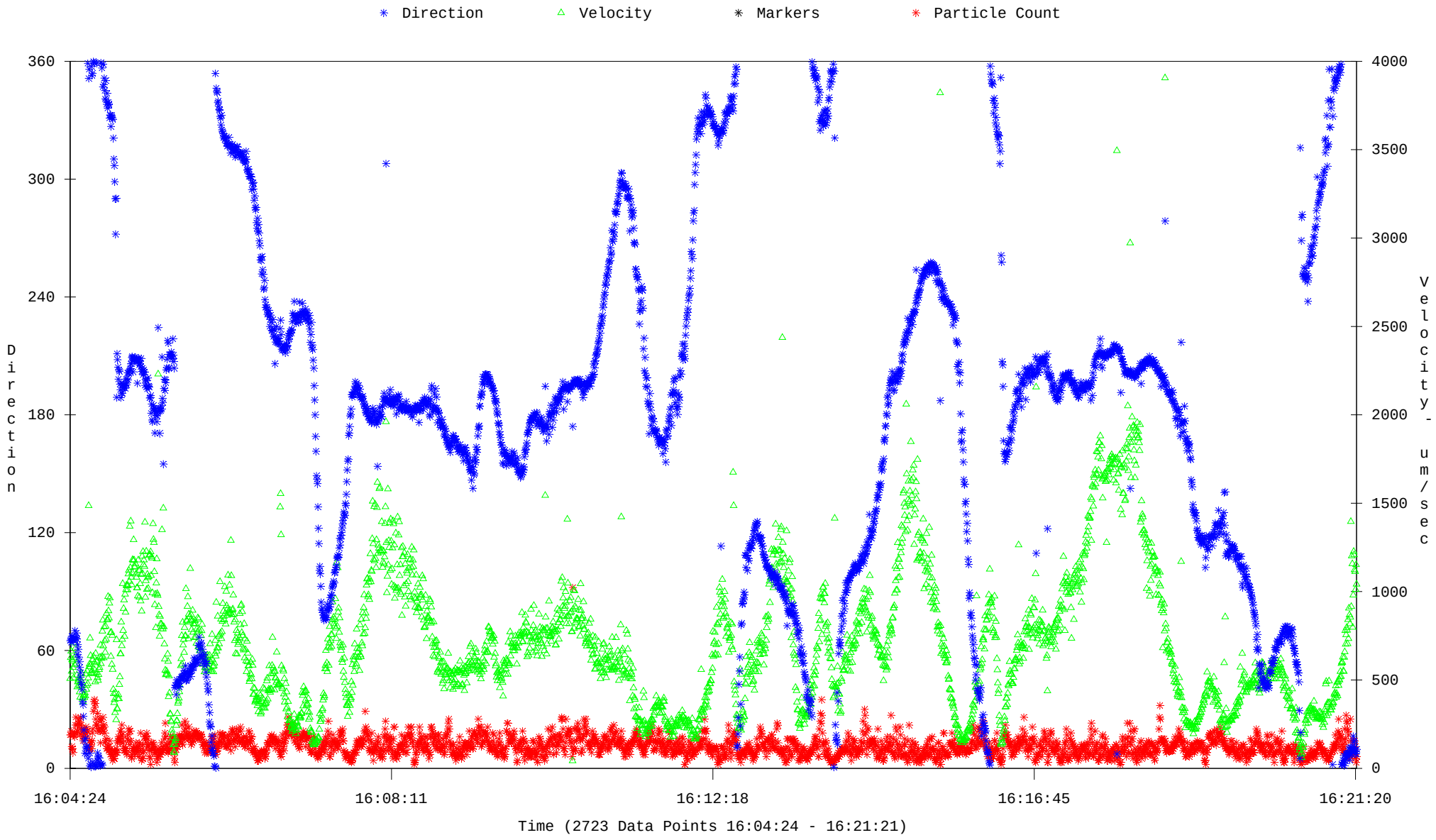
Velocity Vector:

Azimuth: 182.58

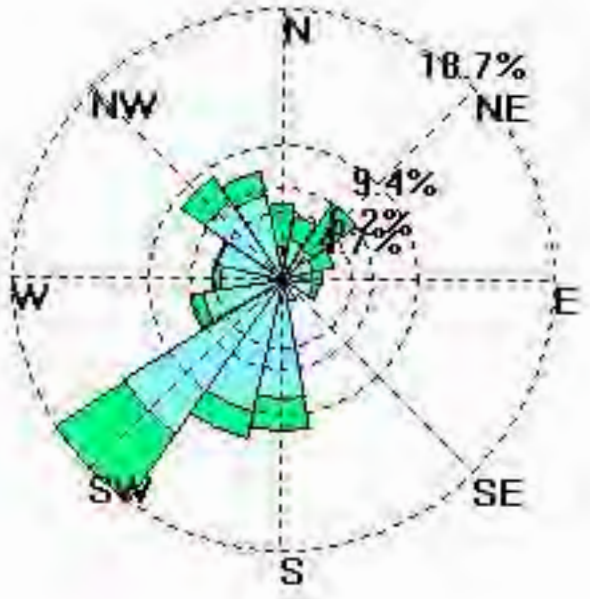
Actual Velocity

um/sec:	294.40
ft/day:	83.64
ft/day / 2:	41.82
ft/day / 3:	27.88
ft/day / 4:	20.91

4917B-357.25
Date: Oct 19, 2011 - Depth 357.25



Avg. Dir: 182.58 - Avg.Vel: 294.40
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-357.75.aqv



Colloid Velocity (um/s)

- 4200 - 4980
- 3500 - 4200
- 2800 - 3500
- 2100 - 2800
- 1400 - 2100
- 700 - 1400
- 0 - 700

4917B-057 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-357.25
Depth: 357.25
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 16:04:24 - 16:21:21
Data Points: 2723

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
180.95	188.79	0.34	359.92	84.92

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	713.54	648.02	42.42	3906.30	391.61
ft/day:	202.71	184.10	12.05	1109.74	111.25
ft/day / 2:	101.36	92.05	6.03	554.87	55.63
ft/day / 3:	67.57	61.37	4.02	369.91	37.08
ft/day / 4:	50.68	46.02	3.01	277.44	27.81

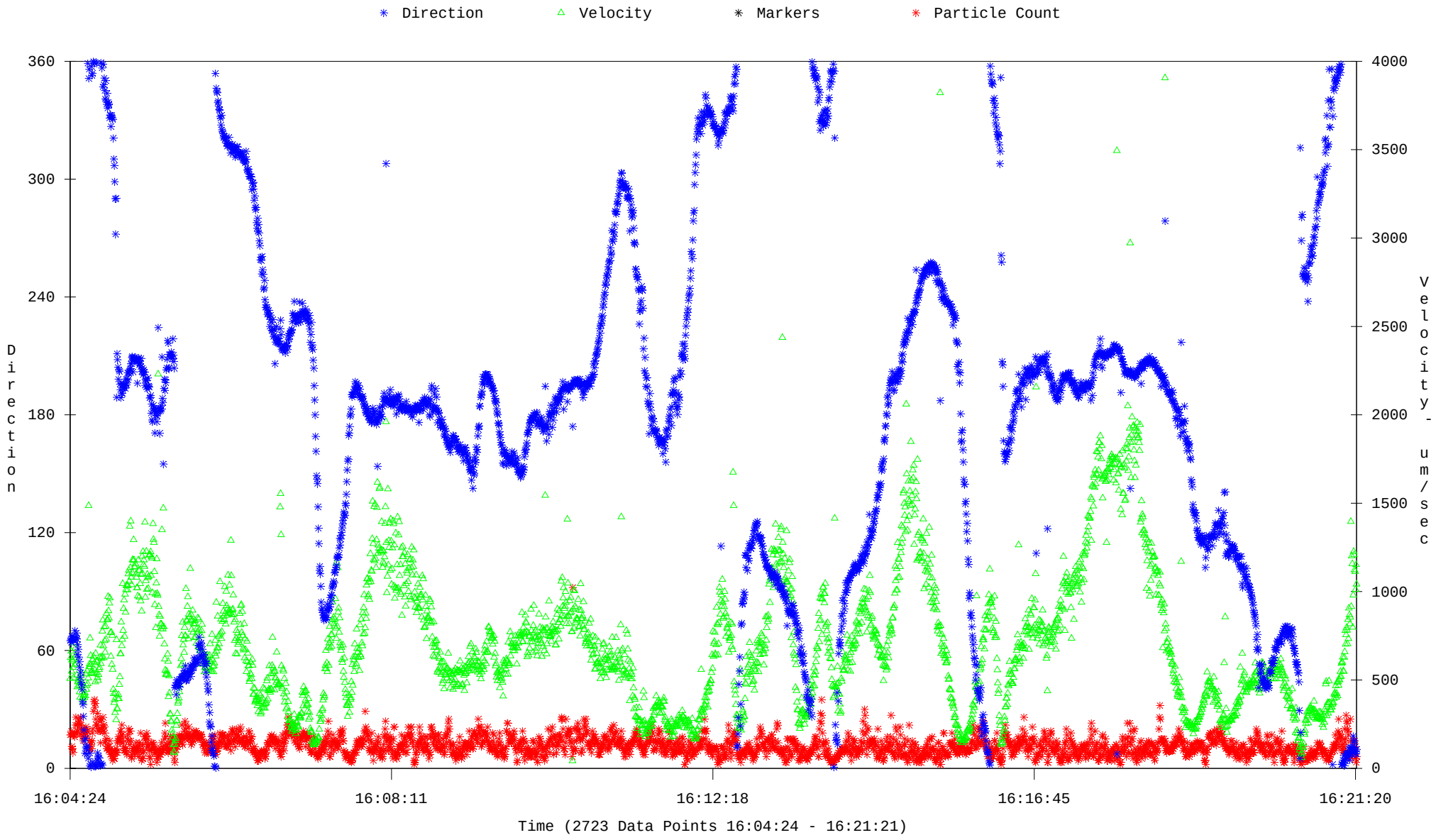
Velocity Vector:

Azimuth: 182.58

Actual Velocity

um/sec:	294.40
ft/day:	83.64
ft/day / 2:	41.82
ft/day / 3:	27.88
ft/day / 4:	20.91

4917B-357.25
Date: Oct 19, 2011 - Depth 357.25



Avg. Dir: 182.58 - Avg.Vel: 294.40
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-357.75.aqv

Well Analysis Summary

Well Name: 4917B-357.5
Depth: 357.5
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 13:02:22 - 13:17:18
Data Points: 2127

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	223.87	254.30	0.53	359.32	95.34

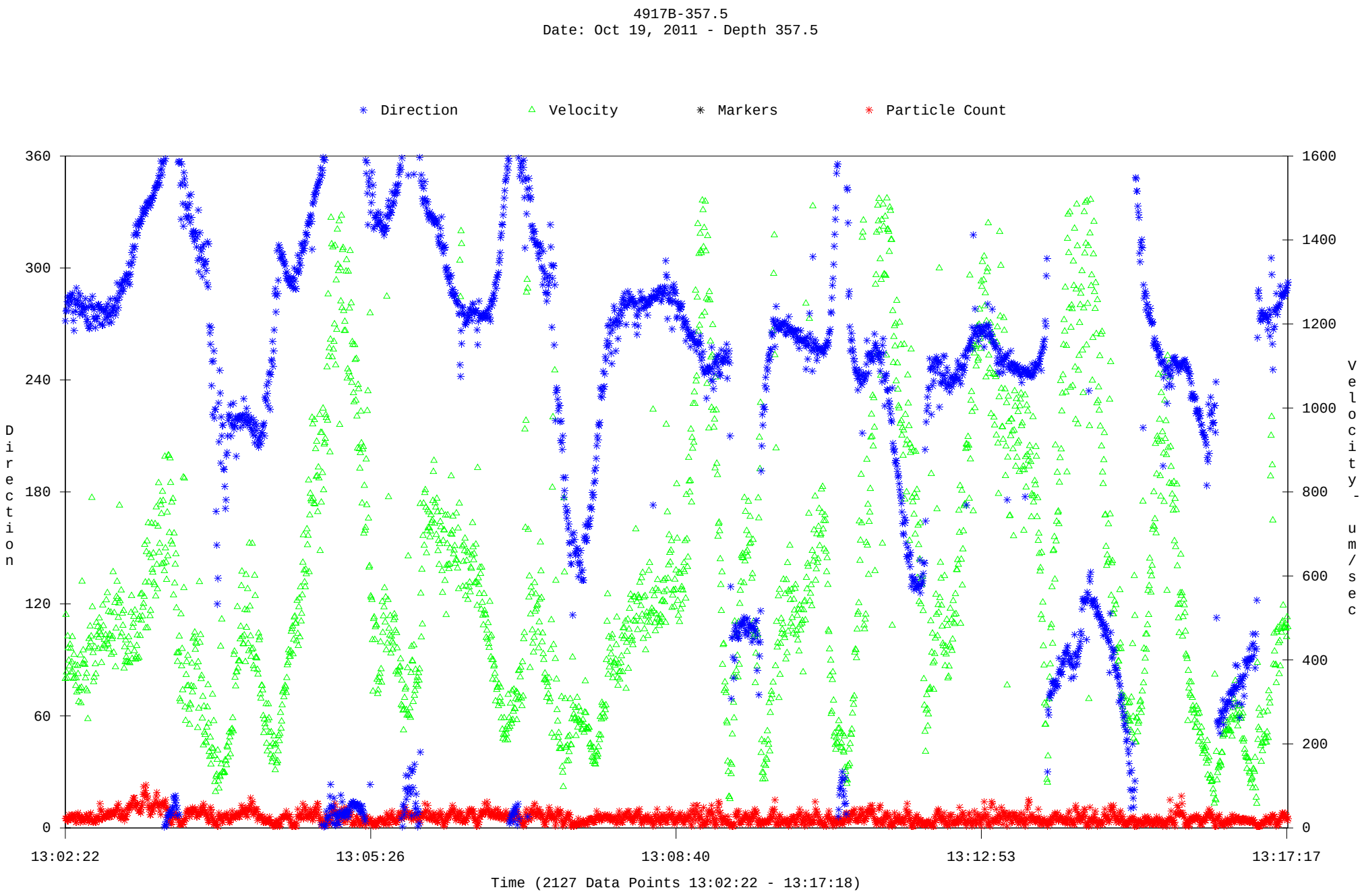
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	585.09	504.95	58.04	1499.64	331.62
ft/day:	166.22	143.45	16.49	426.04	94.21
ft/day / 2:	83.11	71.73	8.24	213.02	47.11
ft/day / 3:	55.41	47.82	5.50	142.01	31.40
ft/day / 4:	41.55	35.86	4.12	106.51	23.55

Velocity Vector:

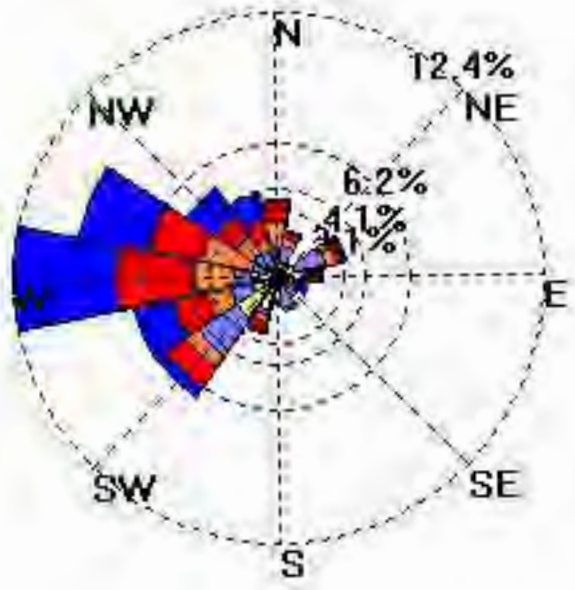
Azimuth: 278.57

Actual Velocity

um/sec:	253.48
ft/day:	72.01
ft/day / 2:	36.01
ft/day / 3:	24.00
ft/day / 4:	18.00



Avg. Dir: 278.57 - Avg.Vel: 253.48
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-357.5.aqv



49178-057.6 Dont' - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-357.75
Depth: 357.75
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 16:26:02 - 16:34:32
Data Points: 1442

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	190.03	199.44	0.18	359.91	88.99

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	943.63	803.43	73.40	4716.60	586.06
ft/day:	268.08	228.25	20.85	1339.94	166.49
ft/day / 2:	134.04	114.12	10.43	669.97	83.25
ft/day / 3:	89.36	76.08	6.95	446.65	55.50
ft/day / 4:	67.02	57.06	5.21	334.99	41.62

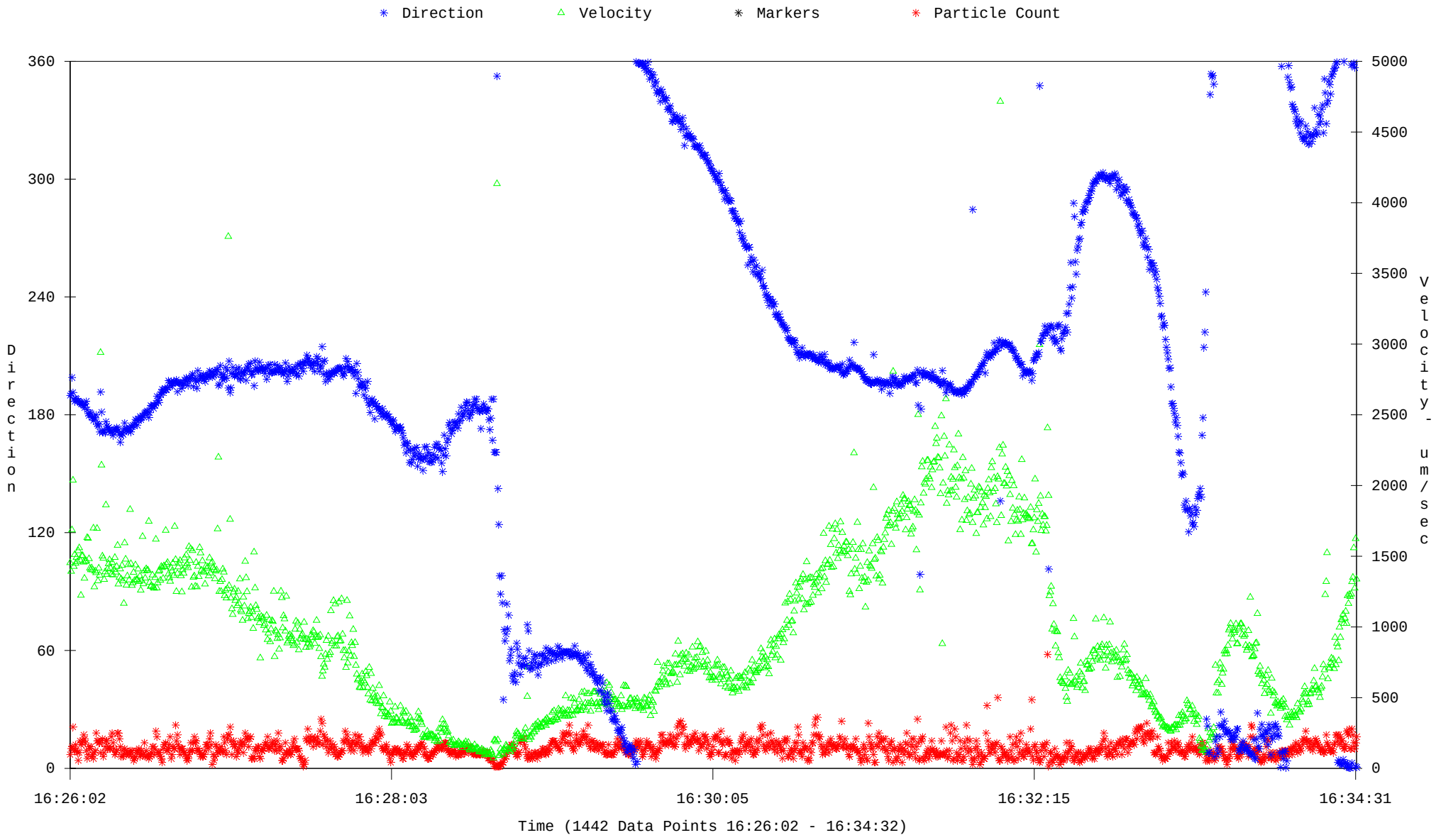
Velocity Vector:

Azimuth: 212.88

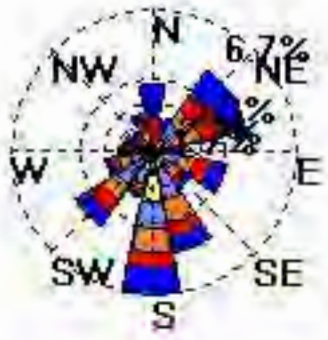
Actual Velocity

um/sec:	554.39
ft/day:	157.50
ft/day / 2:	78.75
ft/day / 3:	52.50
ft/day / 4:	39.37

4917B-357.75
Date: Oct 19, 2011 - Depth 357.75



Avg. Dir: 212.88 - Avg.Vel: 554.39
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-357.25.aqv



Colloid Velocity (um/s)

- 450 - 525
- 375 - 450
- 300 - 375
- 225 - 300
- 150 - 225
- 75 - 150
- 0 - 75

49178-357.75 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-358
Depth: 358
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 14:55:20 - 15:01:57
Data Points: 274

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
144.04	126.44	4.20	358.98	98.40

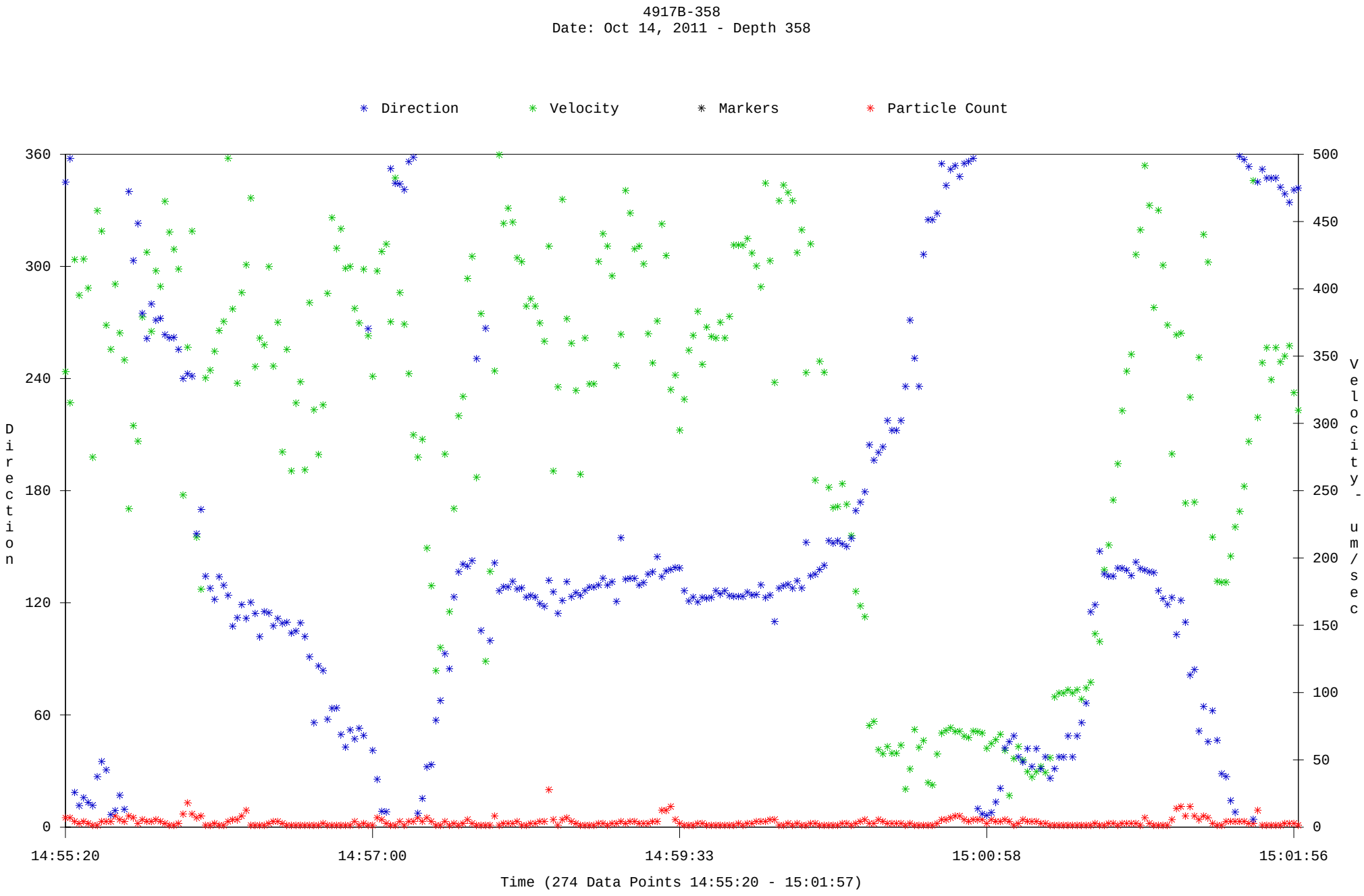
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	298.50	342.65	23.55	499.74	135.03
ft/day:	84.80	97.34	6.69	141.97	38.36
ft/day / 2:	42.40	48.67	3.35	70.99	19.18
ft/day / 3:	28.27	32.45	2.23	47.32	12.79
ft/day / 4:	21.20	24.34	1.67	35.49	9.59

Velocity Vector:

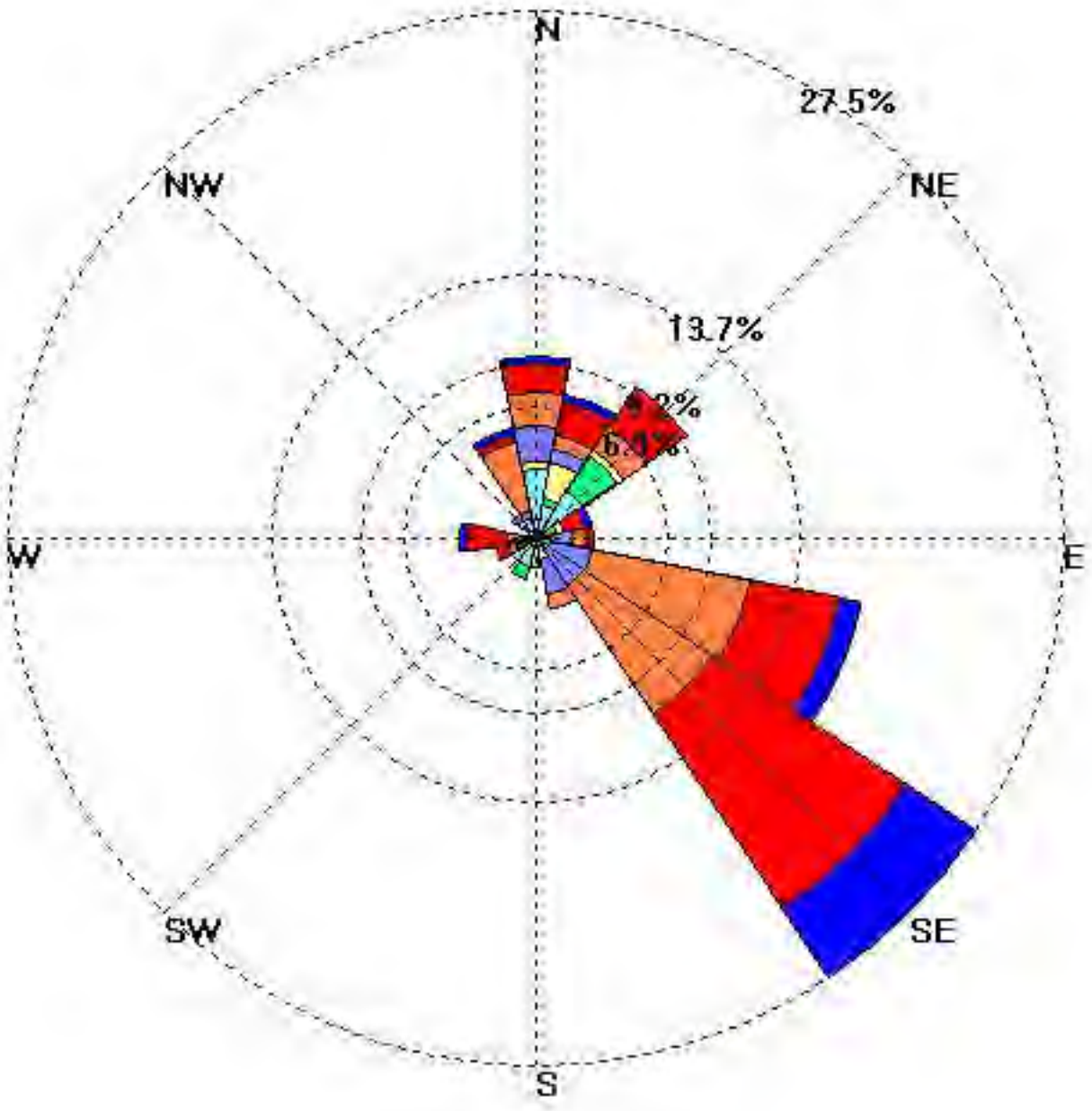
Azimuth: 93.57

Actual Velocity

um/sec:	149.58
ft/day:	42.49
ft/day / 2:	21.25
ft/day / 3:	14.16
ft/day / 4:	10.62



Avg. Dir: 93.57 - Avg.Vel: 149.58
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-358.aqv



49178-356 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-358
Depth: 358
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 12:44:16 - 13:00:15
Data Points: 2431

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
189.19	199.68	0.09	359.92	96.03

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	573.07	574.16	15.01	2882.73	246.75
ft/day:	162.80	163.11	4.26	818.96	70.10
ft/day / 2:	81.40	81.56	2.13	409.48	35.05
ft/day / 3:	54.27	54.37	1.42	272.99	23.37
ft/day / 4:	40.70	40.78	1.07	204.74	17.52

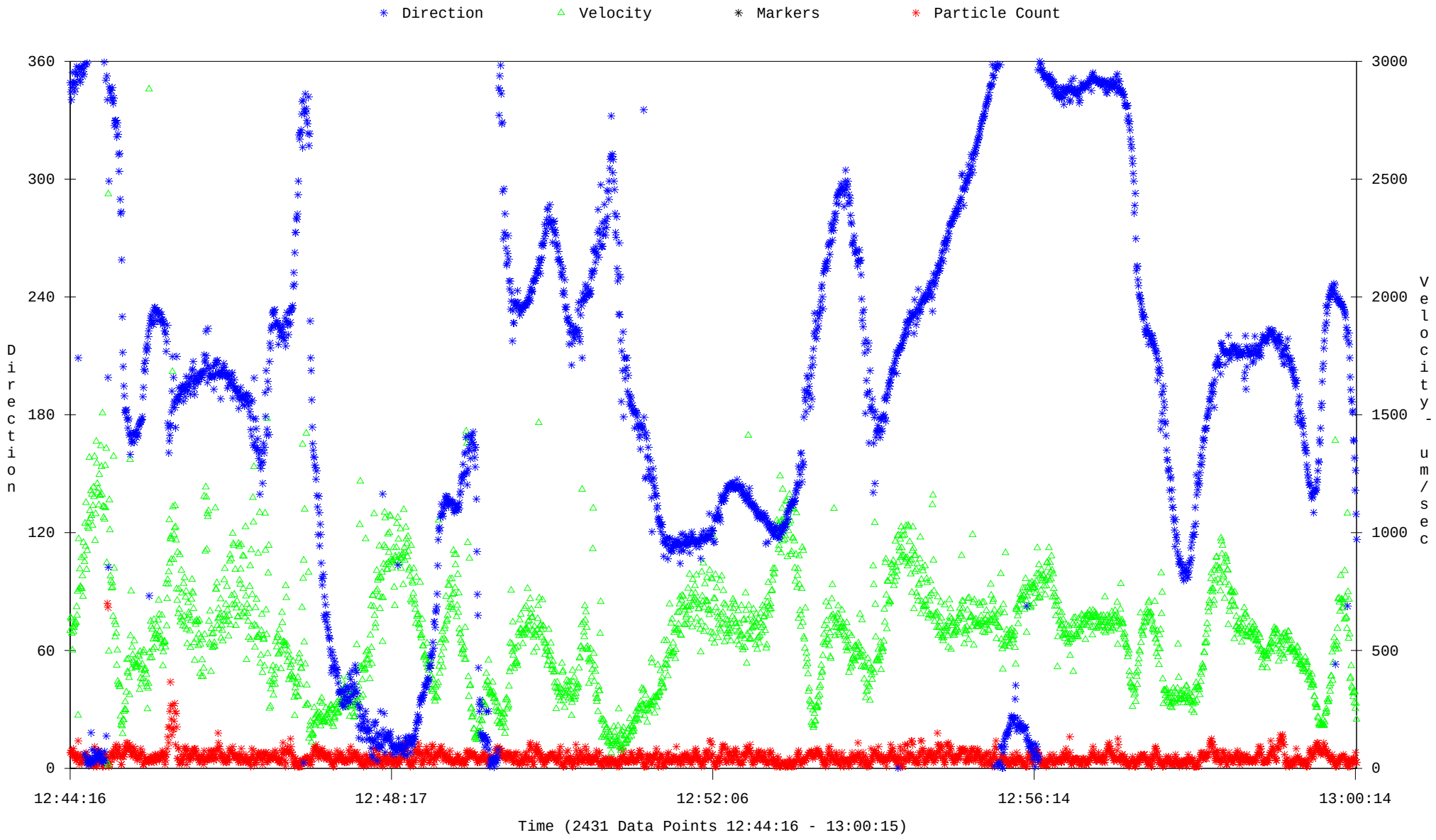
Velocity Vector:

Azimuth: 210.88

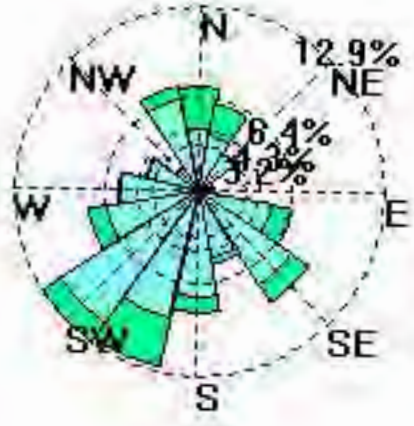
Actual Velocity

um/sec:	107.03
ft/day:	30.41
ft/day / 2:	15.20
ft/day / 3:	10.14
ft/day / 4:	7.60

4917B-358
Date: Oct 19, 2011 - Depth 358



Avg. Dir: 210.88 - Avg.Vel: 107.03
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-358.aqv



Colloid Velocity (um/s)

- 4200 - 4980
- 3500 - 4200
- 2800 - 3500
- 2100 - 2800
- 1400 - 2100
- 700 - 1400
- 0 - 700

49178-356 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4916B-358
Depth: 358
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 14:37:49 - 14:39:35
Data Points: 35

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
151.66	177.58	5.54	359.29	94.13

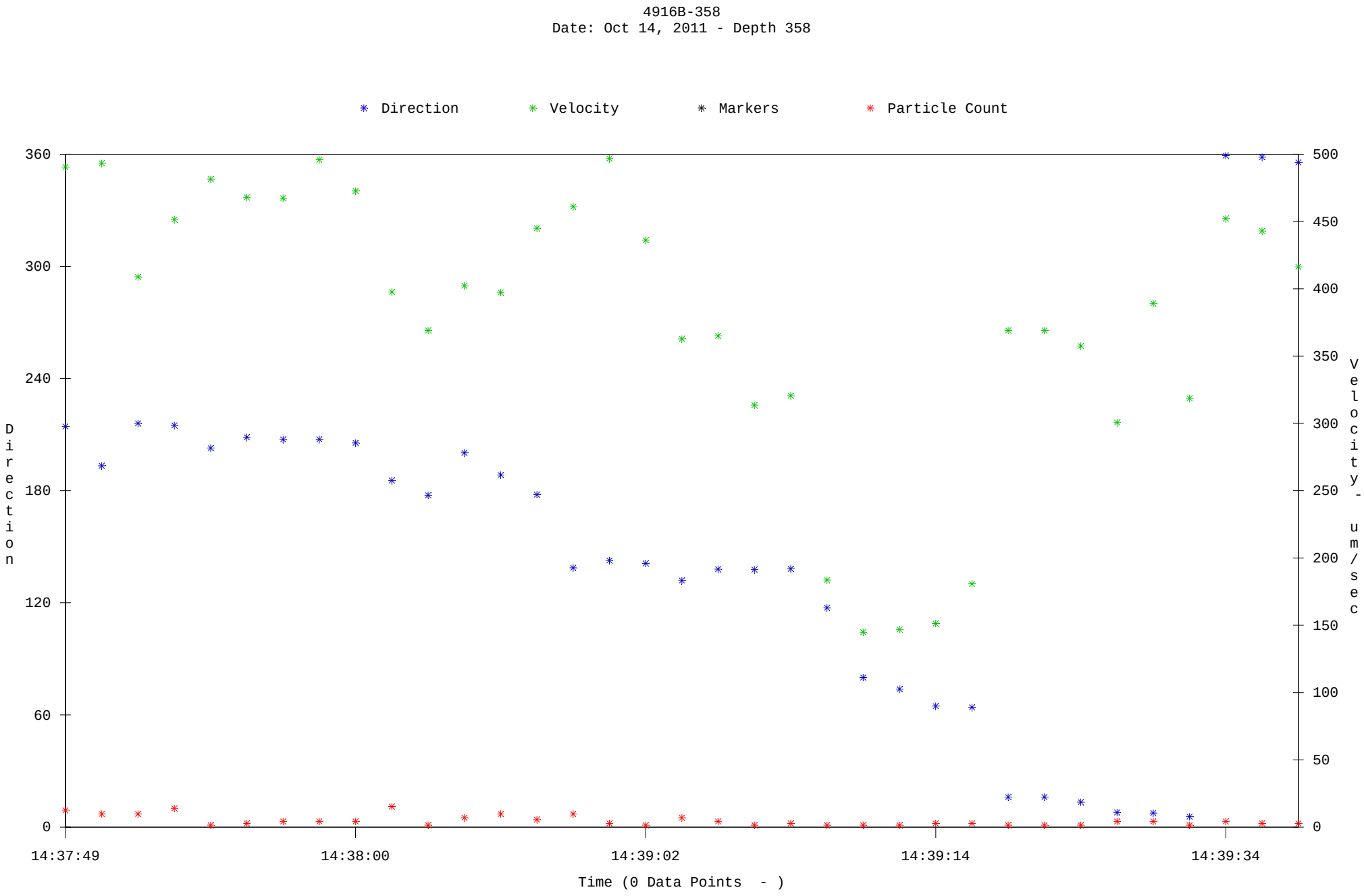
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	377.72	402.25	144.83	496.82	103.85
ft/day:	107.31	114.27	41.15	141.14	29.50
ft/day / 2:	53.65	57.14	20.57	70.57	14.75
ft/day / 3:	35.77	38.09	13.72	47.05	9.83
ft/day / 4:	26.83	28.57	10.29	35.29	7.38

Velocity Vector:

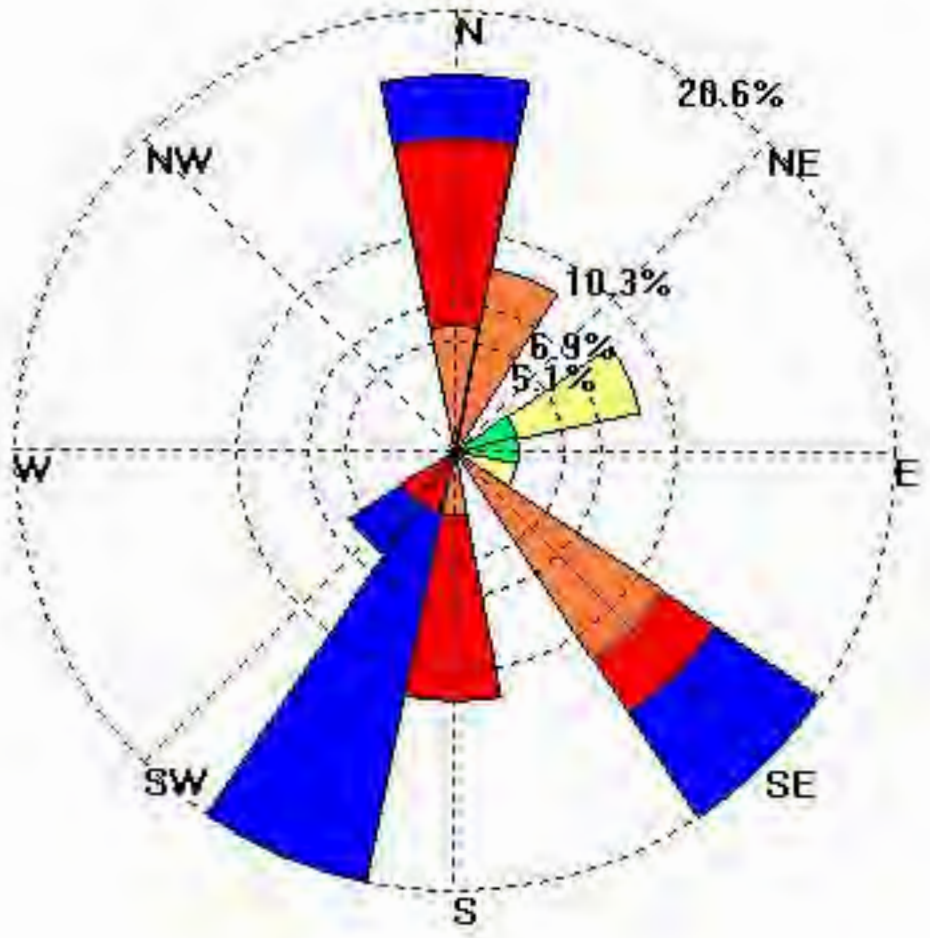
Azimuth: 145.90

Actual Velocity

um/sec:	124.04
ft/day:	35.24
ft/day / 2:	17.62
ft/day / 3:	11.75
ft/day / 4:	8.81



Avg. Dir: 145.90 - Avg.Vel: 124.04
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-358 (2).aqv



Colloid Velocity (um/s)

- 450 - 525
- 375 - 450
- 300 - 375
- 225 - 300
- 150 - 225
- 75 - 150
- 0 - 75

49178-358b - Groundwater Flow Direction vs. Velocit

Well Analysis Summary

Well Name: 4917B-359
Depth: 359
Mag. Dec.: +13.00
Date: Oct 14, 2011
Time: 15:12:34 - 15:24:40
Data Points: 305

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
184.61	172.26	1.81	359.30	98.70

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	224.78	205.26	33.44	494.08	129.46
ft/day:	63.86	58.31	9.50	140.36	36.78
ft/day / 2:	31.93	29.16	4.75	70.18	18.39
ft/day / 3:	21.29	19.44	3.17	46.79	12.26
ft/day / 4:	15.96	14.58	2.37	35.09	9.19

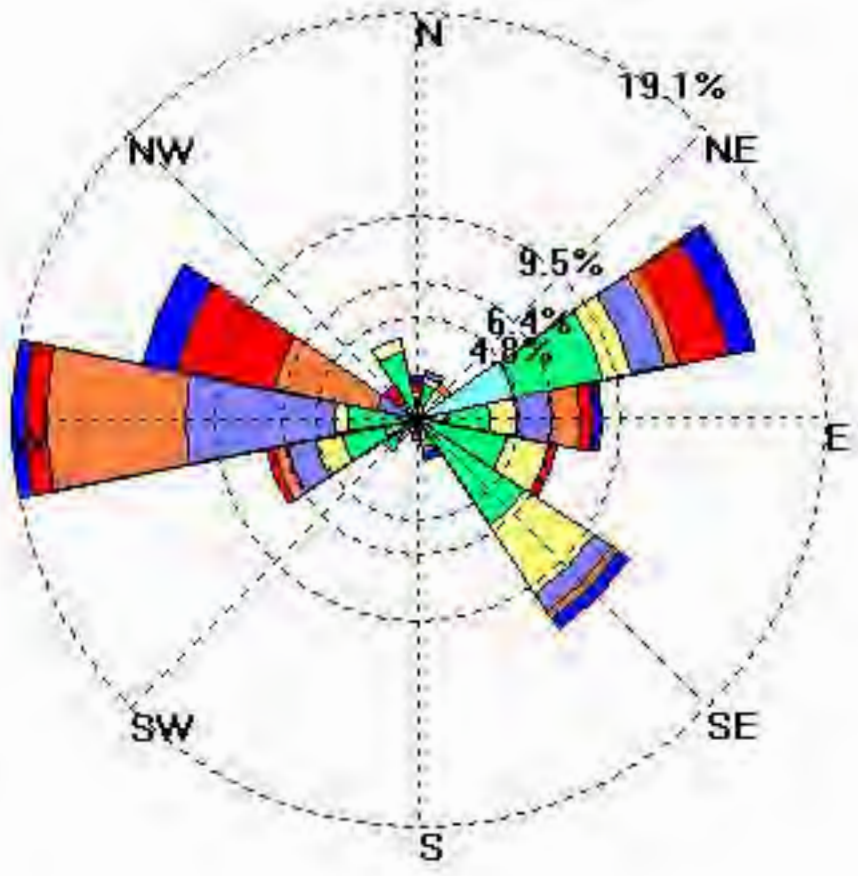
Velocity Vector:

Azimuth: 346.18

Actual Velocity

um/sec:	44.43
ft/day:	12.62
ft/day / 2:	6.31
ft/day / 3:	4.21
ft/day / 4:	3.16

4917B-359
Date: Oct 14, 2011 - Depth 359
Direction
Velocity
Markers
Particle Count
360
300
240
180
120
60
0
Direction
500
450
400
350
300
250
200
150
100
50
0
Velocity - um/sec
15:12:34
15:19:51
15:21:29
15:23:06
15:24:40
Time (305 Data Points 15:12:34 - 15:24:40)
Avg. Dir: 346.18 - Avg.Vel: 44.43
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-359.aqv



49178-359 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-360
Depth: 360
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 14:09:40 - 14:22:47
Data Points: 1968

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	253.12	311.26	0.28	359.71	116.35

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	836.71	783.26	17.25	2975.36	511.96
ft/day:	237.70	222.52	4.90	845.27	145.44
ft/day / 2:	118.85	111.26	2.45	422.64	72.72
ft/day / 3:	79.23	74.17	1.63	281.76	48.48
ft/day / 4:	59.43	55.63	1.22	211.32	36.36

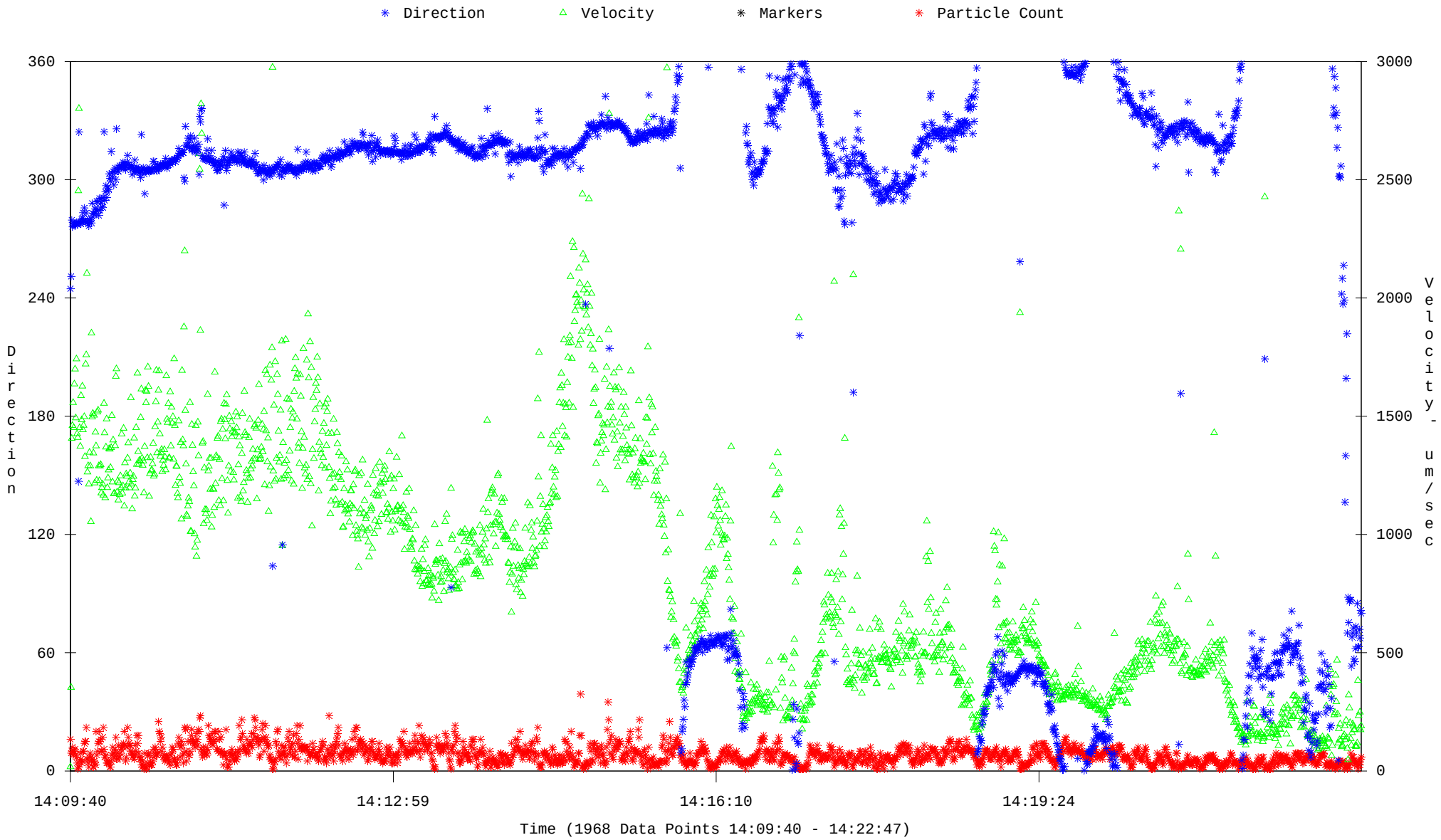
Velocity Vector:

Azimuth: 332.52

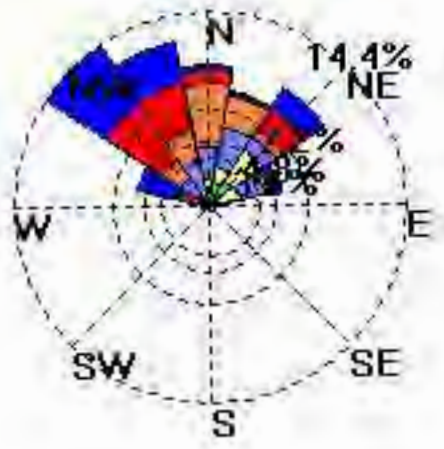
Actual Velocity

um/sec:	704.47
ft/day:	200.13
ft/day / 2:	100.07
ft/day / 3:	66.71
ft/day / 4:	50.03

4917B-360
Date: Oct 19, 2011 - Depth 360



Avg. Dir: 332.52 - Avg.Vel: 704.47
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-360.aqv



Colloid Velocity (um/s)

- 450 - 525
- 375 - 450
- 300 - 375
- 225 - 300
- 150 - 225
- 75 - 150
- 0 - 75

4917A-380 - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-362.5
Depth: 362.5
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 14:27:36 - 14:34:14
Data Points: 1042

Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
81.34	80.09	56.62	108.53	6.54

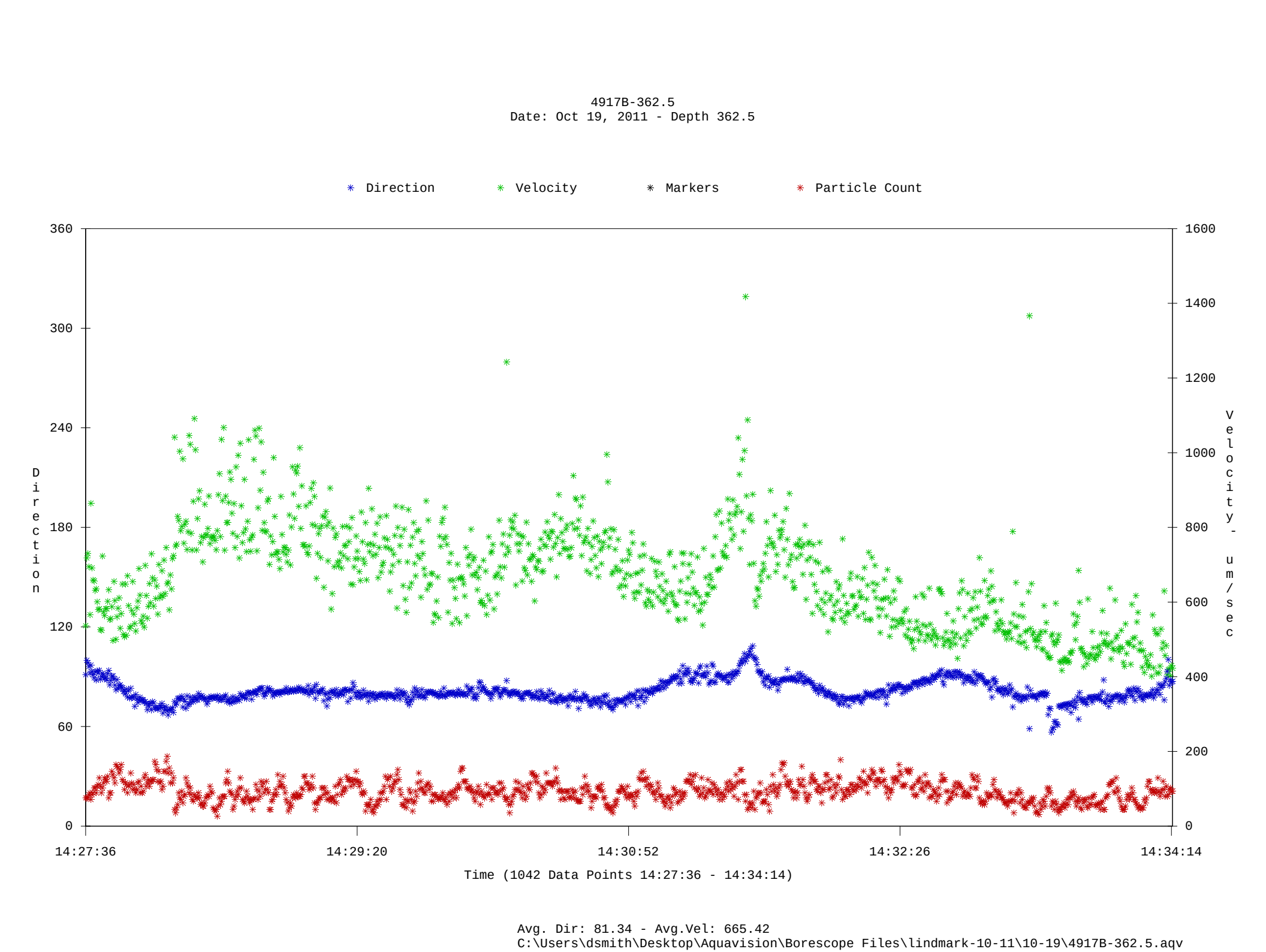
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	669.83	667.39	401.27	1418.15	137.10
ft/day:	190.29	189.60	114.00	402.88	38.95
ft/day / 2:	95.15	94.80	57.00	201.44	19.47
ft/day / 3:	63.43	63.20	38.00	134.29	12.98
ft/day / 4:	47.57	47.40	28.50	100.72	9.74

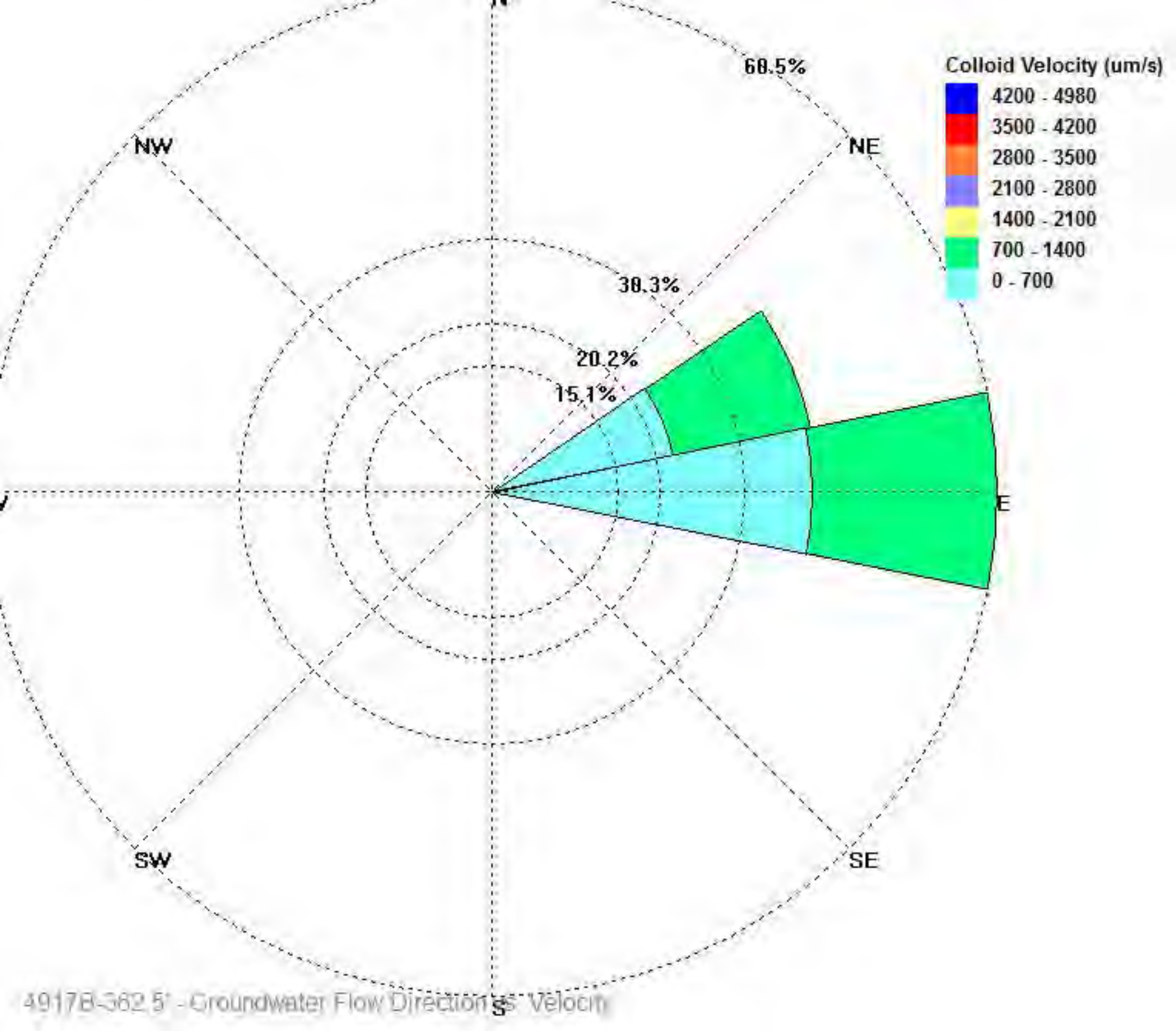
Velocity Vector:

Azimuth: 81.34

Actual Velocity

um/sec:	665.42
ft/day:	189.04
ft/day / 2:	94.52
ft/day / 3:	63.01
ft/day / 4:	47.26


4917B-362.5
Date: Oct 19, 2011 - Depth 362.5
Direction
Velocity
Markers
Particle Count
360
300
240
180
120
60
0
Direction
1600
1400
1200
1000
800
600
400
200
0
Velocity - um/sec
14:27:36
14:29:20
14:30:52
14:32:26
14:34:14
Time (1042 Data Points 14:27:36 - 14:34:14)
Avg. Dir: 81.34 - Avg.Vel: 665.42
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\10-19\4917B-362.5.aqv


Colloid Velocity (um/s)
4200 - 4980
3500 - 4200
2800 - 3500
2100 - 2800
1400 - 2100
700 - 1400
0 - 700
68.5%
38.3%
20.2%
15.1%
N
NE
E
SE
S
SW
NW
49178-382.5' - Groundwater Flow Direction vs Velocity

Well Analysis Summary

Well Name: 4917B-362.5
Depth: 362.5
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 14:36:29 - 14:55:11
Data Points: 1599

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	132.07	35.35	0.01	359.95	148.11

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	155.92	146.60	25.75	2328.19	116.63
ft/day:	44.30	41.65	7.32	661.42	33.13
ft/day / 2:	22.15	20.82	3.66	330.71	16.57
ft/day / 3:	14.77	13.88	2.44	220.47	11.04
ft/day / 4:	11.07	10.41	1.83	165.35	8.28

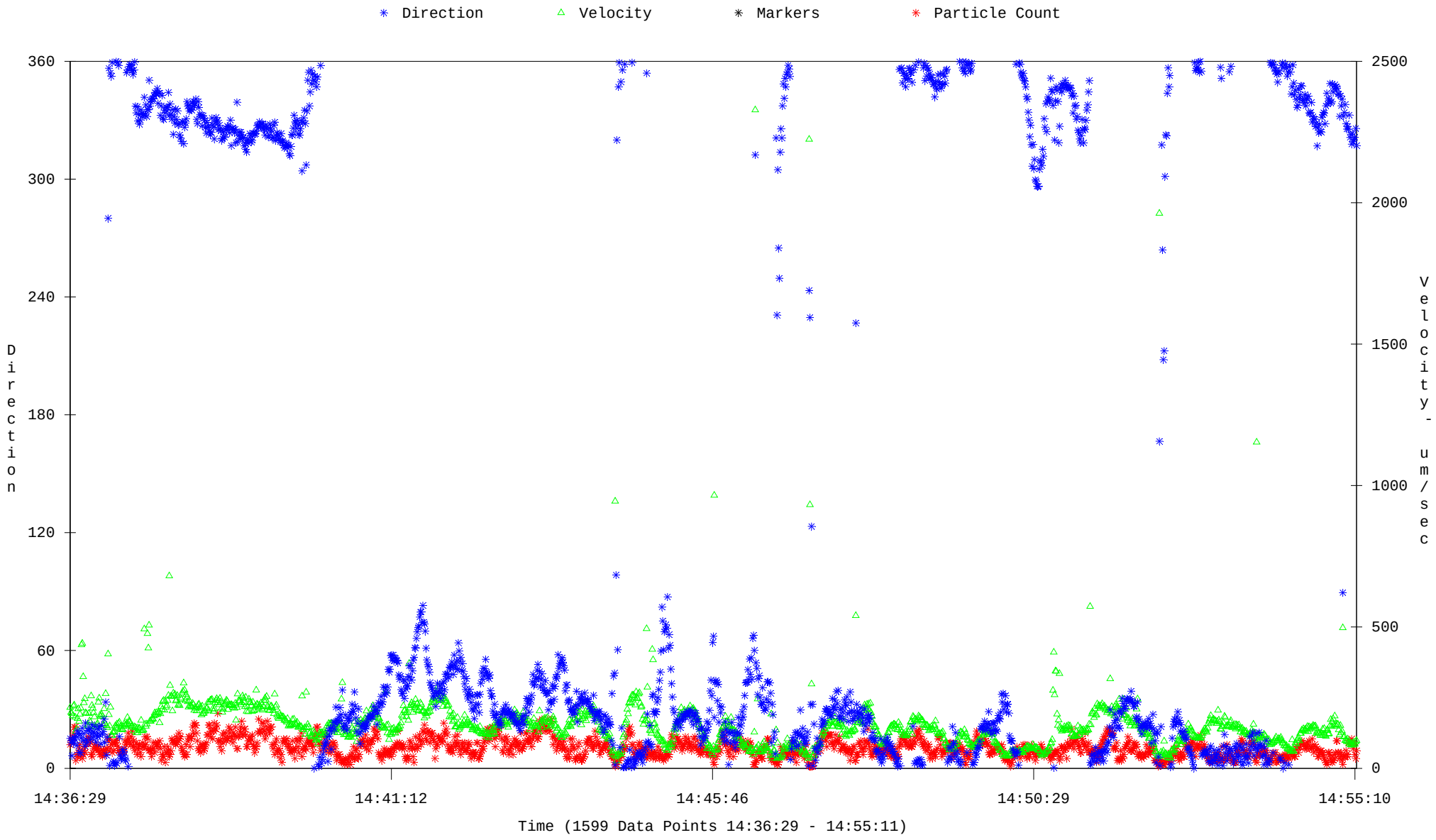
Velocity Vector:

Azimuth:	8.84

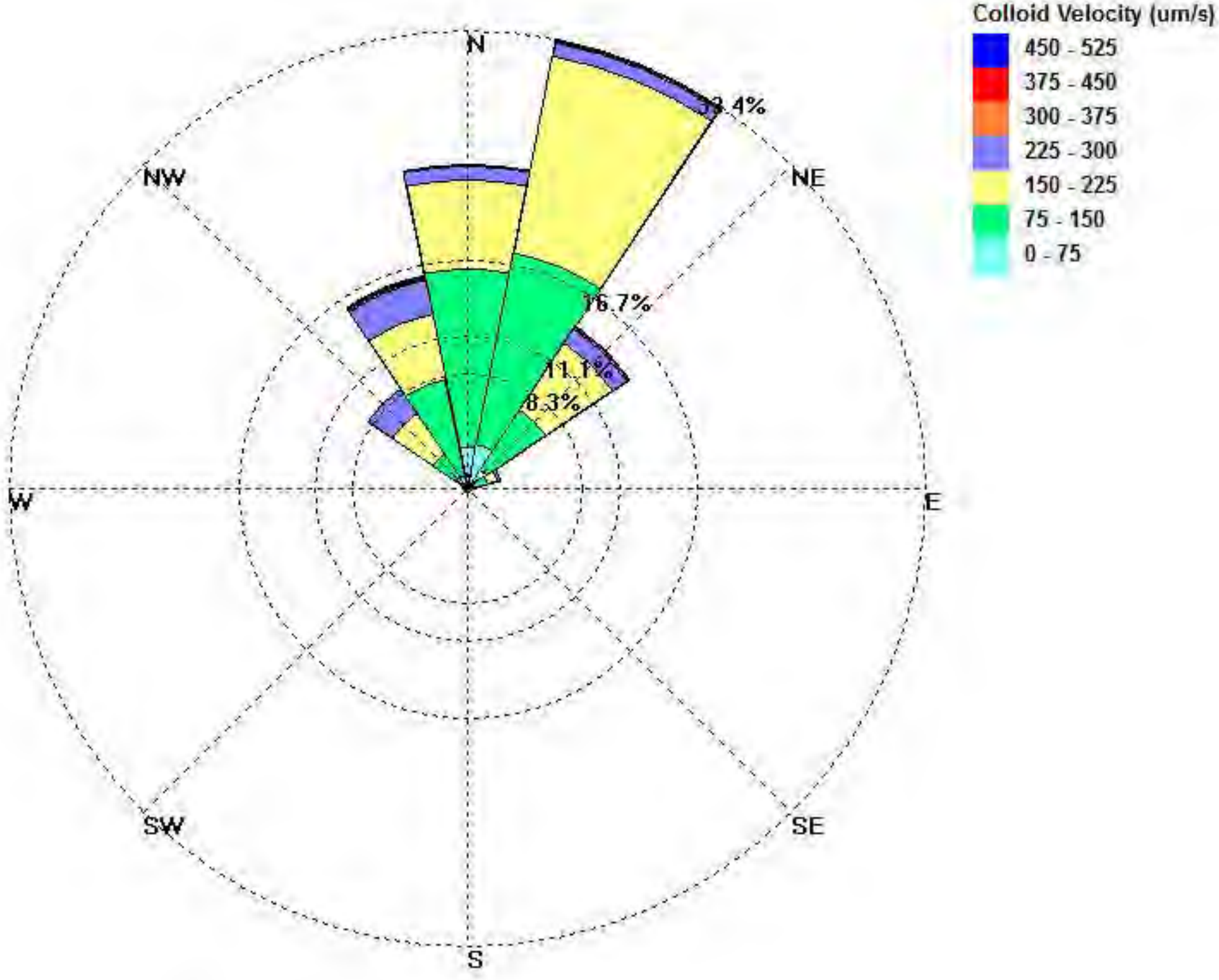
Actual Velocity

um/sec:	130.53
ft/day:	37.08
ft/day / 2:	18.54
ft/day / 3:	12.36
ft/day / 4:	9.27

4917B-362.5
Date: Oct 19, 2011 - Depth 362.5



Avg. Dir: 8.84 - Avg.Vel: 130.53
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\4917B-362.5 cont.aqv



4917B-382.5' - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-362.5
Depth: 362.5
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 14:56:37 - 14:58:02
Data Points: 70

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	138.20	94.49	6.21	358.50	110.02

	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	127.28	139.12	32.88	373.97	64.15
ft/day:	36.16	39.52	9.34	106.24	18.22
ft/day / 2:	18.08	19.76	4.67	53.12	9.11
ft/day / 3:	12.05	13.17	3.11	35.41	6.07
ft/day / 4:	9.04	9.88	2.34	26.56	4.56

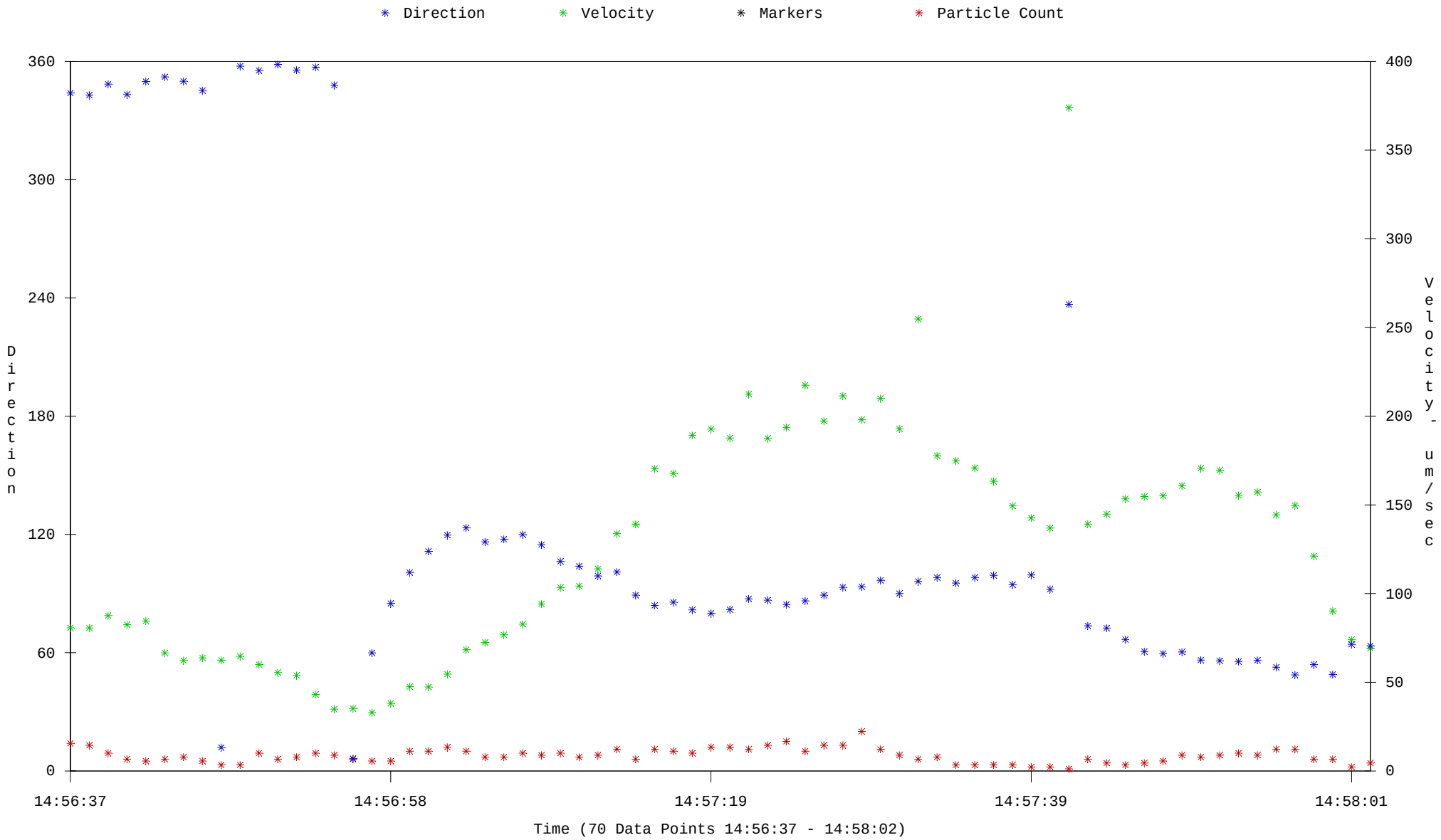
Velocity Vector:

Azimuth: 67.46

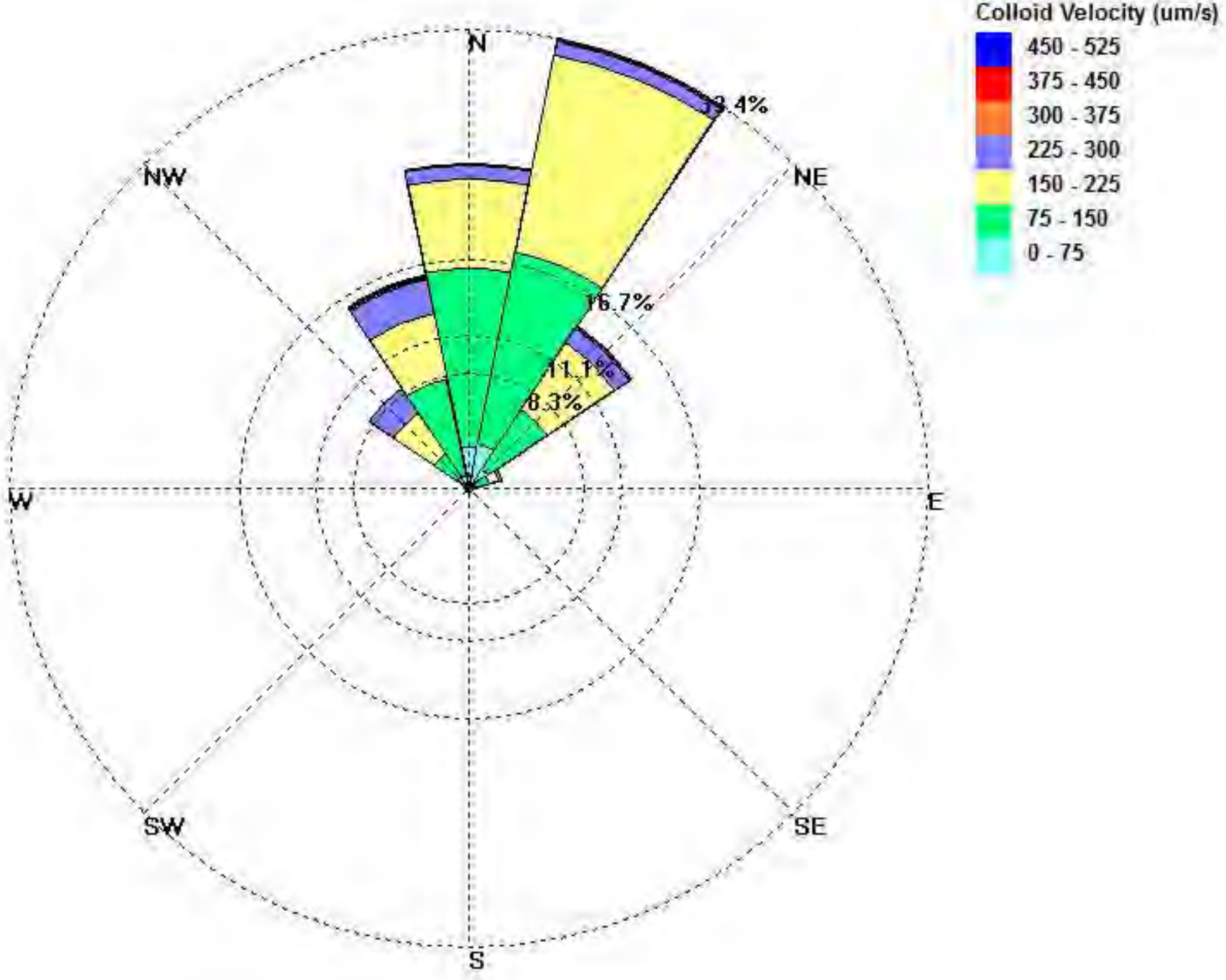
Actual Velocity

um/sec:	97.46
ft/day:	27.69
ft/day / 2:	13.84
ft/day / 3:	9.23
ft/day / 4:	6.92

4917B-362.5
Date: Oct 19, 2011 - Depth 362.5



Avg. Dir: 67.46 - Avg.Vel: 97.46
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\10-19\4917B-362.5 cont.aqv



4917B-382.5 Cont' - Groundwater Flow Direction vs. Velocity

Well Analysis Summary

Well Name: 4917B-365
Depth: 365
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 14:59:56 - 15:13:17
Data Points: 1046

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	144.46	144.81	0.18	359.92	89.48

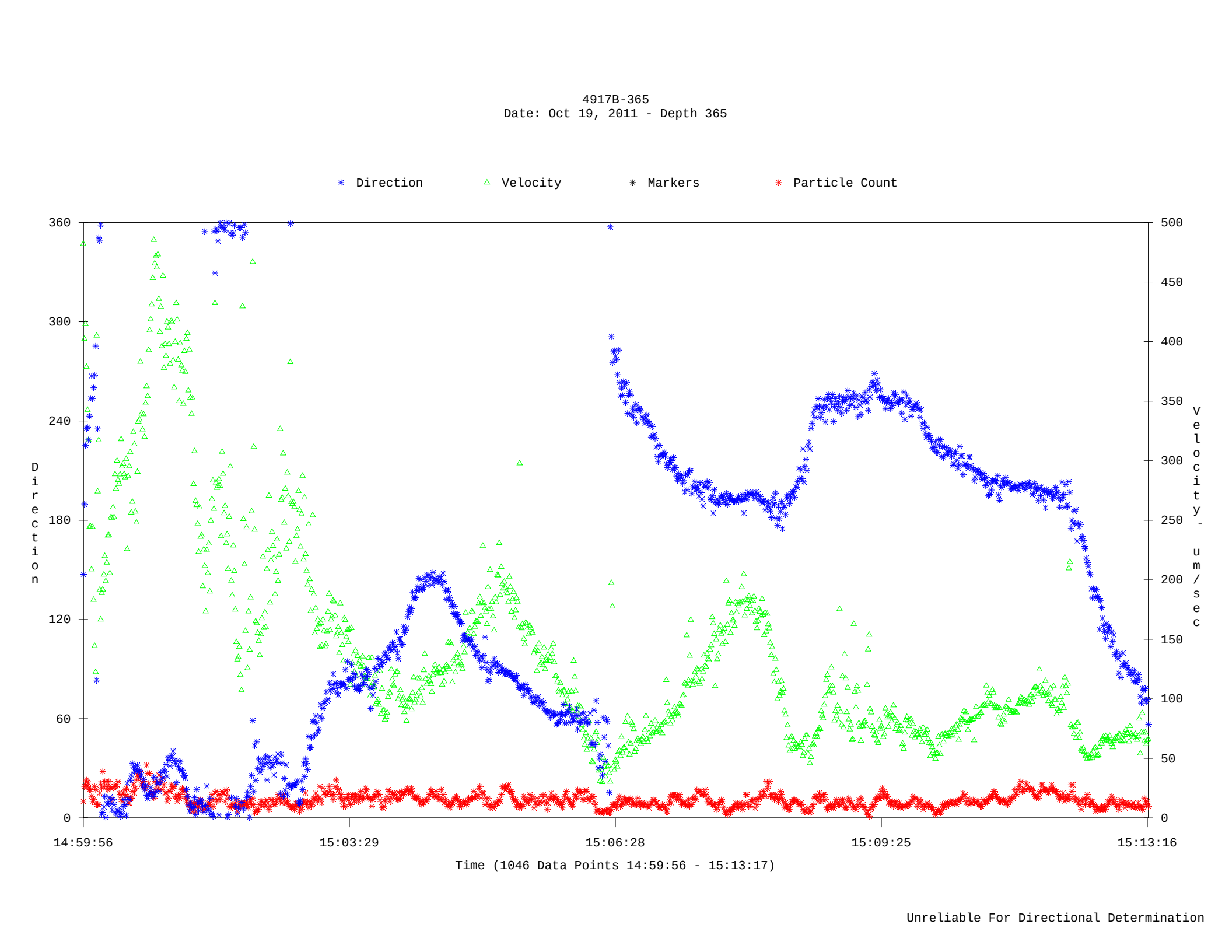
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	143.70	113.84	30.01	485.40	89.89
ft/day:	40.82	32.34	8.53	137.90	25.54
ft/day / 2:	20.41	16.17	4.26	68.95	12.77
ft/day / 3:	13.61	10.78	2.84	45.97	8.51
ft/day / 4:	10.21	8.08	2.13	34.47	6.38

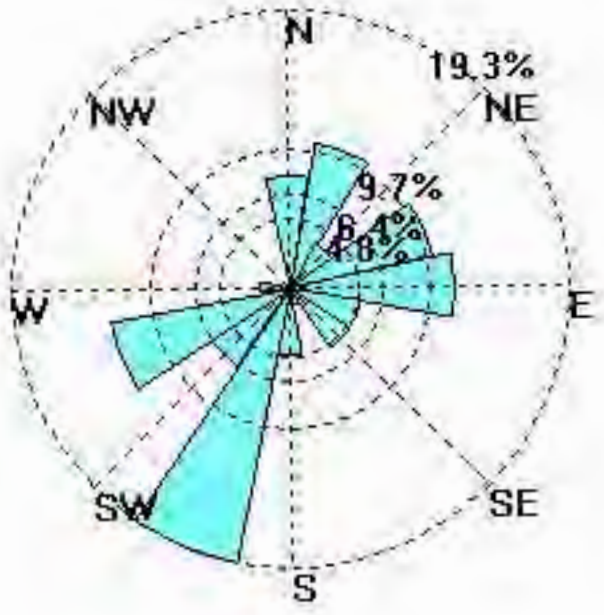
Velocity Vector:

Azimuth: *** NOTE: Unreliable for directional determination

Actual Velocity

*** NOTE: Unreliable for directional determination


4917B-365
Date: Oct 19, 2011 - Depth 365
Direction
Velocity
Markers
Particle Count
360
300
240
180
120
60
0
Direction
500
450
400
350
300
250
200
150
100
50
0
Velocity - um/sec
14:59:56
15:03:29
15:06:28
15:09:25
15:13:16
Time (1046 Data Points 14:59:56 - 15:13:17)
Unreliable For Directional Determination



Colloid Velocity (um/s)

- 4200 - 4980
- 3500 - 4200
- 2800 - 3500
- 2100 - 2800
- 1400 - 2100
- 700 - 1400
- 0 - 700

Well Analysis Summary

Well Name: 4917B-370
Depth: 370
Mag. Dec.: +13.00
Date: Oct 19, 2011
Time: 16:38:08 - 16:41:18
Data Points: 541

	Avg Dir	Med Dir	Min Dir	Max Dir	Std Dev
	146.27	69.04	0.32	359.64	111.40

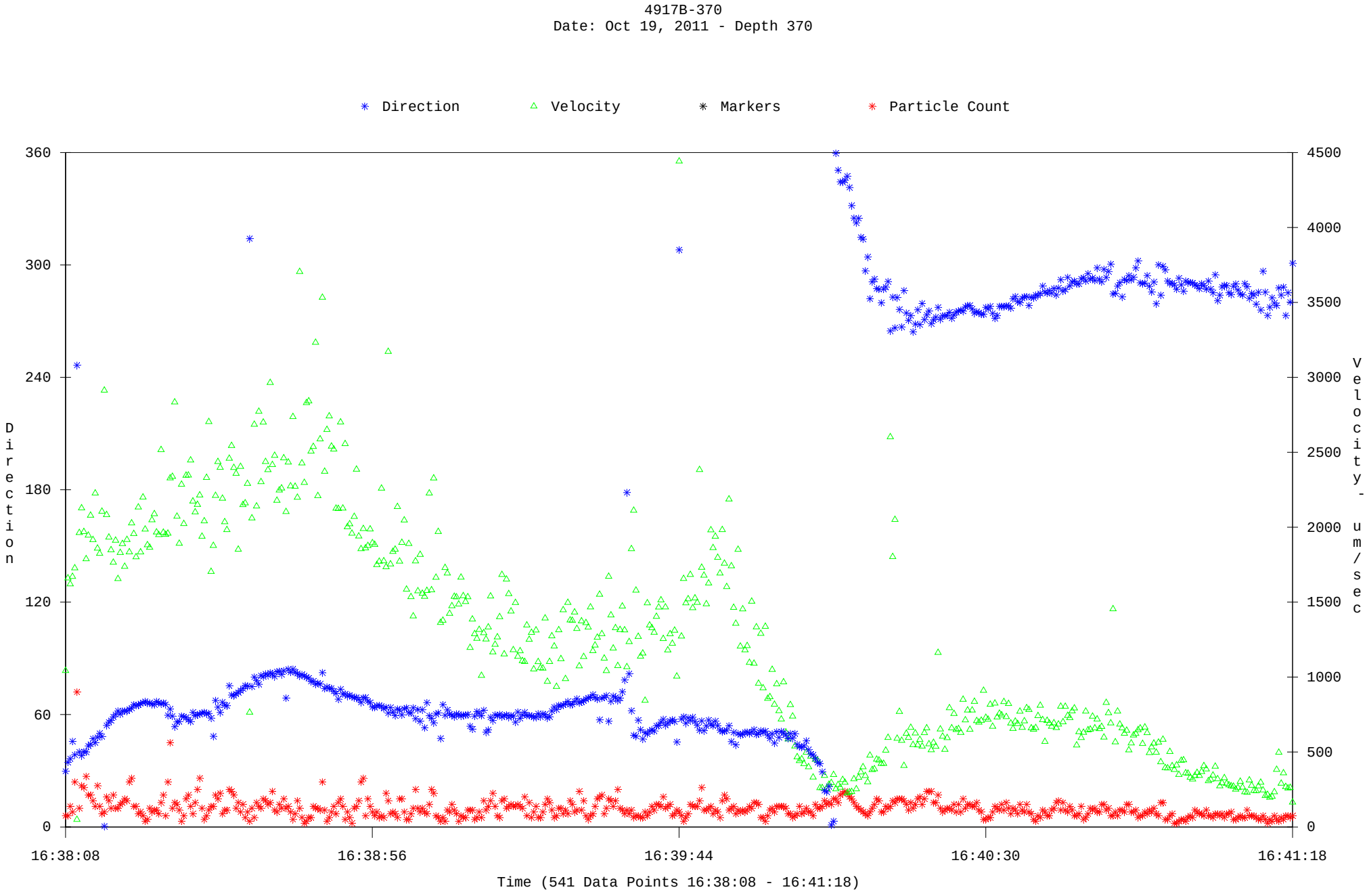
	Avg Vel	Med Vel	Min Vel	Max Vel	Std Dev
um/sec:	1258.74	1217.21	49.65	4442.02	751.36
ft/day:	357.60	345.80	14.11	1261.94	213.45
ft/day / 2:	178.80	172.90	7.05	630.97	106.73
ft/day / 3:	119.20	115.27	4.70	420.65	71.15
ft/day / 4:	89.40	86.45	3.53	315.48	53.36

Velocity Vector:

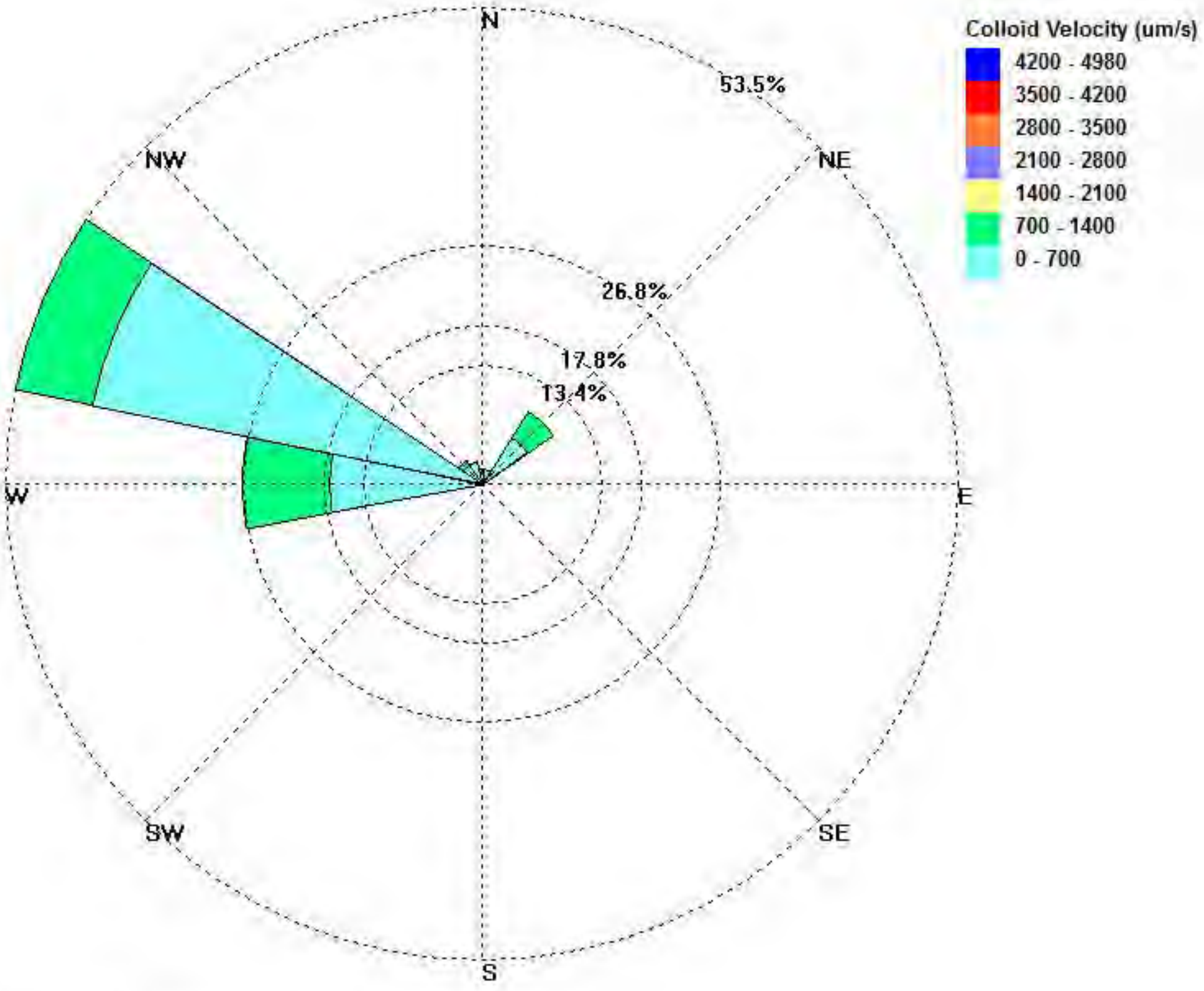
Azimuth: 22.87

Actual Velocity

um/sec:	872.01
ft/day:	247.73
ft/day / 2:	123.86
ft/day / 3:	82.58
ft/day / 4:	61.93



Avg. Dir: 22.87 - Avg.Vel: 872.01
C:\Users\dsmith\Desktop\Aquavision\Borescope Files\lindmark-10-11\4917B\10-19\4917B-370.aqv



49178-370' - Groundwater Flow Direction vs. Velocity

APPENDIX E

EDR Documents

APPENDIX F

Agency Research Documents

ACCURATE ENGINEERING

8710 Telfair Avenue

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980 892 509 | Manifest Document No.: | 2. Page 1 of | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ACCURATE ENGINEERING CORP.
8710 TELFAIR AVENUE, SUN VALLEY, CA 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 84239676
B. State Generator's ID:

5. Transporter 1 Company Name: CAL PACIFIC
6. US EPA ID Number: CAD 000 629 618
C. State Transporter's ID: 63688
D. Transporter's Phone: 213/585-5063

7. Transporter 2 Company Name: OIL RROCESS COMPANY
8. US EPA ID Number: CAD 050 806 850
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
CASMALIA RESOURCES
NTU ROAD
CASMALIA, CA 91308
10. US EPA ID Number: CAD 020 748 125
G. State Facility's ID: CAD 020 748 125
H. Facility's Phone: 805/937-8449

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE CORROSIVE SOLID-CORROSIVE UN1759	1	DM	320	P	111
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Tin/lead Plating Solution
with Fluoboric Acid

See Attached Lab Report & E.H. Permit #3-8532

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name: BOB BAKER | Signature: PER Bob Baker | Date (Month Day Year): 2 10 86

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: BILL VALOFF | Signature: Bill Valoff | Date (Month Day Year): 2 10 86

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name: | Signature: | Date (Month Day Year):

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: | Signature: | Date (Month Day Year):

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

DHS 8022 A (7/84)
(EPA 8700-22)

84 89541

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 98 08 92 50 9
Manifest Document No.:
2. Page 1 of :
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Accurate Engineering Corporation
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 84375784

B. State Generator's ID:

5. Transporter 1 Company Name: Caring Chemical Co.
6. US EPA ID Number:
C. State Transporter's ID: 34719
D. Transporter's Phone:

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address:
10. US EPA ID Number:
G. State Facility's ID:
H. Facility's Phone:

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Trichloroethane 1,1,1, Hazard Class T, UN 2831	[illegible]	DM	55	G	211
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above:

K. Handling Codes for Wastes Listed Above:

15. Special Handling Instructions and Additional Information:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
Robert H. Baker	[signature]	8	13	85

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Jose Benitez	[signature]	8	13	85

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

FACILITY

19. Discrepancy Indication Space:

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date Month	Day	Year

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

DHS 8022 A (7/84)
(EPA 8700-22)

84 89541

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A D 9 8 0 8 9 2 5 0 9 — Manifest Document No.

2. Page 1 of — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Accurate Engineering Corporation
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 84375785

B. State Generator's ID

5. Transporter 1 Company Name: Caring Chemical Co.

6. US EPA ID Number: CAX 000094227

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Caring Chemical Co.
1718 N. Naud
Los Angeles, Ca. 90012

10. US EPA ID Number: CAX 000094227

G. State Facility's ID

H. Facility's Phone

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Trichloroethane 1,1,1,Hazard Class T,UN2831	2	DM	110	G	211
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
ROBERT BAKER		9 16 85

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

DHS 8022 A (7/84)
(EPA 8700-22)

84 89641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C.A.D.9.8.0.8 9 2509 | Manifest Document No.

2. Page 1 of | Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
Accurate Engineering Corporation
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 84631702
B. State Generator's ID:

5. Transporter 1 Company Name: Caring Chemical Co.
6. US EPA ID Number: CAX.000094227
C. State Transporter's ID:
D. Transporter's Phone:

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Caring Chemical Co.
1718 N. Naud
Los Angeles, Ca. 90012
10. US EPA ID Number: CAX 000094227
G. State Facility's ID:
H. Facility's Phone:

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Trichloroethane 1,1,1,Hazard Class T, UN2831	1	DM	55	G	211
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name: Robert H. Baker | Signature: R H Baker | Date (Month Day Year): 10 3 85

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jose Benitez | Signature: J Benitez | Date (Month Day Year): 10 3 85

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: | Signature: | Date (Month Day Year):

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: | Signature: | Date (Month Day Year):

84631702

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

DHS 8022 A (11/84)
(EPA 8700-22)

84 89641

...State of California—Health and Welfare Agency

...stances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD. 980892509 | Manifest Document No. | 2. Page 1 of | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Accurate Engineering Corp.
8710 ~~XXXXXXXXXX~~ Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 84631703
B. State Generator's ID:

5. Transporter 1 Company Name: Caring Chemical Co.
6. US EPA ID Number: CAX. 000094227
C. State Transporter's ID:
D. Transporter's Phone:

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Caring Chemical Co.
1718 N. Naud
Los Angeles, Ca. 90012
10. US EPA ID Number: CAX 000094227
G. State Facility's ID:
H. Facility's Phone:

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Trichloroethane 1,1,1,Hazard Class T, UN2831	2	DM	110	G	211
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
Robert H. Baker	R H Baker	10 29 85

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Jose Benitez	J Benitez	10 29 85

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)

84631703

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

DHS 8022 A (11/84)
(EPA 8700-22)

84 89641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 980892509 | Manifest Document No.

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 84631704

B. State Generator's ID:

5. Transporter 1 Company Name: Caring ~~Chemical~~ Chemical Co.

6. US EPA ID Number: CAX 000094227

C. State Transporter's ID: 34719

D. Transporter's Phone:

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
Caring Chemical Co.
1718 Naud St.
Los Angeles, Ca. 90012

10. US EPA ID Number: CAX 000094227

G. State Facility's ID:

H. Facility's Phone:

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Trichloroethane 1,1,1 Hazard Class T,UN2831	1	DM	55	G	211
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

GENERATOR

Printed/Typed Name	Signature	Date (Month Day Year)
Robert H. Baker		1 14 86

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Jose Benitez		1 14 86

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)

84631704

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

DHS 8022 A (11/84)
(EPA 8700-22)

84 89641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 980892509 | Manifest Document No.

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 84631705

B. State Generator's ID:

5. Transporter 1 Company Name: Caring Chemical Co.

6. US EPA ID Number: CAX 000094227

C. State Transporter's ID: 34719

D. Transporter's Phone: (213) 223-2411

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90670

10. US EPA ID Number: CAD 008488025

G. State Facility's ID: CAD 008488025

H. Facility's Phone: 213-698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Ammonium Hydroxide Waste Corrosive N.O.S. UN 2672	4	DF	220	G	121
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
Robert H. Baker	R. Baker	05 08 86

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Jose Benitez	J Benitez	5 8 86

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)

GENERATOR

TRANSPORTER

FACILITY

84631705

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

DHS 8022 A (11/84)
(EPA 8700 22)

84 89641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509 — Manifest Document No.:

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 84631706

B. State Generator's ID:

5. Transporter 1 Company Name: Caring Chemical Co.

6. US EPA ID Number: CAX 000094227

C. State Transporter's ID: 34719

D. Transporter's Phone: (213) 223-2411

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address:
So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90670

10. US EPA ID Number: CAD008488025

G. State Facility's ID: CAD 008488025

H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Ammonium Hydroxide Waste Corrosive N.O.S. UN 2672	5	DF	275	G	121
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above:
Ammonium Hydroxide Solution
Containing Copper

K. Handling Codes for Wastes Listed Above: 01

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name: Robert H. Baker — Signature: [signature] — Date: Month 06 Day 09 Year 86

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jose Benitez — Signature: [signature] — Date: Month 6 Day 9 Year 86

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
So California Chemical Co. Inc.

Printed/Typed Name: Guadalupe Bucio N. — Signature: [signature] — Date: Month 6 Day 1 Year 86

GENERATOR — TRANSPORTER — FACILITY

84631706

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento CA 95812

DHS 8022 A (11/84)
(EPA 8700-22)

84 89641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 980892509 | Manifest Document No. | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

5. Transporter 1 Company Name: Cal Pacific | 6. US EPA ID Number: CAD 000629618

7. Transporter 2 Company Name: Oil Process 152 | 8. US EPA ID Number: CAD 050806850

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Rd.
Casmalia, Ca. 93108

10. US EPA ID Number: CAD 020748125

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. Waste Corrosive Solid UN 1759	4	DM	200	G	121
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Chromic - Sulfuric Acid Solidified with inert material

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
Chromic

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
Robert H. Baker	Robert H. Baker	06 09 86

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
FRED W. BOLGER SR.	Fred W Bolger Sr	6 9 86

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. #74896 14,780 lbs

Printed/Typed Name	Signature	Date (Month Day Year)
Casmalia Resources Marc Crosby	Marc Crosby	06 13 86

84631707

DHS 8022 A (11/84)
(EPA 8700-22)

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento CA 95812

84 89641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 980892509 | Manifest Document No.

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 84631708

B. State Generator's ID:

5. Transporter 1 Company Name: Caring Chemical Co.

6. US EPA ID Number: CAX 000094227

C. State Transporter's ID: 34719

D. Transporter's Phone: (213) 223-2411

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90670

10. US EPA ID Number: CAD 008488025

G. State Facility's ID: CAD 008488025

H. Facility's Phone: (213) 698-8036

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Ammonium Hydroxide Waste Corrosive N.O.S. UN 2672	8	DF	440	G	121
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Ammonium Hydroxide Solution
Containing Copper

K. Handling Codes for Wastes Listed Above: 01

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
Robert H. Baker	Robert Baker	06 19 86

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Jose Benitez	J. Benitez	6 19 86

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
See Attached Letter	See Attached	6 24 86

84631708

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento CA 95812

DHS 8022 A (11 84)
(EPA 8700-22)

84 89641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 980892509 | Manifest Document No.

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 84631709

B. State Generator's ID:

5. Transporter 1 Company Name: Caring Chemical Co.

6. US EPA ID Number: CAX 000094227

C. State Transporter's ID: 34719

D. Transporter's Phone: (213) 223-2411

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90670

10. US EPA ID Number: CAD 008488025

G. State Facility's ID: CAD 008488025

H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Ammonium Hydroxide Waste Corrosive N.O.S. UN 2672	6	DF	330	G	121
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

GENERATOR

Printed/Typed Name	Signature	Date (Month Day Year)
Robert H. Baker	T.M. Carey for R. Baker	07 25 86

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Jose Benitez	J. Benitez	7 29 86

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)

84631709

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

DHS 8022 A (11/84)
(EPA 8700-22)

84 89641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD. 980892509 . . . | Manifest Document No. . . . . | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 84631710

B. State Generator's ID:

5. Transporter 1 Company Name: Caring Chemical Co.

6. US EPA ID Number: CAX 000094227 . . .

C. State Transporter's ID: 34719

D. Transporter's Phone: (213) 223-2411

7. Transporter 2 Company Name:

8. US EPA ID Number: . . . . . .

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90670

10. US EPA ID Number: CAD 008488025 . . .

G. State Facility's ID: CAD 008488025

H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt Vol	I. Waste No.
a. * Ammonium Hydroxide Spent Etchant UN 1719	4	DF	220	G	121
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above: [redacted]

K. Handling Codes for Wastes Listed Above: 99

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
Thomas M. Garcy	Thomas M Garcy	08 18 86

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Jose Benitez	J Benitez	8 19 86

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
		. . .

FACILITY

19. Discrepancy Indication Space
* Customer should use description of: alkaline corrosive liquid, N.O.S., Corrosive material, NA 1719—containing ammonia Hydroxide as cupric Ammonia Hydroxide.

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
See Aurelio Gorman	A Guzman	8 20 86

84631710

White: TSDF SENDS THIS COPY ■ DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento CA 95812

DHS 8022 A (11/84)
(EPA 8700-22)

84 89641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD .980892509. . . . | Manifest Document No. . . . .

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 84631711

B. State Generator's ID:

5. Transporter 1 Company Name: Caring Chemical Co.

6. US EPA ID Number: CAX .000094227. . .

C. State Transporter's ID: 34719

D. Transporter's Phone: (213) 223-2411

7. Transporter 2 Company Name:

8. US EPA ID Number: . . . . . .

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
So. Calif. Chemical
8851 Dice Road
Santa Fe Springs, Ca. 90670

10. US EPA ID Number: CAD 008488025. . . .

G. State Facility's ID: CAD 008488025

H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Alakline Corrosive liquid, N,O.S.,Corrosive material, NA 1719-Containing Ammonia Hydroxide as Cupric Ammonia Hydroxide	5	DF	275	G	121
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above: 99

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name: Thomas M. Garcy | Signature | Date: Month 09 Day 16 Year 86

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jose Benitez | Signature | Date: Month 9 Day 16 Year 86

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month . Day . Year .

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Southern California Chemical Co., Inc.

Printed/Typed Name: Carmelo Cruz | Signature: Carmelo | Date: Month 9 Day 17 Year 86

GENERATOR

TRANSPORTER

FACILITY

84631711

DHS 8022 A (11/84)
(EPA 8700 22)

White TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento CA 95812

84 89641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 980892509 | Manifest Document No.

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 84631712

B. State Generator's ID:

5. Transporter 1 Company Name: Caring Chemical Co.

6. US EPA ID Number: CAX 000094227

C. State Transporter's ID: 34719

D. Transporter's Phone: (213) 223-2411

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
So. Calif. Chemical
8851 Dice Road
Santa Fe Springs, Ca. 90670

10. US EPA ID Number: CAD 008488025

G. State Facility's ID: CAD 008488025

H. Facility's Phone: (213) 698-8036

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Alakline corrosive liquid, N.O.S., Corrosive material, NA 1719-Containing Ammonia Hydroxide as Cupric Ammonia Hydroxide	2	DF	110	G	121
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
Thomas M. Garcy	Thomas M Garcy	09 29 86

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Jose Benitez		

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)

84631712

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

DHS 8022 A (11/84)
(EPA 8700-22)

84 89641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD. 980892509 . . . | Manifest Document No. . . . . | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number 84631713

B. State Generator's ID

5. Transporter 1 Company Name: Caring Chemical Co.

6. US EPA ID Number: CAX. 000094227 . . .

C. State Transporter's ID 34719

D. Transporter's Phone (213)223-2411

7. Transporter 2 Company Name

8. US EPA ID Number . . . . . .

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
So. Calif. Chemical
8851 Dice Road 90670
Santa Fe Springs, Ca. ~~90670~~

10. US EPA ID Number: CAD. 008488025 . . .

G. State Facility's ID CAD 008488025

H. Facility's Phone (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Acid copper plating solution, Corrosive liquid N.O.S. UN 1760	7	DF	385	G	111
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
Thomas M. Garcy	Thomas M Garcy	09 29 86

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Jose Benitez	JB	. . .

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
		. . .

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
		. . .

GENERATOR

TRANSPORTER

FACILITY

84631713

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

DHS 8022 A (11/84)

84 89641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD.980892509. . . . | Manifest Document No. . . . . | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number 84631714
B. State Generator's ID

5. Transporter 1 Company Name: Caring Chemical Co.
6. US EPA ID Number: CAX.000094227. . .
C. State Transporter's ID 34719
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
Caring Chemical Co.
1718 Naud St.
Los Angeles, Ca. 90012
10. US EPA ID Number: CAX.000094227. . .
G. State Facility's ID
H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Corrosive N.O.S. UN 2672	1	DF	45	G	121
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Alkaline Solution, PH 85 Containing Copper

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
Robert Thomas M. Garcy	Thomas M Garcy	09 29 86

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Jose Benitez		

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)

84631714

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

DHS 8022 A (11/84)
(EPA 8700-22)

84 89641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 980892509 — Manifest Document No. 11011
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 84631715
B. State Generator's ID: Cad 980892509
C. State Transporter's ID: ~~09063~~ 701488
D. Transporter's Phone: (213) 585-5063
E. State Transporter's ID: 701488
F. Transporter's Phone:
G. State Facility's ID: CAd 020748125
H. Facility's Phone: (805) 9378453

5. Transporter 1 Company Name: Cal Pacific
6. US EPA ID Number: CAD 000629618

7. Transporter 2 Company Name: Oil Process
8. US EPA ID Number: CAD 050806850

9. Designated Facility Name and Site Address: Casmalia Resources
NTU Rd
Casmalia, Ca. 93108
10. US EPA ID Number: CAD 020748125

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Corrosive Solid UN 1759	9	DF	4500	P	111
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above: Chromic- Sulfuric Acid Solidified with inert material

K. Handling Codes for Wastes Listed Above: 03

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name: Thomas M. Garcy — Signature: T M Garcy — Date: Month 10 Day 8 Year 86

17. Transporter 1 Acknowledgement of Receipt of Materials — 37769

Printed/Typed Name: Roberto R. Andrade — Signature: Roberto R Andrade — Date: Month 10 Day 8 Year 86

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. #80853

Printed/Typed Name: Casmalia Resources — Signature: Alice Griest Alice Griest — Date: Month 10 Day 2 Year 86

GENERATOR — TRANSPORTER — FACILITY

84631715

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento CA 95812

DHS 8022 A (11/84)
(EPA 8700-22)

84 89641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 980892509 | Manifest Document No. | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 84631716
B. State Generator's ID:

5. Transporter 1 Company Name: Caring Chemical Co.
6. US EPA ID Number: CAD 000094227
C. State Transporter's ID: 34719
D. Transporter's Phone: (213) 223-2411

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
So. Calif. Chemical
8851 Dice Road
Santa Fe Springs, Ca. 90670
10. US EPA ID Number: CAD 008488025
G. State Facility's ID: CAD 008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Alakline Corrosive liquid, N.O.S., Corrosive material, NA 1719-Containing Ammonia Hydroxide as Cupric Ammonia Hydroxide.	4	DF	220	G	121
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
Thomas M. Garcy	Thomas M Garcy	10 23 86

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Jose Benitez	J Benitez	10 23 86

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)

84631716

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

DHS 8022 A (11/84)
(EPA 8700-22)

84 89641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 980892509 | Manifest Document No.

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 84631719

B. State Generator's ID:

5. Transporter 1 Company Name: Caring Chemical Co.

6. US EPA ID Number: CAX 000094227

C. State Transporter's ID: 34719

D. Transporter's Phone: (213) 223-2411

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90670

10. US EPA ID Number: CAD008488025

G. State Facility's ID: CAD 008488025

H. Facility's Phone: 213-698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Ammonium Hydroxide Waste Corrosive N.O.S. UN 2672	3	DF	165	G	121
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Ammonium Hydroxide Solution
Containing Copper

K. Handling Codes for Wastes Listed Above
01

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed Typed Name: Robert H. Baker | Signature: Rob Baker | Date: Month 04 Day 17 Year 86

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Typed Name: Jose Benitez | Signature: [illegible] | Date: Month 11 Day 17 Year 86

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Typed Name: | Signature: | Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19: Southern Calif. Chem Co.

Printed Typed Name: Milton George Hs | Signature: [illegible] | Date: Month 4 Day 22 Year 86

GENERATOR

TRANSPORTER

FACILITY

84631719

White: TSCA SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento CA 95812

DHS 8022 A (EPA 8700-22)

84 89641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 980892509 | Manifest Document No. | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 84631720
B. State Generator's ID:

5. Transporter 1 Company Name: Caring Chemical Co.
6. US EPA ID Number: CAX000094227
C. State Transporter's ID: 34719
D. Transporter's Phone: (213) 223-2411

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. ~~XXX~~90670
10. US EPA ID Number: CAD008488025
G. State Facility's ID: CAD 008488025
H. Facility's Phone: 213-698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Ammonium Hydroxide Waste Corrosive N.O.S. UN 2672	4	DF	220	G	121
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Ammonium Hydroxide Solution Containing Copper

K. Handling Codes for Wastes Listed Above
01

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name: Robert H. Baker | Signature: R H Baker | Date: Month 3 Day 24 Year 86

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Jose Benitez | Signature: J Benitez | Date: Month 3 Day 25 Year 86

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: | Signature: [illegible] | Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
So. California Chemical Co. Inc.
Printed/Typed Name: Héctor López | Signature: Héctor López | Date: Month 04 Day 09 Year 86

84631720

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento CA 95812

DHS 8022 A (11/84)
(EPA 8700-22)

84 89641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 980892509 | Manifest Document No.

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 84631721

B. State Generator's ID:

5. Transporter 1 Company Name: Caring Chemical Co.

6. US EPA ID Number: CAX000094227

C. State Transporter's ID: 34719

D. Transporter's Phone: (213) 223-2411

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90670

10. US EPA ID Number: CAD008488025

G. State Facility's ID:

H. Facility's Phone:

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Ammonium Hydroxide Waste Corrosive N.O.S. UN 2672	3	DF	165	G	121
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Ammonium Hydroxide Solution Containing Copper

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
Robert H. Baker		7 20 86

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials		
Printed/Typed Name	Signature	Date (Month Day Year)

18. Transporter 2 Acknowledgement of Receipt of Materials		
Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

DHS 8022 A (11/84)
(EPA 8700-22)

84 89641

84631721

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 980892509 | Manifest Document No.

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 84631722

B. State Generator's ID:

5. Transporter 1 Company Name: Cal Pacific

6. US EPA ID Number: CAD 000629618

C. State Transporter's ID: 99663

D. Transporter's Phone: (213) 585-5063

7. Transporter 2 Company Name: Oil Process

8. US EPA ID Number: CAD 050806850

E. State Transporter's ID: [illegible]

F. Transporter's Phone: 213-585-5063

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Rd
Casmalia, Ca. 93108

10. US EPA ID Number: CAD 020748125

G. State Facility's ID: CAD 020748125

H. Facility's Phone: 805-937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Corrosive Solid UN 1759	10	CF	550	G	111
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Chromic - Sulfuric Acid Solidified with inert material

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
Robert H. Baker	[signature]	1 20 86

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Fred W Baker	[signature]	1 20 86

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)

GENERATOR

84631722

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

DHS 8022 A (11/84)
(EPA 8700-22)

84 89641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

M

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD. 980892509 | Manifest Document No.: | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 84631723

B. State Generator's ID: 63688

5. Transporter 1 Company Name: Cal-Pacific | 6. US EPA ID Number: CAD. 000629618

C. State Transporter's ID: 99563

D. Transporter's Phone: 213-585-5063

7. Transporter 2 Company Name: Oil Process 152 | 8. US EPA ID Number: CAD. 050806850

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: Casmalia Resources
NTU Rd.
Casmalia, Ca. 91308

10. US EPA ID Number: CAD. 020748125

G. State Facility's ID: CAD 020748125

H. Facility's Phone: 805-937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Corrosive Solid-Corrosive UN1759	8	DF	320	P	111
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above: Tin/Lead Plating Solution with Fluoboric Acid
See Attached Lab Report #. & E.H. Permit #3-8532

K. Handling Codes for Wastes Listed Above: 03

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name: Robert H. Baker | Signature: [signature] | Date: Month 1 Day 30 Year 86

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Roberto R. Andrade | Signature: [signature] | Date: Month 1 Day 30 Year 86

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: | Signature: | Date: Month Day Year

19. Discrepancy Indication Space: Refused 1/55 for Liquid Casmalia Resources 2-6-86

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. ~~[illegible]~~ #69282-15,940 lbs.

Printed/Typed Name: Casmalia Resources | Signature: Alice Griest Alice Griest | Date: Month 02 Day 06 Year 86

84631723

DHS 8022 A (11/84)
(EPA 8700-22)

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento CA 95812

84 89641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 980892509 | Manifest Document No. | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 84631724

B. State Generator's ID:

5. Transporter 1 Company Name: Caring Chemical Co.

6. US EPA ID Number: CAX000094227

C. State Transporter's ID: 34719

D. Transporter's Phone:

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
Caring Chemical Co.
1718 Naud St.
Los Angeles, Ca. 90012

10. US EPA ID Number: CAX000094227

G. State Facility's ID:

H. Facility's Phone:

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Corrosive N.O.S. UN 2672	9	DF	450	G	121
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Alkaline Solution, PH 85, Containing Copper

K. Handling Codes for Wastes Listed Above
99

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name: Robert H. Baker | Signature | Date: Month 1 Day 14 Year 86

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: ALLAN DALATI | Signature | Date: Month 1 Day 14 Year 86

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space
Received by Alternate Facility: Southern California Chemical Co., Inc.
8851 Dice Road, Santa Fe Springs, CA 90670-0118
213/698-8036; CAD008488025

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. So. Cal. Chem.

Printed/Typed Name: Guadalupe Bucio M. | Signature: Guadalupe Bucio | Date: Month 1 Day 28 Year 86

84631724

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento CA 95812

DHS 8022 A (11/84)
(EPA 8700-22)

84631724

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD. 980892509 | Manifest Document No.

2. Page 1 of | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Accurate Engineering Corporation
8710 Telfair Ave., Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 84631725
B. State Generator's ID:

5. Transporter 1 Company Name: Cal Pacific
6. US EPA ID Number: CAD.)))000629618
C. State Transporter's ID: 97663
D. Transporter's Phone: 686-5063

7. Transporter 2 Company Name: Oil Process
8. US EPA ID Number: CAD.05080685
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Casmalia Resourses
NTU Rd.
Casmalia, Ca. 93108
10. US EPA ID Number: CAD 020748125
G. State Facility's ID: CAD020748125
H. Facility's Phone:

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Corrosive Solid - Corrosive UN1759	.4.	DF	.200.	G	111
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Chromic acid solidfied with sawdust

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name: Robert H. Baker | Signature: R H Baker | Date (Month Day Year): 12 05 85

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Robert Lattimore | Signature: Robert Lattimore | Date (Month Day Year): 12 05 85

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: | Signature: | Date (Month Day Year):

FACILITY

19. Discrepancy Indication Space: Refused all because of no label on drums.
12/10/85

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. #66645-23,440165

Printed/Typed Name: Casmalia Resources Mark Crosby | Signature: Mark Crosby | Date (Month Day Year): 12/9/85

84631725

DHS 8022 A (11/84)
(EPA 8700-22)

White: TSDF SENDS THIS COPY TO DOHS WITH 30 DAYS
To: P.O. Box 3000, Sacramento CA 95812

84 89641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD980892509 | Manifest Document No.

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
Accurate Engineering
8710 Telfair Ave. Sun Valley, CA 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 84729207
B. State Generator's ID:

5. Transporter 1 Company Name: Caring Chemical Co.
6. US EPA ID Number: CAX000094227
C. State Transporter's ID:
D. Transporter's Phone: 213 223 2411

7. Transporter 2 Company Name: Service Chemical Co.
8. US EPA ID Number: CAX000238774
E. State Transporter's ID: 54387
F. Transporter's Phone: 714 546 5490

9. Designated Facility Name and Site Address
Service Chemical Co.
1341 E. Maywood ST.
Santa Ana, CA 92503
10. US EPA ID Number: CAX000238774
G. State Facility's ID:
H. Facility's Phone: 714 546 5890

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE 1,1,1 UN2831 TRICHLOROETHANE	6	DM	330gl		211
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
trichloroethane in oil,

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
gloves

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Laura Dalati	Laura Dalati	3 5 86

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Oswald Baltierrez	Oswald Baltierrez	3 5 86

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
WATSON JOHN S.		3 5 86

84729207

DHS 8022 A (11/84)
(EPA 8700-22)

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 ~~DAYS~~
To: P.O. Box 3000, Sacramento CA 95812

84 89641

#45

State of California—Health and Welfare Agency
Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C|A|D|9|8|0|8|9|2|5|0|9| Manifest Document No.

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
Accurate Engineering
8710 Tolfair Ave
Sun Valley Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 86082100
B. State Generator's ID:

5. Transporter 1 Company Name: Martin Industrial Pumping Inc.
6. US EPA ID Number: C|A|D|0|0|0|6|2|8|6|3|6|
C. State Transporter's ID: 20854
D. Transporter's Phone: 805-251-3737

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Casmalia Resource Mgt.
NTU Road
Casmalia , Ca.
10. US EPA ID Number: C|A|D|0|2|0|7|4|8|1|2|5|
G. State Facility's ID:
H. Facility's Phone: 805-937-8449

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. Alkaline corrosive Liquid NOS/Corrosive Material/ NA1719 WASTE MATERIAL	01	TT	715	G	121/D002
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. Ammonia 9% water 91% contaminated with copper.

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
DOT 8822

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Robert H. Baker — Signature: Robert H Baker — Month 12 Day 18 Year 86

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: LARRY PEMINEZ — Signature: Larry Peminez — Month 12 Day 18 Year 86

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: — Signature: — Month Day Year

86082100

DHS 8022 A (11/85)
(EPA 8700—22)

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

State of California—Health and Welfare Agency

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD980892509 — Manifest Document No. 42987

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919 8410

A. State Manifest Document Number: 86082665

B. State Generator's ID: [illegible]

5. Transporter 1 Company Name: Martin Ind. Pumping, Inc. 1730

6. US EPA ID Number: CAD000628636

C. State Transporter's ID: 708528

D. Transporter's Phone: (805) 251-3737

7. Transporter 2 Company Name: Far West Env. Service

8. US EPA ID Number: CAD981423460

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: Casmalia Resources
NTu Rd
Casmalia, Ca.

10. US EPA ID Number: CAD020748125

G. State Facility's ID: CAD020748125

H. Facility's Phone: (805) 837-8449

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Hazardous Waste Liquid NOS ORM - E NA 9189	001	TT	1500	G	132 NON/RCRA
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above: POTE7476
SEE LAB ANALYSIS
Attached

K. Handling Codes for Wastes Listed Above: 06/5 Acid/Alk

15. Special Handling Instructions and Additional Information: Gloves Gogoles
Per Darron Stanley
This is not a clarifier waste
Waste is from neutrization tank

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Tom Garcy — Signature: Tom M Garcy — Month Day Year: 04 29 87

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Mike Reina — Signature: Mike Reina — Month Day Year: 04 29 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space: #89863 - 24780 lbs

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Casmalia Resources Gennis Fraley — Signature: Gennis Fraley — Month Day Year: 04 29 87

86082665

DHS 8022 A (11/85)
(EPA 8700—22)

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento CA 95812

State of California—Health and Welfare Agency

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A D 9 8 0 8 9 2 5 0 9 — Manifest Document No.

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 86341299

B. State Generator's ID:

5. Transporter 1 Company Name: Great Western Chemical Co.

6. US EPA ID Number: C A D 9 8 1 6 8 9 1 9 3

C. State Transporter's ID: 704249

D. Transporter's Phone: 818-768-8927

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address:
So. Calif. Chemical
8851 Dice Road
Santa Fe Springs, Ca. 90670

10. US EPA ID Number: C A D 0 0 8 4 8 8 0 2 5

G. State Facility's ID: CAD008048025

H. Facility's Phone: 213-698-8036

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Acid copper plating solution, Corrosive liquid N.O.S. UN1760 Authorization No. 9269 ERS	1	D F	5 5	G	111
b. Pyro Copper plating solution, Un1719 Authorization No. 9317	8	D F	.440	G	123
c. Pyro Copper plating solution UN1719 Waste Corrosive NOS UN2672 ERS 9317	1	D F	5 5	G	121
d.					

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Thomas M. Garcy — Signature: T.M Garcy — Month Day Year: 12 10 87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: John Grissom — Signature: [signature] — Month Day Year: 12 10 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jose L. Rodriguez — Signature: Jose Luis Rodriguez — Month Day Year: 12 12 87

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: MILTON GIORGETTA — Signature: Milton Giorgetta — Month Day Year: 12 14 87

86341299

DHS 8022 A (11/85)
(EPA 8700—22)

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento CA 95812

State of California—Health and Welfare Agency

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509 — Manifest Document No.:

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 86341300

B. State Generator's ID:

5. Transporter 1 Company Name: Great Western Chemical — 6. US EPA ID Number: CAD981689193

C. State Transporter's ID: 704249

D. Transporter's Phone:

7. Transporter 2 Company Name: S, C.C — 8. US EPA ID Number: CAD981689173

E. State Transporter's ID: 708487

F. Transporter's Phone: 698-8036

9. Designated Facility Name and Site Address: So. Calif. Chemical
8851 Dice Road
Santa Fe Springs, Ca. 90607

10. US EPA ID Number: CAD008488025

G. State Facility's ID:

H. Facility's Phone:

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Ferric Chloride Solution Corrosive Material UN 2582 (Spent 42 BE Ferric Chloride	5	DF	75	G	111
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above: (1) Water (2) Ferric Chloride 20-40% (3) Ferrous Chloride 5-15% (4) Copper 3-15% (5) Other Metals .5-2% (6) Non-Toxic Proprietary 1% (7) PH Range .35-1½

K. Handling Codes for Wastes Listed Above:

15. Special Handling Instructions and Additional Information: Ware Gloves and eye protection, keep out of sewers water ways. Corrosive to all common metals, will stain hands brown. Returned to original manufacturer for routine reclaimination.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Thomas M. Garcy — Signature: Thomas M. Garcy — Month Day Year: 03 24 87

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: John Gresch — Signature: [signature] — Month Day Year: 03 24 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: S.C.C Francisco Morones — Signature: Francisco Morones — Month Day Year: 03 31 87

19. Discrepancy Indication Space:

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Debra Chapman — Signature: Debra Chapman — Month Day Year: 04 9 87

86341300

DHS 8022 A (11/85)
(EPA 8700—22)

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento CA 95812

State of California—Health and Welfare Agency

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509 — Manifest Document No.:

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 86341301

B. State Generator's ID:

5. Transporter 1 Company Name: Great Western Chemical Co.

6. US EPA ID Number: CAD981689193

C. State Transporter's ID: 704249

D. Transporter's Phone: 818 768-8527

7. Transporter 2 Company Name: S.C.C

8. US EPA ID Number: CAD981689193

E. State Transporter's ID: 708487

F. Transporter's Phone: 698-8036

9. Designated Facility Name and Site Address:
So. Calif. Chemical
8851 Dice Road
Santa Fe Springs, Ca. 90607

10. US EPA ID Number: CAD008488025

G. State Facility's ID:

H. Facility's Phone:

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Alkaline (Corrosive) liquid N.O.S. Corrosive Liquid, NA 1719 (Contains copper chloride as copper ammonium chloride, (Spent 9110)	4	DF	220	G	132
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above: (1) Water 57-62% (2) Cupic Ammonium Chloride 35-38% (3) Ammonium Chloride 3-5% (4) Balance - Non Toxic propritory material being returned to original mfg., for routine reclaimination.

K. Handling Codes for Wastes Listed Above:

15. Special Handling Instructions and Additional Information: Contains copper at levels that may be toxic to fish, keep out of rivers, waterways. ~~XXXX~~ Wear gloves, will stain hands blue. Corrosive to metals.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Thomas M. Garcy — Signature: Thomas M. Garcy — Month Day Year: 03 24 87

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: John Gibson — Signature: [signature] — Month Day Year: 12 24 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: S.C.C Francisco Moroner — Signature: Francisco Moroner — Month Day Year: 03 31 87

19. Discrepancy Indication Space:

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Debra Chapman — Signature: Debra Chapman — Month Day Year: 04 21 87

86341301

DHS 8022 A (11/85)
(EPA 8700—22)

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento CA 95812

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD980892509 — Manifest Document No.

2. Page 1 of 2 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 87113001

B. State Generator's ID: CAD980892509

5. Transporter 1 Company Name: Great Western Chemical Co. — 6. US EPA ID Number: CAD981681913 — C. State Transporter's ID: 704249 — D. Transporter's Phone: (818) 485-9227

7. Transporter 2 Company Name: S.C.C — 8. US EPA ID Number: CADDD84888025 — E. State Transporter's ID: 708485 — F. Transporter's Phone

9. Designated Facility Name and Site Address
So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607 — 10. US EPA ID Number: CAD008418802 — G. State Facility's ID — H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste R.Q. Alkaline (Corrosive) liquid N.O.S. Corrosive liquid, NA 1719 (Contains copper chloride as copper ammonium) chloride, (Spent 9110)	14	DF	2210	G	State 132 / EPA/Other
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: (1) Water 57-62% (2) Cupic Ammonium Chloride 35-38% (3) Ammonium Chloride 3-5% (4) Balance - Non Toxic propritory material being returned to original mfg., for routine reclaimination.

K. Handling Codes for Wastes Listed Above: a. 06 — b. — c. — d.

15. Special Handling Instructions and Additional Information: Contains copper at levels that may be toxic to fish, keep out of rivers, waterways. Wear gloves, will stain hands blue. Corrosive to metals.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: Thomas M. Garcy — Signature: Thomas M. Garcy — Month Day Year: 10 12 87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials — Printed/Typed Name: [illegible] — Signature — Month Day Year: 10 15 87

18. Transporter 2 Acknowledgement of Receipt of Materials — Printed/Typed Name: S.C.C Francisco Moreno — Signature — Month Day Year: 10 15 87

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19

Printed/Typed Name: SCC / Debra Chapman — Signature: Debra Chapman — Month Day Year: 10 15 87

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA D 9 8 0 8 9 2 5 0 9 — Manifest Document No.

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 87113002

B. State Generator's ID: CAD980892509

5. Transporter 1 Company Name: Great Western Chemical
6. US EPA ID Number: CA D 9 8 1 6 8 9 1 9 3
C. State Transporter's ID: 704249
D. Transporter's Phone: 818 768-5422

7. Transporter 2 Company Name: S, C, C
8. US EPA ID Number: CAD 0 0 8 4 8 8 0 2 5
E. State Transporter's ID: 708485
F. Transporter's Phone:

9. Designated Facility Name and Site Address
So. Calif. Chemical
8851 Dice Road
Santa Fe Springs, Ca. 90607
10. US EPA ID Number: CAD 0 0 8 4 8 8 0 2 5
G. State Facility's ID:
H. Facility's Phone:

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
Waste					
a. Ferric Chloride Solution, Corrosive Material UN 2582, (Spent 42 BE Ferric Chloride)	2	DF	30	G	State 111 / EPA/Other
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: (1) Water (2) Ferric Chloride 20-40% (3) Ferric Chloride 5-15% (4) Copper 3-15% (5) Other Metals .5-2% (6) Non-Toxic Proprietary 1%(7) ph Range .35-1½

K. Handling Codes for Wastes Listed Above
a. 01 b.
c. d.

15. Special Handling Instructions and Additional Information: Wear gloves and eye protection, keep out of sewers & water ways. Corrosive to all common metals, will stain hands brown, Returned to original manufacturer for routine reclaimination.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Month Day Year
Thomas M. Garcy	Thomas M Garcy	05 12 87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
[illegible]	[signature]	05 12 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
S.C.C Francisco Moreno	[signature]	05 15 87

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
SCC / Debra Chapman	Debra Chapman	05 20 87

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD980882500 — Manifest Document No.

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 87113003
B. State Generator's ID:

5. Transporter 1 Company Name: Great Western Chemical Co. — 6. US EPA ID Number: CAD988168193
C. State Transporter's ID: 704249
D. Transporter's Phone: (818) 768-8927

7. Transporter 2 Company Name — 8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address: So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607 — 10. US EPA ID Number: CAD008148802
G. State Facility's ID
H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Alkaline (Corrosive) liquid N.O.S. Corrosive liquid, NA 1719 (Contains copper chloride as copper ammonium) chloride, (Spent 9110 WASTE)	1 4	DF	2 2 0	G	State 132 / EPA/Other
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: (1) Water 57-62% (2) Cupic Ammonium Chloride 35-38% (3) Ammonium - Chloride 3-5% (4) Balance -Non Toxic propritory material being returned to original mfg., for routine reclaimination.

K. Handling Codes for Wastes Listed Above
a. — b.
c. — d.

15. Special Handling Instructions and Additional Information: Contains copper at levels that may be toxic to fish, keep out of rivers, waterways. Wear gloves, will stain hands blue. Corrosive to metals.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Thomas M. Garcy	T M Garcy	0 6	1 5	8 7

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
John Grissom		6	15	87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509 — Manifest Document No.:

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone: (818) 768-3919

A. State Manifest Document Number: 87113004

B. State Generator's ID:

5. Transporter 1 Company Name: Great Western Chemical Co.

6. US EPA ID Number: CAD981689103

C. State Transporter's ID: 704249

D. Transporter's Phone: (818) 768-8927

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address:
So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607

10. US EPA ID Number: CAD008488025

G. State Facility's ID:

H. Facility's Phone:

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Alkaline (Corrosive) liquid N.O.S. Corrosive liquid, NA 1719 (Contains copper chloride as copper ammonium) chloride, (Spent 9110 Waste) (D008)	2	DF	165	G	State 132 / EPA/Other D009
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: (1) Water 57-62% (2) Cupic Ammonium Chloride 35-38% (3) Ammonium Chloride 3-5% (4) Balance - Non Toxic propritory material being returned to original mfg., for routine reclaimination.

K. Handling Codes for Wastes Listed Above: a. b. c. d.

15. Special Handling Instructions and Additional Information: Contains copper at levels that may be toxic to fish, keep out of rivers, waterways. Wear gloves, will stain hands blue. Corrosive to metals.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy — Signature: [signature] — Month Day Year: 07 30 87

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: [illegible] — Signature: [signature] — Month Day Year:

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: — Signature: — Month Day Year:

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509
Manifest Document No.:
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corporation
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 87113005
B. State Generator's ID:

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD981689193
C. State Transporter's ID: 704 249
D. Transporter's Phone: (818) 768-8927

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address:
So. Calif. Chemical
8851 Dice Road
Santa Fe Springs, Ca. 90670
10. US EPA ID Number: CAD008488026
G. State Facility's ID:
H. Facility's Phone:

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Acid copper plating solution, Corrosive liquid N.O.S. UN1760 Authorization No. 9269	2	DF	1110	G	State / EPA/Other 111
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above
a. b.
c. d.

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy
Signature: T M Garcy
Month Day Year: 08 07 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: [illegible]
Signature: [illegible]
Month Day Year: 8 7 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name:
Signature:
Month Day Year:

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509 — Manifest Document No.: 13006

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone: (818) 768-3919

A. State Manifest Document Number: 87113006

B. State Generator's ID: HAA036-006802

5. Transporter 1 Company Name: Great Western Chemical Co.

6. US EPA ID Number: CAD981689193

C. State Transporter's ID: 704249

D. Transporter's Phone: (818) 768-8927

7. Transporter 2 Company Name: Stinson

8. US EPA ID Number: CAD076303754

E. State Transporter's ID: 801143

F. Transporter's Phone: 408/262-8026

9. Designated Facility Name and Site Address:
So. Calif. Chemical
8851 Dice Road
Santa Fe Springs, Ca. 90670

10. US EPA ID Number: CAD008488025

G. State Facility's ID: ISD CAD008488025

H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE Acid copper plating solution, corrosive liquid N.O.S. UN1760 CORROSIVE Material Authorization No. 9269 UN1760	2	DF	110	G	State 792 EPA/Other [redacted]
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above
a. 15
b.
c.
d.

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy — Signature: [signature] — Month Day Year: 10 15 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Anthony Miles — Signature: [signature] — Month Day Year: 10 15 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Marlin Wells Stinson — Signature: Marlin Wells — Month Day Year: 10 19 87

19. Discrepancy Indication Space: MISSING EPA #. I.- Waste State # [redacted] should be 792. J & 15 MISSING additional descrip. & Special Handling Inst.

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: Juan Navarro — Signature: [signature] — Month Day Year: 10 20 87

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509 — Manifest Document No.: 13007

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818 768-3919

A. State Manifest Document Number: 87113007

B. State Generator's ID: HAHQ36-006802

5. Transporter 1 Company Name: Great Western Chemical Co.

6. US EPA ID Number: CAD981689193

C. State Transporter's ID: 704249

D. Transporter's Phone: (818) 768-8927

7. Transporter 2 Company Name: STINSON

8. US EPA ID Number: CAD006303254

E. State Transporter's ID: 801745

F. Transporter's Phone: 408-2102-3226

9. Designated Facility Name and Site Address:
So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607

10. US EPA ID Number: CAD008488025

G. State Facility's ID: CAD008488925

H. Facility's Phone:

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste R.Q. Alkaline (Corrosive) liquid N.O.S. Corrosive liquid, NA1719 (contains copper chloride as copper ammonium) chloride, (Spent 9110 Waste)	5	DF	275	G	State 132 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: (1) Water 57-62% (2) Cupic Ammonium Chloride 35-38% (3) Ammonium Chloride 3-5% (4) Balance - Non Toxic propritory material being returned to original mfg., for routine reclaimination.

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information: Contains copper at levels that may be toxic to fish, keep out of rivers, waterways. Wear gloves, will stain hands blue. Corrosive to metals.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy — Signature: [signature] — Month Day Year: 10 15 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: ANTHONY MILES — Signature: [signature] — Month Day Year: 10 15 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: MARLIN WELLS — Signature: Marlin Wells — Month Day Year: 10 19 87

19. Discrepancy Indication Space
EPA #.

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Juan Navarro — Signature: [signature] — Month Day Year: 10 20 87

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CAD981089252 — Manifest Document No: 13008

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone: (818) 768-3919

A. State Manifest Document Number: 87113008

B. State Generator's ID: HAHQ36-006802

5. Transporter 1 Company Name: Great Western Chemical Co.

6. US EPA ID Number: CAD981689193

C. State Transporter's ID: [illegible]805781

D. Transporter's Phone: (818) 768-8927

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address:
So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607

10. US EPA ID Number: CAD008488025

G. State Facility's ID

H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Alkaline (Corrosive) liquid N.O.S. Corrosive liquid, NA1719 (contains copper chloride as copper ammonium) chloride, (Spent 9110 Waste)	14	DF	220	G	State 132 EPA/Other 2002
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above: (1) Water 57-62% (2) Cupic Ammonium Chloride 35-38% (3) Ammonium Chloride 3-5% (4) Balance -Non Toxic propritory material being returned to original mfg., for routine reclaimination.

K. Handling Codes for Wastes Listed Above
a. 01
b.
c.
d.

15. Special Handling Instructions and Additional Information: Contains copper at levels that may be toxic to fish, keep out of rivers, waterways. Wear gloves, will stain hands blue. Corrosive to metals.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
Thomas M. Garcy	Thomas M Garcy	11	12	87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
RICHARD STUART	Richard Stuart	11	12	87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Juan Navarro	Juan Navarro	11	12	87

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (7/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type (Form designed for use on elite (12-pitch typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509 — Manifest Document No.: 13009

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 87113009

B. State Generator's ID: HAHQ36-006802

5. Transporter 1 Company Name: Great Western Chemical Co.

6. US EPA ID Number: CAD981689193

C. State Transporter's ID: [redacted] 805781

D. Transporter's Phone: (818) 768-8927

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address:
So. Calif. Chemical
8851 Dice Road
Santa Fe Springs, Ca. 90670

10. US EPA ID Number: CAD008488025

G. State Facility's ID:

H. Facility's Phone:

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Waste Acid Copper Plating solution, corrosive liquid N.O.S. UN1760 corrosive material Authorization No. 9269 UN1760	2	DF	110	G	State 792 / EPA/Other ~~111~~ Door
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above
a. 15
b.
c.
d.

15. Special Handling Instructions and Additional Information

Contains copper at levels that may be toxic to fish, keep out of water ways, rivers.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy — Signature: Thomas M. Garcy — Month Day Year: 11 23 87

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: RICHARD STUART — Signature: Richard Stuart — Month Day Year: 11 23 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: JUAN NAVARRO — Signature: Juan Navarro — Month Day Year: 11 25 87

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509 — Manifest Document No.: 13010
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone: 818 768-3919

A. State Manifest Document Number: 87113010

B. State Generator's ID: HAH036-006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD981689193

C. State Transporter's ID: 805781

D. Transporter's Phone: (818) 768-8927

7. Transporter 2 Company Name: S, C, C
8. US EPA ID Number: CAD008488025

E. State Transporter's ID: 804447

F. Transporter's Phone: 213-698-8036

9. Designated Facility Name and Site Address: So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607

10. US EPA ID Number: CAD008488025

G. State Facility's ID: ISPCAD008488025

H. Facility's Phone: 213-698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
R.Q. Waste Alkaline (Corrosive) liquid N.O.S. C Corrosive liquid, NA1719 (contains copper chloride as copper ammonium) chloride, (spent 9110 waste)	4	DF	220	G	State 132; EPA/Other 2002
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above: (1) Water 57-62% (2) Cupic Ammonium Chloride 35-38% (3) Ammonium Chloride 3-5% (4) Balance-Non Toxic propritory material being returned to original mfg., for routine reclaimination.

K. Handling Codes for Wastes Listed Above: a. 01; b.; c.; d.

15. Special Handling Instructions and Additional Information: Contains copper at levels that may be toxic to fish, keep out of rivers, waterways. Wear gloves, will stain hands blue. Corrosive to metals.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy — Signature: [signature] — Month Day Year: 02 02 88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: ~~S.C.~~ G.W.C. Hector Lopez — Signature: Hector Lopez — Month Day Year: 02 02 88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: S.C.C Francisco Morones — Signature: [signature] — Month Day Year: 02 04 88

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Juan Navarro — Signature: [signature] — Month Day Year: 02 04 88

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509
Manifest Document No.: 13011
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 87113011
B. State Generator's ID: HAH035-006802
C. State Transporter's ID: 805781
D. Transporter's Phone: (818) 768-8927
E. State Transporter's ID: 804447
F. Transporter's Phone: 213-698-8036
G. State Facility's ID: IS DCAD008488025
H. Facility's Phone: (213) 698-8036

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD981689193
7. Transporter 2 Company Name: S.C.C.
8. US EPA ID Number: CAD008488025
9. Designated Facility Name and Site Address: So. Calif. Chemical
8851 Dice Road
Santa Fe Springs, Ca. 90670
10. US EPA ID Number: CAD008488025

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste, Acid Copper Plating Solution, corrosive liquid, N.O.S. UN1760 corrosive material. Athorization No. 9269 UN1760	2	DF	110	G	State 792 / EPA/Other 111
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above
a. 01
b.
c.
d.

15. Special Handling Instructions and Additional Information
Contains copper at levels that may be toxic to fish, keep out of waterways, Rivers, etc.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Thomas M. Garcy	T M Garcy	02 16 88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
G.W.C. Héctor López	Héctor López	02 16 88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
S.C.C. Garry Alton	Garry Alton	2 18 88

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year

GENERATOR / TRANSPORTER / FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509 — Manifest Document No.: 13012

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corporation
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone: 818 768-3919

A. State Manifest Document Number: 87113012

B. State Generator's ID: HAH035-00682

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD981681919

C. State Transporter's ID: 805781 (8927)
D. Transporter's Phone: (818) 768-XXXX

7. Transporter 2 Company Name: S.C.C.
8. US EPA ID Number: CAD008148802

E. State Transporter's ID: 804447
F. Transporter's Phone: (213) 698-8036

9. Designated Facility Name and Site Address: So. Calif. Chemcial
8851 Dice Rd.
Santa Fe Springs, Ca. 90670
10. US EPA ID Number: CAD008148802

G. State Facility's ID: ISDCAPO 084 80 25
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q.Waste, Acid Copper Plating Solution, corrosive liquid, N.O.S. UN1760 corrosive material. Authorization No. 9269 UN1760	12	DF	0110	G	State 792 / EPA/Other 111
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information

Contains copper at levels that may be toxic to fish, keep out of waterways, Rivers, etc.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Thomas M. Garcy	T M Garcy	03	30	88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
G.W.C. Hector Lopez	Hector Lopez	03	30	88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
S.C.C. Jose Benitez	J Benitez	03	31	88

19. Discrepancy Indication Space
EPA S/B 2002

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Joan Mann				

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509 — Manifest Document No.: 13013
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
San Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 87113013
B. State Generator's ID: HAH036-006802
C. State Transporter's ID: 805781
D. Transporter's Phone: (818) 768-3919
E. State Transporter's ID: 804447
F. Transporter's Phone: (213) 698-8036
G. State Facility's ID: ISDCAD008488025
H. Facility's Phone: (213) 698-8036

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD981689193
7. Transporter 2 Company Name: S.C.C.
8. US EPA ID Number: CAD008488025
9. Designated Facility Name and Site Address: So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607
10. US EPA ID Number: CAD008488025

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Alkaline (Corrosive) Liquid N.O.S. Corrosive Liquid, NA1719 (contains copper chloride as copper ammonium) chloride, (spent 9110 waste)	2	DF	110	G	State 132; EPA/Other D002
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above: (1) Water 57-62% (2) Cupic Ammonium Chloride 35-38% (3) Ammonium Chloride 3-5% (4) Balance-Non Toxic propritory material being returned to original Mfg., for routine reclaimination.

K. Handling Codes for Wastes Listed Above: a. b. c. d.

15. Special Handling Instructions and Additional Information: Contains copper at levels that may be toxic to fish, keep out of rivers, waterways. Wear gloves, will stain hands blue. Corrosive to metals.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Thomas M. Garcy	TM Garcy	03 30 88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
G.W.C. Hector Lopez	Hector Lopez	03 30 88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
S.C.C. Jose Benitez	J Benitez	03 31 88

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
Juan Navarro	Juan Navarro	4 1 88

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD980892509 — Manifest Document No. 13014

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corporation
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 87113014

B. State Generator's ID: HAH035-006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD981689193
C. State Transporter's ID: 805781 XXXXXX
D. Transporter's Phone: (818) 768-8927

7. Transporter 2 Company Name: S.C.C.
8. US EPA ID Number: AZD983216556 CAD980892525
E. State Transporter's ID: 805447XXXXX
F. Transporter's Phone: (213) 698-8036

9. Designated Facility Name and Site Address
So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90670
10. US EPA ID Number: CAD008489802
G. State Facility's ID: TSDCAD008489802
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste, Acid Copper Plating Solution, corrosive liquid, N.O.S. UN1760 corrosive material. Authorization No. 9599 UN1760.	1	DF	55	G	State 792 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: LCS

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information
Conatins copper at levels that may be toxic to fish, keep out of waterways, rivers, etc. ERS Approval #9599

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations,

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Thomas M. Garcy	Thomas M Garcy	04	28	88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
G.W.C. Hector Lopez	Hector Lopez	04	28	88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
FERNANDO ARAIZA	Fernando Araiza	4	29	88

19. Discrepancy Indication Space
T. INCORRECT
F. INCORRECT

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
JUAN NAVARRO	Juan Navarro	5	2	88

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700-22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509 — Manifest Document No.: 13015
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 87113015
B. State Generator's ID: HAH036-006802
C. State Transporter's ID: 805781
D. Transporter's Phone: (818) 768-3919
E. State Transporter's ID: 702106
F. Transporter's Phone:

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD981689193
7. Transporter 2 Company Name:
8. US EPA ID Number: AZD982316531
9. Designated Facility Name and Site Address: So. Calif. Chemi cal
8851 Dice Rd.
Santa Fe Springs, Ca. 90607
10. US EPA ID Number: CAD008488025

G. State Facility's ID: ISDCAD008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
R.Q. Waste Alkaline (Corrosive) Liquid N.O.S. Corrosive Liquid, NA1719 (contains copper chloride as copper ammonium) chloride, (spent 9110 waste)	3	DF	165	G	State 132; EPA/Other D002
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above: (1) Water 57-62% (2) Cupic Ammonium Chloride 35-38% (3) Ammonium Chloride 3-5% (4) Balance-Non Toxic propritory material being returned to original Mfg., for routine reclaimination. Spt A

K. Handling Codes for Wastes Listed Above: a. 01; b.; c.; d.

15. Special Handling Instructions and Additional Information: Contains copper at levels that may be toxic to fish, keep out of rivers, waterways. Wear gloves, will stain hands blue. Corrosive to metals. ERS Approval No. 8337 Spent

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy — Signature: Thomas M Garcy — Month Day Year: 04 28 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: G.W.C. Héctor López — Signature: Héctor López — Month Day Year: 04 28 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: FERNANDO ARAIZA — Signature: Fernando Araiza — Month Day Year: 4 29 88

19. Discrepancy Indication Space
M+F Omitted

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Juan Navarro — Signature: Juan Navarro — Month Day Year: 5 2 88

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95810

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD980892509 — Manifest Document No. 130116

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 87113016
B. State Generator's ID: HAH035-006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD981689193
C. State Transporter's ID: 805781
D. Transporter's Phone: (818) 768-8927

7. Transporter 2 Company Name: S.C.C.
8. US EPA ID Number: AZD982314531 / CAD980884025
E. State Transporter's ID: 88-CAL-MJ-16
F. Transporter's Phone: (213) 698-8036

9. Designated Facility Name and Site Address
So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90670
10. US EPA ID Number: CAD008488025
G. State Facility's ID: TSDC A 000848808 025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste, Acid Copper Plating Solution, Corrosive liquid, N.O.S. UN1760 corrosive material. Authorization No. 9599 UN1760.	6	DF	305	G	State 792 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: LCS

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information
Contains copper at levels that may be toxic to fish, keep out of waterways, rivers, etc. ERS Approval #9599

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Month Day Year
Thomas M. Garcy	Thomas M Garcy	10 4 88

17. Transporter 1 Acknowledgement of Receipt of Materials

TRANSPORTER

Printed/Typed Name	Signature	Month Day Year
G.W.C. Hector López	Hector Lopez	10 4 29 88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
FERNANDO ARAIZA	Fernando Araiza	10 29 88

FACILITY

19. Discrepancy Indication Space
7 S/B Dal Mar Trucking
F INCORRECT

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
John Powers	Juan Lovera	10 31 12 88

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509 — Manifest Document No.: 13017
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 87113017
B. State Generator's ID: HAH036-006802
C. State Transporter's ID: 805781 982-3114
D. Transporter's Phone: (818) ~~768-3919~~
E. State Transporter's ID: ~~702106~~ 810823
F. Transporter's Phone: 806-4700

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD981689193
7. Transporter 2 Company Name: Del Mar Trucking
8. US EPA ID Number: AZD982316531
9. Designated Facility Name and Site Address: So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607
10. US EPA ID Number: CAD008488025

G. State Facility's ID: ISDCAD008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Alkaline (Corrosive) Liquid N.O.S. Corrosive liquid, NA1719 (contains copper chloride as copper ammonium) chloride, (spent 9110 waste)	2	DF	110	G	State 132 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: (1) Water 57-62% (2) Cupic Ammonium Chloride 35-38% (3) Ammonium Chloride 3-5% (4) Balance-Non Toxic propritory material being returned to original Mfg., for routine reclaimination.

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information: Contains copper at levels that may be ~~toxic~~ spent to fish, keep out of rivers, waterways. Wear gloves, will stain hands blue. Corrosive to metals. ERS Approval No. 1266 spent

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Robert H. Baker — Signature: TM Gary for R Baker — Month Day Year: 05 27 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Great Western Chemical — Signature: Héctor Lopez on behalf of (GWCC) — Month Day Year: 05 27 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: FERNANDO ARAIZA — Signature: Fernando Araiza — Month Day Year: 5 29 88

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: JUAN PAVACIO — Signature: Juan Pavacio — Month Day Year: 6 07 88

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509
Manifest Document No.: 13018

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Enginering Corporation
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 87113018

B. State Generator's ID: HAH035-006802

5. Transporter 1 Company Name: Great Western Chemical Co.

6. US EPA ID Number: CAD981689191

C. State Transporter's ID: 805781 (982-3114)

D. Transporter's Phone: (818) ~~768-8927~~

7. Transporter 2 Company Name: Del Mar Trucking

8. US EPA ID Number: AZD982316531

E. State Transporter's ID: ~~702106~~ 810823

F. Transporter's Phone: (213) 698-8036

9. Designated Facility Name and Site Address:
So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90670

10. US EPA ID Number: CAD008488025

G. State Facility's ID: ISDCAD008488025

H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste, Acid Copper Plating Solution, corrosive liquid, N.O.S. UN1760 corrosive material. Authorization No. 9599 UN1760.	1	DF	55	G	State 792; EPA/Other D002
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above
a. 01
b.
c.
d. Cu. Plat

15. Special Handling Instructions and Additional Information

Contains copper at levels that may be toxic to fish, keep out of waterways, rivers, etc. ERS Approval #9599

KS

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Robert H. Baker	[signature]	05 27 88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Great Western Chemical	Héctor Lopez on behalf of GWCC	05 27 88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
FERNANDO ARAIZA	Fernando Araiza	5 29 88

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
Juan Navarro	Juan Navarro	6 01 88

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509 — Manifest Document No.: 13019
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 87113019
B. State Generator's ID: HAH036-0068 02
C. State Transporter's ID: [redacted]810546
D. Transporter's Phone: (818) 982-3114
E. State Transporter's ID: ~~702106~~ 810658
F. Transporter's Phone: 1-800-445-4834

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD981689193
7. Transporter 2 Company Name: Del Mar Trucking
8. US EPA ID Number: AZD982316531
9. Designated Facility Name and Site Address: So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607
10. US EPA ID Number: CAD008488025

G. State Facility's ID: ISOCAD008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Alkaline (Corrosive) liquid N.O.S. Corrosive liquid, NA1719 (contains copper chloride as copper ammonium) chloride, (spent 9110 waste)	5	DF	275	G	State 132 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above (1) Water 57-62% (2) cupic Ammonium Chloride 35-38% (3) Ammonium Chloride 3-5% (4) Balance-Non Toxic propritory material being returned to original MFG., for routine reclaimination. spent (c-9)

K. Handling Codes for Wastes Listed Above
a. 01
b.
c.
d.

15. Special Handling Instructions and Additional Information: Contains copper at levels that may be toxic to fish, keep out of rivers, waterways. Wear gloves, will stain hands blue. Corrosive to metals. ERS Approval No. 1266 spent.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas. M. Garcy — Signature: T M Garcy — Month Day Year: 08 19 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Great Western Chemical / Héctor López — Signature: Héctor López on behalf of GWCC — Month Day Year: 08 19 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: FERNANDO ARAIZA — Signature: Fernando Araiza — Month Day Year: 8 19 88

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Juan Navarro — Signature: Juan Navarro — Month Day Year: 8 22 88

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509
Manifest Document No.: 13020

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone: (818) 768-3919

A. State Manifest Document Number: 87113020

B. State Generator's ID: HAH035-0068-02 (810546)

5. Transporter 1 Company Name: Great Western Chemical Co.

6. US EPA ID Number: CAD981689193

C. State Transporter's ID: ~~805[illegible]~~

D. Transporter's Phone: (818) ~~XXX~~ 982-3114

7. Transporter 2 Company Name: Del Mar Trucking

8. US EPA ID Number: AZD982316531

E. State Transporter's ID: ~~702106~~ 810658

F. Transporter's Phone: ~~(213) 698-8036~~ 1800-445-4834

9. Designated Facility Name and Site Address:
So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90670

10. US EPA ID Number: CAD008488025

G. State Facility's ID: IS0CAD008488025

H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste, Acid Copper Plating Solution, corrosive liquid, N.O.S. UN1760 corrosive material. Authorization No. 9599 UN1760.	8	DF	400	G	State 792 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: LCS (S-1A)

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information
Contains copper at levels that may be toxic to fish, keep out of waterways, rivers, etc. ERS Approval #9599

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy — Signature: T M Garcy — Month Day Year: 08 19 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Great Western Chemical / Héctor López — Signature: Héctor López on behalf of GWCC — Month Day Year: 08 19 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: FERNANDO ARAIZA — Signature: Fernando Araiza — Month Day Year: 8 19 88

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: JUAN PAVARO — Signature: Juan Pavaro — Month Day Year: 8 22 88

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD980825091 — Manifest Document No. 13021

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 87113021

B. State Generator's ID: HAH 0136-00168 0 2

5. Transporter 1 Company Name: Great Western Chemical Co.

6. US EPA ID Number: CAD982816893

C. State Transporter's ID: 82556 702257

D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name: Del Mar Trucking

8. US EPA ID Number: AZD982131665 31

E. State Transporter's ID: 702106

F. Transporter's Phone

9. Designated Facility Name and Site Address
So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607

10. US EPA ID Number: CAD008488025

G. State Facility's ID: TS0CAD008488025

H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Alkaline (Corrosive) liquid N.O.S. Corrosive liquid, NA1719 (contains copper chloride as copper ammonium) chloride, (spent 9110 waste)	6	DF	330	G	State 132 EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: (1) Water 57-62% (2) Cupic Ammonium Chloride 35-38% (3) Ammonium Chloride 3-5% (4) Balance-Non Toxic propritory material being returned to original MFG., for routine reclaimination.

K. Handling Codes for Wastes Listed Above
a. 01 b. c. d.

15. Special Handling Instructions and Additional Information: Contains copper at levels that may be toxic to fish, kepp out of rivers, waterways. Wear gloves, will stain hands blue. Corrosive to metals. ERS Approval No. 1266 Spent.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Thomas M. Carey	T M Carey	1	2	88

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		1	12	88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509
Manifest Document No.: 13022
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 87113022
B. State Generator's ID: HAH035-006802
C. State Transporter's ID: ~~810596~~ 706257
D. Transporter's Phone: (818) 982-3114
E. State Transporter's ID: 702106
F. Transporter's Phone: (213) 698-8036
G. State Facility's ID: ISDCAD008488025
H. Facility's Phone: (213) 698-8036

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD982467623
7. Transporter 2 Company Name: Del Mar Trucking
8. US EPA ID Number: AZD982316531
9. Designated Facility Name and Site Address: So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90670
10. US EPA ID Number: CAD008488025

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste, Acid copper plating solution, corrosive liquid, N.O.S. UN1760 corrosive material. Authorization No. 9599 UN1760.	6	DF	165	G	State 792 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above
a. 01
b.
c.
d.

15. Special Handling Instructions and Additional Information
Contains copper at levels that may be toxic to ~~XX~~ fish, keep out of waterways, ~~XXX~~ rivers, etc. ERS Approval #9599

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy
Signature: T M Garcy
Month Day Year: 02 13 89

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Great Western Chemical/Hector Lopez
Signature: Hector Lopez on behalf of [illegible]
Month Day Year: 02 13 89

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name:
Signature:
Month Day Year:

GENERATOR / TRANSPORTER / FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892500 — Manifest Document No.: 13023
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 87113023
B. State Generator's ID: HA H036-006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD982467623
C. State Transporter's ID: 906257
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name: Del Mar Trucking
8. US EPA ID Number: AZD982316530
E. State Transporter's ID: 702106
F. Transporter's Phone:

9. Designated Facility Name and Site Address: So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607
10. US EPA ID Number: CAD008488025
G. State Facility's ID: ISDCAD008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Alkaline (corrosive) liquid N.O.S. corrosive liquid, NA1719 (contains copper chloride as copper ammonium) chloride, (spent 9110 waste)	3	DF	165	G	State 132; EPA/Other D002
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above: (1) Water 57-62% (2) Cupic Ammonium Chloride 35-38% (3) Ammonium Chloride 3-5% (4) Balance-Non Toxic propritory material being returned to original MFG., for outine reclaimination.

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information: Contains copper at levels that may be toxic to fish, keep out of rivers, waterways. Wear gloves, will stain hands blue. Corrosive to metals. ERS Approval No. 1266 Spent.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy — Signature: [signature] — Month Day Year: 02 13 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Great Western Chemical/Hector [illegible] — Signature: [signature] — Month Day Year: 02 13 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: — Signature: — Month Day Year:

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509 — Manifest Document No.: 13024

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 87113024

B. State Generator's ID: HAH036-006802

5. Transporter 1 Company Name: Great Western Chemical

6. US EPA ID Number: CAD982467623

C. State Transporter's ID: 906257

D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name: Del Mar Trucking

8. US EPA ID Number: CAD982481921 ~~CAD982316531~~

E. State Transporter's ID: ~~702106~~ 906628

F. Transporter's Phone: 800-445-4834

9. Designated Facility Name and Site Address:
Southern Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90670

10. US EPA ID Number: CAD008488025

G. State Facility's ID: IS DCAD008488025

H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Corrosive liquid, N.O.S. UN1760 (Ammonium Persulfate) Corrosive Material	005	DF	275	G	State 792 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: LCS-51A

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information

ERS #6747B020989 Corrosive to metals, wear gloves, goggles, keep out of waterways. Returned for Reclaimination.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy — Signature: [signature] — Month Day Year: 3 10 89

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Great Western Chem/Kerry Garcia — Signature: Kerry K. Garcia — Month Day Year: 3 10 89

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: FERNANDO ARAIZA — Signature: [signature] — Month Day Year: 3 4 89

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: D. F. Barger — Signature: [signature] — Month Day Year: 03 14 89

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 13026

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 87113025

B. State Generator's ID: HAH 036-006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD 982467623
C. State Transporter's ID: 906250
D. Transporter's Phone: (818) 982-3118

7. Transporter 2 Company Name: Del Mar Trucking
8. US EPA ID Number: AZD 982316531
E. State Transporter's ID: 702106
F. Transporter's Phone:

9. Designated Facility Name and Site Address
So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90670
10. US EPA ID Number: CAD 008488025
G. State Facility's ID: ISD CAD 008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. R.Q. Waste Oxidizer/Corrosive liquid N.O.S. Oxidizer/Corrosive NA 9193 (Spent Ammonium Persulfate)	20	F	110	G	State 792 EPA/Other D002/D001
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
Water 60-99%
Acid 1-40%
Copper 0-10%
Balance Non-Toxic Proprietaries

K. Handling Codes for Wastes Listed Above
a. 01
b.
c.
d.

15. Special Handling Instructions and Additional Information
ERS #6747B020989 Corrosive to metals, wear gloves, goggles, keep out of waterways. Returned for Reclaimination.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
Thomas M. Garcy	Thomas M Garcy	04	07	89

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Great Western Chem Kenneth Garcia	On behalf of GWC Kenneth Garcia	04	10	89

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 13026
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone: (818 768-3919

A. State Manifest Document Number: 87113026
B. State Generator's ID: HAH 036-006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD 982467623
C. State Transporter's ID: 906258
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name: Del Mar Trucking
8. US EPA ID Number: ~~AZD 982316531~~ CAD 982481921
E. State Transporter's ID: ~~702106~~ 906621
F. Transporter's Phone: 213 ~~[illegible]~~ 906-4700

9. Designated Facility Name and Site Address: So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607
10. US EPA ID Number: CAD 008488025
G. State Facility's ID: ISD CAD 008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Alkaline (corrosive) liquid N.O,S. corrosive liquid, NA1719 (contains copper chloride as copper ammonium) chloride, (spent 9110 waste)	3	DF	165	G	State 132 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above (1) Water 57-62% (2) Cupic Ammonium Chloride 35-38% (3) Ammonium Chloride 3-5% (4) Balance-Non Toxic propritory material being returned to original Mfg., for outline reclaimination.
SPENTC-9

K. Handling Codes for Wastes Listed Above
a. 01
b.
c.
d.

15. Special Handling Instructions and Additional Information: Contains copper at levels that may be toxic to fish, keep out of rivers, waterways. Wear gloves, will stain hands blue. Corrosive to metals. ERS Approval No. 1266 Spent.

18. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy
Signature: Thomas M Garcy
Month Day Year: 04 07 89

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Great Western Chem/Kerry Garcia
Signature: On Behalf of GWCC/Kerry E. Garcia
Month Day Year: 04 07 89

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: F. TRUDEAU
Signature: F. Trudeau
Month Day Year: 04 07 89

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: D. F. BARGER
Signature: D. F. Barger
Month Day Year: 04 11 89

GENERATOR
TRANSPORTER
FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 13 0 2 7
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 87113027
B. State Generator's ID: HAH 036-006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD 982467623
C. State Transporter's ID: 906258
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name: Del Mar Trucking
8. US EPA ID Number: ~~AZD 982316531~~ CAD 982481921
E. State Transporter's ID: ~~782106~~ 906621
F. Transporter's Phone: (213) ~~[illegible]~~ 806-4700

9. Designated Facility Name and Site Address: So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. ~~XXX~~ 90670
10. US EPA ID Number: CAD 008488025
G. State Facility's ID: ISD CAD 008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste, Acid copper plating solution, corrosive liquid, N.O.S. UN1760 corrosive material. Athorization No. 9599 UN1760.	3	DF	165	G	State 792 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: LCS-S-1A. ERS# 6747

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information
Contains copper at levels that may be toxic to fish, keep out of waterways, rivers, etc. ERS Approval ~~#9599~~ 6747

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy — Signature: Thomas M. Garcy — Month Day Year: 04 07 89

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Great Western Chem/Kerry Garcia — Signature: On Behalf of GWCC/Kerry E. Garcia — Month Day Year: 04 07 89

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: F. TRUDEAU — Signature: F. Trudeau — Month Day Year: 04 07 89

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: D. F. BARGER — Signature: D. F. Barger — Month Day Year: 04 11 89

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 13029
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818 768-3919

A. State Manifest Document Number: 87113029
B. State Generator's ID: HAH 036-006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD 982467623
C. State Transporter's ID: 90625
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name: ED Williams
8. US EPA ID Number: CAD028025245
E. State Transporter's ID: 005126
F. Transporter's Phone: (209) 5025-2330

9. Designated Facility Name and Site Address: So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90670
10. US EPA ID Number: CAD 008488025
G. State Facility's ID: ISD CAD 008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
R.Q. Waste, Acid copper plating solution, corrosive liquid, N.O.S. UN1760 corrosive material. authorization No. 9599 UN1760.	7	DF	385	G	State 792 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Copper Sulfate 25%
Sulfuric Acid 10%
HCL 50 PPM
Water 65%
LCS-S-1A

K. Handling Codes for Wastes Listed Above
a. 01
b.
c.
d.

15. Special Handling Instructions and Additional Information
Contains copper at levels that may be toxic to fish, keep out of waterways, rivers, etc. ERS Approval ~~#9599~~ 6747

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy
Signature: T M Garcy
Month Day Year: 04 25 89

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Great Western Chem/Kerry Garcia
Signature: On behalf of GWCC/Kerry E. Garcia
Month Day Year: 04 25 89

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: ED Williams
Signature: [signature]
Month Day Year: 05 01 89

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: D.F. Bargen
Signature: [signature]
Month Day Year: 05 01 89

GENERATOR
TRANSPORTER
FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509 — Manifest Document No.: 13030

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 87113030

B. State Generator's ID: HAH 036-006802

5. Transporter 1 Company Name: Great Western Chemical Co.

6. US EPA ID Number: CAD 982467623

C. State Transporter's ID: 906257

D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name: ~~Del Mar Trucking~~ Stinson

8. US EPA ID Number: ~~AZD 982316531~~ CAD076303254

E. State Transporter's ID: ~~702186~~ 801697

F. Transporter's Phone: 923-0932

9. Designated Facility Name and Site Address:
So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607

10. US EPA ID Number: CAD 008488025

G. State Facility's ID: ISD CAD 008488025

H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Alkaline (corrosive) liquid N.O.S. Corrosive liquid, NA1719 (contains copper chloride as copper ammonium) chloride, (spent 9110 waste)	4	DF	220	G	State 132; EPA/Other D002
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above: (1) Water 57-62% (2) Cupic Ammonium Chloride 35-38% (3) Ammonium Chloride 3-5% (4) Balance-Non Toxic propritory material being returned to original Mfg., for outline reclaimination.
SPENT C-9.

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information: Contains copper at levels that may be toxic to fish, keep out of rivers, waterways. Wear gloves, will stain hands blue. Corrosive to metals. ERS Approval No. ~~1200~~ 0185 Spent.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy — Signature: Thomas M. Garcy — Month Day Year: 07 14 89

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Great Western Chem/Kerry Garcia — Signature: on behalf of GWCC/Kerry E. Garcia — Month Day Year: 07 14 89

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: G. Love — Signature: Gerald Love — Month Day Year: 07 24 89

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name: D. F. BARGER — Signature: D. F. Barger — Month Day Year: 07 21 89

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

8906 30 0063 0878

State of California, Health and Medical Agency
Form Approved OMB No. [illegible]
Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Department of Health Services
Toxic Substances Control Program
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD [illegible]
2. Page 1 of 1
3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone: 818 768-3919
5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD[illegible]
7. Transporter's Company Name: Del Mar Trucking
8. US EPA ID Number: AAD[illegible]
9. Designated Facility Name and Site Address: So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90670
10. US EPA ID Number: CAD [illegible]

Manifest Tracking Number: 87113031

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Contaminant No.	Type	13. Total Quantity	14. Unit Wt./Vol.	Waste No.
N.O.S. Waste, Acid copper plating solution, corrosive liquid, N.O.S. UN1760 corrosive material, authorization No. 9599 UN1760.	10		500		732

15. Additional Information for Materials Listed Above

Copper Sulfate	12%	
Sulfuric Acid	12%	
HCL	50 PPM	
Water	65%	

6 Cl-3-10

16. Special Handling Instructions and Additional Information

Contains copper at levels that may be toxic to fish, keep out of waterways, rivers, etc. SRS Approval ~~[illegible]~~ 6748

17. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas H. Garvey
Signature: [signature]
Month Day Year: 09 28 89

18. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Great Western Chemical Co. Agent Bruce Ouchak of Gt. Kenneth Ohio
Signature: [signature]
Month Day Year: 09 28 89

19. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:
Signature:
Month Day Year:

20. Discrepancy Indication Space

21. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: D F Bargen
Signature: [signature]
Month Day Year: 09 28 89

SEE BACK 5 OF 5
[illegible]
Item 8-[illegible] Previous editions are obsolete.

White: TSCP SENDS THIS COPY TO DONE WITHIN 30 DAYS
To: P.O. Box [illegible], Sacramento, CA [illegible]

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 13032
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone: (818) 768-3919

A. State Manifest Document Number: 87113032
B. State Generator's ID: HAH 036-006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD 982467623
C. State Transporter's ID: 906257
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name: Del Mar Trucking
8. US EPA ID Number: AZD 982316531
E. State Transporter's ID: 702106
F. Transporter's Phone: (213) 698-8036

9. Designated Facility Name and Site Address: So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607
10. US EPA ID Number: CAD 008488025
G. State Facility's ID: ISD CAD 008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Alkaline (corrosive) Liquid N.O.S. corrosive liquid, NA1719 (contains copper chloride as copper ammonium) chloride, (spent 9110 waste)	4	DF	220	E	State 132; EPA/Other D002
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above: (1) Water 57-62% (2) cupic Ammonium Chloride 35-38% (3) Ammonium Chloride 3-5% (4) Balance Non Toxic propritory material being returned to original Mfg., for outline reclaimination.
SPENT C-9.

K. Handling Codes for Wastes Listed Above: a. 01; b.; c.; d.

15. Special Handling Instructions and Additional Information
Contains copper at levels that may be toxic to fish, keep out of rivers, waterways. Wear gloves, will stain hands blue. Corrosive to metals.
ERS Approval No. ~~1266~~ 0185 Spent.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy
Signature: [signature]
Month Day Year: 09 29 89

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Great Western Chem/Kerry Garcia
Signature: on behalf of Gw Chem/Kerry E. Garcia
Month Day Year: 09 28 89

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: D. F. Barger
Signature: [signature]
Month Day Year: 09 29 89

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-80) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 1 3 1 0 3 3
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone: (818) 768-3919

A. State Manifest Document Number: 87113033
B. State Generator's ID: HAH 036-006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD 982467623
C. State Transporter's ID: 906257
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name: Del Mar Trucking
8. US EPA ID Number: AZD 982316531
E. State Transporter's ID: 702106
F. Transporter's Phone: (213) 698-8036

9. Designated Facility Name and Site Address: So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90670
10. US EPA ID Number: CAD 008488025
G. State Facility's ID: TSD CAD 008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Oxidizer/corrosive liquid N.O.S. Oxidizer/Corrosive NA 9193 (Spent Ammonium Persulfate)	1	DF	25	G	State 792; EPA/Other D002/D001
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
Water 60-99%
Acid 1-40%
Copper 0-10%
Balance Non-Toxic Proprietaries

LCC-S-1A

K. Handling Codes for Wastes Listed Above
a. 01
b.
c.
d.

15. Special Handling Instructions and Additional Information
ERS #6747B020989 Corrosive to metals, wear gloves, goggles, keep out of waterways. Returned for Reclaimination.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy
Signature: Thomas M. Garcy
Month Day Year: 09 2 8 89

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Great Western Chemical Co. Garcia
Signature: On behalf of Bill [illegible]
Month Day Year: 09 28 89

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: D F Bargen
Signature: D. F. Bargen
Month Day Year: 09 25 89

GENERATOR — TRANSPORTER — FACILITY

6022 A (1/87)
8700—22
(9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

FOR SPILL CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802, WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 13034
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone: (818 768-3919

A. State Manifest Document Number: 87113034
B. State Generator's ID: HAH 036-006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD 982467623
C. State Transporter's ID: [illegible] 004693
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name: ~~Del Mar Trucking~~
8. US EPA ID Number: ~~AZD 982510531~~
E. State Transporter's ID: [illegible]
F. Transporter's Phone: ~~(213) 698-8036~~

9. Designated Facility Name and Site Address: So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607
10. US EPA ID Number: CAD 008488025
G. State Facility's ID: TSD CAD 008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Alkaline (corrosive) liquid N.O.S. corrosive liquid, NA1719 (contains copper chloride as copper ammonium) chloride, (spent 9110 waste)	6	DF	330	G	State 132; EPA/Other D002
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above: (1) Water 57-62% (2) cupic Ammonium Chloride 35-38% (3) Ammonium Chloride 3-5% (4) Balance-Non Toxic propritory material being returned to original Mfg., for outline reclaimination.
SPENT C-9

K. Handling Codes for Wastes Listed Above
a. 01
b.
c.
d.

15. Special Handling Instructions and Additional Information
Contians copper at levels that may be toxic to fish, keep out of rivers, waterways. Wear gloves, will stain hands blue. Corrosive to metals.
ERS Approval No. ~~1266~~ Spent. 0185J072689

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy
Signature: [signature]
Month Day Year: 01 31 90

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Great Western Hector Lopez
Signature: Hector Lopez on behalf of [illegible]
Month Day Year: 01 31 90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: G Love
Signature: Gerald Love
Month Day Year: 12 [illegible] 96

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: D. F BARSER
Signature: [signature]
Month Day Year: 02 02 90

GENERATOR
TRANSPORTER
FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 13035

2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone: (818) 768-3919

A. State Manifest Document Number: 87113035
B. State Generator's ID: HAH-036-006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD 982467623
C. State Transporter's ID: [redacted] 004693
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name: ~~Del Mar Trucking~~ Stinson Trk
8. US EPA ID Number: ~~ATD 982316531~~ CAD 009 452 854
E. State Transporter's ID: [redacted] 60266
F. Transporter's Phone: ~~(213) 698-8036~~

9. Designated Facility Name and Site Address: So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90670
10. US EPA ID Number: CAD 008488025
G. State Facility's ID: ISD CAD 008488025 923 0932
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Oxidizer/Corrosive, liquid N.O.S. Oxidizer/Corrosive (NA 9193) Waste Sodium Persulfate.	TMG 4	DF	TMG 220 ~~LCS 220~~ G		State 792 EPA/Other D002/D001
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: LCS-S-1A

K. Handling Codes for Wastes Listed Above
a. 01
b.
c.
d.

15. Special Handling Instructions and Additional Information
Wear rubber gloves, goggles. Keep out of rivers and waterwys.
ERS Approval No. 1762B121989

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Thomas M. Garcy	Thomas M Garcy	01	13	90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Great Western Hector Lopez	Hector Lopez on behalf of Great	01	13	90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
D. Lara	Gerald Lara	1	17	90

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
D. F BARSEN	D F B	02	02	90

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 13036
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 87113036
B. State Generator's ID: HAH 036-006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD 982467623
C. State Transporter's ID: ~~D04695~~ 000921
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name: Stinson
8. US EPA ID Number: CAD076307254
E. State Transporter's ID: G026041
F. Transporter's Phone: 9250821

9. Designated Facility Name and Site Address:
So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90670
10. US EPA ID Number: CAD 008488025
G. State Facility's ID: ISD CAD 008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste, Acid copper plating solution, corrosive liquid, N.O.S. UN1760 corrosive material. Authorization No. 9599 UN1760.	007	DF	00385	G	State 792 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Copper Sulfate 25%
Sulfuric Acid 10%
HCL 50 PPM
Water 65%
ERS# 1762

K. Handling Codes for Wastes Listed Above
a. 01
b.
c.
d.

15. Special Handling Instructions and Additional Information
Contains copper at levels that may be toxic to fish, keep out of waterways, rivers, etc. ERS Approval ~~#0599~~ ~~0067~~ E071789

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy
Signature: T M Garcy
Month Day Year: 03 19 90

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Great Western Chem Kerry Garcia
Signature: Kerry E. Garcia
Month Day Year: 03 19 90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: G. Love
Signature: Gerald Love
Month Day Year: 3 22 90

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: D. F BARSEN
Signature: D F Barsen
Month Day Year: 03 23 90

GENERATOR
TRANSPORTER
FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 13037
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 87113037
B. State Generator's ID: HAH 036-006802

5. Transporter 1 Company Name: Great Western Chemical Co.
8. US EPA ID Number: CAD 982467623
C. State Transporter's ID: [illegible]921
D. Transporter's Phone: (818) 9823114

7. Transporter 2 Company Name: Stanson
8. US EPA ID Number: CAD 076303254
E. State Transporter's ID: 002609
F. Transporter's Phone: 923 0932

9. Designated Facility Name and Site Address: So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607
10. US EPA ID Number: CAD 008488025
G. State Facility's ID: ISD CAD 008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Alkaline (corrosive) liquid N.O.S. corrosive liquid, NA1719 (contains copper chloride as copper ammonium) chloride, (spent 9110 waste)	03	DF	00165	G	State 132 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: (1) Water 57-62% (2) Cupic Ammonium Chloride 35-38% (3) Ammonium Chloride 3-5% (4) Balance-Non Toxic propritory material being returned to original Mfg., for outline reclaimination. SPENT C-9

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information
Contains copper at levels that may be toxic to fish, keep out of rivers, waterways. Wear gloves, will stain hands blue. Corrosive to metals.
ERS Approval No. 0185J072689 spent.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy
Signature: Thomas M Garcy
Month Day Year: 03 19 90

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Great Western Chem Kerry Garcia
Signature: Kerry E Garcia
Month Day Year: 03 19 90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: G. Love
Signature: Gerald Love
Month Day Year: 13 22 90

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: D F Barsen
Signature: DFB
Month Day Year: 03 23 90

GENERATOR / TRANSPORTER / FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 13015 8
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 87113038
B. State Generator's ID: HAH 036-006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD 982467623
C. State Transporter's ID:
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID: 106037
F. Transporter's Phone: 406-923-0932

9. Designated Facility Name and Site Address
So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90670
10. US EPA ID Number: CAD 008488025
G. State Facility's ID: TSD CAD 008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Acid copper plating solution, corrosive liquid, N.O.S. UN1760 corrosive material. Authorization No. 9599 UN 1760.	1 8	D F	4 4 0	G	State 792 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Copper Sulfate 25%
Sulfuric Acid 10%
HCL 50 PPM
Water 65%
ERS# CCS-14 9376B ~~17628~~

K. Handling Codes for Wastes Listed Above
a. 01 b.
c. d.

15. Special Handling Instructions and Additional Information
Contains copper at levels that may be toxic to fish, keep out of waterways, rivers, etc. ERS Approval No. ~~0067E071789~~

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Thomas M. Garcy	Thomas M Garcy	10	04	90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Great Western Hector Lopez	Hector Lopez on behalf of Owner	10	04	90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DeVance Saunders (Stinston)	DeVance Saunders	10	08	90

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
D. F. BARSEL	D F Barsel	10	10	90

GENERATOR
TRANSPORTER
FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 13039
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818 768-3919

A. State Manifest Document Number: 87113039
B. State Generator's ID: HAH 036-006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD 982467623
C. State Transporter's ID:
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID: 106037
F. Transporter's Phone: 1-408-923-0932

9. Designated Facility Name and Site Address:
So. Calif. Chemical
8851 Dive Rd.
Santa Fe Springs, Ca. 90607
10. US EPA ID Number: CAD 008488025
G. State Facility's ID: ISD CAD 008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Alkaline (corrosive) liquid N.O.S. corrosive liquid, NA1719 (contains copper chloride as copper ammonium) chloride, (spent 9110 waste)	5	DF	275	G	State 132 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above (1) Water 57-62% (2) cupic Ammonium Chloride 35-38% (3) Ammonium Chloride 3-5% (4) balance-non toxic propritory material being returned to original Mfg., for outline reclaimination.
SPENT C-9

K. Handling Codes for Wastes Listed Above
a. 01
b.
c.
d.

15. Special Handling Instructions and Additional Information
Contains copper at levels that may be toxic to fish, keep out of rivers, waterways. Wear gloves, will stain hands blue. Corrosive to metals.
ERS Approval No. 0185J072689 spent.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy
Signature: Thomas M Garcy
Month Day Year: 06 04 90

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Great Western Hector Lopez
Signature: Hector Lopez on behalf of [illegible]
Month Day Year: 06 04 90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Dellance Saunders (Stinson)
Signature: Dellance Saunders
Month Day Year: 06 08 90

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: D F BARSEN
Signature: D. F Barsen
Month Day Year: 06 08 90

GENERATOR
TRANSPORTER
FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 13040
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 87113040
B. State Generator's ID: HAH 036-006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD 982467623
C. State Transporter's ID: 012026
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID: 106037
F. Transporter's Phone: 1-408-923-0932

9. Designated Facility Name and Site Address:
So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90670
10. US EPA ID Number: CAD 008488025
G. State Facility's ID: ISD CAD 008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Oxidizer/Corrosive, liquid N.O.S. Oxidizer/Corrosive (NA 9193) waste sodium Persulfate.	~~3~~ 2	D P	~~1-6-5~~ 110	G	State 792 / EPA/Other D002/D001
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: LCS-S-1A

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information
Wear rubber gloves, goggles. Keep out of rivers and waterways.
ERS Approval No. 1762B121989

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy
Signature: Thomas M Garcy
Month Day Year: 06 04 90

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Great Western Hector Lopez
Signature: Hector Lopez on behalf of [illegible]
Month Day Year: 06 04 90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Delance Saunders
Signature: Delance Saunders
Month Day Year: 06 08 90

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: D. F. BARSER
Signature: D F Barser
Month Day Year: 06 08 90

GENERATOR / TRANSPORTER / FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 6022 A (1/87)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 13043
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 87113043
B. State Generator's ID: HAH 036-006802
C. State Transporter's ID: 012025
D. Transporter's Phone: (818) 982-3114
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: ISD CAD 008488025
H. Facility's Phone: (213) 698-8036

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD 982467623
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address: So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607
10. US EPA ID Number: CAD 008488025

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Alkaline (corrosive) liquid N.O.S. corrosive liquid, NA1719 (contains copper chloride as copper ammonium) chloride, (spent 9110 waste)	3	DF	165	G	State 132 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: (1) Water 57-62% (2) cupic ammonium chloride 35-38% (3) Ammonium chloride 3-5% (4) balance-non toxic propritory material being returned to original Mfg., for outline reclaimination. SPENT - 9

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information
Contains copper at levels that may be toxic to fish, keep out of rivers, waterways. Wear gloves, will stain hands blue. Corrosive to metals.
ERS Approval No. 2842J082190 spent.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy
Signature: [signature]
Month Day Year: 08 29 90

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MARK OWENS
Signature: [signature] OWENS
Month Day Year: 8 29 90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: D. F. BANG
Signature: [signature]
Month Day Year: 08 30 90

GENERATOR / TRANSPORTER / FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 0700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CA0980892509 — Manifest Document No.: 28285

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: ACCURATE ENGINEERING, 8710 Telfair Ave., Sun Valley CA. 91343

4. Generator's Phone (818) 768-3918

A. State Manifest Document Number: 90028285

B. State Generator's ID: NA[illegible]36-006802

5. Transporter 1 Company Name: MARTIN IND. PUMPING

6. US EPA ID Number: CAD000628636

C. State Transporter's ID: 011890

D. Transporter's Phone: 805-251-3737

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: NORRIS ENVIRONMENTAL SERVICE, 2515 So. Boyle Ave, Los Angeles CA. 90058

10. US EPA ID Number: CAD097030993

G. State Facility's ID: HFHR38-TODD457

H. Facility's Phone:

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. "RQ" HAZARDOUS WASTE LIQUID NO.S. ORM-E 9189 (Chrome & Lead)	001	TT	02500	G	State 132; EPA/Other D007/D008
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above: WASTE WATER WITH METALS

K. Handling Codes for Wastes Listed Above: a. 15 b. c. d.

15. Special Handling Instructions and Additional Information: gloves, goggles

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Shirley Freeman — Signature: Shirley Freeman — Month Day Year: 07 12 90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: James D. Smith — Signature: [signature] — Month Day Year: 07 12 90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: BI TIN VELASCO — Signature: Bi Tin Velasco — Month Day Year: 07 12 90

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

90028285

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

90566741

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509
Manifest Document No.: 616141
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
ACCURATE ENGINEERING CORP.
8710 TELFAIR AV. SUN VALLEY, CA 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 90566741
B. State Generator's ID: HAHQ36-006802

5. Tranaporter 1 Company Name: A D S GOLD, INC.
6. US EPA ID Number: CAD981446636
C. State Transporter's ID: 409821
D. Transporter's Phone: 714/680-4804

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
LEA RONAL
642 W. NICOLAS AV.
ORANGE, CA 92668
10. US EPA ID Number: CADOO196836 1
G. State Facility's ID: HAHQ36-015487
H. Facility's Phone: 714/282-3700

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, WASTE CYANIDE SOLUTION, N.O.S., POISON B UN1935, RECYCLABLE MATERIAL (PLATING SOLUTION)	001	DM	00025	G	State ~~CA~~ 726 EPA/Other F007
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
CYANIDE GOLD UPPER 2%
WASTE UPPER 98%
PROFILE NO. 7901-075
ADDITIONAL WASTE NOS.
FEDERAL: D007 D008
STATE: 131

K. Handling Codes for Wastes Listed Above
a. 01
b.
c.
d.

15. Special Handling Instructions and Additional Information
CYANIDE - DO NOT MIX WITH ACID
AVOID SKIN & EYE CONTACT, BREATHING VAPORS AND TAKING INTERNALLY. WEAR PROTECTIVE CLOTHING. ERG #55 24 HOUR EMERGENCY NUMBER 1(800)424-9300

16.
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste ganarated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the preaent and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: X ROBERT H. BAKER
Signature: X
Month Day Year: X 09 30 93

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: PAT LOPEZ
Signature:
Month Day Year: 09 30 93

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ron Baranskas
Signature:
Month Day Year: 10 1 93

Do Not Write Below This Line

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

B-0585-1330

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

91012952

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 12952
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 91012952
B. State Generator's ID: HAH 036-006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD 982467623
C. State Transporter's ID: ~~[illegible]~~ 109824
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name:
6. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address: So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607
10. US EPA ID Number: CAD 008488025
G. State Facility's ID: ISD CAD 008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Alkaline (corrosive) liquid N.O.S. corrosive liquid, NA1719 (contains copper chloride as copper ammonium) chloride) ~~(spent 9110 waste)~~	007	D F	00385 ~~330~~	G	State 132 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: (1) Water 57-62% (2) cupic ammonium chloride 35-38% (3) Ammonium chloride 3-5% (4) Balance-non toxic propritory material being returned to original Mfg., for outline reclaimination. SPENT C-9.

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information
Contains copper at levels that may be toxic to fish, keep out of rivers, waterways. Wear gloves, will stain hands blue. Corrosive to metals.
ERS Approval No. 2842J082190 spent.

16.
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully end accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ~~Thomas M. Garcy~~ CHARLES PREWITT
Signature: Charles Prewitt
Month Day Year: 12 10 90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Danny Murphy G.W.C.C.
Signature: Danny Murphy
Month Day Year: 12 10 90

16. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: D. F BARSEN
Signature: D. F B
Month Day Year: 12 11 90

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

0125.0021

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1	Information in the shaded areas
CAD (980892509	1 2 9 5 3	1 of 1	is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
ACCURATE ENGINEERING CORP
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 91012953
B. State Generator's ID: HAH 036-006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD 982467623
C. State Transporter's ID: [illegible] 109824
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
So. Calif. Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90670
10. US EPA ID Number: CAD 008488025
G. State Facility's ID: ISD CAD 008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Oxidizer/Corrosive, liquid N.O.S. Oxidizer/~~Corrosive~~ (NA 9193)(waste sodium Persulfate, Sulfuric Acid)	014	DF	02210	G	State 792 / EPA/Other D002/D001
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
LCS-S-1A

K. Handling Codes for Wastes Listed Above
a. 01 b. c. d.

15. Special Handling Instructions and Additional Information
Wear rubber gloves, goggles. Keep out of rivers and waterways.
ERS Approval No. 1762B121989

16.
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made e good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: CHARLES PREWITT ~~Thomas M. Carey~~ — Signature: Charles Prewitt — Month Day Year: 12 [illegible]90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Danny Murphy G.W.C.C. — Signature: [signature] — Month Day Year: 12 21 90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: D.F BARGER — Signature: [signature] — Month Day Year: 12 21 90

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

91012953

DHS 8022 A
EPA 8700—22
(Rev. 8-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

0125-00020

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
CAD980891509	12954	1 of 1	

3. Generator's Name and Mailing Address
ACCURATE ENGR. CORP.
8710 TELFAIR AVE
SUN VALLEY CA 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number 91012954
B. State Generator's ID HAM0360106802

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID	D. Transporter's Phone
GREAT WESTERN CHEM.	CAD982467623	109824	(818) 982-3114

7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID	F. Transporter's Phone

9. Designated Facility Name and Site Address
SO. CAL CHEM.
8851 DICE Rd. CA.
SANTA FE SPRINGS 90607
10. US EPA ID Number CAD009748625
G. State Facility's ID ISDCAD009748625
H. Facility's Phone (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. WASTE ALKALINE (CORROSIVE) LIQUID NOS, NA1719 (CONTAINS COPPER CHLORIDE AS COPPER AMMONIUM CHLORIDE)	1	6DF	3510	G	State 132 EPA/Other D002
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above (1) WATER 57-62% (2) CUPRIC AMMONIUM CHLORIDE 35-38% (3) ALUMINUM CHLORIDE 3-5% (4) BALANCE NON TOXIC PROPRIETORY MAT. BEING RETURNED TO MFG. FOR RECLAIMATION. SPENT C-9.

K. Handling Codes for Wastes Listed Above
a. 01 b.
c. d.

15. Special Handling Instructions and Additional Information
(1) CONTAIN COPPER AT LEVELS THAT MAY BE TOXIC TO FISH, KEEP OUT OF RIVERS AND WATERWAYS. (2) WEAR GLOVES AND EYE PROTECTION WILL STAIN SKIN. CORROSIVE TO METALS
ERS # 2342JC82190 (SPENT 9110 ETCHANT)

16. EMERGENCY CONTACT: CHUCK PREWITT (818) 769-3919 OR (818) 842-4595

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
CHARLES F. PREWITT	Charles F. Prewitt	1	31	91

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DANNY MURPHY G.W.C.C.		02	1	91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
D F BARGER		02	6	91

Do Not Write Below This Line

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

91012954

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509 | Manifest Document No.: 12955
2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: ACCURATE ENGR. CORP
9710 TELFAIR AVE
SUN VALLEY, CA. 91352
4. Generator's Phone (818) 768 3919

A. State Manifest Document Number: 91012955
B. State Generator's ID: HAH0361006802 4
C. State Transporter's ID: 109824
D. Transporter's Phone: (818) 982-3114

5. Transporter 1 Company Name: GREAT WESTERN CHEM. | 6. US EPA ID Number: CAD982416123
7. Transporter 2 Company Name | 8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address: SO. CAL CHEM CO.
8851 DICE RD. CA.
SANTA FE. SPRINGS 90670 | 10. US EPA ID Number: CAD008488025
G. State Facility's ID: 150CAD008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q WASTE ACID COPPER PLATING SOLUTION, CORROSIVE LIQUID NOS. UN1760 AUTHORIZATION # 9599	12	DF	11110	G	State 792 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
COPPER SULFATE 25%
SULFURIC ACID 10%
H.C.L. 50 PPM
WATER 65% LCS-S-1A

K. Handling Codes for Wastes Listed Above
a. 01 | b. | c. | d.

15. Special Handling Instructions and Additional Information
CONTAIN COPPER AT LEVELS THAT MAY BE TOXIC TO FISH
KEEP OUT OF WATERWAYS, RIVER ECT.
ERS # 2943B082190

16. EMERGENCY CONTACT: CHUCK PREWITT (818) 768-3919 OR (818) 842-4578

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: CHARLES F. PREWITT | Signature: Charles F. Prewitt | Month Day Year: 03/21/91

TRANSPORTER
17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DANNY MURPHY G.W.C.C. | Signature | Month Day Year: 03/21/91
18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY
19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: D F BARGER | Signature | Month Day Year: 03/26/91

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

91012955

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1	Information in the shaded areas is not required by Federal law.
CAD980812509	12956	1 of 1	

3. Generator's Name and Mailing Address
ACCURATE ENGR. CORP.
8710 TELFAIR AVE
SUN VALLEY, CA. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number 91012956
B. State Generator's ID HAHQ360068021

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID	D. Transporter's Phone
GREAT WESTERN CHEM	CAD982467623	109824	(818) 982-3114
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID	F. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility's ID	H. Facility's Phone
SO. CAL CHEM CO. 8851 DICE Rd. SANTA FE SPRINGS CA. 90670	CAD008488025	ISDCAD008488025	(213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. WASTE OXIDIZER/CORROSIVE, LIQUID N.O.S. OXIDIZER/CORROSIVE, N.A. 9193 WASTE SODIUM PERSULFATE	3	DF	165	G	State 792 EPA/Other D001/D002
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above	K. Handling Codes for Wastes Listed Above	
CONTAINS SODIUM PERSULFATE, COPPER SULFATE, SULFURIC ACID AND WATER LCS-S-1A.	a. 01	b.
	c.	d.

15. Special Handling Instructions and Additional Information
WEAR RUBBER GLOVES AND GOGGLES. KEEP OUT OF RIVERS AND WATERWAYS MAY BE TOXIC.
ERS APPROVAL # ~~[illegible]~~ 3280B121790

16. EMERGENCY CONTACT: CHUCK PREWITT (818) 768-3919 OR (818) 842-4578

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
CHARLES F. PREWITT	C. F. Prewitt	03	21	91

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Danny Murphy GW.CC.		03	21	91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
D F BARGER	D. F. B.	03	26	91

Do Not Write Below This Line

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

91012956

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD981089250 — Manifest Document No.: 12951 7
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: ACCURATE ENGR CORP.
8710 TELFAIR AVE
SUN VALLEY CA. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 91012957
B. State Generator's ID: HAW036006802
C. State Transporter's ID: 109824
D. Transporter's Phone: (818) 982 3114

5. Transporter 1 Company Name: GREAT WESTERN CHEM.
6. US EPA ID Number: CAD982467623 / CAD008488025
7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address: SO. CAL CHEM CO.
8851 DICE RD.
SANTA FE SPRINGS 90670
10. US EPA ID Number: CAD008488025
G. State Facility's ID: ISDCAD008488025
H. Facility's Phone: (213) 698 8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE HYDROGEN PEROXIDE SOLUTION (8%) CORROSIVE OXIDIZER NA 9193 (SPENT SOLDER STRIPPER 7595)	1	2DF	1110	G	State 724 / EPA/Other D002/D008
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
① HYDROGEN PEROXIDE 0-8% ⑤ WATER BALANCE
② INORGANIC FLUORIDE 0-8%
③ LEAD 5-10 OZ/GL
④ OTHER METALS 0-1000 PPM SOLD

K. Handling Codes for Wastes Listed Above
a. 15 b.
c. d.

15. Special Handling Instructions and Additional Information
WEAR RUBBER GLOVES AND GOGGLES AND FACE SHIELD. KEEP OUT OF RIVERS AND WATERWAYS. IN CASE OF EYE CONTACT, FLUSH WITH PLENTY OF WATER. EFFECTS OF HYDROGEN PEROXIDE ON EYES MAY BE DELAYED.
ERS APPROVAL # EH2954F091390 EN PERMIT # 4-901121O1

16. EMERGENCY CONTACT: CHUCK PREWITT (818) 768-3919 OR (818) 842-4548

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: CHARLES E. PREWITT — Signature: Charles E Prewitt — Month Day Year: 03 21 91

TRANSPORTER
17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DANNY MURPHY G.W.C.C. — Signature — Month Day Year: 03 21 91
18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY
19. Discrepancy Indication Space
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: D F BARGER — Signature — Month Day Year: 03 26 91

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

91012957

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
CAD980892509	12958		

3. Generator's Name and Mailing Address
ACCURATE ENG. CORP
8710 TELFAIR AVE
SUN VALLEY CA 91352
4. Generator's Phone (818) 768 3919

A. State Manifest Document Number 91012958
B. State Generator's ID HAH0360906802

5. Transporter 1 Company Name GREAT WESTERN CHEM
6. US EPA ID Number CAD982467623
C. State Transporter's ID 10504
D. Transporter's Phone (818) 982-3114

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
NORRIS
5215 SO. BOYLE AVE
L.A. CA 90058
10. US EPA ID Number CAD097030993
G. State Facility's ID CAD097030993
H. Facility's Phone (213) 588-7111

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE CORROSIVE LIQUID (CHROMIC ACID SOLUTION) UN ~~1760~~ 1755	2	DF	110	G	State 141/723/~~793~~ 792 EPA/Other D002/D007 D006
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
① SODIUM DICHROMATE .05 MG/M³ Profile #
② SULFURIC ACID 1/0 MG/M³ E1196CR1
③ NITRIC ACID 5 MG/M³
④ BALANCE WATER NOTE: MSDS ATTACHED

K. Handling Codes for Wastes Listed Above
a. 15 b.
c. d.

15. Special Handling Instructions and Additional Information
WEAR GLOVES AND GOGGLES, AVOID RUNOFF INTO STREAMS AND WATERWAYS. IN CASE OF SKIN OR EYE CONTACT FLUSH WITH PLENTY OF WATER. PROFILE # ~~E1814CR(GD)~~ EMERGENCY CONTACT AND NUMBER; CHUCK PREWITT (818) 768 3919 OR (818) 842-45~~78~~

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
CHARLES PREWITT	Charles Prewitt	1	3	91

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DANNY MURPHY GWCC.		1	23	91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Month	Day	Year
BI TIN VELASCO	Bi Tin Velasco	1	23	91

Do Not Write Below This Line

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

GENERATOR
TRANSPORTER
FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

91012958

2834-0078

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD980892509 | Manifest Document No. 12960
2. Page 1 of 2 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: ACCURATE ENGR. CORP
8710 TELFAIR AVE
SUN VALLEY, CA 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 91012960
B. State Generator's ID: HAHQ360068025
C. State Transporter's ID: 109824
D. Transporter's Phone: (818) 982-3114
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: TSDCAD008488025
H. Facility's Phone: (213) 698-8036

5. Transporter 1 Company Name: GREAT WESTERN CHEM. | 6. US EPA ID Number: CAD982467623
7. Transporter 2 Company Name: | 8. US EPA ID Number:

9. Designated Facility Name and Site Address: SO. CAL. CHEM
8851 DICE RD. CA,
SANTA FE SPRINGS 90607 | 10. US EPA ID Number: CAD008488025

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q WASTE ALKALINE (CORROSIVE) LIQ, NOS, NA 1719 (CONTAINS COPPER CHLORIDE AS COPPER AMMONIUM CHLORIDE)	5	DF	275	G	State 132 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: (1) WATER 57-62% (2) CUPRIC AMMONIUM CHLORIDE 35-38% (3) AMMONIUM CHLORIDE 3-5% (4) BALANCE NON TOXIC PROPRITORY MAT. BEING RETURNED TO MFG. FOR RECLAIMIN ATION. SPENT C-9

K. Handling Codes for Wastes Listed Above: a. 01 | b. | c. | d.

15. Special Handling Instructions and Additional Information: CONTAINS COPPER AT LEVELS THAT MAY BE TOXIC TO FISH, KEEP OUT OF RIVERS AND WATERWAYS, WEAR GLOVES AND EYE PROTECTION WILL STAIN SKIN AND IS CORROSIVE TO METAL ERS # 2842J082190 (SPENT 9110 ETCHANT) EMERGENCY CONTACT CHUCK PREWITT (818) 768-3919 (818) 842-4578

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
CHARLES F. PREWITT	Charles F. Prewitt	05	16	91

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
MATT GRIFFIN	Matt Griffin	05	16	91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
D.F. BARGER	D.F.B.	05	21	91

GENERATOR

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

91012960

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509 — Manifest Document No.: 12961
2. Page 1 of 3 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: ACCURATE ENGR. CORP. 8710 TELFAIR AVE SUN VALLEY, CA. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 91012961
B. State Generator's ID: HAHQ36006802

5. Transporter 1 Company Name: GREAT WESTERN CHEM.
6. US EPA ID Number: CAD982467623
C. State Transporter's ID: 109824
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address: SO. CAL. CHEM. CO. 8851 DICE Rd. SANTA FE, SPRINGS 90607
10. US EPA ID Number: CAD008488025
G. State Facility's ID: TSDCAD008488025
H. Facility's Phone: 213-698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q CORROSIVE LIQUID NOS CORROSIVE MAT UN 1760 (CONTAINS LEAD + TIN FLUOBORATES AND FLOUBORIC ACID)	3	DF	165	G	State 724 / EPA/Other D002/D008
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: (1) TIN FLUOBORATE 1-5% (2) LEAD FLOUBORATE 1-3% (3) FLUOBORIC ACID 30-60% (4) BAL WATER AND ORGANIC MATERIAL SOLD.

K. Handling Codes for Wastes Listed Above: a. ~~8~~ 15 b. c. d.

15. Special Handling Instructions and Additional Information: CONTAINS LEAD WHICH IS LISTED AS EXTREMELY HAZARDOUS, USE GLOVES AND EYE PROTECTION AVOID CONTACT OF ANY KIND. ERS # EH 2955F091390 EH # 3-910429-02 (SPENT TIN/LEAD PLATING BATH) EMERGENCY CONTACT CHUCK PREWITT (818) 768-3919, 842-4578

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: CHARLES F. PREWITT — Signature: Charles F. Prewitt — Month Day Year: 05 16 91

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MATT GRIPP — Signature: Matt Gripp — Month Day Year: 05 16 91

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: D F BARGER — Signature: D. F. Barger — Month Day Year: 05 21 91

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

91012961

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

0005.0022

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

91012962

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509 — Manifest Document No.: 12962
2. Page 1 of 4 — Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address: ACCURATE ENGR CORP
8710 TELFAIR AVE
SUN VALLEY CA 91352
4. Generator's Phone (818) 768 3919

A. State Manifest Document Number: 91012962
B. State Generator's ID: HAHQ360C6802

5. Transporter 1 Company Name: GREAT WESTERN CHEM. — 6. US EPA ID Number: CAD982467623
C. State Transporter's ID: 109824
D. Transporter's Phone: (818) 982 3114

7. Transporter 2 Company Name — 8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address: SO. CAL CHEM CO.
8851 DICE Rd.
SANTA FE SPRINGS 90607 — 10. US EPA ID Number: CAD008488025
G. State Facility's ID: TSDCAD008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE HYDROGEN PEROXIDE SOLUTION (8%) CORROSIVE OXIDIZER NA 9193 (SPENT SOLDER STRIPPER)	1	DF	55	G	State 724 / EPA/Other D002/D008
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
① HYDROGEN PEROXIDE 0-8%
② INORGANIC FLUORIDE 0-8%
③ LEAD 5-10 OZ/GAL
④ OTHER METALS 0-1000 PPM
⑤ BALANCE WATER
Sold.

K. Handling Codes for Wastes Listed Above
a. 04 15 — b. — c. — d.

15. Special Handling Instructions and Additional Information
WEAR RUBBER GLOVES, GOGGLES AND FACE SHIELD. KEEP OUT OF RIVERS AND WATERWAYS. IN CASE OF EYE CONTACT, FLUSH WITH PLENTY OF WATER. EFFECTS OF HYDROGEN PEROXIDE ON EYES MAY BE DELAYED.
EPS APPROVAL #EH2954-E091390 EH PERMIT 3-910429-02

16. EMERGENCY CONTACT: CHUCK PREWITT (818) 768-3919 or (818) 842-4578

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
CHARLES F. PREWITT	Charles F. Prewitt	05	16	91

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
MATT GRIFFA	Matt Griffa	05	16	91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
D. FRANCE	D. France	05	16	91

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

0005 . 0021

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509 | Manifest Document No.: 12963 | 2. Page 1 of 2 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ACCURATE ENGR CORP
8710 TELFAIR AVE
SUN VALLEY, CA. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 91012963
B. State Generator's ID: HAHQ360068O2
C. State Transporter's ID: 109824
D. Transporter's Phone: (818) 982-3114

5. Transporter 1 Company Name: GREAT WESTERN CHEM
6. US EPA ID Number: CAD982467623
7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
SO. CAL CHEM CO.
8851 DICE Rd.
SANTA FE SPRINGS 90670
10. US EPA ID Number: CAD008488025
G. State Facility's ID: TSDCAD008488025
H. Facility's Phone: 213-698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE OXIDIZER/CORROSIVE LIQUID NOS OXIDIZER/CORROSIVE NA 9193 (WASTE SODIUM PERSULFATE)	2	DF	110 55	G	State 792 / EPA/Other D001/D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
CONTAINS-SODIUM PERSULFATE, COPPER SULFATE, SULFUAIC ACID AND WATER
LCS-5-1A

K. Handling Codes for Wastes Listed Above
a. 01 b. c. d.

15. Special Handling Instructions and Additional Information
WEAR RUBBER GLOVES AND GOGGLES. KEEP OUT OF RIVERS AND WATERWAYS MAY BE TOXIC.
ERS # 3280B121790 EMERGENCY CONTACT- CHUCK PREWITT (818) 768-3919 or (818) 842-4578

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
CHARLES F. PREWITT	Charles F. Prewitt	05	16	91

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
MATT GRIPP	Matt Gripp	05	16	91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
D.F. BARGEL	D.F. Bargel	05	21	91

Do Not Write Below This Line

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

0005 . 0024

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

GENERATOR

91012963

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509 | Manifest Document No.: 12964
2. Page 1 of 2 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ACCURATE ENGR. CORP.
8710 TELFAIR AVE.
SUN VALLEY, CA. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 91012964
B. State Generator's ID: HAHQ360068102

5. Transporter 1 Company Name: GREAT WESTERN CHEM
6. US EPA ID Number: CAD982467623
C. State Transporter's ID: 109824
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
NORRIS ENVIROMENTAL SEV.
5215 SO. BOYLE AVE
L.A. CA 90058
10. US EPA ID Number: CAD097030993
G. State Facility's ID: CAD097030993
H. Facility's Phone: (213) 588-7111

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE CHROMIC ACID SOLUTION CORROSIVE MATERIAL UN 1755 WASTE CHROMIC ACID	1	DF	55	G	State 723.T12 / EPA/Other D002/D007
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
(1) CHROMIC ACID 1-10%
(2) SODIUM METABISULFITE 6-8 OZ/GAL
(3) BALANCE WATER

K. Handling Codes for Wastes Listed Above
a. 15 b. c. d.

15. Special Handling Instructions and Additional Information
WEAR GLOVES AND GOGGLES, AVOID RUNOFF INTO STREAMS AND WATERWAYS. IN CASE OF SKIN OR EYE CONTACT FLUSH WITH PLENTY OF WATER. E NES PROFILE # E1196CR5 EMERGENCY CONTACT CHUCK PREWITT (818) 768 3919 OR (818) 842 4578

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
CHARLES F. PREWITT	Charles F. Prewitt	05	16	91

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
MATT GREER	Matt Greer	05	16	91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
BI TIN VELASCO	Bi Tin Velasco	05	21	91

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

91012964

Do Not Write Below This Line

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

0089 .0035

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

91012965

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509 — Manifest Document No.: 12965
2. Page 1 of 2 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: ACCURATE ENGR. CORP. 8710 TELFAIR AVE. SUN VALLEY CA. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 91012965
B. State Generator's ID: NAHQ36006802

5. Transporter 1 Company Name: GREAT WESTERN CHEM. CO.
6. US EPA ID Number: CAD982467623
C. State Transporter's ID: 109824
D. Transporter's Phone: (818) 982 3114

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address: RHO-CHEM 425 ISIS AVE INGLEWOOD, CA 90301
10. US EPA ID Number: CAD008364432
G. State Facility's ID: CAD008364432
H. Facility's Phone: (213) 776-6233

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE ORM-A LIQUID N.O.S. (TRICHLORETHYENE) NA 1693	002	DM	00110	G	State 211 / EPA/Other F001
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
~~WEAR GOGGLES AND GLOVES~~
4% IPA
20% TRICHLOR III
70% TRICHLORETHYENE

K. Handling Codes for Wastes Listed Above
a. 01
b.
c.
d.

15. Special Handling Instructions and Additional Information
WEAR GOGGLES AND GLOVES. KEEP OUT OF RIVERS AND WATERWAYS MAY BE TOXIC. EMERGENCY CONTACT.
APPROVAL # 8696 CHUCK PREWITT (818) 768-3919-(818) 842-4578

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: CHARLES F. PREWITT — Signature: Charles F. Prewitt — Month Day Year: 06 28 91

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: HATT GRIPP — Signature: [signature] — Month Day Year: 06 28 91

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space
07/02/91

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Tony Gaeta — Signature: Tony Gaeta — Month Day Year: 07 02 91

Do Not Write Below This Line

...ious editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

0024 ~~0000 0000 0024 0000~~

...N CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 12961 6
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone: (818) 768-3919

A. State Manifest Document Number: 91012966
B. State Generator's ID: HAH036006802

5. Transporter 1 Company Name: Great Western Chem. Co.
6. US EPA ID Number: CAD982467623
C. State Transporter's ID: 109824
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address: So. Cal Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607
10. US EPA ID Number: CAD008488025
G. State Facility's ID: ISDCAD008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Alkaline (Corrosive) liquid N.O.S. NA1719 (Contains copper chloride as copper ammonium chloride)	2	DF	110	G	State 132 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: (1)Water 57-62%(2)Cupric ammonium chloride 35-38%(3)Ammonium chloride 3-5% (4)Blance non toxic propritory mat. being returned to Mfg. for reclaimination. (SPENT 9110 ETCHANT) SPENT C-9.

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information: (1)Contains copper at levels that may be toxic to fish, keep out of rivers and waterways.(2)Wear gloves and eye protection will stain skin. Corrosive to metals. ERS #2842J082190(spent 9110 etchant) Emergency contact: Chuck Prewitt (818)768-3919 or (818)842-4578.

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
Charles F. Prewitt	Charles F. Prewitt	06	28	91

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
MATT GRIFF	Matt Griff	06	28	91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
D.F. BARGER	D.F. Barger	07	02	91

Do Not Write Below This Line

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

91012966

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 12916 7
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 91012967
B. State Generator's ID: HAH026006802

5. Transporter 1 Company Name: Great Western Chemical
6. US EPA ID Number: CAD 982467623
C. State Transporter's ID: 109824
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
So. Cal Chem Co.
8851 Dice Rd. 6A.
Santa Fe Springs, Ca. 90670
10. US EPA ID Number: CAD008488025
G. State Facility's ID: TSD CAD008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Acid Copper Plating Solution. Corrosive liquid N.O.S. UN 1760 Authorization # 9599	7	DF	385 ~~110~~	G	State 792 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Copper Sulfate 25%
Sulfuric Acid 10%
H.C.L. 50 PPM
Water 65%
LCS-5-14.

K. Handling Codes for Wastes Listed Above
a. 01
b.
c.
d.

15. Special Handling Instructions and Additional Information
Contains copper at levels that may be toxic to fish, keep out of waterways, Rivers etc. ERS #2843B082190 Emergency Contact: Chuck Prewitt (818) 768-3919 or (818) 842-4578

16.
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Charles F. Prewitt	Charles F. Prewitt	10 6 91

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
MATT GRIPP	Matt Gripp	10 6 91

16. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
D. FARGER	D. Farger	10 7 91

Do Not Write Below This Line

DHS 8022 A
EPA 6700—22
(Rev. 6-89) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

DOHS_0005

GENERATOR

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

91012967

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 4291618
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 91012968
B. State Generator's ID: HAH036006802

5. Transporter 1 Company Name: Great Western Chem. Co.
6. US EPA ID Number: CAD982467623
C. State Transporter's ID: 109824
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address: So. Cal Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607
10. US EPA ID Number: CAD008488025
G. State Facility's ID: TSDCAD008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Alkaline (Corrosive) liquid N.O.S. [redacted] (Contains copper chloride as copper ammonium chloride) Corrosive Material, NA1719	003	DF	001615	G	State 132 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: (1) Water 57-62% (2) Cupric ammonium chloride 35-38% (3) Ammonium chloride 3-5% (4) Balance non Toxic propritory mat. being returned to Mfg. for reclaimination. (Spent 9110 etchant) Spent C-8

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information: (1) Contains copper at levels that may be toxic to fish, keep out of rivers and waterways. (2) Wear gloves and eye protection will stain skin. Corrosive to metals. ERS #3853J071891 (spent 9110 etchant) Emergency contact: Chuck Prewitt (818) 768-3919 or (818) 842-4578

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Charles F. Prewitt	C Charles F. Prewitt	10	10	91

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
MATT GRIFFIN		10	10	91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
MIKE ZEKOS		10	10	91

GENERATOR
TRANSPORTER
FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

91012968

DHS 8022 A
EPA 8700—22
(Rev. 6-88) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 12969

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone: (818) 768-3919

A. State Manifest Document Number: 91012969
B. State Generator's ID: HAH 036006802

5. Transporter 1 Company Name: Great Western Chemical
6. US EPA ID Number: CAD 982467623
C. State Transporter's ID: 109824
D. Transporter's Phone: (818) 9823114

7. Transporter 2 Company Name: Great Western Chemical
8. US EPA ID Number: CAD 982467623
E. State Transporter's ID: 109814
F. Transporter's Phone: (818) 982-3114

9. Designated Facility Name and Site Address: Norris Environment Services
5215 So. Boyle Ave.
Los Angeles, Ca. 90058
10. US EPA ID Number: CAD 097030993
G. State Facility's ID: ISD CAD097030993
H. Facility's Phone: (213) 588-7111

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Acid Copper Plating Solution. Corrosive liquid N.O.S. UN 1760 Authorization #9599	7	DF	385	G	State 792 Acp EPA/Other D002, D008
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
Copper Sulfate 25%
Sulfuric Acid 10%
H.C.L. 50 PPM
Water 65%

K. Handling Codes for Wastes Listed Above
a. 01/15
b.
c.
d.

15. Special Handling Instructions and Additional Information
Contains copper at levels that may be toxic to fish, keep out of waterways, rivers etc. NES Profile #E1196AC6 Emergency Contact: Chuck Prewitt (818)768-3919 or (818) 842-4578

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
Charles F. Prewitt	Charles F. Prewitt	09	12	91

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
MARK ONION		09	12	91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
MATT GREEP		09	17	91

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
C. TABACON	C. Tabacon	09	17	91

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

91012969

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

DEOH 2005

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

91012970

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 12970
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone: 818 768-3919

A. State Manifest Document Number: 91012970
B. State Generator's ID: HAHQ36006802

5. Transporter 1 Company Name: Great Western Chem. Co.
6. US EPA ID Number: CAD982467623
C. State Transporter's ID: 109825
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name: Great Western Chemical
8. US EPA ID Number: CAD982467623
E. State Transporter's ID: 109814
F. Transporter's Phone: 818 982 3114

9. Designated Facility Name and Site Address: So. Cal Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607
10. US EPA ID Number: CAD 008488025
G. State Facility's ID: ISD CAD008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Alkaline (Corrosive) liquid N.O.S. (Contains copper chloride as copper ammonium chloride) Corrosive material, NA1719	3	DF	165	G	State 132 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: (1) Water 57-62% (2) Cupric ammonium chloride 35-38% (3) Ammonium chloride 3-5% (4) Balance non toxic propritory mat. being returned to Mfg. for reclaimination. (Spent 9110 etchant) SPENTC-9

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information: (1) Contains copper at levels that may be toxic to fish, keep out of rivers and waterways. (2) Wear ~~XXXX~~ gloves and eye protection will stain skin. Corrosive to metals. ERS #3853J071891
Emergency contact: Chuck Prewitt (818) 768-3919 or (818) 842-4578

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Charles F. Prewitt
Signature: Charles F. Prewitt
Month Day Year: 09 12 91

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MARK OWENS
Signature: [signature]
Month Day Year: 09 12 91

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: MATT GRIPP
Signature: [signature]
Month Day Year: 09 12 91

19. Discrepancy Indication Space
11 A. Should read: RQ Waste Alkaline Corrosive Liquid, N.O.S. (Copper Ammonium Chloride) Corrosive Material, NA 1719

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: D.F. BARGER
Signature: [signature]
Month Day Year: 09 12 91

GENERATOR / TRANSPORTER / FACILITY

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

0425.2361

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

91012972

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 12972
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engr Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone: (818) 768-3919

A. State Manifest Document Number: 91012972
B. State Generator's ID: HAHQ36006802

5. Transporter 1 Company Name: Great Western Chemical
6. US EPA ID Number: CAD 982467623
C. State Transporter's ID: 109824
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name: Great Western Chemical
8. US EPA ID Number: CAD982467623
E. State Transporter's ID: 109814
F. Transporter's Phone: 818 982-3114

9. Designated Facility Name and Site Address:
So. Cal Chemical Co.
8851 Dice Rd.
Santa Fe Springs, Ca. 90670
10. US EPA ID Number: CAD008488025
G. State Facility's ID: ISD CAD008488025
H. Facility's Phone: 213-698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Oxidizer/Corrosive liquid NOS Oxidizer/Corrosive NA 9193 (Waste Sodium Persulfate)	3	DF	165	G	State 792; EPA/Other D001/D002
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
Contains-Sodium Persulfate, Copper sulfate, Sulfuric Acid and Water
LCS-S-1A

K. Handling Codes for Wastes Listed Above
a. 01
b.
c.
d.

15. Special Handling Instructions and Additional Information
Wear rubber gloves and goggles. Keep out of rivers and waterways may be toxic.
ERS #3280B121790 Emergency Contact: Chuck Prewitt (818) 768-3919 or (818) 842-4578

16.
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Charles F. Prewitt
Signature: Charles F. Prewitt
Month Day Year: 09 12 91

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MARK OWENS
Signature: Mark Owens
Month Day Year: 09 12 91

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: MATT GRIPP
Signature: Matt Gripp
Month Day Year: 09 17 91

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: DF BARGER
Signature: D. F. B.
Month Day Year: 09 12 91

GENERATOR
TRANSPORTER
FACILITY

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

0425 2358

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 112 91713
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 91012973
B. State Generator's ID: HAH 036006802

5. Transporter 1 Company Name: Great Western Chemical
6. US EPA ID Number: CAD 982467623
C. State Transporter's ID: 109824
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name: Great Western Chemical
8. US EPA ID Number: CAD 982467623
E. State Transporter's ID: 109814
F. Transporter's Phone: (818) 982-3114

9. Designated Facility Name and Site Address
Norris Environment Services
5215 So. Boyle Ave.
Los Angeles, Ca. 90058
10. US EPA ID Number: CAD 097030993
G. State Facility's ID: CAD097030993
H. Facility's Phone: (213) 588-7111

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Pyro Phosphate Copper Waste Acid liquid N.O.S. Corrosive material UN 1760	1	DF	55	G	State 792 EPA/Other D002, D006, D008
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
Pyro Phosphate Copper
Phrosphroic Acid
Pryo Brite Additive
Balance Water

K. Handling Codes for Wastes Listed Above
a. 15
b.
c.
d.

15. Special Handling Instructions and Additional Information
Contains copper at levels that may be toxic to fish, keep out of waterways, rivers etc. NES Profile #E1196AC7 Emergency Contact: Chuck Prewitt (818) 768-3919 or (818) 842-4578

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I hava determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Charles F. Prewitt	Charles F. Prewitt	09	12	91

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
MARK OWENS	MARK OWENS	09	12	91

18. Tranaporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
MATT GRIPP	MATT GRIPP	09	12	91

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
C. TABACON	C. Tabacon	09	17	91

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

91012973

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

0000 . 0098

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

91012974

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509
Manifest Document No.: 12974
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 91012974
B. State Generator's ID: HAHQ36006802

5. Transporter 1 Company Name: Great Western Chem. Co.
6. US EPA ID Number: CAD982467623
C. State Transporter's ID: ~~109824~~ 211503
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name: Great Western Chem. Co.
8. US EPA ID Number: CAD982467623
E. State Transporter's ID: ~~189814~~ 211505
F. Transporter's Phone: (818) 992-3114

9. Designated Facility Name and Site Address: So. Cal Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607
10. US EPA ID Number: CAD008488025
G. State Facility's ID: ISD CAD008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Alkaline Corrosive liquid, N.O.S. (Copper Ammonium Chloride) Corrosive Material, NA 1719	010	DF	550	G	State 132 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: (1) Water 57-62% (2) Cupric ammonium chloride 35-38% (3) Ammonium chloride 3-5% (4) Balance non toxic propritory mat. being returned to Mfg. for reclaimination. (Spent 9110 etchant)
SPENT C-9

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information: (1) Contains copper at levels that may be toxic to fish, keep out of rivers and waterways. (2) Wear gloves and eye protection will stain skin. Corrosive to metals. ERS #3853J071891
Emergency contact: Chuck Prewitt (818) 768-3919 or (818) 842-4578

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Charles F. Prewitt	Charles F. Prewitt	11 05 91

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
MATT GREPP	Matt Grepp	11 05 91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Danny Murphy	[signature]	11 07 91

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
D.F. Bangen	[signature]	11 07 91

GENERATOR / TRANSPORTER / FACILITY

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

~~0000 0000 1332 0004~~
0000 0000 0271 2111

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 12975
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 91012975
B. State Generator's ID: HAHQ 36006802

5. Transporter 1 Company Name: Great Western Chemc. Co.
6. US EPA ID Number: CAD982467623
C. State Transporter's ID: ~~109824~~ 211503
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name: Great Western Chemical
8. US EPA ID Number: CAD982467623
E. State Transporter's ID: 211505
F. Transporter's Phone: 982-3114

9. Designated Facility Name and Site Address
Norris Enviromental Ser.
5215 So. Boyle Ave.
Los Angeles, Ca. 90058
10. US EPA ID Number: CAD 097030993
G. State Facility's ID: CAD097030993
H. Facility's Phone: (213) 588-7111

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Chromic Acid Solution Corrosive Material UN 1755 Waste Chromic Acid	001	DF	00055	G	State 723,135 EPA/Other D002/D007
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
1. Chromic Acid 1-10%
2. Sodium Metabisulfite 6-8 oz/gal
3. Balance Water

K. Handling Codes for Wastes Listed Above
a. 15 b.
c. d.

15. Special Handling Instructions and Additional Information
Wear gloves and goggles, avoid runoff into streams and waterways. Incase of skin or eye contact flush with plenty of water. Profile #E1196CR5 Emergency contact Chuck Prewitt (818) 768-3919 or (818) 842-4578

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Charles F. Prewitt	Charles F. Prewitt	11	05	91

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
MATT GRIFF	Matt Griff	11	05	91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Danny Murphy	Danny Murphy	11	07	91

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Month	Day	Year
BI TIN VELASCO	Bi Tin Velasco	11	06	91

Do Not Write Below This Line

GENERATOR
TRANSPORTER
FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

91012975

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 12 9716
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone: (818) 768-3919

A. State Manifest Document Number: 91012976
B. State Generator's ID: HAHQ36006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD 982467623
C. State Transporter's ID: 211503
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name: Great Western Chemical Co.
8. US EPA ID Number: CAD 982467623
E. State Transporter's ID: 211503
F. Transporter's Phone: (818) 992-3114

9. Designated Facility Name and Site Address: So. Cal Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607
10. US EPA ID Number: CAD008488025
G. State Facility's ID: ISD CAD008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ. Waste Alkaline Corrosive Liquid, N.O.S. (Copper Ammonium Chloride) Corrosive Material, NA 1719	017	DF	018500	G	State 132 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: (1) Water 57-62% (2) Cupric ammonium chloride 35-38% (3) Ammonium chloride 3-5% (4) Balance non toxic propritory mat. being returned to Mfg. for reclaimination. (Spent 9110 etchant) SPENT C-9

K. Handling Codes for Wastes Listed Above
a. 01
b.
c.
d.

15. Special Handling Instructions and Additional Information: (1) Contains copper at levels that may be toxic to fish, keep out of rivers and waterways. (2) Wear gloves and eye protection will stain skin. Corrosive to metals. ERS #3853J071891
Emergency contact: Chuck Prewitt (818) 768-3919 or (818) 842-4578

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Charles F. Prewitt	Charles F. Prewitt	1	21	1991

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Danny Murphy GWCC.		1	21	1991

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Danny Murphy		1	21	1991

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
D.F. BALSER	D.F. Bs	1	22	1991

GENERATOR
TRANSPORTER
FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

91012976

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. Form designed for use on elite (12-pitch typewriter).

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 980892509 — Manifest Document No. 12977
2. Page 1 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 91012977
B. State Generator's ID: HAHQ36006802

5. Transporter 1 Company Name: Great Western Chemical
6. US EPA ID Number: CAD 982467623
C. State Transporter's ID: 211503
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name: Great Western Chemical
8. US EPA ID Number: CAD 982467623
E. State Transporter's ID: 211505
F. Transporter's Phone: (818) 982-3114

9. Designated Facility Name and Site Address: So. Cal Chemical Co.
8851 Dice Rd.
Santa Fe Springs, Ca. 90670
10. US EPA ID Number: CAD 008488025
G. State Facility's ID: ISD CAD 008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Oxidizer/Corrosive liquid NOS Oxidizer/Corrosive NA 9193 (Waste Sodium Persulfate)	~~00~~ 3	DF	~~00~~ 165	G	State 792 / EPA/Other D001/D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Contains-Sodium Persulfate, Copper Sulfate, Sulfuric Acid and Water
LCS —

K. Handling Codes for Wastes Listed Above
a. 01 b. c. d.

15. Special Handling Instructions and Additional Information
Wear rubber gloves and goggles. Keep out of rivers and waterways may be toxic.
ERS #3280B121790 Emergency Contact: Chuck Prewitt (818) 768-3919 or (818) 842-4578

16.
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Charles F. Prewitt — Signature: Charles F. Prewitt — Month Day Year: 12 18 91

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Danny Murphy GWCC. — Signature: [signature] — Month Day Year: 12 18 91

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Danny Murphy — Signature: [signature] — Month Day Year: 12 19 91

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: D F BARSEN — Signature: [signature] — Month Day Year: 12 19 91

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

91012977

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

~~0000 0000 1376 0094~~

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

91012978

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509
Manifest Document No.: 12978
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 91012978
B. State Generator's ID: HAHQ36006802

5. Transporter 1 Company Name: Great Western Chemical
6. US EPA ID Number: CAD982467628
C. State Transporter's ID: ~~109821~~ 211503
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name: Great Western Chemical
8. US EPA ID Number: CAD982467623
E. State Transporter's ID: 211505
F. Transporter's Phone: (818) 982-3114

9. Designated Facility Name and Site Address: Norris
5215 So. Boyle Ave.
L.A. Ca. 90058
10. US EPA ID Number: CAD097030993
G. State Facility's ID: CAD097030993
H. Facility's Phone: (213) 588-7111 X 533 Renie

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Corrosive liquid (Chromic Acid Solution) UN 1755	002	DF	00110	G	State 141/723/792; EPA/Other D002/D007, D006
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above: Chromic Acid, Sulfuric Acid And Balance Water.
BILL TO GWCC N. Hollywood RENA

K. Handling Codes for Wastes Listed Above: a. 15 b. c. d.

15. Special Handling Instructions and Additional Information: Wear gloves and Goggles, avoid runoff into streams and waterways. Incase of skin or eye contact flush with plentyof water. Profile ~~#E1814CRoGB~~ Emergency contact and number; Chuck Prewitt (818) 768-3919 or (818) 842-4578
E0119600001CR

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have mede a good faith effort to minimize my waste generation and select the beat waste management method that is available to me and that I can afford.

Printed/Typed Name: Charles Prewitt
Signature: Charles F. Prewitt
Month Day Year: 12 18 91

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Danny Murphy GWCC
Signature: [signature]
Month Day Year: 12 18 91

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Danny Murphy GWCC
Signature: [signature]
Month Day Year: 12 19 91

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: BI TIN VELASCO
Signature: Bi Tin Velasco
Month Day Year: 12 19 91

GENERATOR / TRANSPORTER / FACILITY

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type Form designed for use on elite (12-pitch typewriter).

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 12979
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 91012979
B. State Generator's ID: HAHQ36006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD 982467623
C. State Transporter's ID: 211505
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name: Great Western Chemical Co.
8. US EPA ID Number: CAD 982467623
E. State Transporter's ID: 211505
F. Transporter's Phone: (818) 982-3114

9. Designated Facility Name and Site Address
So. Cal Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607
10. US EPA ID Number: CAD008488025
G. State Facility's ID: TSD CAD008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Alkaline Corrosive Liquid, N.O.S. (Copper Ammonium Chloride) Corrosive Material, NA 1719	1	0 D F	5 5 0	G	State 132 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: (1)Water 57-62% (2)Cupric ammonium chloride 35-38% (3)Ammonium Chloride 3-5% (4)Balance non toxic propritory mat. being returned to mfg. for reclaimination. (Spent 9110 etchant) SPENT C-9

K. Handling Codes for Wastes Listed Above
a. 01 b. c. d.

15. Special Handling Instructions and Additional Information: (1)Contains copper at levels that may be toxic to fish, keep out of rivers and waterways. (2)Wear gloves and eye protection will will stain skin. Corrosive to metals. ERS #3853J071891
Emergency contact: Chuck Prewitt (818)768-3919 or (818) 842-4578

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Chatles F. Prewitt	Charles F. Prewitt	10	16	92

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
JUAN LOPEZ GWCC	Juan Lopez	10	16	92

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
MATT GROPP	Matt Gropp	10	26	92

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
D F BARGER	D F Barger	10	29	92

Do Not Write Below This Line

GENERATOR
TRANSPORTER
FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

91012979

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509 | Manifest Document No.: 12918 1 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 91012981
B. State Generator's ID: HAHQ36006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD ~~982467623~~ 983613688
C. State Transporter's ID: 21503
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name: Great Western Chemical Co.
8. US EPA ID Number: CAD ~~982467623~~ 983613688
E. State Transporter's ID: 21503
F. Transporter's Phone: (818) 982-3114

9. Designated Facility Name and Site Address: So. Cal Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607
10. US EPA ID Number: CAD008488025
G. State Facility's ID: ISD CAD008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Alkaline Corrosive Liquid, N.O.S. (Copper Ammonium Chloride) Corrosive Material, NA 1719	003	DF	00165	G	State 132 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: (1)Water 57-62%(2)Cupric ammonium chloride 35-38%(3)Ammonium Chloride 3-5% (4)Balance non toxic propritory mat. being returned to mfg. for reclaimination.(Spent 9110 etchant) C9

K. Handling Codes for Wastes Listed Above: a. 01 | b. | c. | d.

15. Special Handling Instructions and Additional Information: (1)Contains copper at levels that may be toxic to fish, keep out of rivers and waterways.(2)Wear gloves and eye protection will stain skin. Corrosive to metals. ERS #3853J071891
Emergency contact: Chuck Prewitt (818)768-3919 or (818) 842-4578

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Charles F. Prewitt	Charles F. Prewitt	10	31	92

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
MATT GRIPP	Matt Gripp	10	31	92

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
MARK OWENS	Mark Owens	03	31	92

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
D. F BARGER	D F B	03	31	92

Do Not Write Below This Line

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

0373.0128

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

91012981

GENERATOR

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

91012982

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 12982
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 91012982
B. State Generator's ID: HAHQ36006802

5. Transporter 1 Company Name: Great Western Chemical
6. US EPA ID Number: CAD ~~982467623~~ 983613688
C. State Transporter's ID: 211503
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name: Great Western Chemical
8. US EPA ID Number: CAD ~~982467623~~ 983613688
E. State Transporter's ID:
F. Transporter's Phone: (818) 982-3114

9. Designated Facility Name and Site Address: Norris Environment Services
5215 So. Boyle Ave.
Los Angeles, Ca. 90058
10. US EPA ID Number: CAD 097030993
G. State Facility's ID: ISD CAD ~~XXXXXXXX~~ 097030993
H. Facility's Phone: (213) ~~XXX-XXXX~~ 588-7111

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Oxidizer/Corrosive liquid N.O.S. Oxidizer/Corrosive NA 9193 (Waste Sodium Persulfate)	002	DF	110	G	State 792 / EPA/Other D001/D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Contains-Sodium Persulfate, Copper Sulfate, Sulfuric Acid and Water
BILL GWCC ARLOYA

K. Handling Codes for Wastes Listed Above
a. 01/15
b.
c.
d.

15. Special Handling Instructions and Additional Information
Wear rubber ~~XXXXX~~ gloves and goggles. Keep out of rivers and waterways may be toxic. ERS #E0119600103 Emergency Contact: Chuck Prewitt (818)768-3919 or (818)842-4578

16.
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Charles F. Prewitt
Signature: Charles F. Prewitt
Month Day Year: 03 27 92

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MATT GRIPP
Signature: Matt Gripp
Month Day Year: 03 27 92

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: BI TIN VELASCO
Signature: Bi Tin Velasco
Month Day Year: 03 31 92

GENERATOR / TRANSPORTER / FACILITY

DHS 8022 A
EPA 8700—22
(Rev. 8-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

0874 .0958

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 12983
2. Page 1: 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone: (818) 768-3919

A. State Manifest Document Number: 91012983
B. State Generator's ID: HAHQ36006802

5. Transporter 1 Company Name: Great Western Chemical
6. US EPA ID Number: CAD ~~982467623~~ 983613688
C. State Transporter's ID: 211503
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name: Great Western Chemical
8. US EPA ID Number: CAD ~~982467623~~ 983613688
E. State Transporter's ID: 211505
F. Transporter's Phone: (818) 982-3114

9. Designated Facility Name and Site Address: Norris Environment Services
5215 So. Boyle Ave.
Los Angeles, Ca. 90058
10. US EPA ID Number: CAD 097030993
G. State Facility's ID: ISD CAD097030993
H. Facility's Phone: (213) 588-7111

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Corrosive liquid NOS Corrosive Mat UN 1760 (contains lead & tin Fluoborates and Flouboric Acid)	001	DF	00055	G	State 724,792 EPA/Other D002/D008
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
(1) Tin Fluoborate 1-5% (2) Lead Flouborate 1-3% (3) Fluoboric Acid 30-60% (4) Bal Water and organic material
BILL GWCC ARLEIA

K. Handling Codes for Wastes Listed Above
a. 15
b.
c.
d.

15. Special Handling Instructions and Additional Information: Contains lead which is listed as extremely hazardous use gloves and eye protection avoid contact of any kind. NES Profile #E0119600102AC, EH #3-910429-02 (spent tin/lead plating bath) Emergency contact Chuck Prewitt (818) 768-3919, 842-4578

18.
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Charles F. Prewitt
Signature: Charles F. Prewitt
Month Day Year: 03 27 92

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MATT GRIPP
Signature: Matt Gripp
Month Day Year: 03 27 92

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: MARK OWENS
Signature: Mark Owens
Month Day Year: 03 31 92

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: BI TIN VELASCO
Signature: Bi Tin Velasco
Month Day Year: 03 31 92

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

91012983

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

0874.0959

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

91012984

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 12984
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818 768-3919

A. State Manifest Document Number: 91012984
B. State Generator's ID: HAHQ36006802

5. Transporter 1 Company Name: Great Western Chemical
6. US EPA ID Number: CAD983613688
C. State Transporter's ID: 211503
D. Transporter's Phone: (818) 982-3114

7. Transporter 2 Company Name: Great Western Chemical
8. US EPA ID Number: CAD983613688
E. State Transporter's ID: 211505
F. Transporter's Phone: (818) 982-3114

9. Designated Facility Name and Site Address: Norris Environmental Services
5215 So. Boule Ave.
Los Angeles, Ca. 90058
10. US EPA ID Number: CAD097030993
G. State Facility's ID: ISD CAD097030993
H. Facility's Phone: (213) 5887111

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Hazardous waste liquid N.O.S. ORM-E NA 9189 Contains Chromiun & lead (Waste solder stripper)	1	DF	55	G	State 132, 724; EPA/Other D007-D008
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
Contains approx. 36 PPM chromiun and .45% lead, bal water. Waste NPS 10/20

BILL GWCC ARIETA

K. Handling Codes for Wastes Listed Above
a. 15
b.
c.
d.

15. Special Handling Instructions and Additional Information: Contains lead which is listed as extremely hazardous, Use gloves and eye protection avoid contact of any kind
NES Profile ~~XXXXX~~ E0119600101AC (Spent tin/lead stripper)
Emergency contact Charles Prewitt (818)768-3919 or 842-4578

16.
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Charles Prewitt
Signature: Charles F. Prewitt
Month Day Year: 04 01 92

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JUAN LOPEZ GWCC
Signature: [signature]
Month Day Year: 04 01 92

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: MARK OWENS
Signature: [signature]
Month Day Year: 04 03 92

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: BI TIN VELASCO
Signature: Bi Tin Velasco
Month Day Year: 04 03 92

GENERATOR / TRANSPORTER / FACILITY

DHS 8022 A
EPA 8700—22
(Rev. 8-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

0445 .0195

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 12985
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 91012985
B. State Generator's ID: HAH 036006802

5. Transporter 1 Company Name: Great Western Chemical
6. US EPA ID Number: CAD ~~982467623~~ 983613688
C. State Transporter's ID: 211502
D. Transporter's Phone: (818) ~~982-3114~~ 771-0051

7. Transporter 2 Company Name: Great Western Chemical
8. US EPA ID Number: CAD ~~982467623~~ 983613688
E. State Transporter's ID: 211503
F. Transporter's Phone: (818) ~~982-3114~~ 771-0051

9. Designated Facility Name and Site Address: Norris Environment Services
5215 So. Boyle Ave.
Los Angeles, Ca. 90058
10. US EPA ID Number: CAD 097030993
G. State Facility's ID: ISD CAD097030993
H. Facility's Phone: (213) 588-7111

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Acid Copper Plating Solution. Corrosive liquid N.O.S. UN 1760 Authorization #9599	007	DF	00385	G	State 792 EPA/Other D002, D008
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Copper Sulfate 25%
Sulfuric Acid 10%
H.C.L. 50 PPM
Water 65%

K. Handling Codes for Wastes Listed Above
a. 01/15
b.
c.
d.

15. Special Handling Instructions and Additional Information
Contains copper at levels that may be toxic to fish, keep out of waterways, rivers etc. NES Profile ~~#E1196AC6~~ Emergency Contact: Chuck Prewitt (818)768-3919 or (818) 842-4578 BILL TO BWRC ARIETA

16.
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Charles F. Prewitt
Signature: Charles F. Prewitt
Month Day Year: 04 09 92

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MATT GRIPP
Signature: Matt Gripp
Month Day Year: 04 09 92

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: MARK OWENS
Signature: [signature]
Month Day Year: 04 14 92

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: BI TIN VELASCO
Signature: Bi Tin Velasco
Month Day Year: 04 14 92

GENERATOR / TRANSPORTER / FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

91012985

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

91012986

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 12986
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 91012986
B. State Generator's ID: HAH0036006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD983613688
C. State Transporter's ID: ~~CAD097030993~~ 211503
D. Transporter's Phone: (818) 771-0051

7. Transporter 2 Company Name: Great Western Chemical Co.
8. US EPA ID Number: CAD983613688
E. State Transporter's ID: 211505
F. Transporter's Phone: (818) 771-0051

9. Designated Facility Name and Site Address:
Norris Environmental Services
5215 So. Boyle Ave.
Los Angeles, Ca. 90058
10. US EPA ID Number: CAD 097030993
G. State Facility's ID: ISD CAD097030993
H. Facility's Phone: (213) 588-7111

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Acid Copper Plating Solution. Corrosive liquid N.O.S. UN 1760 Authorization #9599	006	DF	330	G	State 792 feb; EPA/Other D002, D008
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
Copper Sulfate 25%
Sulfuric Acid 10%
H.C.L. 50 ppm
Water 65%
Bill to Great Western Acheta

K. Handling Codes for Wastes Listed Above
a. 01/15
b.
c.
d.

15. Special Handling Instructions and Additional Information
Contains copper at levels that may be toxic to fish, keep out of waterways, rivers etc. NES Profile #E1196AC6 Emergency Contact: Thomas Garcy (818)768-3919 or (818)340-6493

16.
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Thomas M. Garcy	T M Garcy	06 09 92

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Kevin Beebe	Kevin Beebe	06 09 92

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
C. TABACCY	C B Tabacco	06 17 92

GENERATOR / TRANSPORTER / FACILITY

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 980892509
Manifest Document No.: 12918 7
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 91012987
B. State Generator's ID: HAHQ36006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD983613688
C. State Transporter's ID: CAD097030993 211503
D. Transporter's Phone: (818) 771-0051

7. Transporter 2 Company Name: Great Western Chemical Co.
8. US EPA ID Number: CAD983613688
E. State Transporter's ID: 211505
F. Transporter's Phone: (818) 771-0051

9. Designated Facility Name and Site Address
Norris Environment Services
5215 So. Boyle Ave.
Los Angeles, Ca. 90058
10. US EPA ID Number: CAD 097030993
G. State Facility's ID: ISD CAD [redacted]097030993
H. Facility's Phone: (213) 588-7111

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Oxidizer/Corrosive Liquid N.O.S. Oxidizer/Corrosive NA 9193 (Waste Sodium Persulfate)	001	DF	55	G	State 792 / EPA/Other D001/D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Contains-Sodium Persulfate, Copper Sulfate, Sulfuric Acid and Water

K. Handling Codes for Wastes Listed Above
a. 01/15 b. c. d.

Bill to Great Western Arleta

15. Special Handling Instructions and Additional Information
Wear rubber gloves and goggles. Keep out of rivers and waterways may be toxic.
ERS #E0119600103 Emergency Contact: Thomas Garcy (818) 768-3919 or (818) 340-6493

16.
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Thomas M. Garcy	Thomas M Garcy	06	09	92

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Kevin Beebe	Kevin Beebe	06	09	92

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
C. TABACON	C. Tabacon	06	12	92

GENERATOR
TRANSPORTER
FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

91012987

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

91012988

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509 — Manifest Document No.: 12988
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 91012988
B. State Generator's ID: HAHQ36006802

5. Transporter 1 Company Name: Great Western Chemcial Co.
6. US EPA ID Number: CAD ~~982467623~~ 983613688
C. State Transporter's ID: ~~211505~~ 211505
D. Transporter's Phone: (818) ~~982-3114~~ 7710061

7. Transporter 2 Company Name: Great Western Chemical Co.
8. US EPA ID Number: CAD ~~982467623~~
E. State Transporter's ID: ~~211505~~ 211505
F. Transporter's Phone: (818) 992-3114

9. Designated Facility Name and Site Address: So. Cal Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607
10. US EPA ID Number: CAD008488025
G. State Facility's ID: ISD CAD008488025
H. Facility's Phone: ~~(213)~~ 310 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste alkaline corrosive liquid, N.O.S. (copper Ammonium Chloride) Corrosive material, NA 1719	010	DF	00550	G	State 132; EPA/Other D002
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above: (1) Water 57-62% (2) Cupric ammonium chloride 35-38% (3) Ammonium chloride 3-5% (4) Balance non toxic propritory mat. being returned to mfg. for reclaimination. (Spent 9110 etchant) SPENT C-9

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information: (1) Contains copper at levels that may be toxic to fish, keep out of rivers and waterways. (2) Wear gloves and eye protection will stain skin. Corrosive to metals. ERS #3853J071891
Emergency contact: Tom Garcy (818) 768-3919 or (818) 340-6493

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy — Signature: T M Garcy — Month Day Year: 07 07 92

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Kevin Beebe — Signature: Kevin Beebe — Month Day Year: 07 07 92

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: D F BARGER — Signature: D F B — Month Day Year: 07 09 92

GENERATOR — TRANSPORTER — FACILITY

DHS 8022 A
EPA 8700--22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

0061.0194

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509 | Manifest Document No.: 12989 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 91012989
B. State Generator's ID: HAHQ36006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD983613688
C. State Transporter's ID: 211503
D. Transporter's Phone: (818) 771-0051

7. Transporter 2 Company Name: Great Western Chemcial Co.
8. US EPA ID Number: CAD983613688
E. State Transporter's ID: 211503
F. Transporter's Phone: (818) 771-0051

9. Designated Facility Name and Site Address: So. Cal Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607
213-698-8036
10. US EPA ID Number: CAD008488025
G. State Facility's ID: ISD CAD008488025
H. Facility's Phone: (213) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste alkaline corrosive liquid, N.O.S. (copper ammonium chloride) Corrosive material, NA 1719	014	DF	00605	G	State 132 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
(1)Water 57-62%(2)Cupric ammonium chloride 35-38%
(3)Ammonium chloride 3-5%(4)Balance non toxic propritory mat. being returned to mfg. for reclaimination. (spent 9110 etchant) Spent C-9

K. Handling Codes for Wastes Listed Above
a. 01 b. c. d.

15. Special Handling Instructions and Additional Information: (1)Contains copper at levels that may be toxic to fish, keep out of rivers and waterways. (2)Wear gloves and eye protection will stain skin. Corrosive to metals. ERS #45975071692
Emergency contact: Tom Garcy (818)768-3919 or (818)340-6493 ERG # 60

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Thomas M. Garcy	F.O.F. T.M.G.	10	18	92

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
MARK OLSEN		10	28	92

16. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
RAMIRO MARTINEZ		11	02	92

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

SENDS THIS COPY TO DOHS WITHIN 30 DAYS
P.O. Box 3000, Sacramento, CA 95812

GENERATOR
TRANSPORTER
FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

91012989

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. 980892509 CAD | Manifest Document No. 12990 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 91012990
B. State Generator's ID: HAHQ36006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD983613688
C. State Transporter's ID: 316030 316029
D. Transporter's Phone: (818) 771-0051

7. Transporter 2 Company Name: Great Western Chemical Co.
8. US EPA ID Number: CADX 983613688
E. State Transporter's ID:
F. Transporter's Phone: (818) 771-0051

9. Designated Facility Name and Site Address
So. Cal Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607
10. US EPA ID Number: CAD008488025
G. State Facility's ID: CAD008488025
H. Facility's Phone: (310) 698-8036

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. Waste Alkaline Corrosive Liquid, N.O.S. (Copper Ammonium Chloride) Corrosive Material, NA 1719	014	DF	07710	G.	State 132 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: (1)Water 57-62%(2)Cupric ammonium chloride 35-38%(3)Ammonium Chloride3-5% (4)Balance non toxic propritory mat.being returned to mfg. for reclaimination.(Spent 9110 etchant) Spent e-g

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information: (1)Contains copper at levels that may be toxic to fish, keep out of rivers and waterways.(2)Wear gloves and eye protection will stain skin.Corrosive to metals.ERS#45975/71692-CATMTRAC 1-800-424-9300 Emergency contact: Bob Baker (818)768-3919 or (818)348-4289

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
Thomas M. Garcy	Thomas M Garcy	10	13	93

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Roger Prior		10	13	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space
1. Generator's US EPA ID # CAD980892509

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Month	Day	Year
Atlee B. Benally	Atlee B. Benally	10	13	93

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line
0.0034.1237

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

91012990

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

92180956

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509
Manifest Document No.: 8 0 9 5 6
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818 768-3919

A. State Manifest Document Number: 92180956
B. State Generator's ID: HAHQ36006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: ~~CAD98362~~ CAD983613688
C. State Transporter's ID: 316030 [redacted]
D. Transporter's Phone: (818)771-0051

7. Transporter 2 Company Name: Great Western Chemical Co
8. US EPA ID Number: CAD983613688
E. State Transporter's ID:
F. Transporter's Phone: (818)771-0051

9. Designated Facility Name and Site Address: Norris Industries
5215 So. Boyle Ave.
Los Angeles, Ca. 90058
10. US EPA ID Number: CAD097030993
G. State Facility's ID: ~~CAD097030993~~ CAD097030993 Lep
H. Facility's Phone: (213)588-7111 X 533 Renie

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Waste Corrosive liquid N.O.S. (containing ~~XXX~~ Ferric Chloride) Corrosive material UN1760	003	DF	00165	G	State 132 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Ferric Chloride
Water

K. Handling Codes for Wastes Listed Above
a. 15
b.
c.
d.

15. Special Handling Instructions and Additional Information
Wear goggles & gloves and protection clothing Profile E0119600101 AC
24 Hr Emergency contact: Bob Baker (818)768-3919 or (818)348-4289
Emergency Guide # 60
Bill to GWC Arlita Ca

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy
Signature: [signature]
Month Day Year: 04 09 93

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: ROGELIO RIGOR
Signature: [signature]
Month Day Year: 04 09 93

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space: Item 11.a) Other toxic constituents present in waste, conc. > than RCRA limits. EPA - D008, D007.

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Juanito CHIU
Signature: Juanito Chiu
Month Day Year: 04 13 93

DO NOT WRITE BELOW THIS LINE.

0 0651 0239

DTSC 8022A (12/91)
EPA 8700—22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

92180957

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD980892509 — Manifest Document No. 80957 — 2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address: Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 92180957
B. State Generator's ID: HAHQ36006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD983613688
C. State Transporter's ID: 316030
D. Transporter's Phone: (818)771-0051

7. Transporter 2 Company Name: Great Western Chemical Co.
8. US EPA ID Number: CAD983613688
E. State Transporter's ID:
F. Transporter's Phone: (818)771-0051

9. Designated Facility Name and Site Address: Norris Industries
5215 So. Boyle Ave.
L.A. Ca. 90058
10. US EPA ID Number: CAD097030993
G. State Facility's ID: CAD097030993
H. Facility's Phone: (213)588-7111 X 533 Renie

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. R.Q. waste corrosive liquid N.O.S. (sodium bisulfite) Corrosive Material UN1760	004	DF	0220	G	State 792 / EPA/Other D002, D007
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Water
Sodium Bisulfite

K. Handling Codes for Wastes Listed Above
a. 15 b. c. d.

15. Special Handling Instructions and Additional Information
Wear goggles & gloves Profile #E0119600108CR
24 Hr Emergency contact: Bob Baker (818)768-3919 or (818)348-4289
Emergency Guide # 60
BILL TO: GWC AREA

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Thomas M. Garcy		04	07	93

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		04	07	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Juanito CHIU		04	13	93

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (12/91)
EPA 8700—22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

92180960

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509
Manifest Document No.: 8 0 9 6 0
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone ( )

A. State Manifest Document Number: 92180960
B. State Generator's ID: HAHQ36006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD983613688
C. State Transporter's ID: 316030 [redacted]
D. Transporter's Phone: (818) 771-0051

7. Transporter 2 Company Name: Great Western Chemical Co.
8. US EPA ID Number: CAD983613688
E. State Transporter's ID:
F. Transporter's Phone: (818) 771-0051

9. Designated Facility Name and Site Address: Norris Industries
5215 So. Boyle Ave.
Los Angeles, Ca. 90058
10. US EPA ID Number: CAD097030993
G. State Facility's ID: ~~CAD097030993~~ CAD097030993
H. Facility's Phone: (213) 588-7111 X 533 Renie

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. R.Q. Waste Oxidizer/Corrosive liquid N.O.S. Oxidizer/Corrosive NA 9193 (Waste Sodium Persulfate)	003	DF	00165	G	State 792 / EPA/Other D001/D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: Contains Sodium Persulfate, Copper Sulfate, Sulfuric Acid and Water

K. Handling Codes for Wastes Listed Above: a. 15 b. c. d.

15. Special Handling Instructions and Additional Information
Wear rubber gloves and goggles. Profile # E0119600103AC
24 hr Emergency contact: Bob Baker (818)768-3919 or (818)348-4289
Emergency Guide #[redacted] #45
Bill to G.W.C. Arlita

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Thomas M. Garcy	[signature]	04 09 93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
ROGELIO ROGOR	[signature]	04 09 93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
Juanito CHIU	Juanito Chiu	04 13 93

DO NOT WRITE BELOW THIS LINE.

0 0651 0240

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

DTSC 8022A (12/91)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

92180961

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509
Manifest Document No.: 8 0 9 6 1
2. Page 1: 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone: 818) 768-3919

A. State Manifest Document Number: 92180961
B. State Generator's ID: HAHQ36006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD983613688
C. State Transporter's ID: 316030 [redacted]
D. Transporter's Phone: (818) 771-0051

7. Transporter 2 Company Name: Great Western Chemical Co.
8. US EPA ID Number: CAD983613688
E. State Transporter's ID:
F. Transporter's Phone: (818) 771-0051

9. Designated Facility Name and Site Address: Norris Industries
5215 So. Boyle Ave.
Los Angeles, Ca. 90058
10. US EPA ID Number: CAD097030993
G. State Facility's ID: ~~CAD097030993~~ CAD097030993
H. Facility's Phone: (213) 588-7111 X 533 Renie

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. R.Q. Waste Acid Copper Plating Solution Corrosive Liquid N.O.S. UN1760	003	DF	00165	G	State 792 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Copper Sulfate 25%
Sulfuric Acid 10%
H.C.L. 50 PPM
Water 65%

K. Handling Codes for Wastes Listed Above
a. 15
b.
c.
d.

15. Special Handling Instructions and Additional Information
Contains copper at levels that may be toxic to fish keep out of waterways, rivers etc. Profile ~~#E1196AC6~~ 24 hr Emergency contact: Bob Baker (818)768-3919 or (818)348-4289
E0119600006 BILL TO: GWC - Arecta

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy
Signature: [signature]
Month Day Year: 04 09 93

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Rogelio Rigor
Signature: [signature]
Month Day Year: 04 09 93

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space: Item 4.a) Other toxic constituents present in waste, conc > then RCRA limit, EPA-D008.

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Juanito CHIU
Signature: Juanito Chiu
Month Day Year: 04 13 93

DO NOT WRITE BELOW THIS LINE.

0 0651 0230

DTSC 8022A (12/91)
EPA 8700—22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

92180962

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD980892509 | Manifest Document No. 80962 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address: Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 92180962
B. State Generator's ID: HAHQ36006802

5. Transporter 1 Company Name: Great Western Chemical Co.
6. US EPA ID Number: CAD983613688
C. State Transporter's ID: 316030
D. Transporter's Phone: (818) 771-0051

7. Transporter 2 Company Name: Great Western Chemical Co.
8. US EPA ID Number: CAD983613688
E. State Transporter's ID:
F. Transporter's Phone: (818) 771-0051

9. Designated Facility Name and Site Address: Norris Industries
5215 So. Boyle Ave.
Los Angeles, Ca. 90058
10. US EPA ID Number: CAD097030993
G. State Facility's ID: CAD097030993
H. Facility's Phone: (213) 588-7111 X 533 Renie

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. R.Q. Corrosive Liquid N.O.S. Corrosive Material UN1760(contains lead & tin Fluoborates & Flouboric Acid)	002	DF	00075	G	State 724,792 / EPA/Other D002/D008
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
(1)Tin Fluoborate 1-5% (2)Lead Flouborate 1-3% (3)Flouboric Acid 30-60% (4)Bal Water and organic material.

K. Handling Codes for Wastes Listed Above
a. 15 b. c. d.

15. Special Handling Instructions and Additional Information
Wear goggles & gloves Profile #E0119600102AC(spent tin/lead plating bath)
24 Hr Emergency contact: Bob Baker (818)768-3919 or (818)348-4289
Emergency Guide #60
BILL TO: G.W.C. Arbela

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Thomas M. Garcy		04	09	93

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
ROGELIO RIGOR		04	09	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Juanito CHIU		04	13	93

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (12/91)
EPA 8700—22

CA0853 0015

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

92180963

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509 | Manifest Document No.: 80963 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address: Accurate Engineering Corp.
8710 Telfair Ave.
Sun Valley, Ca. 91352
4. Generator's Phone: 818) 768-3[illegible]

A. State Manifest Document Number: 92180963
B. State Generator's ID: HAHQ36006802

5. Transporter 1 Company Name: Great Western Chemical Co. | 6. US EPA ID Number: CAD983613688
C. State Transporter's ID: 34030
D. Transporter's Phone: (818) 771-0051

7. Transporter 2 Company Name | 8. US EPA ID Number
E. State Transporter's ID:
F. Transporter's Phone: (818) 771-0051

9. Designated Facility Name and Site Address: So. Cal Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90607 | 10. US EPA ID Number: CAD008488025
G. State Facility's ID: CAD008488025
H. Facility's Phone: (310) 698-8036

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. R.Q. Waste Alkaline Corrosive liquid N.O.S. (Copper Ammonium Chloride) Corrosive Material, NA 1719	2 1 0	D F	2 2 5 5 0	G	State: 132 EPA/Other: D002
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

J. Additional Descriptions for Materials Listed Above: (1)Water 57-62%(2)Cupric ammonium chloride 35-38%(3)Ammonium Chloride3-5% (4)Balance non toxic propritory mat.being returned to mfg. for [illegible] reclaimination.(Spent 9110 etchant)

K. Handling Codes for Wastes Listed Above: a. 01 | b. | c. | d.

15. Special Handling Instructions and Additional Information: (1)Contains copper at levels that may be toxic to fish, keep out of rivers and waterways.(2)Wear gloves & eye protection will stain skin.Corrosive to metals. ERS [illegible] #4786J100692 Emergency Guide #60
Emergency contact: Bob Baker (818)768-3919 or (818)348-4289

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Thomas M. Garcy	Thomas M. Garcy	06	09	93

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
ROGELIO RIGOR	Rogelio Rigor	06	09	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
ROBERT KENYON	Robert Kenyon	06	10	93

DO NOT WRITE BELOW THIS LINE.

0106 0809

DTSC 8022A (12/91)
EPA 8700—22

White To: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS. P.O. Box 3000, Sacramento, CA 95812

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

92841450

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509
Manifest Document No.: 41450
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
Accurate Engineering Corp.
8710 Telfair Ave., Sun Valley, Ca. 91352
4. Generator's Phone (818 768-3919

A. State Manifest Document Number: 92841450
B. State Generator's ID: HAH036006802

5. Transporter 1 Company Name: Great Western Chemical
6. US EPA ID Number: CAD983613688
C. State Transporter's ID: 41956 2
D. Transporter's Phone: (818) 771-0051

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
Southern California Chemical
8851 Dice Rd.
Santa Fe Springs, Ca. 90670
10. US EPA ID Number: CAD008488025
G. State Facility's ID: CAD008488025
H. Facility's Phone: (310) 698-8036

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. RQ Waste, Corrosive liquid, n.o.s. 8, UN1760, PG III, (Cupric Chloride, Ammonium Chloride) ERG # 60	01	DF	00605	G	State 132 EPA/Other D002
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
11.a. Cupric Chloride 28-35%
Ammonium Chloride 3.1-5%
Water 61-85%
Spent C9

K. Handling Codes for Wastes Listed Above
a: 01
b:
c:
d:

15. Special Handling Instructions and Additional Information
11.a. Extremely corrosive to metal. Keep out of rivers, waterways.
Use protective clothing: Boots, gloves, goggles.
ERG #60 (attached). Emergency Contact number: (818) 768-3919 or (818) 348-4289
ERS #XXXXK #5714J072693. Etch 9110 Bob Baker

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Tom Garcy	Production Manager For Tom Garcy	11	30	93

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Pete Bueno	Pete Bueno	11	30	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Alonso F. Alatorre	Alonso F. Alatorre	12	02	93

DO NOT WRITE BELOW THIS LINE.

GENERATOR'S COPY White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

DTSC 8022A (7/92)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

92841451

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509 | Manifest Document No.: 41451 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
Accurate Engineering Corporation
8710 Telfair Ave., Sun Valley, Ca. 91352
4. Generator's Phone 818) 768-3919

A. State Manifest Document Number: 92841451
B. State Generator's ID: HAHQ36006802

5. Transporter 1 Company Name: Great Western Chemical
6. US EPA ID Number: CAD983613688
C. State Transporter's ID: 419562
D. Transporter's Phone: (818) 771-0051

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Norris Industries
5215 South Boyle Avenue
Los Angeles, Ca. 90058
10. US EPA ID Number: CAD097030993
G. State Facility's ID: ~~CAD097030993~~ CAD097030993
H. Facility's Phone: (213) 588-7111

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. RQ Waste, Oxidizing Substance, Liquid Corrosive, n.o.s., 5.1, UN 3098, PG 1, (Sodium Persulfate, Copper Sulfate)	002	D F	00110	G	State 792 / EPA/Other D001-D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Sodium Persulfate 13.17 % 02/GAL
Copper ~~Sulfate~~ 5.25 % 02/GAL
Sulfuric Acid 4.08 %
Water REMINDER %

K. Handling Codes for Wastes Listed Above
a. 15 b.
c. d.

15. Special Handling Instructions and Additional Information
11.a. Extremely corrosive to metal. Keep out of rivers and waterways. Use protective clothing:Boots, gloves, goggles. ERS#45 (attached).Profile #E0119600103 AC Emergency Contact:Bob Baker(818)768-3919 or (818)348-4289 Bill Gooch ARCHA

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Tom Garcy	Tom Garcy FOR TOM GARCY	11	30	93

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Pete Bueno	Pete Bueno	11	30	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Juanito Chris	Juanito Chris	12	02	93

DO NOT WRITE BELOW THIS LINE.

0-0530-1245

Mail: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

DTSC 8022A (7/92)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

92841453

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD980892509
Manifest Document No.: 41453
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Accurate Engineering Corp.
8710 Telfair Ave.,Sun Valley, Ca. 91352

4. Generator's Phone 818) 768-3919

A. State Manifest Document Number: 92841453
B. State Generator's ID: HAHQ36006802

5. Transporter 1 Company Name: Great Western Chemical
6. US EPA ID Number: CAD983613688
C. State Transporter's ID: 419560
D. Transporter's Phone: (818)771-0051

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Norris Industries
5215 South Boyle Avenue
Los Angeles, Ca. 90058
10. US EPA ID Number: CAD097030993
G. State Facility's ID: ~~CAD097030993~~ CAD097030993
H. Facility's Phone: (213)588-7111

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. RQ Waste, Corrosive Liquid, n.o.s., 8, UN1760, PG III, (Ferric Chloride, D008)	001	DF	00055	G	State 132 / EPA/Other D002
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Ferric Chloride NA %
Lead Hyproxide NA %
Water NA %

K. Handling Codes for Wastes Listed Above
a. 15
b.
c.
d.

15. Special Handling Instructions and Additional Information
(Bill to) GWCC ARIETA
11.a.Extremely corrosive to metal. Keep out of rivers and waterways.Use protective clothing:Boot,gloves,goggled. ERG #60(attached). Emergency Contact: Bob Baker(818)768-3919 or (818)348-4289.Profile#E0119600101.NC

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Thomas M. Garcy
Signature: S.F.B [signature]
Month Day Year: 01 20 94

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Rogelio Rigor
Signature: [signature]
Month Day Year: 01 20 94

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space: Item 11.a) Other toxic constituents present in waste. State-726; EPA-D007.

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Juanita Chiu
Signature: Juanita Chiu
Month Day Year: 01 25 95

DO NOT WRITE BELOW THIS LINE.

0 0235 0304

DTSC 8022A (7/92)
EPA 8700—22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

92841454

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD980892509 | Manifest Document No. 41454 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
Accurate Engineering Corporation
8710 Telfair Ave., Sun Valley, Ca. 91352

4. Generator's Phone (818) 768-3919

A. State Manifest Document Number: 92841454
B. State Generator's ID: HAHQ3600680Z

5. Transporter 1 Company Name: Great Western Chemical
6. US EPA ID Number: CAD983613688

C. State Transporter's ID: 4195.1
D. Transporter's Phone: (818) 771-0051

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID: 41957
F. Transporter's Phone:

9. Designated Facility Name and Site Address
PHIBRO-TECH
8851 Dice Rd.
Santa Fe Springs, Ca. 90670

10. US EPA ID Number: CAD008488025

G. State Facility's ID: CAD008488025
H. Facility's Phone: (310) 698-8036

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Waste, Corrosive liquid, n.o.s. 8, UN1760, PG III, (Cupric Chloride, Ammonium Chloride)	01	2DF	00660	G	State 132 EPA/Other D002
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
11.a. Cupric Chloride 0-35%
Ammonium Chloride 3-12%
Water 61-85%
SHIPT C-9

K. Handling Codes for Wastes Listed Above
01

15. Special Handling Instructions and Additional Information
11.a. Extremely corrosive to metal. Keep out of rivers, waterways.
Use protective clothing: Boots, gloves, goggles.
ERG#60 (attached). Emergency Contact number: (818)768-3919 or (818)348-4289
ERS #5714J072693. Etch 9110 Bob Baker

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
THOMAS GARCY	Jerry Padilla S.F. BY	05	23	94

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Pete Bueno	Pete Bueno	05	23	94

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
CURT DUCHETTE	Curt Duchette	05	24	94

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (7/92)
EPA 8700—22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

Department of Toxic Substances Control

Linda S. Adams
Secretary for
Environmental Protection

Maziar Movassaghi, Acting Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Arnold Schwarzenegger
Governor

Facility Search Results

Search Criteria:

Street: 8710 TELFAIR

Sorted By: EPAID.NAME

ID's Listed: 1

Address used in the search and displayed below is the Physical Address.

ID Number	Name	Address	Citv	Zip
CAD980892509	ACCURATE ENGINEERING CORP	8710 TELFAIR AVE	SUN VALLEY	913520000

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

California Waste Code By Year Matrix

ID Number: CAD980892509

Entity Type : GENERATOR

Weight (in Tons)

Ship Years

Calif. Code	Description	1993	1994	1995	1996	1997	1998
121	ALKALINE SOLUTION (PH>=12.5) W/ METALS						
132	AQ SOL WITH METALS(SMALLER THAN RESTRICTED LEVELS AND SEE 121)	11.4674	7.1097	8.2564	10.7793	12.2595	12.8642
135	UNSPECIFIED AQUEOUS SOLUTION (2 < PH < 12.5)			1.2600			11.3400
141	OFF-SPEC, AGED, OR SURPLUS INORGANICS						
181	OTHER INORGANIC SOLID WASTE						
331	OFF-SPEC, AGED, OR SURPLUS ORGANICS						
723	LIQUIDS WITH CHROMIUM (VI) >= 500 MG/L						0.9174
724	LIQUIDS WITH LEAD >= 500 MG/L	0.3127					0.9174
791	LIQUIDS W PH<=2					3.6695	
792	LIQUIDS W PH<=2 W METALS	2.7521		5.0455		8.7152	6.1923
	Grand Total	**14.5322**	**7.1097**	**14.5619**	**10.7793**	**24.6442**	**32.2313**

1999	2000	2001	2002	2003	2004	2005	2006	2007
0.2085								
13.3021	12.3846	9.8620	14.2197	12.6143	10.8837	12.3849	13.9904	11.6969
					1.0500	6.6360		
0.0834								
								1.2268
0.0396								
		10.4250			10.4250			
0.2293								
2.7313	1.3760	1.3761					22.1010	
16.5942	**13.7606**	**21.6631**	**14.2197**	**12.6143**	**22.3587**	**19.0209**	**36.0914**	**12.9237**

2008	2009	2010
7.1099	5.7338	4.5870
14.8386	13.4400	
0.5000		
22.4485	**19.1738**	**4.5870**

Linda S. Adams
Secretary for
Environmental Protection

Department of Toxic Substances Control

Maziar Movassaghi, Acting Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Arnold Schwarzenegger
Governor

EPA ID PROFILE

ID Number: CAD980892509 **Name :** ACCURATE ENGINEERING CORP

Status: ACTIVE **Inactive Date:** **Record Entered:** 11/14/1986 **Last Updated:** 12/28/2004

County: LOS ANGELES **NAICS:** 334412 **SIC:** 3672

	Name	Address	City	State	Zip Code	Phone
Location	ACCURATE ENGINEERING CORP	8710 TELFAIR AVE	SUN VALLEY	CA	913520000	
Mailing		8710 TELFAIR AVE	SUN VALLEY	CA	913522530	
Owner	RASHESH PATEL	8710 TELFAIR AVE	SUN VALLEY	CA	913522530	8187683919
Operator/ Contact	RASHESH PATEL PRESIDENT	8710 TELFAIR AVE	SUN VALLEY	CA	913522530	8187683919

Based ONLY upon ID Number **CAD980892509**

Calif. Manifests ?	Non Calif. Manifests ?	Transporter Registration ?
YES	NO	NO

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

Calif. Manifest Counts and Total Tonnage

Top line represents Manifest Count and Bottom line represents Total Tonnage

	GENERATOR
1993	10 14.5322
1994	4 7.1097
1995	14 14.5619
1996	7 10.7793
1997	18 24.6442
1998	15 32.2313
1999	17 16.5942
2000	12 13.7606
2001	8 21.6631
2002	6 14.2197
2003	5 12.6143
2004	7 22.3587
2005	10 19.0209
2006	7 36.0914
2007	8 12.9237
2008	6 22.4485

	GENERATOR
2009	4 19.1738
2010	3 4.5870

Non California Manifest Total Tonnage

Waste Code By Year By Entity Matrix Report (based on California Manifests only)

Calif.	Generator	Transporter 1	Transporter 2	TSDF	Alt. TSDF
RCRA	Generator	Transporter 1	Transporter 2	TSDF	Alt. TSDF

RCRA Waste Code By Year Matrix Report

ID Number: CAD980892509

Entity Type: GENERATOR

Weight (in Tons)

Ship Years

RCRA Code	Description	1993	1994	1995	1996	1997	1998
	Blank/Unknown			1.2600			11.3400
D001	Ignitable	1.1467					
D002	Corrosives	13.3855	7.1097	13.3019	10.7793	24.6442	19.5152
D004	Arsenic						1.3761
D006	Cadmium						
D007	Chromium						
D008	Lead						
	Grand Total	**14.5322**	**7.1097**	**14.5619**	**10.7793**	**24.6442**	**32.2313**

1999	2000	2001	2002	2003	2004	2005	2006
0.1230							
16.4712	**13.7606**	**11.2381**	**14.2197**	**12.6143**	**10.8837**	**12.3849**	**31.2750**
					1.0500		
		10.4250			**10.4250**	**6.6360**	
							4.8164
16.5942	**13.7606**	**21.6631**	**14.2197**	**12.6143**	**22.3587**	**19.0209**	**36.0914**

2007	2008	2009	2010
0.9053			
	1.3761	**5.7338**	**4.5870**
		13.4400	
12.0184	**21.0724**		
12.9237	**22.4485**	**19.1738**	**4.5870**

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

MEMORANDUM

DATE 1/31/90

TO: CHEM2

FROM: CDW

SUBJECT: T/C W/ MR GARCY
ACCURATE ENGINEERING CORP.

1) THIS IS A STILL NOT A DEGREASER.

2) EQUIPMENT IS USED TO RECYCLE 1-1-1 TRI- $C_2H_3Cl_3$
CHLOROETHANE AND TRICHLOROETHYLENE C_2HCl_3
NOT TRICHLOROTRIFLUOROETHANE.

1.9 psia 132 100 mHg

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	PAGES 3	PAGE 1
ENGINEERING DIVISION	APPL. NO. 221652	DATE 07/12/90
APPLICATION PROCESSING AND CALCULATIONS	PROCESSED BY HJ	CHECKED BY

NAME OF APPLICANTS
MAILING ADDRESS

Accurate Engineering
8710 Telfair Ave.
Sun Valley CA 91352

EQUIPMENT LOCATION

SAME

CONTACT PERSON'S NAME & PHONE NO.

Tom Garcy / (818)768-3919

Permit description

Application NO.220628

Distillation unit, BT Recycler, Model NO. BTR, 17"w., 24"L., 23"H., capacity 4.5 gallons, electrically heated, 110 V, with cooling fan condenser.

Background

This application was submitted for permit to operate the above existing distillation unit. This equipment has been used for recycling contaminated solvents such as 1,1,1 trichloroethane and trichloroethylene. During a telephone conversation with the applicant July 11, 1990 , he mentioned that 1,1,1 trichloroethane is the only material processed using the above equipment.

Process description

The applicant manufactures wiring boards. The above still is used for recycling contaminated solvents, 100% by weight 1,1,1 trichloroethane . Maximum of 4.5 gallons of contaminated solvent is recycled during the one hour process cycle. Emissions introduced during this process are minimal.

Emission calculation

Data:

Maximum capacity:	4.5 gallons
Number of batches	3 per week
Operating hours	1 hr/day
Maximum fill/day	4.5 gallons

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
Degreaser Information Sheet

IMPORTANT! Fill out this form completely and return with application (Form 400-A)

1 COMPANY NAME Accurate Engineering Corporation

EQUIPMENT ADDRESS 8710 Telfair Ave., Sun Valley, Ca. 91352

2 DEGREASER MANUFACTURER B T Associates Marketing

MODEL NO BTR SERIAL NO _____

TYPE [ ]CONVEYORIZED or [ ]BATCH, WITH PROGRAMMED HOIST? [ ] YES [ ] NO

[ ]COLD SOLVENT or [ ]VAPOR or [ ]OTHER _____

3 DIMENSIONS

A. INSIDE DIMENSIONS OF VAPOR TANK _____ W X _____ L

(WIDTH AND LENGTH ARE MEASURED AT DEGREASER TOP OPENING)

B OUTSIDE HEIGHT OF DEGREASER _____

4 SPRAY PUMP HP N/A

5 TRANSFER PUMP HP N/A

A. CONNECTED TO SOLVENT TANK? [X]NO [ ]YES, PERMIT NUMBER _____

B CONNECTED TO RECOVERY STILL? [ ]NO IF NO, SKIP TO QUESTION 6

[ ]YES

C SOLVENT RECOVERY STILL MFG BT Assoc. MODEL _____ SERIAL _____

OUTSIDE DIMENSIONS 17" W X 24" L X 23" H

D METHOD OF HEATING [ ]GAS _____ BTU/HR, [X]ELECTRIC 110 V [ ]STEAM

E THIS SOLVENT RECOVERY STILL SERVES ONLY THIS DEGREASER? [ ]YES [ ]NO

IF NO, ENTER PERMIT NUMBER This is for the present

6 METHOD OF HEATING DEGREASER

[ ]GAS _____ BTU/HR [ ]ELECTRIC _____ KW N/A

[ ]HEAT PUMP _____ HP [ ] STEAM

7. PRIMARY METHOD OF COOLING DEGREASER

[ ] REFRIGERATION _____ H P N/A

[ ] CHILLED WATER, INLET WATER TEMP _____ °F OUTLET WATER TEMP _____ °F

[ ] WATER, INLET WATER TEMP _____ °F OUTLET WATER TEMP _____ °F

8 TYPE OF SOLVENT

[ ] TRICHLOROTRIFLUOROETHANE WITH 100 % BY WEIGHT OTHER ORGANICS

[ ] 1-1-1 TRICHLOROETHANE WITH 100 % BY WEIGHT OTHER ORGANICS

[ ] OTHER, _____ (COPY OF MSDS ATTACHED)

9 QUANTITY OF SOLVENT LOSS (Do not include solvent removed for reclamation or disposal)

AVERAGE 10 [ ] GAL/DAY [X] GAL/MONTH [ ]55-GAL DRUM(S)/MONTH

MAXIMUM _____ [ ] GAL/DAY [ ] GAL/MONTH [ ]55-GAL DRUM(S)/MONTH

10 SECONDARY METHOD OF COOLING DEGREASER (IF ANY)

REFRIGERATED FREEBOARD CHILLER N/A

A. COMPRESSOR _____ H P

B [ ] ABOVE FREEZING or [ ] BELOW FREEZING

C TEMPERATURE OF REFRIGERANT IN FREEBOARD _____ °F

11 FREEBOARD HEIGHT _____ FT _____ IN N/A

COLD SOLVENT CLEANING TANKS - MEASURE FROM SOLVENT TO OPENING OF TANK

VAPOR DEGREASING TANKS - MEASURE FROM VAPOR TO OPENING OF TANK

12 OPERATING SCHEDULE 1 HOURS/DAY 5 DAYS/WEEK 50 WEEKS/YEAR

INSTALLATION DATE _____ EXPECTED COMPLETION DATE _____

SIGNATURE OF RESPONSIBLE PERSON NAME [signature] TITLE Gen Mgr.

TYPED Thomas M. Gercy DATE 1/25/90

Rev 12/5/88 Please see the attached sheets

Revised Form 400-C-6

Department of Toxic Substances Control

Edwin F. Lowry, Director
5796 Corporate Avenue
Cypress, California 90630

Winston H. Hickox
Secretary for
Environmental
Protection

Gray Davis
Governor

MAY 23 2000
FILE COPY

April 5, 2000 3249-1 Copy sent to [illegible]

Mr. Rashid Patel
Accurate Engineering Corporation
8710 Telfair Avenue
Sun Valley, California 91352
EPA ID No. CAD 980 892 509

SUMMARY OF VIOLATION

Dear Mr. Patel:

The Department of Toxic Substances Control (DTSC) is issuing this Summary of Violation (SOV) to Accurate Engineering Corporation located at 8710 Telfair Avenue, Sun Valley, California 91352, for the following violation:

Violation

Accurate Engineering Corporation violated Health and Safety Code, section 25200.14(b), and Title 22, California Code of Regulations (Cal. Code. Regs.), section 67450. 7 (a) (3), in that on January 1, 1997, Accurate Engineering Corporation failed to submit a Phase I Environmental Assessment (Phase I Checklist, DTSC Form 1151 - 9/95) to DTSC.

The Phase I Checklist was due to DTSC no later than January 1, 1997 for active or closed facilities under Permit By Rule (PBR) or Conditional Authorization (CA). The Phase I Checklist was mailed to these facilities on June 6, 1996 and June 12, 1996, respectively. A reminder letter was mailed on March 7, 1997 to those facilities that had not submitted a Phase I Checklist to DTSC.

Schedule of Compliance

A completed Phase I Checklist must be submitted within thirty (30) calendar days from receipt of this letter to:

Sonia S. Low
Section Chief
Southern California Branch
State Regulatory Programs Division
5796 Corporate Avenue
Cypress, California 90630

Enclosed is a Phase I Checklist (DTSC 1151 - 06/99) for your use. The issuance of this SOV does not preclude DTSC from taking administrative, civil, or criminal action as a result of the violation.

If the Phase I Checklist has been submitted to DTSC or if you have any questions regarding this letter, please contact Mr. Nebu John at (714) 484-5475.

Sincerely,

Sonia S. Low
Section Chief
Southern California Branch
State Regulatory Programs Division

Enclosure

cc: Mr. Patrick Engel
Battalion Chief
Los Angeles City Fire Department
200 North Main Street, City Hall East
Los Angeles, California 90012

CERTIFIED MAIL
Z 300 959 432
Return Receipt Requested

Department of Toxic Substances Control

Edwin F. Lowry, Director
5796 Corporate Avenue
Cypress, California 90630

Winston H. Hickox
Secretary for
Environmental
Protection

Gray Davis
Governor

June 28, 2000

3249-1

Mr. Rashesh Patel
Accurate Engineering Corporation
8710 Telfair Avenue
Sun Valley, California 91352
EPA ID No. CAD 980 892 509

IN THE MATTER OF: STIPULATION AND ORDER; ACCURATE ENGINEERING CORPORATION; DOCKET NO: SRPD 99/00 SNS-4046

Dear Mr. Patel:

Enclosed please find a copy of the signed Stipulation and Order (Order) concerning Accurate Engineering Corporation located at 8710 Telfair Avenue, Sun Valley, California 91352.

As indicated in the Order, Accurate Engineering Corporation shall pay the Department of Toxic Substances Control (DTSC) the penalty in the amount of $3,250.00, according to the payment schedule in section 7 of the Order. Please note that the Order became effective on March 26, 2000, the date it was signed by DTSC.

If you have any questions regarding this letter or Order, please call Mr. Nebu John, Hazardous Substances Scientist, at (714) 484 5475.

Sincerely,

Sonia S. Low
Section Chief
Southern California Branch
State Regulatory Programs Division

Enclosure

cc: See next page.

cc: Mr. Michael Shepard (with enclosure)
Department of Toxic Substances Control
Office of Legal Counsel
400 P Street, 4th floor
P.O. Box 806
Mail Station Code HQ-10
Sacramento, California 95812-0806

Mr. Patrick Engel (with enclosure)
Battalion Chief
Los Angeles City Fire Department
200 North Main Street, City Hall East,
Los Angeles, California 90012

Ms. Ashley Chan Nubla (with enclosure)
Hazardous Waste Management Program/Headquarters
State Regulatory Programs Division
Department of Toxic Substances Control
400 P Street, 4th floor
P.O. Box 806
Mail Station Code HQ-10
Sacramento, California 95812-0806

Department of Toxic Substances Control (with enclosure)
Accounting, Mail Stop HQ-1
400 P Street, 4th floor
P.O. Box 806
Sacramento, California 95812-0806

Mr. Stephen Lavinger, Chief (with enclosure)
Southern California Branch
State Regulatory Programs Division
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, California 93060

CERTIFIED MAIL
Z 300 959 480
Return Receipt Requested

STATE OF CALIFORNIA
ENVIRONMENTAL PROTECTION AGENCY
DEPARTMENT OF TOXIC SUBSTANCES CONTROL

IN THE MATTER OF: Accurate Engineering Corp. 8710 Telfair Avenue Sun Valley, California 91352 EPA ID CAD 980 892 509 Accurate Engineering Corp. Respondent.	Docket No: SRPD 99/00 SNS-4046 STIPULATION AND ORDER Health and Safety Code Section 25187

INTRODUCTION

The State Department of Toxic Substances Control (Department) and Accurate Engineering Corp. enter into this Stipulation and Order (Order) and agree as follows:

1. A dispute exists regarding the draft Enforcement Order (Docket No SRPD 99/00 SNS-4046) issued by the Department on May 12, 2000.

2. The parties wish to avoid the expense of further litigation and to ensure prompt action to achieve the Schedule for Compliance below.

3. Jurisdiction exists pursuant to Health and Safety Code (HSC) section 25187.

4. Respondent waives any right to a hearing in this matter.

5.1. Based on the available facility information, the

COURT PAPER
STATE OF CALIFORNIA
STD. 113 (REV. 8-72)

85 34769

Respondent's Tiered Permitting Phase I Environmental Checklist (Checklist) concludes that their facility requires no further investigation at this time.

5.2. This Order shall constitute full settlement of the violations alleged in the draft Enforcement Order, but does not limit the Department from taking appropriate enforcement action concerning other violations.

SCHEDULE FOR COMPLIANCE

6. Respondent did comply with the following:

6.1. Respondent submitted to the Department a completed Checklist (DTSC Form # 1151) as specified in HSC section 25200.14 (b) on April 25, 2000.

6.2. Submittals: All submittals from Respondent pursuant to this Order shall be sent to:

Sonia S. Low, Section Chief
Southern California Branch
State Regulatory Programs Division
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, California 90630-4700

6.3. Communications: All approvals and decisions of the Department made regarding such submittals and notifications shall be communicated to Respondent in writing by Ms. Sonia S. Low, Section Chief, Department of Toxic Substances Control, or her designee. No informal advice, guidance, suggestions, or comments by the Department regarding reports, plans,

COURT PAPER
STATE OF CALIFORNIA
STD. 113 (REV. 8-72)

85 34769

specifications, schedules, or any other writings by Respondent shall be construed to relieve Respondent of its obligation to obtain such formal approvals as may be required.

6.4. Department Review and Approval: If the Department determines that any report, plan, schedule, or other document submitted for approval pursuant to this Order fails to comply with the Order or fails to protect public health or safety or the environment, the Department may:

a. Modify the document as deemed necessary and approve the document as modified; or

b. Return the document to Respondent with recommended changes and a date by which Respondent must submit to the Department a revised document incorporating the recommended changes.

6.5. Compliance with Applicable Laws: Respondent shall carry out this Order in compliance with all local, State, and federal requirements, including but not limited to requirements to obtain permits and to assure worker safety.

6.6. Endangerment during Implementation: In the event that the Department determines that any circumstances or activity (whether or not pursued in compliance with this Order) are creating an imminent or substantial endangerment to the health or welfare of people on the site or in the surrounding area or to the environment, the Department may order Respondent to stop further implementation for such period of time as needed to abate the endangerment. Any deadline in this Order directly affected

COURT PAPER
STATE OF CALIFORNIA
STD. 113 (REV. 8-72)

85 34769

by a Stop Work Order under this section shall be extended for the term of such Stop Work Order.

6.7. Liability: Nothing in this Order shall constitute or be construed as a satisfaction or release from liability for any conditions or claims arising as a result of past, current, or future operations of Respondent, except as provided in this Order. Notwithstanding compliance with the terms of this Order, Respondent may be required to take further actions as are necessary to protect public health or welfare or the environment.

6.8. Government Liabilities: The State of California shall not be liable for injuries or damages to persons or property resulting from acts or omissions by Respondent or related parties specified in paragraph 6.14 in carrying out activities pursuant to this Order, nor shall the State of California be held as a party to any contract entered into by Respondent or its agents in carrying out activities pursuant to this Order.

6.9. Additional Enforcement Actions: By agreeing to this Order, the Department does not waive the right to take further enforcement actions, except to the extent provided in this Order.

6.10. Incorporation of Plans and Reports: All plans, schedules, and reports that require Department approval and are submitted by Respondent pursuant to this Order are incorporated in this Order upon approval by the Department.

COURT PAPER
STATE OF CALIFORNIA
STD. 113 (REV. 8-72)

85 34769

6.11. Extension Requests: If Respondent is unable to perform any activity or submit any document within the time required under this Order, the Respondent may, prior to expiration of the time, request an extension of time in writing. The extension request shall include a justification for the delay.

6.12. Extension Approvals: If the Department determines that good cause exists for an extension, it will grant the request and specify in writing a new compliance schedule.

6.13. Penalties for Noncompliance: Failure to comply with the terms of this Order may subject Respondent to civil penalties and/or punitive damages for any costs incurred by the Department or other government agencies as a result of such failure, as provided by HSC section 25188 and other applicable provisions of law.

6.14. Parties Bound: This Order shall apply to and be binding upon Respondent and its officers, directors, agents, receivers, trustees, employees, contractors, consultants, successors, and assignees, including but not limited to individuals, partners, and subsidiary and parent corporations, and upon the Department and any successor agency that may have responsibility for and jurisdiction over the subject matter of this Order.

PAYMENTS

7. Respondent shall pay the Department a total of

COURT PAPER
STATE OF CALIFORNIA
STD. 113 (REV. 8-72)

85 34769

$3,250.00, of which $2,000.00 is a penalty and $1,250.00 is reimbursement of the Department's costs. Payment shall be made on the following schedule:

$ 270.84 by August 1, 2000

$ 270.84 by September 1, 2000

$ 270.84 by October 1, 2000

$ 270.84 by November 1, 2000

$ 270.84 by December 1, 2000

$ 270.84 by January 1, 2001

$ 270.84 by February 1, 2001

$ 270.84 by March 1, 2001

$ 270.84 by April 1, 2001

$ 270.84 by May 1, 2001

$ 270.84 by June 1, 2001

$ 270.76 by July 1, 2001

Respondent's check shall be made payable to Department of Toxic Substances Control, and shall identify the Respondent and Docket Number, as shown in the heading of this case. Respondent shall deliver the penalty payment to:

Department of Toxic Substances Control
Accounting Office
400 P Street, 4th Floor
P. O. Box 806
Sacramento, California 95812-0806

A photocopy of the check shall be sent to:

Sonia S. Low, Section Chief
State Regulatory Programs Division
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, California 90630-4700

COURT PAPER
STATE OF CALIFORNIA
STD. 113 (REV. 8-72)

85 34769

If Respondent fails to make payment as provided above, Respondent agrees to pay interest at the rate established pursuant to HSC section 25360.1 and to pay all costs incurred by the Department in pursuing collection including attorney's fees.

EFFECTIVE DATE

8. The effective date of this Order is the date it is signed by the Department.

INTEGRATION

9. This agreement constitutes the entire agreement between the parties and may not be amended, supplemented, or modified, except as provided in this agreement.

Dated: 6/21/2000

Signature of Respondent's Representative

Dated: 6/21/2000

Rashesh Patel, President
Typed or Printed Name and Title of Respondent's Representative

Dated: 6/26/00

Sonia S. Low
Section Chief
Southern California Branch
State Regulatory Programs Division

COURT PAPER
STATE OF CALIFORNIA
STD. 113 (REV. 8-72)

85 34769

PAYMENT VOUCHER

Docket No.: SRPD 99/00 SNS-4046

Respondent: Accurate Engineering Corporation.

Address: 8710 Telfair Avenue
Sun Valley, California 91352

EPA ID NO.: CAD 980 892 509

County: Los Angeles

Penalty: $2,000.00

Administrative Cost: $1,250.00

Total Amount Due: $3,250.00

No.	Payment Date	Payment Amount	Interest Rate/Year	Balance
01	Aug. 1, 2000	$ 270.84	0.000	$ 2,979.16
02	Sep. 1, 2000	$ 270.84	0.000	$ 2,708.32
03	Oct. 1, 2000	$ 270.84	0.000	$ 2,437.48
04	Nov. 1, 2000	$ 270.84	0.000	$ 2,166.64
05	Dec. 1, 2000	$ 270.84	0.000	$ 1,895.80
06	Jan. 1, 2001	$ 270.84	0.000	$ 1,624.96
07	Feb. 1, 2001	$ 270.84	0.000	$ 1,354.12
08	Mar. 1, 2001	$ 270.84	0.000	$ 1,083.28
09	Apr. 1, 2001	$ 270.84	0.000	$ 812.44
10	May 1, 2001	$ 270.84	0.000	$ 541.60
11	Jun. 1, 2001	$ 270.84	0.000	$ 270.76
12	Jul. 1, 2001	$ 270.76	0.000	0.000

COURT PAPER
STATE OF CALIFORNIA
STD. 113 (REV. 8-72)

85 34789

Department of Toxic Substances Control

Edwin F. Lowry, Director
5796 Corporate Avenue
Cypress, California 90630

Winston H. Hickox
Secretary for
Environmental
Protection

Gray Davis
Governor

MAY 23 2000

FILE COPY

May 12, 2000

Mr. Rashid Patel
Accurate Engineering Corporation
8710 Telfair Avenue
Sun Valley, California 91352
EPA ID No. CAD 980 892 509

IN THE MATTER OF: ENFORCEMENT ORDER; ACCURATE ENGINEERING CORPORATION; DOCKET NO. SRPD 99/00 SNS-4046

Dear Mr. Patel:

Enclosed please find a draft Enforcement Order (Order) for your review and comment. This Order is being issued to Accurate Engineering Corporation, located at 8710 Telfair Avenue, Sun Valley, California 91352, because a completed Phase I Environmental Assessment (Checklist) was not received by the Department of Toxic Substances Control (DTSC) as stated in the Summary of Violation (SOV) dated April 5, 2000. The Checklist as required by California Health and Safety Code, section 25200.14(b) and Title 22, California Code of Regulations (Cal. Code. Regs.), section 67450. 7(a) (3), was due to DTSC by January 1, 1997. The Checklist was originally mailed out to all active Permit By Rule (PBR) and Conditionally Authorized (CA) facilities on June 6, 1996 and to all closed PBR and CA facilities on June 12, 1996. A reminder letter was mailed out on March 7, 1997, to those facilities that had not submitted the Checklist to DTSC.

An informal conference for you to discuss and attempt to resolve this matter with DTSC has been scheduled for May 24, 2000. Please contact Mr. Nebu John at (714) 484-5475 at least three (3) working days in advance to confirm this appointment, or the appointment will be canceled. DTSC will then issue this Order as it is written. Whether or not you choose to attend the informal conference, you will have a right to a hearing once the Order has been issued.

Please contact Mr. Nebu John at (714) 484-5475 if you have any questions regarding this letter or the enclosed Order.

Sincerely,

Sonia S. Low
Section Chief
Southern California Branch
State Regulatory Programs Division

Enclosures

CERTIFIED MAIL
Z 300 959 454
Return Receipt Requested

cc: Mr. Patrick Engel
Battalion Chief
Los Angeles City Fire Department
200 North Main Street, City Hall East
Los Angeles, California 90012

PORT NO: IHMSR500
N DATE : 04/08/1998

HAZARDOUS MATERIALS SYSTEM
BP-8: COMPUTER LISTING OF INVENTORY SUBMITTED
INSPECTION RESPONSIBILITY: VALLEY INDUSTRIAL

7/14/98

PAGE : 1
BUSINESS #: 003249-1
FIRST IN : 77
BLOCK # : 099

S NAME : ACCURATE ENGINEERING CORP
S OWNER : ACCURATE ENGINEERING CORP
I-SITE MANAGER : ROBERT BAKER
ERG CONTACT : ROBERT H BAKER
T EMERG CONTACT:

ADDR: 08710 N TELFAIR AV
PH #: 818-348-4289
PH #: 818-348-4289
PH #: - -

BUS PLN REVW: 02/18/1997 INV VERIFIED: 09/02/1997
SIC CODE : 3672
NO OF EMPLOYEES : 20
SQ FT OF FACILITY : 10,000

Q	EXT HAZ	MATERIAL DESCRIPTION / INGREDIENTS	WSI MAX%	MAXIMUM QUANTITY AT ANY TIME / CAS NO.	STORAGE TYPES	HEALTH & PHYS HAZ	ST	HAZARD CLASS
CATION: TRAILER		LAFD#: 040305-001-0 NFPA-704: 3-3-2--W-						PRODUCTS: 3
4		ULTRA BRIGHT 9226		55.00 GA	DRUMS, CARBOYS	CHRONIC	L	CORROSIVE MAT
		* HYDROCHLORIC ACID	10%	7647-01-0				
		THIOUREA	3%	62-56-6				
5		METEX ETCHANT 9110		55.00 GA	DRUMS, CARBOYS	CHRONIC	L	CORROSIVE MAT
		AMMONIUM HYDROXIDE	40%	1336-21-6				
1		1,1,1-TRICHLOROETHANE		55.00 GA	DRUMS, CARBOYS	CHRONIC	L	OTHER REG MATERIAL
		1,1,1-TRICHLOROETHANE	96%	71-55-6				
		CYCLIC ETHER	3%					
CATION: ETCHING /RM		LAFD#: 040305-002-0 NFPA-704:						PRODUCTS: 1
1		METEX ETCHANT 9110		110.00 GA	DRUMS, CARBOYS	CHRONIC	L	CORROSIVE MAT
		AMMONIUM HYDROXIDE	40%	1336-21-6				
CATION: PLATING /RM		LAFD#: 040305-003-0 NFPA-704:						PRODUCTS: 6
2		SELECT STRIP		55.00 GA	DRUMS, CARBOYS	CHRONIC	L	CORROSIVE MAT
		AMMONIUM HYDROGEN FLUORIDE	20%	1341-49-7				
		HYDROGEN PEROXIDE	8%	7722-84-1				
7		SOLDER PLATING 1	YES	85.00 GA	ABOVEGROUND TANK	ACUTE CHRONIC	L	CORROSIVE MAT
		FLUOBORIC ACID	32%	16872-11-0				
		STANNOUS FLUOBORATE SOLUTION	3%	13814-97-6				
		LEAD FLUOBORATE	2%	13814-96-5				
		WATER	0%	7732-18-5				

NC

File 4/8/98

MY SIGNATURE INDICATES THAT I HAVE VERIFIED AND AGREED WITH THE TYPES AND QUANTITIES OF HAZARDOUS MATERIALS AT THIS ADDRESS

NSP SIG: [signature] INSP DATE: 3/3/99 BUS REP SIG: [signature] DATE: 3/3/99 DE SIG: _____ DATE: _____

BUS NAME : ACCURATE ENGINEERING CORP
BUS OWNER : ACCURATE ENGINEERING CORP
ON-SITE MANAGER : ROBERT BAKER
EMERG CONTACT : ROBERT H BAKER
ALT EMERG CONTACT:

ADDR: 08710 N TELFAIR AV
PH #: 818-348-4289
PH #: 818-348-4289
PH #: - -

BUS PLN REVW: 02/18/1997 INV VERIFIED: 09/02/19
SIC CODE : 3672
NO OF EMPLOYEES : 20
SQ FT OF FACILITY : 10,000

SEQ	EXT HAZ	MATERIAL DESCRIPTION / INGREDIENTS	WST	MAXIMUM QUANTITY AT ANY TIME MAX%	CAS NO.	STORAGE TYPES	HEALTH & PHYS HAZ	ST	HAZARD CLASS
LOCATION: PARKING LOT /OA		LAFD#: 040305-005-0 NFPA-704:							PRODUCTS: 2
1		SPENT 9110 (WASTE)	YES		220.00 GA	DRUMS, CARBOYS	CHRONIC	L	IRRITANTS
		CUPRIC AMMONIUM CHLORIDE		35%					
		AMMONIUM CHLORIDE		5%	12125-02-9				
		COPPER		10%	7440-50-8				
		WATER		0%	7732-18-5				
		CUPRIC CHLORIDE		0%	1344-67-8				
2		ACID COPPER PLATING SOLUTION (WASTE)	YES		110.00 GA	DRUMS, CARBOYS	CHRONIC	L	IRRITANTS
		COPPER SULFATE		38%	7758-98-7				
		* SULFURIC ACID		5%	7664-93-9				
		* HYDROCHLORIC ACID		1%	7647-01-0				
		WATER		56%	7732-18-5				

MY SIGNATURE INDICATES THAT I HAVE VERIFIED AND AGREED WITH THE TYPES AND QUANTITIES OF HAZARDOUS MATERIALS AT THIS ADDRESS

INSP SIG:_____ INSP DATE:_____ BUS REP SIG:_____ DATE:_____ DE SIG:_____ DATE:_____

HAZARDOUS MATERIALS INFORMATION FORM (HMIF)

ADDRESS: 8760 Telfair BUSINESS #: 003249 - 1

INSPECTION ACTION

- ☐ 1. NEW HAZARDOUS MATERIALS BUSINESS ENTER BUSINESS
- ☐ 2. BUSINESS CLOSED (APPEARS TO STILL BE IN OPERATION)
- ☐ 3. BUSINESS NO LONGER A FIRE STATION GENERAL OCCUPANCY (STATE REASON IN COMMENTS; FORWARD A F-44 TO FPB)
- ☒ 4. GENERAL INFORMATION CHANGE (ENTER CHANGES ON BP-8)
- ☐ 5. MINOR CHANGES TO INVENTORY (ENTER CHANGES ON BP-8 USING CODES ON REVERSE OF THIS FORM)
- ☐ 6. MAJOR CHANGES TO INVENTORY (AMENDMENT WILL BE MAILED TO OWNER)
- ☐ 7. BUSINESS NO LONGER CONTAINS HAZARDOUS MATERIALS
- ☐ 8. BUSINESS OWNERSHIP CHANGES (ENTER BUSINESS INFORMATION BELOW)
- ☐ 9. OUT OF BUSINESS
- ☐ 10. NO CHANGES
- ☐ 11. NEEDS BUSINESS PLAN REVIEW (EVERY 3 YEARS)

COMMENTS:

PERSON CONTACTED:

NEW HAZARDOUS MATERIALS BUSINESS INFORMATION

BUSINESS NAME: Accurate Engineering

BUSINESS ADDRESS:

MAILING ADDRESS (IF DIFFERENT FROM ABOVE): BUSINESS PHONE:

BUSINESS OWNER NAME: BUSINESS OWNER PHONE:

ON-SITE MANAGER NAME: Hiten Golakiya MANAGER PHONE: 818 · 768 · 3919

PROPERTY OWNER NAME: PROPERTY OWNER PHONE:

FORWARDED BY: Karimah ASSIGNMENT: NCU DATE: 9.2.97

FOR OFFICE USE ONLY: BUSINESS #: LAFD # DS 4-8-98

REPORT NO: IHMSR500
RUN DATE : 03/17/1997

HAZARDOUS MATERIALS SYSTEM
BP-8: COMPUTER LISTING OF INVENTORY SUBMITTED
INSPECTION RESPONSIBILITY: VALLEY INDUSTRIAL

BUSINESS #: 003249-1
FIRST IN : 77
BLOCK # :

BUS NAME : ACCURATE ENGINEERING CORP HITEN GOLAKIYA ? ADDR: 08710 N TELFAIR AV
BUS OWNER : ~~THOMAS H GRACY/ROBERT H BAKER~~ RUSH PATEL
ON-SITE MANAGER : ~~THOMAS H GRACY~~ ROBERT BAKER PH #: 818-768-3919
EMERG CONTACT : ~~ROBERT H BAKER~~ HITEN GOLAKIYA PH #:
ALT EMERG CONTACT : ~~CHUCK PREWITT~~ PH #:

BUS PLN REVW: 02/18/1997 INV VERIFIED: 10/28/199?
SIC CODE : 3672
NO OF EMPLOYEES : ~~19~~ 20
SQ FT OF FACILITY : 10,000

SEQ	EXT HAZ	MATERIAL DESCRIPTION / INGREDIENTS	WST	MAXIMUM QUANTITY AT ANY TIME	STORAGE TYPES	HEALTH & PHYS HAZ	ST	HAZARD CLASS
			MAX%	CAS NO.				
LOCATION: TRAILER		LAFD#: 040305-001-0 NFPA-704: 3-3-2--W-						PRODUCTS: 3
4		ULTRA BRIGHT 9226		55.00 GA	DRUMS, CARBOYS	CHRONIC	L	CORROSIVE MAT
		* HYDROCHLORIC ACID ✓	10%	7647-01-0				
		THIOUREA	3%	62-56-6				
5		METEX ETCHANT 9110 ✓		55.00 GA	DRUMS, CARBOYS	CHRONIC	L	CORROSIVE MAT
		AMMONIUM HYOROXIDE	40%	1336-21-6				
1		1,1,1-TRICHLOROETHANE		55.00 GA	DRUMS, CARBOYS	CHRONIC	L	OTHER REG MATERIAL
		1,1,1-TRICHLOROETHANE	96%	71-55-6				
		CYCLIC ETHER	3%					
LOCATION: ETCHING /RH		LAFD#: 040305-002-0 NFPA-704:						PRODUCTS: 1
1		METEX ETCHANT 9110		110.00 GA	DRUMS, CARBOYS	CHRONIC	L	CORROSIVE MAT
		AMMONIUM HYDROXIDE	40%	1336-21-6				
LOCATION: PLATING /RH		LAFD#: 040305-003-0 NFPA-704:						PRODUCTS: 6
2		SELECT STRIP		55.00 GA	DRUMS, CARBOYS	CHRONIC	L	CORROSIVE MAT
		AMMONIUM HYDROGEN FLUORIDE	20%	1341-49-7				
		HYDROGEN PEROXIDE	8%	7722-84-1				
7		SOLDER PLATING 1	YES	85.00 GA	ABOVEGROUND TANK	ACUTE	L	CORROSIVE MAT
		FLUOBORIC ACID	32%	16872-11-0		CHRONIC		
		STANNOUS FLUOBORATE SOLUTION	3%	13814-97-6				
		LEAD FLUOBORATE	2%	13814-96-5				
		WATER	0%	7732-18-5				

MY SIGNATURE INDICATES THAT I HAVE VERIFIED AND AGREED WITH THE TYPES AND QUANTITIES OF HAZARDOUS MATERIALS AT THIS ADDRESS

INSP SIG: _____ INSP DATE: 8-29-97 BUS REP SIG: _____ DATE: 8.29.97 DE SIG: DS DATE: 4-8-97

BUS NAME : ACCURATE ENGINEERING CORP
BUS OWNER : THOMAS M GRACY/ROBERT H BAKER
ON-SITE MANAGER : THOMAS M GRACY
EMERG CONTACT : ROBERT H BAKER
ALT EMERG CONTACT: CHUCK PREWITT

ADDR: 08710 N TELFAIR AV
PH #: 818-768-3919
PH #:
PH #:

BUS PLN REVW: 02/18/1997 INV VERIFIED: 10/28/1992
SIC CODE : 3672
NO OF EMPLOYEES : 19
SQ FT OF FACILITY : 10,000

SEQ	EXT HAZ	MATERIAL DESCRIPTION / INGREDIENTS	HST	MAXIMUM QUANTITY AT ANY TIME	MAX%	CAS NO.	STORAGE TYPES	HEALTH & PHYS HAZ	ST	HAZARD CLASS
LOCATION: PARKING LOT /OA		LAFD#: 040305-005-0 NFPA-704:								PRODUCTS: 2
1		SPENT 9110 (WASTE)	YES	220.00 GA			DRUMS, CARBOYS	CHRONIC	L	IRRITANTS
		CUPRIC AMMONIUM CHLORIDE			35%					
		AMMONIUM CHLORIDE			5%	12125-02-9				
		COPPER			10%	7440-50-8				
		WATER			0%	7732-18-5				
		CUPRIC CHLORIDE			0%	1344-67-8				
2		ACID COPPER PLATING SOLUTION (WASTE)	YES	110.00 GA			DRUMS, CARBOYS	CHRONIC	L	IRRITANTS
		COPPER SULFATE			38%	7758-98-7				
		* SULFURIC ACID			5%	7664-93-9				
		* HYDROCHLORIC ACID			1%	7647-01-0				
		WATER			56%	7732-18-5				

MY SIGNATURE INDICATES THAT I HAVE VERIFIED AND AGREED WITH THE TYPES AND QUANTITIES OF HAZARDOUS MATERIALS AT THIS ADDRESS

NSP SIG:_____ INSP DATE:_____ BUS REP SIG:_____ DATE:_____ DE SIG:_____ DATE:_____

DATA ENTRY INSTRUCTION FORM (DEIF)

DATE 2-18-97

NEW USER ☐

INSPECTOR'S NAME WORTH

INSPECTOR NO. 449

BUSINESS NO. 324P-1

FS DIST. 8 18 24 70 74 75 (77) 81 87 91 96 98 103 104 107

BUSINESS NAME ACCURATE ENGINEERING

ACTION: *(Automatically entered by Data Entry)*

- ☐ (EJ) Disclosure Amendment or Additional Applications Given or Sent
- ☐ (BI) Notification of Business Plan Requirements
- ☒ (DA) Approval of Business Plan *(Date)* 2-18-97
- ☐ (VA) Inventory Verified By On-Site Inspection *(Date)*
- ☐ (EG) Warning Notice for Failure to Disclose
- ☐ (BG) Warning Notice for Failure to Submit Business Plan
- ☐ Medical Exemption Approved *(Signature)*

READ AND APPROVED BY QUALITY CONTROL (TLD) FEB 25 1997

DATA ENTRY INSTRUCTIONS: *(Circle desired form to make instruction clear and check off appropriate boxes)*

- ☐ Enter Highlighted Changes on BP-1 / BP-8
- ☐ Enter Inventory On Amendment / Disclosure
- ☐ Inactivate Business *(Journal Entry Should Be Included)*
- ☐ Other Instructions: *(For example: Enter I Codes; Combine Businesses under one BP number)*

OCC. JURISDICTION Vinyl

See Reverse For Journal ☒

INSPECTOR TIMEKEEPING: I1 .T I2 I3 .T

K-5 (Emergency Information)

K-6 (Inventory)

K-7 (Business Plans) .T

K-8 (Site Map)

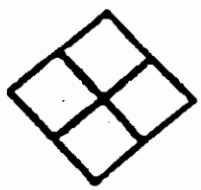
K-9 (Other Code Enforcement)

(K-Codes are entered automatically)

STATUS:	YES	NO
Business Plan Required	☒	☐
Government Agency	☐	☒
Cancel Certificate	☐	☒

Reason:
- ☐ Out of Business
- ☐ Moved Location
- ☐ No Hazardous Materials
- ☐ Change of Ownership
- ☐ Below Disclosure Level

704 DATA: Write out in linear format (i.e., 2-3-2 COR)



Area Covered by Placard:

Data Entry Name: David Stelin

Data Entry Date: 2-20-97

JOURNAL: *(Document who you contacted, inspection notes, and any other relevant information)*

- [ ] Verified Inventory
- [x] Approved Business Plan
- [ ] Inactivate Business
- [ ] Approved Disclosure Application
- [ ] Approved Amendment
- [ ] Left Disclosure Information
- [ ] Left Business Plan Information

Field Verification/Spoke With: NITEN GOLAKIEA

NEW USER

Primary Situs Address: _____

Mailing Address: _____

Business Name: _____ Phone No.: ( ) _____

Business Owner Name: _____ Phone No.: ( ) _____

On-Site Manager Name: _____ Phone No.: ( ) _____

Property Situs Address: _____ Phone No.: ( ) _____

Secondary Situs Address: _____

Property Owner Address: _____

Business No.: Temp. Permit No.: F.S. DIST.:

Data Entry Name: Add to File Date:

DATA ENTRY INSTRUCTION FORM (DEIF)

DATE 10/28/92 NEW USER ☐

INSPECTOR NAME BRINKMAN INSPECTOR NO. 445

BUSINESS NO. 3249-1 FS DIST. 74 77

BUSINESS NAME ACCURATE ENGINEERING

ACTION:

- ☐ (EJ) Disclosure Amendment or Additional Applications Given or Sent
- ☐ (BI) Notification of Business Plan Requirements
- ☒ (DA) Approval of Business Plan
- ☒ (VA) Inventory Verified By on Site Inspection 10/28/92 Date
- ☐ (EG) Warning Letter for Failure to Disclose
- ☐ (BG) Warning Letter for Failure to Submit Business Plan
- ☐ Medical Exemption Approved _____ Signature

DATA ENTRY INSTRUCTIONS:

[X] ENTER ABOVE ACTIONS TAKEN,

[ ] INACTIVATE,

[ ] ENTER CHANGES ON AMENDMENT DISCLOSURE BP-1 BP-8,

[ ] OTHER:

☐ Enter "K" Code See Reverse For Journal ☐

INSPECTOR TIMEKEEPING: I1 1.5, I2 _____, I3 _____,
K-5 (Emergency Information) 0.2, K-6 (Inventory) 0.8,
K-7 (Business Plans) 0.5, K-8 (Site Map) _____,
K-9 (Other Code Enforcement) _____

STATUS CHANGE:	Yes	No
Business Plan Required	☐	☐
Government Agency	☐	☐
Cancel Certificate	☐	☐

Reason: ____ Out of Business
____ Moved Location
____ No Hazardous Materials
____ Change of Ownership
____ Below Disclosure Level

704 DATA: Write out in linear format (i.e., 2-3-2 COR)

_____

828 Permit No: _____

Area Covered by Placard:

_____

_____

_____

Data Entry Name: _____ Data Entry Date: 01/22/93

Data Mgmt/rev. DEIF WITH 704/093092

JOURNAL : Company Occupancy ( ) Fire Prevention Occupancy ( )

[✓] Inspection Type: I-1, I-2, I-3,

[✓] Field Inspection With (Verification), TOM GARCY

[✓] Inventory; Same Increase Decrease,

[✓] Information; Same Change,

[✓] Other:

ANNUAL UPDATE [illegible] 01/22/93

NEW USER

Primary Situs Address: _____

Mailing Address: _____

Business Name: _____ Phone No.: ( ) _____

Business Owner Name: _____ Phone No.: ( ) _____

On-Site Manager Name: _____ Phone No.: ( ) _____

Property Owner Name: _____ Phone No.: ( ) _____

Secondary Situs Address: _____

Property Owner Address: _____

EP/S

Business No.: _____ FS DIST.: _____ Temp. Permit No.: _____

Data Entry Name: _____ Add to File Date _____

DATA ENTRY INSTRUCTION FORM

Revised: 02-27-90
Date: 10-24-90
Inspector ID: 445
Inspector Name: BRINKMAN

INSPECTOR ACTIONS

Date			
Field Hrs.			
Office Hrs.	1/2		

TOTALS:
TOTAL HRS.: 1/2

New User (Back)
Division 8 Renewals (Back)

DATA ENTRY INSTRUCTIONS

Business No.: 3249-1 LAFD No.: _____

Type: _____ Action: _____
Type: _____ Action: _____
Type: _____ Action: _____

- ☒ CHANGE B-P-1
- ☒ CHANGE BP-8
- ☒ ENTER AS "DA"

BUSINESS PLAN INSPECTION RESULTS (BP-9)

INSPECTION ACTION CODES:

FA = Accept Plan - Field
FR = Accept Plan with Deficiency Letter
DA = Accept Plan - Desk Review
DR = Accept Plan Desk Review with Deficiency Letter
FX = No Business Plan Required (Check Box Below)
FO = Out of Business (Check Box Below)

BUSINESS NO.: _____ **BUSINESS NAME:** _____

Review/Inspection Date: _____ Inspection Action (Circle One): FA FR DA DR FX FO AA

340-C No.: _____ 340-C Issue Date: _____ Sq. Footage Correction _____

INSPECTION JOURNAL (Include Name of Person You Met With and Date): _____

Journal Continued on Back: ☐ Yes ☐ No

Potential RMPP Candidate: ☐ Yes ☐ No ☐ Unsure

If Inspection Action is "FX", Check One Below:
- ☐ Exemption (Explain)
- ☐ Hazmat Reduced to 801 Level
- ☐ Retail Sales
- ☐ (A) Bus. No Longer Contain Hazmat (Inactive)

If Inspection Action is "FO", Check One Below:
- ☐ (B) Out of Business
- ☐ (C) Business Moved to Another Location
- ☐ (D) Business Ownership Change
- ☐ (I) Other (Explain in Inspection Journal)

Data Entry Name: AA Data Entry Date: 10.24.90

APPLICATION FOR CERTIFICATE OF DISCLOSURE OF HAZARDOUS SUBSTANCES

040305-001-0

FILL OUT AND RETURN PAGE 2, 3, 5 & 6 WITH PAYMENT

INSTRUCTIONS: COMPLETE ALL ITEMS BELOW. ALL SIGNATURES MUST BE INCLUDED. RETURN BOTH COPIES OF PART A, AND PARTS B AND C. TYPE OR PRINT NEATLY.

BUSINESS TAX # 988714-53 POLICE/FIRE PERMIT # BP 3249-1 BUSINESS'S STANDARD INDUSTRIAL CLASSIFICATION, SIC CODE 3679

FOR OFFICE USE ONLY	FD	CLASS	MC	PC	PERIOD	AMOUNT	PY. DT.	LAFD 902 CODE
	F	810	P	21	A 87	$ 75.00	05-21-87	

040305-001-0

LEGAL NAME OF BUSINESS: (DO NOT ENTER FICTITIOUS NAME OR DBA) Accurate Engineering Corp PHONE (818) 768-3919

LOCATION WHERE HAZARDOUS MATERIALS OR WASTE ARE HANOLED OR STORED: ADDRESS 8710 Telfair Av (STREET NO. / FULL STREET NAME) UNIT #

CITY Sun Valley STATE ZIP 91352 UNIT TYPE

BUILDING NAMES Main Bldg & Trailer
LIST THE NAMES OR NUMBERS OF ALL BUILDINGS AT THIS STREET ADDRESS WITH HAZARDOUS MATERIALS OR WASTE.

DOING BUSINESS AS (DBA) N/A
ENTER FICTITIOUS NAME HERE, IF APPLICABLE

IN CARE OF BUSINESS MAILING ADDRESS (P.O. BOX, STREET # AND NAME / STATE / ZIP)

NAME OF BUSINESS OWNER Tom Garley / Bob Baker PHONE (818) 768-3917

NAME OF ON SITE MANAGER Tom Garley PHONE 818-768-3917

PRIMARY EMERGENCY CONTACT Tom Garley EMERGENCY PHONE

ALTERNATE EMERGENCY CONTACT Bob Baker EMERGENCY PHONE

NAME OF PROPERTY OWNER Rose Palmer MAILING ADDRESS 1935 Locust Rd

CITY Yuba City STATE CA ZIP 95991 PHONE #

BRIEFLY DESCRIBE THE NATURE OF YOUR BUSINESS (USE ADDITIONAL SHEET IF NECESSARY) Manufacture Printed Circuit Boards

PERMIT INFORMATION:

REVIEW THE LIST OF AGENCY NAMES. IF YOUR BUSINESS HAS A PERMIT ISSUED BY ANY OF THEM FOR HAZARDOUS SUBSTANCES OR WASTE, GIVE THE PERMIT NUMBER.

APPROVED CERTIFICATE

		PERMIT NUMBER
A	L.A. FIRE DEPT. (FIRE PERMIT)	988714
B	L.A. BUREAU OF SANITATION (INDUSTRIAL WASTE)	W444151
C	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	048243
D	STATE HEALTH SERVICES (RADIOACTIVE MAT'L LICENSE)	
E	L.A. COUNTY HEALTH DEPT. (GENERATORS HAZARDOUS WASTE)	
F	E.P.A. IDENTIFICATION NO. (GENERATORS HAZARDOUS WASTE)	CAD980812504
G	E.P.A. IDENTIFICATION ND. (HAZARDOUS WASTE HAULER)	
H	E.P.A. IDENTIFICATIDN NO. (HAZARDOUS WASTE FACILITY - TSD)	
I	REGIONAL WATER QUALITY CONTROL BOARD	
J	OTHER AGENCY, SPECIFY NAME	

B.P. 4/4

FEE EXEMPTION: IF YOUR ESTABLISHMENT IS A GOVERNMENT AGENCY, CHECK HERE ____ GOVERNMENT AGENCIES MUST FILE AN APPLICATION FOR DISCLOSURE AND SUBMIT THE INVENTORY; HOWEVER, NO FEE IS REQUIRED.

REMIT TO:
CITY OF LOS ANGELES
ELIAS MARTINEZ, CITY CLERK
TAX AND PERMIT DIVISION
P.O. BOX 30626
LOS ANGELES, CA. 90030-0626

SIGNATURES: Read paragraphs A & B below. All signatures must be included.
PLEASE NOTE: IT IS UNLAWFUL FOR ANY PERSON TO KNOWINGLY VIOLATE ANY PROVISION OF THIS ORDINANCE.

I CERTIFY UNDER PENALTY OF PERJURY, THAT THE ABOVE INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

A) I AGREE TO COMPLY WITH ALL REGULATIONS, LAWS AND ORDINANCES PERTAINING TO OR REGULATING THE ABOVE BUSINESS THAT ARE NOW IN EFFECT OR THAT MAY BE HEREAFTER ADOPTED.

B) IF THE CITY DETERMINES THAT NO CERTIFICATE AND/OR FEE IS REQUIRED, I AUTHORIZE THE CITY CLERK TO REFUND THE TOTAL PAYMENT. I UNDERSTAND THAT NO REFUND CAN BE MADE WITHOUT THE SIGNATURE.

Thomas M Garley — Gen Mgr — 5/19/87
SIGNATURE OF BUSINESS OWNER OR AUTHORIZED REPRESENTATIVE / TITLE / DATE

Thomas M Garley — Gen Mgr. — 5/19/87
SIGNATURE OF ON-SITE MANAGER / TITLE / DATE

Robert M Baker — PRES — 5-21-87
SIGNATURE OF BUSINESS OWNER OR AUTHORIZED REPRESENTATIVE / TITLE / DATE

OFFICE USE ONLY ➧ MASTER CODE [ ] DATE 8/29/87 MW 10-13 KD LAFD SIGNATURE (Joseph A. Tenorio) DATE 9/23/87

WHERE TO START ON PARTS B & C - INVENTORIES

Step 1: Read the IMPORTANT NOTICE AND GENERAL INSTRUCTIONS ON PAGE 1:

Xerox extra copies of Parts B & C to use as worksheets and to ensure that you have enough forms to list all the business' hazardous substances.

Step 2: Gather Your Business Records:

A. INVENTORY RECORDS.
B. SALES RECEIPTS AND SHIPPING RECORDS. (Purchasing Agent).
C. MATERIALS SAFETY DATA SHEETS (MSDS's).
Gather MSDS's and use them to complete column 1 of the Hazardous Materials Inventory. State law requires you to maintain an MSDS for each hazardous substance on your business premises. They are available from chemical manufacturers or distributors.
D. UNIFORM HAZARDOUS WASTE MANIFESTS.
Use this document to complete column 7 of the Hazardous Waste Inventory. Manifests are used whenever hazardous wastes are transported off-site by a hazardous waste hauler.

Step 3: Inspect your business:

Conduct a thorough site inspection and make a detailed inventory of all the hazardous materials and wastes handled or stored by the business. Use your extra copies of the inventory forms as worksheets.

Consult with supervisors who can show you what hazardous materials or wastes they handle or store. Include all departments in the inspection to prevent overlooking any materials.

IMPORTANT: MAKE A SEPARATE INVENTORY FOR EACH BUILDING, OUTDOOR AREA AND HAZARDOUS MATERIALS ROOM. PUT HAZARDOUS MATERIALS ON PART B AND HAZARDOUS WASTES ON PART C.

Step 4: Complete Parts B & C:

After examining your records and conducting your inspection, please prepare the final copies of Parts B & C. Type or print neatly. Please use correct spelling. For assistance in completing these forms, refer to the examples below:

EXAMPLE: PART B HAZARDOUS MATERIALS INVENTORY (SEE PAGE 5 FOR TABLE 1)

COLUMN 1 FILL IN A & B FOR EACH HAZARDOUS MATERIAL OR HAZARDOUS MATERIAL MIXTURE. USE EXACT SPELLING. A. PRODUCT NAME OR COMMON NAME OF HAZARDOUS MATERIAL. B. CHEMICAL NAME AND PERCENT(%) CONCENTRATION OF ALL INGREDIENTS IN HAZARDOUS MATERIAL.	COLUMN 2 ESTIMATE MAXIMUM QUANTITY HANDLED OR STORED AT ANY TIME IN 1987 AT ABOVE LOCATION. INCLUDE UNITS. (i.e. LBS, GALLONS, etc.)	COLUMN 3 ESTIMATE TOTAL QUANTITY HANDLED OR STORED DURING 1987 AT ABOVE LOCATION, EVEN IF ONLY BRIEFLY. INCLUDE UNITS.	COLUMN 4 LIST ALL THE TYPES OF CONTAINERS USED TO STORE HAZARDOUS MATERIAL - USE TABLE 1.	COLUMN 5 ✓ IF YOU HAVE MATERIAL SAFETY DATA SHEET FOR THE HAZARDOUS MATERIAL
a. NAPHTHA SAFETY SOLVENT b. NONANE 85 % TRIMETHYL BENZENE 15 % % %	600 GALLONS	1800 GALLONS	B C I	✓

EXAMPLE: PART C HAZARDOUS WASTE INVENTORY (SEE PAGE 6 FOR TABLE 1 AND 2)

COLUMN 1 FILL IN A AND B FOR EACH HAZARDOUS WASTE OR HAZARDOUS WASTE MIXTURE. USE EXACT SPELLING. A. GIVE COMMON NAME OR DEPARTMENT OF TRANSPORTATION SHIPPING NAME (DOT) OF WASTE. B. GIVE CHEMICAL NAME AND PERCENT % CONCENTRATION OF ALL INGREDIENTS IN HAZARDOUS WASTE.	COLUMN 2 ESTIMATE AVERAGE MONTHLY QUANTITY GENERATED IN 1987 AT ABOVE LOCATION. INCLUDE UNITS. (i.e. LBS, GALLONS)	COLUMN 3 ESTIMATE MAXIMUM QUANTITY HANDLED OR STORED AT ANY TIME IN 1987 AT ABOVE LOCATION. INCLUDE UNITS.	COLUMN 4 ESTIMATE TOTAL QUANTITY HANDLED OR STORED DURING 1987 AT ABOVE LOCATION, EVEN IF ONLY BRIEFLY. INCLUDE UNITS.	COLUMN 5 LIST ALL THE TYPES OF CONTAINERS USED TO STORE WASTE. USE TABLE 1 BELOW.	COLUMN 6 LIST ALL WASTE TREATMENT AND/OR DISPOSAL METHODS. USE TABLE 2 BELOW.	COLUMN 7 A. ✓ IF WASTE TREATED ON SITE. B. ✓ IF WASTE DISPOSED OF ON SITE. C. GIVE WASTE HAULER'S EPA I.D. NUMBER. ASK HAULER OR CONSULT WASTE MANIFEST.		
						A.	B.	C.
A. SPENT CARTRIDGE FILTERS B. PERCHLOROETHYLENE % % % %	25 Pounds	75 Pounds	300 Pounds	B	02	N.A.	N.A.	CAD 130422592

SAMPLE

Los Angeles City Fire Department

Telephone (213) 978-3680 Fax (213) 978-3615
200 N. Main St., 17th Fl, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

L.A.F.D. DATA MANAGEMENT UNIT
PAID

DATE: 12/21/10
CHECK NUMBER: 060362
INITIALS:
$ 7.50

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: 12/14/2010

Requestor's Name: FRANCINE YEUNG Fax #: (310) 530 0792

Company/Agency: COFFEY ENVIRONMENTS Ph. #: (310) 530 5006

Address: 3777 LONG BEACH BLVD ANNER BLG. Unit/Ste. #:

City: LONG BEACH State: CA Zip: 90807

Information is requested for

☐ Active Facilities Only

Check all that apply: ☐ Inventory Summary ☑ Review File (appt. required)

Business Name: ACCURATE ENGRG CORP

Storage Address: 8710 TELFAIR AVE. Unit/Ste. #:

City: SUN VALLEY / SAN FERNANDO VALLEY State: CA Zip: 91352

Reason for Request: ENVIRONMENTAL SITE ASSESSMENT

FOR OFFICE USE ONLY

☐ NO INFORMATION ON FILE
☐ HARD FILE DESTROYED
☑ INFORMATION AVAILABLE

Facility I.D. No.: FA3249
Request No. :
Processed Date: 11/30/10
APPT. TO REVIEW FILE:
Processor Signature:
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. 64 x $0.10 = $6.40

TOTAL: $ 7.50

FIRE PREVENTION BUREAU TECHNICAL SECTION
200 NORTH MAIN STREET, RM 1780
LOS ANGELES, CA 90012

LOS ANGELES FIRE DEPARTMENT
Los Angeles Certified Unified Program Agency
(213) 978-3680

Los Angeles Fire Department
Data Entry Instruction Form (DEIF)

FOR INTERNAL USE ONLY

Date:	9/3/2010	**New Business:**	[ ]
Default Inspector:	VIGIL, JOHN	**Fire Station/Census:**	077
Facility ID;	FA0003249	**Insp District:**	415
Facility Name:	**ACCURATE ENGINEERING CORP**		
Site Address:	8710 N TELFAIR AVE SUN VALLEY, CA 91352		

[✓] VERIFIED FACILITY PHONE NUMBER
PHONE NO: (818) 348-4289

Account Info
Account Outstanding Balance:
Number of Outstanding Invoices: 0

[✓] VERIFIED MAILING ADDRESS
MAILING ADDRESS: 8710 N TELFAIR AV
(INVOICES/PERMITS) SUN VALLEY, CA 91352

[✓] VERIFIED OWNER INFO
OWNER NAME: ACCURATE ENGINEERING CORP
OWNER MAILING ADDRESS: 8710 N TELFAIR AVE
SUN VALLEY, CA
PHONE: (818) 768-3919

ACTIVE PROGRAMS:

PE	PE DESCRIPTION	UNITS
MAIN_SITE		
1003	PR0113239 ¦ HW GEN, 20-100 EMPLOYEES	
2010	PR0113248 ¦ TIERED PERMIT - CA	
2020	PR0113207 ¦ TIERED PERMITTING PERMIT BY RULE	
4502	PR0002779 ¦ HAZ MAT INVENTORY 8 OR MORE CHEMICALS	

DATA ENTRY INSTRUCTION(S): Check Appropriate Boxes

[✓] **Changes On BP 01**
[ ] **Changes On BP 08**
[ ] **UST Abandon Sheets**
[ ] **UST Installation Sheets**
[ ] **Changes On Attached CUPA Form(s)**
[ ] **Enter Inventory on Attached CUPA Forms**

[ ] **Inactive Business** *Journal Entry should Be Included*

Reason:

[✓] **Other Instruction:** *For Examples: Combine Business Under One BP Number*

⊕ BP-1 changes
ø change to inventory.
Verified by Rashesh Patel - President

Data Entry Name: _____ Date: 9/13/10

CITY OF LOS ANGELES
CALIFORNIA

LOS ANGELES FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3880

BUSINESS INFORMATION

Printed on: 9/3/2010

INSTRUCTIONS: Please complete and sign this form; your signature indicates that the information, as supplied, is accurate.
Business Number: FA0003249 This is your current business plan number. This number must appear on all business plan forms!
Business Name : ACCURATE ENGINEERING CORP

Business Site Address: 8710 N TELFAIR AVE
SUN VALLEY, CA 91352

Mailing Address 8710 N TELFAIR AV
SUN VALLEY, CA 91352

Other On-Site Addresses:

Briefly describe the nature of the hazardous materials operations:

Ø . change to inventory

● SPECIALIST IN QUICK TURN ● MILSPEC CERTIFIED
ACCURATE ENGINEERING CORPORATION
QUALITY PRINTED CIRCUITS
WWW.ACCUENG.COM
RUSHESH PATEL
PRESIDENT

PH : (818) 768-3919
FAX : (818) 768-2771
MODEM : (818) 768-5687
E-mail : ACCUENG@AOL.COM

8710 TELFAIR AVE.
SUN VALLEY,CA 91352

CONTACT	WORK #	24 HOUR #	PAGER #
Owner Name: ACCURATE ENGINEERING CORP	(818) 768-3919	-	-
On-Site Manager:		-	-
Emergency Contact: HITEN GOLAKIEA	(818) 768-3919		
2nd Emergency Contact: RASHESH PATEL			

X Rashesh (Rashesh Patel) — Signature of Legal Business Owner/Authorized Representative
Owner/Partner/Pres — Title
9/7/10 — Date

Business Plan has been reviewed and approved: _____

OFFICE USE ONLY Insp. ID: 415 Date: 9-7-10 D/E ID: _____ Date: _____ TS: _____

CITY OF LOS ANGELES
CALIFORNIA

LOS ANGELES FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3880

Business No : **FA0003249**
First In : 077
District # : 415

Hazardous Materials System
BP-8: Computer Listing of Inventory
SubmittedInspection Responsibility: VIU

Printed on: 9/3/2010

Business Name	: ACCURATE ENGINEERING CORP	**Business Address**	: 8710 N TELFAIR AVE
Business Owner	: ACCURATE ENGINEERING CORP		SUN VALLEY, CA 91352
On-Site Manager	:	**Phone #**	:
Emergency Contact	: HITEN GOLAKIEA	**Phone #**	: (818) 768-3919
Alt Emergency Contact	:	**Phone #**	:
Next Inspection Date:	: 6/15/2011	**SIC Code**	: 3672
# of Employees	: 22	**Permit Date**	: 12/14/2009

Total Chemicals: 10

LOCATION: COPPER PLATING — **Chemicals at Location: 2**

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
COPPER PLATING BATH 1 (DIP TANKS)	WASTE	420.00 GALLONS	LIQUID	

Container:| ABOVEGROUND TANK |

Ingredients	*CAS #*
COPPER SULFATE	7758987
SULFURIC ACID	7664939
HYDROCHLORIC ACID	7647010
WATER	7732185

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
COPPER PLATING BATH 2 (DIP TANKS	WASTE	365.00 GALLONS	LIQUID	

Container:| ABOVEGROUND TANK |

Ingredients	*CAS #*
COPPER SULFATE	7758987
SULFURIC ACID	7664939
HYDROCHLORIC ACID	7647010
WATER	7732185

LOCATION: ETCHING — **Chemicals at Location: 1**

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
NETEX ETCHANT 9110	PURE	110.00 GALLONS	LIQUID	

Container:| STEEL DRUM |

Ingredients	*CAS #*
AMMONIUM HYDROXIDE	1336216

LOCATION: PARKING LOT — **Chemicals at Location: 2**

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
ACID COPPER PLATING SOLUTION (WASTE)	WASTE	110.00 GALLONS	LIQUID	

Container:| STEEL DRUM |

Ingredients	CAS #
COPPER SULFATE	7758987
SULFURIC ACID	7664939
HYDROCHLORIC ACID	7647010
WATER	7732185

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
SPENT 9110 (WASTE)	WASTE	220.00 GALLONS	LIQUID	

Container:| STEEL DRUM |

Ingredients	CAS #
CUPRIC AMMONIUM CHLORIDE	
AMMONIUM CHLORIDE	12125029
COPPER	7440508
WATER	7732185
CUPRIC CHLORIDE	1344678

LOCATION: PLATING

Chemicals at Location: 3

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
SELECT STRIP	PURE	55.00 GALLONS	LIQUID	

Container:| STEEL DRUM |

Ingredients	CAS #
AMMONIUM HYDROGEN FLUORIDE	1341497
HYDROGEN PEROXIDE	7722841

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
SOLDER PLATING 1	WASTE	85.00 GALLONS	LIQUID	

Container:| ABOVEGROUND TANK |

Ingredients	CAS #
FLUOBORIC ACID	16872110
STANNOUS FLUOBORATE SOLUTION	13814976
LEAD FLUOBORATE	13814965
WATER	7732185

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
SOLDER PLATING 2	WASTE	200.00 GALLONS	LIQUID	

Container:| ABOVEGROUND TANK |

Ingredients	CAS #
FLUOBORIC ACID	16872110
STANNOUS FLUOBORATE SOLUTION	13814976
LEAD FLUOBORATE	13814965
WATER	7732185

LOCATION: TRAILER

Chemicals at Location: 2

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
METEX ETCHANT 9110	PURE	55.00 GALLONS	LIQUID	

Container:| STEEL DRUM |

Ingredients	*CAS #*
AMMONIUM HYDROXIDE	1336216

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
ULTRA BRIGHT 9226	PURE	55.00 GALLONS	LIQUID	

Container:| STEEL DRUM |

Ingredients	*CAS #*
HYDROCHLORIC ACID	7647010
THIOUREA	62566

My signature indicates that I have verified and agreed with the types and quantities of hazadous materials at this address.

[FA0003249] CHEMICAL COUNT: 10

INSP SIG: _____ INSP. DATE: 9-7-10

BUS. REP. SIG: _____ (Rachesh Patel) DATE: 9/7/10

Data Date: 9/3/2010

DATA ENTRY INSTRUCTION FORM (DEF)

DATE 4-3-08

NEW USER ☐

INSPECTOR'S NAME KURIMOTO

INSPECTOR NO. 449

BUSINESS NO. 3249

BUSINESS NAME Accurate angra

8, 12, 18, 24, 28, 41, 42, 44, 50, 52, 55, 56
70, 74, 75, 76, 77, 81, 82, 87, 91, 96, 98
103, 104, 107

ACTION: *(Automatically entered by Data Entry)*

- ☐ (EJ) Disclosure Amendment or Additional Applications Given or Sent
- ☐ (BI) Notification of Business Plan Requirements
- ☒ (DA) Approval of Business Plan *(Date)* 3-27-08
- ☒ (VA) Inventory Verified By On-Site Inspection *(Date)* _____
- ☐ (EG) Warning Notice for Failure to Disclose
- ☐ (BG) Warning Notice for Failure to Submit Business Plan
- ☐ Medical Exemption Approved *(Signature)* _____

DATA ENTRY INSTRUCTIONS: *(Circle desired form to make instruction clear and check off appropriate boxes)*

- ☒ Enter Highlighted Changes on BP-1 / BP-8
- ☐ Enter Inventory On Amendment / Disclosure
- ☐ Inactivate Business *(Journal Entry Should Be Included)*
- ☐ Other Instructions: *(For example: Enter I Codes; Combine Businesses under one BP number)*

OCC. JURISDICTION HIRS HZMT IND INS PSU S&C CO See Reverse For Journal ☐

INSPECTOR TIMEKEEPING: I1 _____ I2 _____ I3 _____

K-5 (Emergency Information) _____ K-6 (Inventory) _____
K-7 (Business Plans) _____ K-8 (Site Map) _____
K-9 (Other Code Enforcement) _____ *(K-Codes are entered automatically)*

STATUS:	YES	NO
Business Plan Required	☐	☒
Government Agency	☐	☒
Cancel Certificate	☐	☒

Reason:
- ☐ Out of Business
- ☐ Moved Location
- ☐ No Hazardous Materials
- ☐ Change of Ownership
- ☐ Below Disclosure Level

704 DATA: Write out in linear format (i.e., 2-3-2 COR)

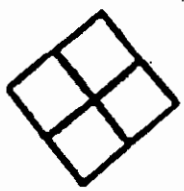
_____

828 Permit No.: _____

Area Covered by Placard:

_____

_____



Data Entry Name: [illegible] Data Entry Date: 11/14/08

JOURNAL: *(Document who you contacted, inspection notes, and any other relevant information)*

- [x] Verified Inventory
- [x] Approved Business Plan
- [ ] Inactivate Business
- [ ] Approved Disclosure Application
- [ ] Approved Amendment
- [ ] Left Disclosure Information
- [ ] Left Business Plan Information

Field Verification/Spoke With: Hiten Golakica - will update bsn plan

NEW USER

Primary Situs Address: _____

_____

_____

Mailing Address: _____

_____

Business Name: _____ Phone No.: ( ) _____

Business Owner Name: _____ Phone No.: ( ) _____

On-Site Manager Name: _____ Phone No.: ( ) _____

Property Situs Address: _____ Phone No.: ( ) _____

_____

Secondary Situs Address: _____

_____

_____

Property Owner Address: _____

_____

Business No.: Temp. Permit No.: F.S. DIST.:

Data Entry Name: Add to File Date:

City of LOS ANGELES
CALIFORNIA

LOS ANGELES FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3680

BUSINESS INFORMATION

Printed on: 03/24/2008

INSTRUCTIONS : Please complete and sign this form; your signature indicates that the information, as supplied, is accurate.

Business Number: FA0003249 This is your current business plan number. This number must appear on all business plan forms!
Business Name : ACCURATE ENGINEERING CORP

Address Where Business is Conducted : 8710 N TELFAIR AVE, SUN VALLEY, CA 91352
Mailing Address : 8710 N TELFAIR AV SUN VALLEY, CA 91352
Other On-Site Addresses: 8710 N TELFAIR AV

Briefly describe the nature of the hazardous materials operations:

Number of Employees: 22
SIC Code : 3672
Dun & Bradstreet Number:

CONTACT	WORK #	24 HOUR #	PAGER #	OTHER #
Owner Name: ACCURATE ENGINEERING CORP	~~[redacted]~~			(
On-Site Manager:				
Emergency Contact: HITEN GOLAKIEA	(818) 768-3919			(
2nd Emergency Contact:				

X _____ _____ _____
Signature of Legal Business Owner/Authorized Representative **Title** **Date**

Business Plan has been reviewed and approved: _____

Office Use Only Insp. ID: _____ Date: _____ D/E ID: _____ Date: _____ TS: _____

City of LOS ANGELES
CALIFORNIA

LOS ANGELES
FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3680

Hazardous Materials System
BP-8: Computer Listing of Inventory Submitted
Inspection Responsibility: VIU

Business No : FA0003249
First In : 077
Block # :

Printed on: 3/24/2008

Business Name : ACCURATE ENGINEERING CORP
Business Owner : ACCURATE ENGINEERING CORP
On-Site Manager :
Emergency Contact : HITEN GOLAKIEA
Alt Emergency Contact:

Business Address: 8710 N TELFAIR AVE,
SUN VALLEY, CA 91352
Phone # :
Phone # : (818) 768-3919 Ext:
Phone # : Ext:

Next Inspection Date: 03/13/2005
SIC Code : 3672
# of Employees : 22
Sq. Ft. of Facility : N/A
Permit Date : 11/09/2007

LOCATION: COPPER PLATING — **NFPA-704: N/A** — **Products: 2**

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
COPPER PLATING BATH 1 (DIP TANKS)	WASTE	**420.00 GALLONS**	LIQUID	
Hazard Class:		*Storage Type:* ABOVEGROUND TANK		

Ingredients	Max %	CAS #
COPPER SULFATE		7758987
SULFURIC ACID		7664939
HYDROCHLORIC ACID		7647010
WATER		7732185

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
COPPER PLATING BATH 2 (DIP TANKS	WASTE	**365.00 GALLONS**	LIQUID	
Hazard Class:		*Storage Type:* ABOVEGROUND TANK		

Ingredients	Max %	CAS #
COPPER SULFATE		7758987
SULFURIC ACID		7664939
HYDROCHLORIC ACID		7647010
WATER		7732185

LOCATION: ETCHING — **NFPA-704: N/A** — **Products: 1**

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
NETEX ETCHANT 9110	PURE	**110.00 GALLONS**	LIQUID	
Hazard Class:		*Storage Type:* STEEL DRUM		

Ingredients	Max %	CAS #
AMMONIUM HYDROXIDE		1336216

LOCATION: PARKING LOT — **NFPA-704: N/A** — **Products: 2**

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
ACID COPPER PLATING SOLUTION (WASTE)	WASTE	**110.00 GALLONS**	LIQUID	
Hazard Class:		*Storage Type:* STEEL DRUM		

Ingredients	Max %	CAS #
COPPER SULFATE		7758987
SULFURIC ACID		7664939

HYDROCHLORIC ACID		7647010
WATER		7732185

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
SPENT 9110 (WASTE)	WASTE	**220.00 GALLONS**	LIQUID	
Hazard Class:		*Storage Type:* STEEL DRUM		

Ingredients	Max %	CAS #
CUPRIC AMMONIUM CHLORIDE		
AMMONIUM CHLORIDE		12125029
COPPER		7440508
WATER		7732185
CUPRIC CHLORIDE		1344678

LOCATION: PLATING **NFPA-704: N/A** **Products: 6**

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
1,1,1-TRICHLOROETHANE	PURE	**55.00 GALLONS**	LIQUID	
Hazard Class:		*Storage Type:* STEEL DRUM		

Ingredients	Max %	CAS #
1,1,1-TRICHLOROETHANE		71556

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
NICKEL PLATING 1	WASTE	**85.00 GALLONS**	LIQUID	
Hazard Class:		*Storage Type:* ABOVEGROUND TANK		

Ingredients	Max %	CAS #
NICKEL		7440020
NICKEL SULFATE HEXAHYDRATE		10101970
NICKEL CHLORIDE		7718549
WATER		7732185

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
NICKLE PLATING 2	WASTE	**65.00 GALLONS**	LIQUID	
Hazard Class:		*Storage Type:* ABOVEGROUND TANK		

Ingredients	Max %	CAS #
NICKEL		7440020
NICKEL SULFATE HEXAHYDRATE		10101970
NICKEL CHLORIDE		7718549
WATER		7732185

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
SELECT STRIP	PURE	**55.00 GALLONS**	LIQUID	
Hazard Class:		*Storage Type:* STEEL DRUM		

Ingredients	Max %	CAS #
AMMONIUM HYDROGEN FLUORIDE		1341497
HYDROGEN PEROXIDE		7722841

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
SOLDER PLATING 1	WASTE	**85.00 GALLONS**	LIQUID	
Hazard Class:		*Storage Type:* ABOVEGROUND TANK		

Ingredients	Max %	CAS #

FLUOBORIC ACID	16872110
STANNOUS FLUOBORATE SOLUTION	13814976
LEAD FLUOBORATE	13814965
WATER	7732185

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
SOLDER PLATING 2	WASTE	**200.00 GALLONS**	LIQUID	
Hazard Class:		*Storage Type:* ABOVEGROUND TANK		

Ingredients	*Max %*	*CAS #*
FLUOBORIC ACID		16872110
STANNOUS FLUOBORATE SOLUTION		13814976
LEAD FLUOBORATE		13814965
WATER		7732185

LOCATION: TRAILER **NFPA-704: N/A** **Products: 2**

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
METEX ETCHANT 9110	PURE	**55.00 GALLONS**	LIQUID	
Hazard Class:		*Storage Type:* STEEL DRUM		

Ingredients	*Max %*	*CAS #*
AMMONIUM HYDROXIDE		1336216

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
ULTRA BRIGHT 9226	PURE	**55.00 GALLONS**	LIQUID	
Hazard Class:		*Storage Type:* STEEL DRUM		

Ingredients	*Max %*	*CAS #*
HYDROCHLORIC ACID		7647010
THIOUREA		62566

03/13/2005 My signature indicates that I have verified and agreed with the types and quantities of hazadous materials at this address

INSP SIG: _____ INSP. DATE: _____ BUS. REP. SIG: _____ DATE: _____ DE. SIG.: _____ DATE _____

Reviewed 4/2005 LAFD # 040305-001-0

3. How will people within the business facility who must respond to an incident be notified?

Public address system and fire alarm

4. How will immediate notification and evacuation of the business be done?
(Include a description of the steps needed to evacuate employees and/or residents of the area surrounding the business in the event of a spill or release).

Evacuation Coordinator shall be responsible for:

a. Supervise evacuation of non-essential personnel
b. Verify personnel safety and take first aid actions when required.
c. Inform Emergency Coordinator

4a. Are all new employees who may be impacted trained on evacuation procedures? Check one: X yes ___no.

4b. Are all employees who may be impacted given refresher training on evacuation procedures? Check one: X yes ___no.

MEDICAL ASSISTANCE - in the event of a reportable hazardous materials or waste release or threatened release:

5. List all local emergency medical facilities that will be used:
Name of emergency medical facility: IndustraCare Occupational Medical Center
Address: 9375 San Fernando Rd. Phone: (818) 504-4530
Name of emergency medical facility: Dr. Arnold M. Jacobs
Address: 9375 San Fernando Rd. Phone: (818) 504-4530

ADVANCED PREPARATION - in the event of a reportable hazardous materials or waste release or threatened release:

6. MITIGATION (REDUCE THE HAZARD) - Describe what procedures will be followed to reduce any harm or damage to persons, property, or the environment.

Liquid spills are cleaned up using absorbent. Personnel are aware of emergency shut-off locations.

ACCURATE ENGINEERING CORPORATION

LAFD #: 040305-001-0

SHORT-FORM BUSINESS PLAN INDEX
BP-4

WHO MAY COMPLETE A SHORT-FORM BUSINESS PLAN?

Only a business fitting all the descriptions below may use the short-form business plan. All others must complete a Standard Business Plan Index (BP-5).

1. A business with less than 40,000 square feet (including building size and outside hazardous materials and hazardous waste areas).

2. A business occupying less than four stories.

3. A business that is not required to have a Division 4 Fire Permit for Hazardous Materials from the Los Angeles City Fire Department (as per Section 57.04.03 of the Los Angeles City Fire Code).

This form is to be used as a checklist for elements required to be WRITTEN INTO a Short From Business Plan. All elements must be submitted in the following order.

SHORT FORM BUSINESS PLAN REQUIRED ELEMENTS	ELEMENT ATTACHED AND COMPLETE - (BUSINESS TO INITIAL AND DATE)	PAGE No.	REVIEW FOR ADEQUACY OFFICIAL USE ONLY (INITIAL AND DATE)
1. BP-1 (BUSINESS INFORMATION).....	BBW 5/6/92	___	_____
2. BP-2 (BUSINESS PLAN HAZARDOUS MATERIALS INVENTORY).	BBW 5/6/92	___	_____
3. BP-3 (BUSINESS PLAN HAZARDOUS WASTE INVENTORY).....	BBW 5/6/92	___	_____
4. BP-4 (SHORT FORM BUSINESS PLAN INDEX).....	BBW 5/6/92	___	_____

IF YOUR BUSINESS QUALIFIES TO USE THE SHORT FORM BUSINESS PLAN:

Carefully complete this entire form. Type or print neatly using dark ink that will reproduce on a copy machine. Attach extra sheets as needed to answer the questions in the detail needed to describe the hazards at your business.

NOTIFICATION PROCEDURES - in the event of reportable hazardous materials or waste release or threatened release:

1. Will the State Office of Emergency Services, OES, (telephone number 1-800-852-7550 or 1-916-427-4341) immediately be notified? Check one: X yes ___no.

2. Will local emergency response personnel immediately be notified by dialing 911? Check one: X yes ___ no. If business has an additional emergency response notification system, explain here.

7. PREVENTION - Describe what action your business will take to prevent a hazardous materials or waste release from occurring.

a. All hazardous material is surrounded by berms to prevent an incident from occurring that would effect human health and the environment.

b. Separation of incompatible materials.

8. ABATEMENT (STOP THE HAZARD): Describe what actions your business will take to stop any hazard caused by the release of a hazardous material or waste.

The response team leader shall determine the capability of mitigating a release. Consideration of the protection of human life and safety and that of the environment shall be first priority. Should the incident be beyond the response team's capability, evacuation alarm shall be sounded. At which point, all processes and equipment shall be terminated associated with the incident. Containment measures shall be taken to protect the outside environment, such as absorbent and damming procedures.

EMPLOYEE TRAINING

9. Describe the training new employees who work with hazardous materials or waste receive on safe handling.

All personnel receive training program on hazardous material handling. Labeling of containers, MSDS sheets, proper protective equipment that must be worn. Required chemical separation of hazardous materials. Transporting of chemicals throughout the facility. The training program is conducted twice a year, documented and given to all new employees upon hiring.

10. Describe the refresher training employees who work with hazardous materials or waste receive on safe handling.

Refresher training is given to all employees twice a year with the personnel records noted and maintained for a period of three years. Special emphasis is on proper labeling, MSDS sheets, location and proper use of safety equipment and spill containment, and location of all main power, water, and gas shut off-valves.

EMPLOYEE TRAINING

11. Describe how new employees are trained who are responsible for coordinating with local emergency response organizations.

Emergency coordinator will notify outside response agencies in the event of an incident requiring their assistance. A call back telephone number shall be given to the responding agencies. The emergency coordinator will assist and direct responders to all areas involved in the incident. Emergence Response Plan will be given to all agencies to assist in mitigating emergencies prior to their occurrence.

12. Describe the refresher training for employees who are responsible for coordinating with local emergency response organizations.

Refresher training will be conducted twice a year on proper notification of outside response agencies in the event of an incident requiring their assistance. A call back telephone number shall be given to the responding agencies. The emergency coordinator will assist and direct responders to all areas involved in the incident.

13. Describe the training for new employees who are responsible for responding to a hazardous materials or waste release on the use of emergency response equipment and supplies.

Spill containment equipment shall be supplied and maintained in all areas of most probable danger regarding hazardous chemicals. The response team shall be trained in the proper use of this equipment. This will include protective personal gear and fire extinguishers. This training shall be documented.

14. Describe the refresher training for employees who are responsible for responding to a hazardous materials or waste release on the use of emergency response equipment and supplies.

Refresher training shall be conducted twice a year on proper use of spill containment equipment supplied and maintained in all areas of most probable danger regarding hazardous chemicals. This training shall include proper use of protective personal gear and fire extinguishers. This training shall be documented.

SIGNATURE OF BUSINESS OWNER OR AUTHORIZED REPRESENTATIVE: B Blackshaw DATE: 5/6/92

DATE 4-21-05 NEW USER ☐

INSPECTOR'S NAME KURIMOTO INSPECTOR NO. 449

BUSINESS NO. 3249

BUSINESS NAME Accurate Engrs

8, 12, 18, 24, 28, 41, 42, 44, 50, 52, 55, 56, 70, 74, 75, 76, 77, 81, 82, 87, 91, 96, 98, 103, 104, 107

ACTION: *(Automatically entered by Data Entry)*

- ☐ (EJ) Disclosure Amendment or Additional Applications Given or Sent
- ☐ (BI) Notification of Business Plan Requirements
- ☒ (DA) Approval of Business Plan *(Date)* 4/21/05
- ☐ (VA) Inventory Verified By On-Site Inspection *(Date)*
- ☐ (EG) Warning Notice for Failure to Disclose
- ☐ (BG) Warning Notice for Failure to Submit Business Plan
- ☐ Medical Exemption Approved *(Signature)*

DATA ENTRY INSTRUCTIONS: *(Circle desired form to make instruction clear and check off appropriate boxes)*

- ☒ Enter Highlighted Changes on BP-1 / BP-8
- ☐ Enter Inventory On Amendment / Disclosure
- ☐ Inactivate Business *(Journal Entry Should Be Included)*
- ☐ Other Instructions: *(For example: Enter I Codes; Combine Businesses under one BP number)*

OCC. JURISDICTION HIRS HZMT IND ENS VPSU VS&C CO See Reverse For Journal ☐

INSPECTOR TIMEKEEPING: I1 _____ I2 _____ I3 _____

K-5 (Emergency Information) _____ K-6 (Inventory) _____

K-7 (Business Plans) _____ K-8 (Site Map) _____

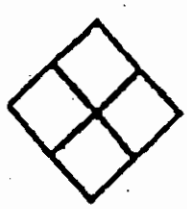
K-9 (Other Code Enforcement) _____ *(K-Codes are entered automatically)*

STATUS:	YES	NO
Business Plan Required	☐	☐
Government Agency	☐	☐
Cancel Certificate	☐	☐

Reason: ☐ Out of Business ☐ Moved Location ☐ No Hazardous Materials ☐ Change of Ownership ☐ Below Disclosure Level

704 DATA: Write out in linear format (i.e., 2-3-2 COR)

_____



Area Covered by Placard:

_____

_____

Data Entry Name: Date Entry Date:

JOURNAL: *(Document who you contacted, inspection notes, and any other relevant information)*

- [x] Verified Inventory
- [ ] Approved Business Plan
- [ ] Inactivate Business
- [ ] Approved Disclosure Application
- [ ] Approved Amendment
- [ ] Left Disclosure Information
- [ ] Left Business Plan Information

Field Verification/Spoke With: Hiten Gohil

NEW USER

Primary Situs Address: _____

Mailing Address: _____

Business Name: _____ Phone No.: ( ) _____

Business Owner Name: _____ Phone No.: ( ) _____

On-Site Manager Name: _____ Phone No.: ( ) _____

Property Situs Address: _____ Phone No.: ( ) _____

Secondary Situs Address: _____

Property Owner Address: _____

Business No.: Temp. Permit No.: F.S DIST.:

Data Entry Name: Add to File Date:

City of LOS ANGELES
CALIFORNIA

LOS ANGELES FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3680

BUSINESS INFORMATION

Printed on: 04/12/2005

INSTRUCTIONS : Please complete and sign this form; your signature indicates that the information, as supplied, is accurate.

Business Number: fa0003249 This is your current business plan number. This number must appear on all business plan forms!
Business Name : ACCURATE ENGINEERING CORP

Address Where Business is Conducted : 8710 N TELFAIR AV, SUN VALLEY, CA 91352
Mailing Address : 8710 N TELFAIR AV SUN VALLEY, CA 91352
Other On-Site Addresses:

Briefly describe the nature of the hazardous materials operations:

Number of Employees: ~~0~~ 22
SIC Code : 3672
Dun & Bradstreet Number:

CONTACT	WORK #	24 HOUR #	PAGER #	OTHER #
Owner Name: ACCURATE ENGINEERING CORP	~~(818) 348-4289~~			
On-Site Manager:				
Emergency Contact: HITEN GOLAKIEA	(818) 768-3919			
2nd Emergency Contact:				

X _____ _____ _____
Signature of Legal Business Owner/Authorized Representative **Title** **Date**

Business Plan has been reviewed and approved: _____

Office Use Only Insp. ID: _____ Date: _____ D/E ID: _____ Date: _____ TS: _____

City of LOS ANGELES
CALIFORNIA

LOS ANGELES
FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3680

Hazardous Materials System
BP-8: Computer Listing of Inventory Submitted
Inspection Responsibility: VIU

Business No : fa0003249
First In : 077
Block # :

Printed on: 4/12/2005

Business Name : ACCURATE ENGINEERING CORP
Business Owner : ACCURATE ENGINEERING CORP
On-Site Manager :
Emergency Contact : HITEN GOLAKIEA
Alt Emergency Contact:

Business Address: 8710 N TELFAIR AV,
SUN VALLEY, CA 91352
Phone # :
Phone # : (818) 768-3919 Ext:
Phone # : Ext:

Last Inspection Date: 03/13/2002
SIC Code : 3672
# of Employees :
Sq. Ft. of Facility : N/A
Permit Date : 09/16/2002

LOCATION: COPPER PLATING — **NFPA-704: N/A** — **Products: 2**

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
COPPER PLATING BATH 1 (DIP TANKS)	WASTE	420.00GALLONS	LIQUID	

Hazard Class: IRRITANTS
Storage Type: ABOVEGROUND TANK

Ingredients	Max %	CAS #
COPPER SULFATE		7758987
SULFURIC ACID		7664939
HYDROCHLORIC ACID		7647010
WATER		7732185

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
COPPER PLATING BATH 2 (DIP TANKS	WASTE	365.00GALLONS	LIQUID	

Hazard Class: IRRITANTS
Storage Type: ABOVEGROUND TANK

Ingredients	Max %	CAS #
COPPER SULFATE		7758987
SULFURIC ACID		7664939
HYDROCHLORIC ACID		7647010
WATER		7732185

LOCATION: ETCHING — **NFPA-704: N/A** — **Products: 1**

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
NETEX ETCHANT 9110	PURE	110.00GALLONS	LIQUID	

Hazard Class: CORROSIVE MATERIAL
Storage Type: STEEL DRUM

Ingredients	Max %	CAS #
AMMONIUM HYDROXIDE		1336216

LOCATION: PARKING LOT — **NFPA-704: N/A** — **Products: 2**

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
ACID COPPER PLATING SOLUTION (WASTE)	WASTE	110.00GALLONS	LIQUID	

Hazard Class: IRRITANTS
Storage Type: STEEL DRUM

Ingredients	Max %	CAS #
COPPER SULFATE		7758987
SULFURIC ACID		7664939

HYDROCHLORIC ACID		7647010
WATER		7732185

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
SPENT 9110 (WASTE)	WASTE	**220.00GALLONS**	LIQUID	
Hazard Class: IRRITANTS		*Storage Type:* STEEL DRUM		

Ingredients	Max %	CAS #
CUPRIC AMMONIUM CHLORIDE		
AMMONIUM CHLORIDE		12125029
COPPER		7440508
WATER		7732185
CUPRIC CHLORIDE		*1344678*

LOCATION: PLATING **NFPA-704: N/A** **Products: 6**

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
1,1,1-TRICHLOROETHANE	PURE	**55.00GALLONS**	LIQUID	
Hazard Class: OTHER REQULATED MATERIAL		*Storage Type:* STEEL DRUM		

Ingredients	Max %	CAS #
1,1,1-TRICHLOROETHANE		71556

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
NICKEL PLATING 1	WASTE	**85.00GALLONS**	LIQUID	
Hazard Class: OTHER REQULATED MATERIAL		*Storage Type:* ABOVEGROUND TANK		

Ingredients	Max %	CAS #
NICKEL		7440020
NICKEL SULFATE HEXAHYDRATE		10101970
NICKEL CHLORIDE		7718549
WATER		7732185

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
NICKLE PLATING 2	WASTE	**65.00GALLONS**	LIQUID	
Hazard Class: OTHER REQULATED MATERIAL		*Storage Type:* ABOVEGROUND TANK		

Ingredients	Max %	CAS #
NICKEL		7440020
NICKEL SULFATE HEXAHYDRATE		10101970
NICKEL CHLORIDE		7718549
WATER		7732185

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
SELECT STRIP	PURE	**55.00GALLONS**	LIQUID	
Hazard Class: CORROSIVE MATERIAL		*Storage Type:* STEEL DRUM		

Ingredients	Max %	CAS #
AMMONIUM HYDROGEN FLUORIDE		1341497
HYDROGEN PEROXIDE ,		7722841

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
SOLDER PLATING 1	WASTE	**85.00GALLONS**	LIQUID	
Hazard Class: CORROSIVE MATERIAL		*Storage Type:* ABOVEGROUND TANK		

Ingredients	Max %	CAS #

FLUOBORIC ACID	16872110
STANNOUS FLUOBORATE SOLUTION	13814976
LEAD FLUOBORATE	13814965
WATER	7732185

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
SOLDER PLATING 2	WASTE	**200.00GALLONS**	LIQUID	

Hazard Class: CORROSIVE MATERIAL *Storage Type:* ABOVEGROUND TANK

Ingredients	*Max %*	*CAS #*
FLUOBORIC ACID		16872110
STANNOUS FLUOBORATE SOLUTION		13814976
LEAD FLUOBORATE		13814965
WATER		7732185

LOCATION: TRAILER **NFPA-704: N/A** **Products: 3**

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
1,1,1-TRICHLOROETHANE	PURE	**55.00GALLONS**	LIQUID	

Hazard Class: OTHER REQULATED MATERIAL *Storage Type:* STEEL DRUM

Ingredients	*Max %*	*CAS #*
1,1,1-TRICHLOROETHANE		71556
CYCLIC ETHER		

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
METEX ETCHANT 9110	PURE	**55.00GALLONS**	LIQUID	

Hazard Class: CORROSIVE MATERIAL *Storage Type:* STEEL DRUM

Ingredients	*Max %*	*CAS #*
AMMONIUM HYDROXIDE		1336216

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
ULTRA BRIGHT 9226	PURE	**55.00GALLONS**	LIQUID	

Hazard Class: CORROSIVE MATERIAL *Storage Type:* STEEL DRUM

Ingredients	*Max %*	*CAS #*
HYDROCHLORIC ACID		7647010
THIOUREA		62566

03/13/2002 My signature indicates that I have verified and agreed with the types and quantities of hazadous materials at this address

INSP SIG: _____ INSP. DATE: _____ BUS. REP. SIG: X _____ DATE: _____ DE. SIG.: _____ DATE _____

DATE 3-15-02 NEW USER ☐

INSPECTOR'S NAME KURIMOTO INSPECTOR NO. 449

BUSINESS NO. #249-1 FS 8 18 19 23 24 28 37 41

BUSINESS NAME Accurate Signs 70 71 74 75 76 77 81 82 87 91

ACTION: *(Automatically entered by Data Entry)* 96 98 103 104 107

- ☐ (EJ) Disclosure Amendment or Additional Applications Given or Sent
- ☐ (BI) Notification of Business Plan Requirements
- ☒ (DA) Approval of Business Plan *(Date)* 3-12-02
- ☒ (VA) Inventory Verified By On-Site Inspection *(Date)* 3-12-02
- ☐ (EG) Warning Notice for Failure to Disclose
- ☐ (BG) Warning Notice for Failure to Submit Business Plan
- ☐ Medical Exemption Approved *(Signature)*

DATA ENTRY INSTRUCTIONS: *(Circle desired form to make instruction clear and check off appropriate boxes)*

- ☒ Enter Highlighted Changes on BP-1 / BP-8 No Changes
- ☐ Enter Inventory On Amendment / Disclosure
- ☐ Inactivate Business *(Journal Entry Should Be Included)*
- ☐ Other Instructions: *(For example: Enter I Codes; Combine Businesses under one BP number)*

OCC. JURISDICTION HIRS HZMT VIND VINS VPSU VS&C CO See Reverse For Journal ☐

INSPECTOR TIMEKEEPING: I1 .5 I2 _____ I3 .5

K-5 (Emergency Information)_____ K-6 (Inventory) _____

K-7 (Business Plans)_____ K-8 (Site Map) _____

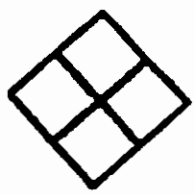
K-9 (Other Code Enforcement)_____ *(K-Codes are entered automatically)*

STATUS:	YES	NO
Business Plan Required	☐	☒
Government Agency	☐	☒
Cancel Certificate	☐	☒

Reason:
- ☐ Out of Business
- ☐ Moved Location
- ☐ No Hazardous Materials
- ☐ Change of Ownership
- ☐ Below Disclosure Level

704 DATA: Write out in linear format (i.e., 2-3-2 COR)

_____



Area Covered by Placard:

_____

_____

Data Entry Name: CF Data Entry Date: 3/15/02

JOURNAL: ***(Document who you contacted, inspection notes, and any other relevant information)***

- [x] Verified Inventory
- [x] Approved Business Plan
- [ ] Inactivate Business
- [ ] Approved Disclosure Application
- [ ] Approved Amendment
- [ ] Left Disclosure Information
- [ ] Left Business Plan Information

Field Verification/Spoke With: Hiten Patel

NEW USER

Primary Situs Address: _____

Mailing Address: _____

Business Name: _____ Phone No.: ( ) _____

Business Owner Name: _____ Phone No.: ( ) _____

On-Site Manager Name: _____ Phone No.: ( ) _____

Property Situs Address: _____ Phone No.: ( ) _____

Secondary Situs Address: _____

Property Owner Address: _____

Business No.: Temp. Permit No.: F.S DIST.:

Data Entry Name: Add to File Date:

CITY OF LOS ANGELES
CALIFORNIA

Business Information

DEPARTMENT OF FIRE
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 485-8080

Printed on: 02/25/2002

INSTRUCTIONS: Please complete and sign this form; your signature indicates that the information, as supplied, is accurate.

Business Number: 003249-1 This is your current business plan number. This number must appear on all business plan forms!

Business Name: ACCURATE ENGINEERING CORP

Address Where Business is Conducted: 8710 N TELFAIR AV
LOS ANGELES, 91352

Mailing Address: 8710 N TELFAIR AV
SUN VALLEY, CA 91352

Other On-Site Addresses:

Briefly describe the nature of the hazardous materials operations: _____

Number of Employees: 20 **Dun & Bradstreet Number:** - -

SIC Code: 3672

CONTACT	WORK #	24 HOUR #	PAGER #
Owner Name: ACCURATE ENGINEERING CORP	(818)768-3919	( ) -	( ) -
On-Site Manager: RASHESH PATEL	(818)768-3919		( ) -
Emergency Contact: HITEN GOLAKIEA	(818)768-3919		) -
2nd Emergency Contact: RASHESH PATEL	(818)768-3919		) -

X _____ VP 3-13-2002

Signature of Legal Business Owner/Authorized Representative **Title** **Date**

Business Plan has been reviewed and approved: _____

Office Use Only Insp. ID: _____ Date: _____ D/E ID: _____ Date: _____ TS: _____

CITY OF LOS ANGELES
CALIFORNIA

DEPARTMENT OF FIRE
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 485-8080

Hazardous Materials System

BP-8: Computer Listing of Inventory Submitted

Inspection Responsibility: VI

Business No: 003249-1
First In: 077

Printed on: 02/25/2002

Business Name:	ACCURATE ENGINEERING CORP	Business Address:	8710 N TELFAIR AV	Last Inspection Date:	03/03/1999
Business Owner:	ACCURATE ENGINEERING CORP		LOS ANGELES, 91352	SIC Code:	3672
On-Site Manager:	RASHESH PATEL	Phone #:	(818)768-3919	# of Employees:	20
Emergency Contact:	HITEN GOLAKIEA	Phone #:	(818)768-3919	Sq. Ft. of Facility:	10000
Alt Emerg Contact:	RASHESH PATEL	Phone #:	(818)768-3919	Permit Date:	09/17/2001

Chemical & Ingredients	WST	Max Quantity on Hand	Max %	Storage Types CAS #	Fed Haz Category	State	Hazard Class
Location: COPPER PLATING	**NFPA-704: - -**						**Products: 2**
COPPER PLATING BATH 2 (DIP TANKS	WASTE	365 GALLONS		ABOVEGROUND	ACUTE HEALTH	LIQUID	IRRITANTS
COPPER SULFATE			0%	0000007758987			
SULFURIC ACID			0%	0000007664939			
HYDROCHLORIC ACID			0%	0000007647010			
WATER			0%	0000007732185			
COPPER PLATING BATH 1 (DIP TANKS)	WASTE	420 GALLONS		ABOVEGROUND	ACUTE HEALTH	LIQUID	IRRITANTS
COPPER SULFATE			0%	0000007758987			
SULFURIC ACID			0%	0000007664939			
HYDROCHLORIC ACID			0%	0000007647010			
WATER			0%	0000007732185			
Location: ETCHING	**NFPA-704: - -**						**Products: 1**
NETEX ETCHANT 9110	PURE	110 GALLONS		STEEL DRUM	CHRONIC HEALTH	LIQUID	CORROSIVE MATERIAL
AMMONIUM HYDROXIDE			0%	0000001336216			
Location: PARKING LOT	**NFPA-704: - -**						**Products: 2**
ACID COPPER PLATING SOLUTION (WASTE)	WASTE	110 GALLONS		STEEL DRUM	CHRONIC HEALTH	LIQUID	IRRITANTS
COPPER SULFATE			0%	0000007758987			
SULFURIC ACID			0%	0000007664939			
HYDROCHLORIC ACID			0%	0000007647010			
WATER			0%	0000007732185			
SPENT 9110 (WASTE)	WASTE	220 GALLONS		STEEL DRUM	CHRONIC HEALTH	LIQUID	IRRITANTS
CUPRIC AMMONIUM CHLORIDE			0%				

AMMONIUM CHLORIDE			0%	0000012125029			
COPPER			0%	0000007440508			
WATER			0%	0000007732185			
CUPRIC CHLORIDE			0%	0000001344678			

Location: PLATING — NFPA-704: - - — Products: 6

1,1,1-TRICHLOROETHANE	PURE	55 GALLONS		STEEL DRUM	CHRONIC HEALTH	LIQUID	OTHER REQULATED MATERIAL
1,1,1-TRICHLOROETHANE			0%	0000000071556			
SELECT STRIP	PURE	55 GALLONS		STEEL DRUM	CHRONIC HEALTH	LIQUID	CORROSIVE MATERIAL
AMMONIUM HYDROGEN FLUORIDE			0%	0000001341497			
HYDROGEN PEROXIDE			0%	0000007722841			
NICKEL PLATING 1	WASTE	85 GALLONS		ABOVEGROUND	ACUTE HEALTH	LIQUID	OTHER REQULATED MATERIAL
NICKEL			0%	0000007440020			
NICKEL SULFATE HEXAHYDRATE			0%	0000010101970			
NICKEL CHLORIDE			0%	0000007718549			
WATER			0%	0000007732185			
SOLDER PLATING 2	WASTE	200 GALLONS		ABOVEGROUND	ACUTE HEALTH	LIQUID	CORROSIVE MATERIAL
FLUOBORIC ACID			0%	0000016872110			
STANNOUS FLUOBORATE SOLUTION			0%	0000013814976			
LEAD FLUOBORATE			0%	0000013814965			
WATER			0%	0000007732185			
SOLDER PLATING 1	WASTE	85 GALLONS		ABOVEGROUND	ACUTE HEALTH	LIQUID	CORROSIVE MATERIAL
FLUOBORIC ACID			0%	0000016872110			
STANNOUS FLUOBORATE SOLUTION			0%	0000013814976			
LEAD FLUOBORATE			0%	0000013814965			
WATER			0%	0000007732185			
NICKLE PLATING 2	WASTE	65 GALLONS		ABOVEGROUND	ACUTE HEALTH	LIQUID	OTHER REQULATED MATERIAL
NICKEL			0%	0000007440020			
NICKEL SULFATE HEXAHYDRATE			0%	0000010101970			
NICKEL CHLORIDE			0%	0000007718549			
WATER			0%	0000007732185			

Location: TRAILER — NFPA-704: - - — Products: 3

METEX ETCHANT 9110	PURE	55 GALLONS		STEEL DRUM	CHRONIC HEALTH	LIQUID	CORROSIVE MATERIAL
AMMONIUM HYDROXIDE			0%	0000001336216			
ULTRA BRIGHT 9226	PURE	55 GALLONS		STEEL DRUM	CHRONIC HEALTH	LIQUID	CORROSIVE MATERIAL
HYDROCHLORIC ACID			0%	0000007647010			

THIOUREA			0%	0000000062566			
1,1,1-TRICHLOROETHANE	PURE	55 GALLONS		STEEL DRUM	CHRONIC HEALTH	LIQUID	OTHER REQULATED MATERIAL
1,1,1-TRICHLOROETHANE			0%	0000000071556			
CYCLIC ETHER			0%				

My signature indicates that I have verified and agreed with the types and quantities of hazardous materials at this address

INSP SIG: _____ INSP DATE: _____ BUS. REP SIG: X _____ DATE: 3-13-2012 DE SIG: _____ DATE: _____

Total Pages: 3

ANNUAL INVENTORY UPDATE

ACCURATE ENGINEERING CORP

8710 N. TELFAIR AV.
LOS ANGELES, CA. 91352

Facility ID: 003249-1

California Health and Safety Code Chapter 6.95 requires all handlers of hazardous materials to ***annually update*** *their hazardous material inventory with the local administering agency on or before* ***March 1.*** *The Los Angeles Fire Department, as that agency, processes and maintains business emergency response plans and inventories for businesses within the City.*

Annual Inventory Update (choose one method):

☐ **Modify existing business information and inventory** (attached to this letter) **OR**

☐ **Submit entire inventory** (complete business information and chemical inventory forms) **OR**

☑ **Complete Certification Statement** (below) stating that the most recent inventory (attached to this letter) is complete, accurate and up to date.

The Certification Statement can be used if all of the following apply:

1. *Business has previously filed the hazardous materials inventory report*
2. *Company official signs* ***Certification Statement*** *and attests to:*
   a) *most recently submitted inventory is complete, accurate and up to date*
   b) *no change in quantity of hazardous materials in that inventory*
   c) *all hazardous materials are listed in that inventory*
3. *Business is not subject to EPCRA (Emergency Planning and Community Right to Know Act) reporting requirements*

CERTIFICATION STATEMENT:

I certify that I am the business owner or officially designated representative of the business listed at the top of this form.

I certify that the information contained in the hazardous materials inventory most recently submitted to the Los Angeles Fire Department CUPA is complete, accurate, and up to date.

And that there has been no change in the quantity of hazardous materials reported in the most recently submitted inventory.

And that no hazardous materials subject to inventory requirements are being handled that are not listed on the most recently submitted inventory.

Rashesh Patel — *Name*

Rashesh — 2/28/2001 — *Date*

President — *Title*

Facility ID: 003249-1

RETURN TO:

City of Los Angeles Fire Department
Fire Prevention Bureau - Technical Section
200 N. Main Street, Room 970
Los Angeles, CA 90012

CITY OF LOS ANGELES
CALIFORNIA

MAYOR
RICHARD J. RIORDAN

Business Information

DEPARTMENT OF FIRE
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 485-6003
http://www.cityofla.org/dept/LAFD

INSTRUCTIONS: Please complete and sign this form; your signature indicates that the information, as supplied, is accurate.

Business Number: 003249-1 This is your current business plan number. This number must appear on all business plan forms!

Business Name: ACCURATE ENGINEERING CORP

Address Where Business is Conducted: 8710 N TELFAIR AV
LOS ANGELES, 91352

Mailing Address: 8710 N TELFAIR AV
SUN VALLEY, CA 91352

Other On-Site Addresses:

Briefly describe the nature of the hazardous materials operations:
Used in the manufacture of Printed Circuit Boards

Number of Employees: 20 **Dun & Bradstreet Number:** - -

SIC Code: 3672

CONTACT	WORK #	24 HOUR #	PAGER #
Owner Name: ACCURATE ENGINEERING CORP	(818)768-3919	( ) -	( ) -
On-Site Manager: Rashesh Patel	( ) - (818) 768-3919	( ) -	( ) -
Emergency Contact: Hiten Golakiea	( ) - (818) 768-3919	( ) -	( )
2nd Emergency Contact: Rashesh Patel	( ) - (818) 768-3919	( ) - (	( ) - (

CITY OF LOS ANGELES
CALIFORNIA

MAYOR
RICHARD J. RIORDAN

DEPARTMENT OF FIRE
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 485-6003
http://www.cityofla.org/dept/LAFD

Hazardous Materials System

BP-8: Computer Listing of Inventory Submitted

Inspection Responsibility: VI

Business No: 003249-1
First In: 077

Business Name:	ACCURATE ENGINEERING CORP	Business Address:	8710 N TELFAIR AV	Last Inspection Date:	03/03/1999
Business Owner:	ACCURATE ENGINEERING CORP		LOS ANGELES, 91352	SIC Code:	3672
On-Site Manager:		Phone #:	( ) -	# of Employees:	20
Emergency Contact:		Phone #:	( ) -	Sq. Ft. of Facility:	10000
Alt Emerg Contact:		Phone #:	( ) -		

Chemical & Ingredients	WST	Max Quantity on Hand		Storage Types	Fed Haz Category	State	Hazard Class
		Max %		CAS #			
Location: COPPER PLATING	**NFPA-704:**						**Products: 2**
COPPER PLATING BATH 2 (DIP TANKS	WASTE	365	GALLONS	ABOVEGROUND	ACUTE HEALTH	LIQUID	IRRITANTS
COPPER SULFATE		0%		0000007758987			
SULFURIC ACID		0%		0000007664939			
HYDROCHLORIC ACID		0%		0000007647010			
WATER		0%		0000007732185			
COPPER PLATING BATH 1 (DIP TANKS)	WASTE	420	GALLONS	ABOVEGROUND	ACUTE HEALTH	LIQUID	IRRITANTS
COPPER SULFATE		0%		0000007758987			
SULFURIC ACID		0%		0000007664939			
HYDROCHLORIC ACID		0%		0000007647010			
WATER		0%		0000007732185			
Location: ETCHING	**NFPA-704:**						**Products: 1**
NETEX ETCHANT 9110	PURE	110	GALLONS	STEEL DRUM	CHRONIC HEALTH	LIQUID	CORROSIVE MATERIAL
AMMONIUM HYDROXIDE		0%		0000001336216			
Location: PARKING LOT	**NFPA-704:**						**Products: 2**
ACID COPPER PLATING SOLUTION (WASTE)	WASTE	110	GALLONS	STEEL DRUM	CHRONIC HEALTH	LIQUID	IRRITANTS
COPPER SULFATE		0%		0000007758987			
SULFURIC ACID		0%		0000007664939			
HYDROCHLORIC ACID		0%		0000007647010			
WATER		0%		0000007732185			
SPENT 9110 (WASTE)	WASTE	220	GALLONS	STEEL DRUM	CHRONIC HEALTH	LIQUID	IRRITANTS
CUPRIC AMMONIUM CHLORIDE		0%					

AMMONIUM CHLORIDE	0%	0000012125029
COPPER	0%	0000007440508
WATER	0%	0000007732185
CUPRIC CHLORIDE	0%	0000001344678

Location: PLATING

NFPA-704:

Products: 6

1,1,1-TRICHLOROETHANE	PURE	55 GALLONS	STEEL DRUM	CHRONIC HEALTH	LIQUID	OTHER REQULATED MATERIAL
1,1,1-TRICHLOROETHANE		0%	0000000071556			
SELECT STRIP	PURE	55 GALLONS	STEEL DRUM	CHRONIC HEALTH	LIQUID	CORROSIVE MATERIAL
AMMONIUM HYDROGEN FLUORIDE		0%	0000001341497			
HYDROGEN PEROXIDE		0%	0000007722841			
NICKEL PLATING 1	WASTE	85 GALLONS	ABOVEGROUND	ACUTE HEALTH	LIQUID	OTHER REQULATED MATERIAL
NICKEL		0%	0000007440020			
NICKEL SULFATE HEXAHYDRATE		0%	0000010101970			
NICKEL CHLORIDE		0%	0000007718549			
WATER		0%	0000007732185			
SOLDER PLATING 2	WASTE	200 GALLONS	ABOVEGROUND	ACUTE HEALTH	LIQUID	CORROSIVE MATERIAL
FLUOBORIC ACID		0%	0000016872110			
STANNOUS FLUOBORATE SOLUTION		0%	0000013814976			
LEAD FLUOBORATE		0%	0000013814965			
WATER		0%	0000007732185			
SOLDER PLATING 1	WASTE	85 GALLONS	ABOVEGROUND	ACUTE HEALTH	LIQUID	CORROSIVE MATERIAL
FLUOBORIC ACID		0%	0000016872110			
STANNOUS FLUOBORATE SOLUTION		0%	0000013814976			
LEAD FLUOBORATE		0%	0000013814965			
WATER		0%	0000007732185			
NICKLE PLATING 2	WASTE	65 GALLONS	ABOVEGROUND	ACUTE HEALTH	LIQUID	OTHER REQULATED MATERIAL
NICKEL		0%	0000007440020			
NICKEL SULFATE HEXAHYDRATE		0%	0000010101970			
NICKEL CHLORIDE		0%	0000007718549			
WATER		0%	0000007732185			

Location: TRAILER

NFPA-704:

Products: 3

METEX ETCHANT 9110	PURE	55 GALLONS	STEEL DRUM	CHRONIC HEALTH	LIQUID	CORROSIVE MATERIAL
AMMONIUM HYDROXIDE		0%	0000001336216			
ULTRA BRIGHT 9226	PURE	55 GALLONS	STEEL DRUM	CHRONIC HEALTH	LIQUID	CORROSIVE MATERIAL
HYDROCHLORIC ACID		0%	0000007647010			

THIOUREA			0%	0000000062566			
1,1,1-TRICHLOROETHANE	PURE	55 GALLONS		STEEL DRUM	CHRONIC HEALTH	LIQUID	OTHER REQULATED MATERIAL
1,1,1-TRICHLOROETHANE			0%	0000000071556			
CYCLIC ETHER			0%				

My signature indicates that I have verified and agreed with the types and quantities of hazardous materials at this address

INSP SIG: Blasher INSP DATE: 2/28/01 BUS. REP SIG: Blasher DATE: 2/28/01 DE SIG: _____ DATE: _____

Total Pages: 3

Department of Toxic Substances Control

Edwin F. Lowry, Director
5796 Corporate Avenue
Cypress, California 90630

Winston H. Hickox
Secretary for
Environmental
Protection

Gray Davis
Governor

3249-1

June 15, 2000

Mr. Rashesh Patel
Accurate Engineering Corporation
8710 Telfair Avenue
Sun Valley, California 91352
EPA ID No. CAD 980 892 509

STIPULATION AND ORDER: DOCKET NO: SRPD 99/00 SNS-4046

Dear Mr. Patel:

Enclosed for your signature is the Stipulation and Order (Order) which incorporates the areas of agreement for corrective action as discussed during our meeting on June 1, 2000. Please review and have an authorized representative of Accurate Engineering Corporation sign the Order, and return the signed Order within fifteen (15) days of receipt to the address below:

Department of Toxic Substances Control
State Regulatory Programs Division
Southern California Branch
5796 Corporate Avenue
Cypress, California 90360
Attention: Ms. Sonia S. Low

A copy of the final Order will be sent to you after it is signed by DTSC. Please note that the Order will not become effective until the date it is signed by DTSC.

If you have any questions regarding this letter or Order, please contact Mr. Nebu John, Hazardous Substances Scientist, at (714) 484-5475.

Sincerely,

for

Sonia S. Low
Section Chief
Southern California Branch
State Regulatory Programs Division

Enclosure

Certified Mail
Z 300 959 472
Return Receipt Requested

cc: Mr. Patrick Engel
Battalion Chief
Los Angeles City Fire Department
200 North Main Street, City Hall East,
Los Angeles, California 90012

AMENDMENT FORM

JUN 09 1992

CERTIFICATE OF DISCLOSURE OF HAZARDOUS SUBSTANCES

B/# 3249-1 PART A

INSTRUCTIONS: DO NOT USE THIS FORM FOR A CHANGE IN THE BUSINESS LOCATION OR THE BUSINESS OWNER. AN INITIAL APPLICATION MUST BE SUBMITTED WHEN A BUSINESS MOVES TO A NEW LOCATION OR CHANGES OWNERSHIP.

COMPLETE ALL ITEMS BELOW. TYPE OR PRINT NEATLY. MAIL PARTS A, B AND C TO: LOS ANGELES CITY FIRE DEPARTMENT, HAZARDOUS MATERIALS SECTION, 200 NORTH MAIN STREET, ROOM 990-B, LOS ANGELES, CA. 90012.

LAFD # 040305-001-0 BUSINESS TAX ACCOUNT # 988714-53 SIC CODE # 3672

BUSINESS SITE ADDRESS 8710 Telfair Avenue UNIT #

CITY Sun Valley STATE CA ZIP 91325

LEGAL NAME OF BUSINESS ACCURATE ENGINEERING CORPORATION

NAME OF BUSINESS OWNER Robert H. Baker PHONE (818) 768-3919

NAME OF ON-SITE MANAGER Thomas M. Garcy PHONE (818) 768-3919

PRIMARY EMERGENCY CONTACT Robert H. Baker 24 HR EMERGENCY PHONE

ALTERNATE EMER. CONTACT Chuck Prewitt 24 HR EMERGENCY PHONE

DOING BUSINESS AS (DBA) IN CARE OF

BUSINESS MAILING ADDRESS 8710 Telfair Avenue, Sun Valley, CA 91325

NAME OF PROPERTY OWNER Rosalie Palmer

MAILING ADDRESS 1935 Lincoln Road, Yuba City, CA 95993 PHONE

BRIEFLY DESCRIBE THE NATURE OF HAZARDOUS OPERATION

Manufacturing process for printed circuit boards

PERMIT INFORMATION: IF YOUR BUSINESS HAS A PERMIT ISSUED FOR HAZARDOUS SUBSTANCES OR WASTES, LIST THE PERMIT NUMBER.

	PERMIT NUMBER
A. L.A. FIRE DEPT. (FIRE PERMIT)	
B. L.A. BUREAU OF SANITATION (INDUSTRIAL WASTE)	W-444737
C. SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	
D. STATE HEALTH SERVICES (RADIOACTIVE MAT'L LICENSE)	
E. L.A. COUNTY HEALTH DEPT. (GENERATORS HAZARDOUS WASTE)	
F. E.P.A. IDENTIFICATION NO. (GENERATORS HAZARDOUS WASTE)	CAD980892509
G. E.P.A. IDENTIFICATION NO. (HAZARDOUS WASTE HAULER)	
H. E.P.A. IDENTIFICATION NO. (HAZARDOUS WASTE FACILITY-TSD)	
I. REGIONAL WATER QUALITY CONTROL BOARD	
J. CAL-OSHA (CARCINOGEN REGISTRATION)	
K. OTHER AGENCY (SPECIFY)	

IT IS UNLAWFUL FOR ANY PERSON TO KNOWINGLY VIOLATE ANY PROVISION OF THIS ORDINANCE. I CERTIFY UNDER PENALTY OF PERJURY, THAT THE ABOVE INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I AGREE TO COMPLY WITH ALL REGULATIONS, LAWS AND ORDINANCES PERTAINING TO OR RELATING TO THE ABOVE BUSINESS THAT ARE NOW IN EFFECT OR THAT MAY BE HEREAFTER ADDED.

SIGNATURES MUST BE INCLUDED.

B. B. Warshauer, R.E.A. 6/2/92

SIGNATURE OF BUSINESS OWNER OR AUTHORIZED REPRESENTATIVE/TITLE/ DATE

BUDD B. WARSHAUER, R.E.A.
Environmental Staff Consultant

6/2/92

SIGNATURE OF ON-SITE MANAGER DATE

FOR OFFICE USE ONLY

RECEIVED BY INIT. DH DATE 6-9-92 LAFD SIGNATURE DATE

DATA ENTRY INIT. DATE CODE (800, 801 or 81D) 902 #

BUSINESS INFORMATION (BP-1)

INSTRUCTIONS: The information below was submitted by your business to the Los Angeles City Fire Department. Review all the information and make any necessary changes to update your record. Cross out any information that is incorrect and insert the correct or missing information in the space provided. Sign the bottom of this form. Your signature indicates that this information is accurate as corrected by you.

LAFD Number: 040305-001-0 THIS IS YOUR CURRENT LAFD ACCOUNT NUMBER. THIS NUMBER MUST APPEAR ON ALL BUSINESS PLAN FORMS!

Address Where Business Is Conducted: 8710 TELFAIR AVE. Zip Code: 91352

Unit Type: BUILDING Unit Number: 8710

(Examples of Unit Types: apartment, bay, building, berth, basement, dock, floor, foyer, gate, hangar, loft, level, mezzanine, office, pad, penthouse, pier, roof, room, runway, stage, shop, slip, space, stall, suite, terminal, track, unit.)

		WORK PHONE NUMBER
Business Owner Name:	ROBERT H. BAKER	(818) 768-3919
On-Site Manager:	THOMAS M. GARCY	(818) 768-3919

		EMERGENCY PHONE NUMBER (24-HOUR)
Emergency Contact:	ROBERT H. BAKER	[illegible]
Alternate Emergency Contact:	CHUCK PREWITT	(

Standard Industrial Classification (SIC) Code of Business: 3672

Below is your mailing address. Please make corrections on the space provided to the left.

ACCURATE ENGINEERING CORPORATION
8710 TELFAIR AVENUE
SUN VALLEY, CA 91352

Describe the business operations that use or handle hazardous materials:

MANUFACTURING PROCESS FOR PRINTED CIRCUIT BOARDS

Maximum number of employees: 19 Total square footage of facility: 10,000 Sq.Ft.

B B Warshauer, R.E.A — Signature of Business Owner or Authorized Representative

Envir Consltn — Title

5/6/92 — Date

| Office Use Only | 902:____ Insp. I.D.:____ Date:____ D/E I.D.: [illegible] Date: 6-9-92

JUN 09 1992

AIRCRAFT TANK SERVICING

8655 Tamarack Avenue

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 18085

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: Aircraft Tank Service

Appl. No. C32027

EQUIPMENT LOCATED AT: 8655 Tamarack Avenue, Sun Valley, California

EQUIPMENT DESCRIPTION AND CONDITIONS:

Spray Booth, DeVilbiss, Floor Filter Type, Model XDF-6207, 8' W x 8' H x 12'4" D, 12 Exhaust Filters and One 2 HP Exhaust Fan. Total - 2 HP.

FILE COPY

CONDITIONS:

1. This spray booth must not be operated unless all exhaust air passes through filter media at least 2 inches thick.

(CONTINUED ON PAGE 2)

This initial permit must be renewed by February 2, 1983 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminents in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAQMD 002 50000a 8025

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

BY Janice F. Moore

DATE February 2, 1982

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

CONTINUATION OF PERMIT NO. M18085
(MUST BE DISPLAYED WITH PERMIT)

CONDITIONS: - Continued

2. A gauge must be installed to indicate, in inches of water, the static pressure differential across the exhaust filters. In operation, the pressure differential must not exceed 0.25 inches of water.
3. The total quantity of coatings and solvents used in this equipment must not exceed 6 gallons in any one day.
4. Organic solvents used in this equipment must be clearly labeled as non-photochemically reactive by the supplier or, for bulk shipments, shown to be non-photochemically reactive on bills of lading or invoices.

16-500191 Rev 2/77

South Coast Air Quality Management District

Facility Equipment List Report

Facility: 6510 AIRCRAFT TANK SERV INC (O/B)
Last Inspection: 02/01/1982
SIC: 3444
Inspector:
Inspection Date:
Location Address: 8655 TAMARACK AVE, SUN VALLEY 91352 Sector:PC
Mailing Address: 8655 TAMARACK AVE, SUN VALLEY 91352 Sector:PC
Instruction:

MR: 0604
TS:
Facility Status: Out of Business
Assignment No.
Disposition:

Contact:
Quarter: none - do not inspect
On Hold:
Facility Team:

Suspended:

RECLAIM: N TITLE V: N SIP: AIR:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
C32027	M18085	02/02/1982	INACTIVE	60	CCAT	SPRAY BOOTH PAINT AND SOLVENT	01/01/1900	PERMIT TO OPERATE GRANTED

Report:

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

ALL VALLEY PLATING

11321 Goss Street

COUNTY OF LOS ANGELES DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL MANAGEMENT - HAZARDOUS WASTE CONTROL PROGRAM

REPORT OF INVESTIGATION

DATE JULY 23, 1986 DATE OF INVESTIGATION JUNE 3, 1986

INVESTIGATING OFFICER(S) WILLIAM JONES, INDUSTRIAL HYGIENIST

PHONE (213) 744-3235

NAME OF SUSPECT(S) / DEFENDANT(S) ALL VALLEY PLATING COMPANY, INC.;
LAWRENCE RUSSELL HORTON, PRESIDENT; SCOTT LAWRENCE HORTON, VICE-
PRESIDENT AND PLANT MANAGER

COMPANY NAME ALL VALLEY PLATING COMPANY PHONE (818) 768-7766

ADDRESS 11321 GOSS ST., SUN VALLEY, CA 91352

PRODUCT OR SERVICE PRODUCED METAL FINISHING

OWNERS, PRINCIPLE STOCKHOLDERS, ETC. SEE ABOVE

BUSINESS STRUCTURE CORPORATION

SEC. STATE HEALTH LAW: H & S CODE SEC. 25189.5(b); 25190
CAC SEC. 66508

LOCATION OF VIOLATION(S) 11321 GOSS ST., SUN VALLEY, CA 91352

BRIEF STATEMENT OF VIOLATION(S) ALL VALLEY PLATING COMPANY, INC.;
LAWRENCE HORTON, PRESIDENT; SCOTT HORTON, VICE-PRESIDENT DID KNOWINGLY
AND UNLAWFULLY DISPOSE OF AND STORE HAZARDOUS WASTES IN A MANNER NOT
AUTHORIZED BY STATE HAZARDOUS WASTE CONTROL LAWS.

TYPE OF WASTE DISCHARGED HEAVY METALS (CHROMIUM, ZINC, COPPER, CADMIUM);
CAUSTICS (pH GREATER THAN 12.5); AND VOLATILE SOLVENTS

DEFENDANT(S) PREVIOUS RECORD SEE REPORT

)

①

SCHEMATIC DIAGRAM

18"

TUJUNGA AVE.

8334
TUJUNGA AVE
THOROBRED
TRAILER

DOWN STREAM
SAMPLING M.H
ISCO AND
PH

11360
RENEK
MASONARY
CO.

RESIDENTIAL

8"

11355
- MIKE'S TRUCKING
- THE TRASH ARROW DISPOSAL CO.
- ACME TIRES
- VAN NUYS TOWING

11321
ALL VALLEY
PLATING CO.

11305

11285
BERKOL

11281
STATE FURNITURE CO

11273

UP STREAM
SAMPLING M.H
ISCO AND
PH

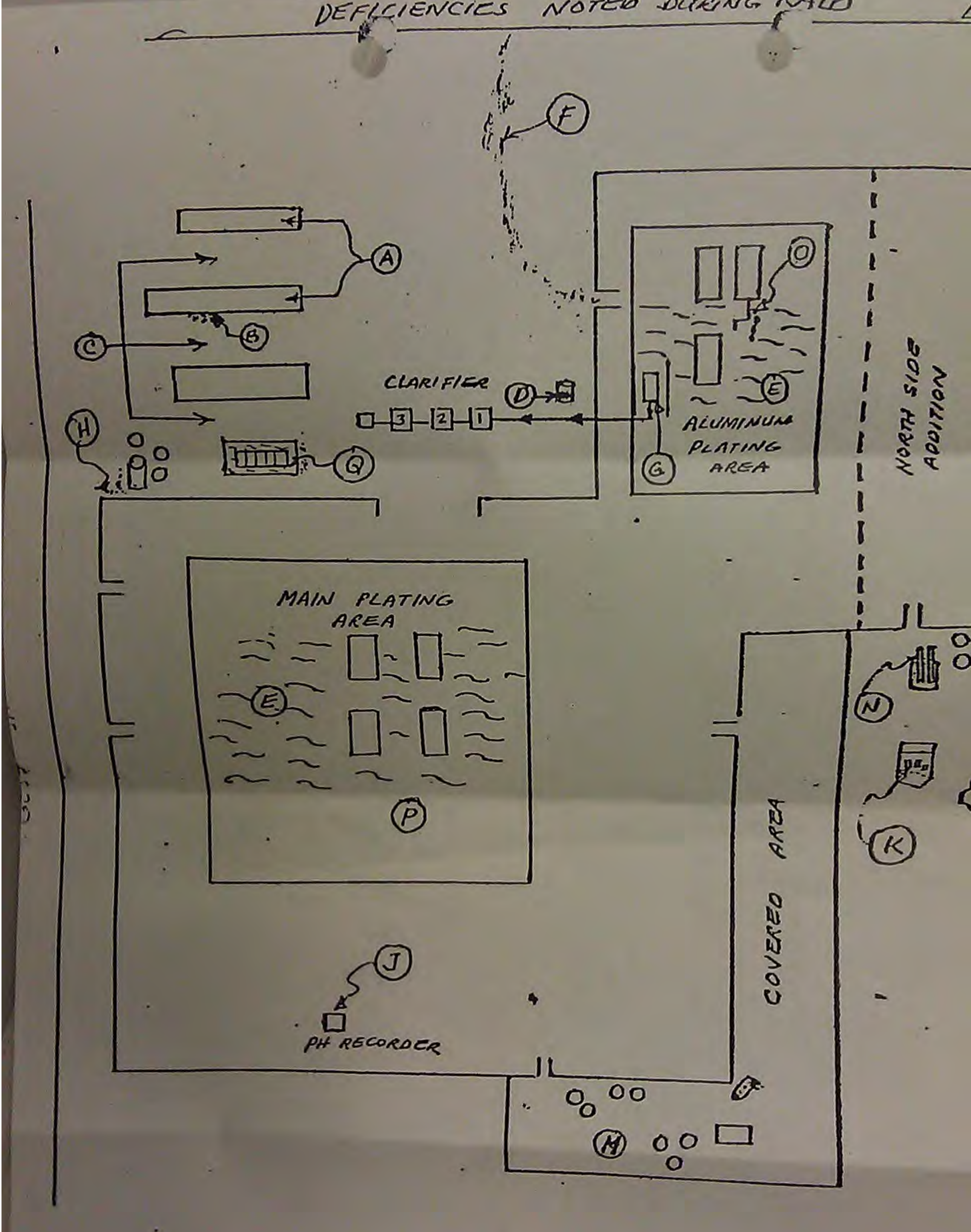
11324
LLOYD D.
WOODSON

RESIDENTIAL

GOSS ST.

N

DEFICIENCIES NOTED DURING RAID



CHARGING SECTION

On June 3, 1986, the following violations of the California Health and Safety Code, Division 20, Chapter 6.5, Article 8, of the Hazardous Waste Control Law were observed by the investigating officer:

SECTION 25189.5(b): Representatives of All Valley Plating Company did knowingly and unlawfully dispose of hazardous wastes to locations not authorized for such disposal.

TO WIT: Samples obtained from the clarifier sampling box; the ground below a hazardous waste storage tank; the drainage of the anodizing tanks bermed area; the rear storage area; and the regular trash bin contained heavy metals, corrosives, cyanides, and flammable solvents. In addition, samples taken by Los Angeles City Board of Public Works ISCO Samplers prior to and after June 3, 1986 contained corrosives and hexavalent chromium above State limits. (See photo's #8, 10,11,14, 40-43).

SECTION 25190: Representatives of All Valley Plating Company violated the requirements of the California Administrative Code as follows:

SECTION 66508 (a)(1): Containers holding hazardous waste were in violation of CAC Article 24 in that they were leaking, did not have tight fitting lids, and were not stored within a containment system to prevent runoff after spills or rain.

TO WIT: Numerous drums of various sizes and larger holding tanks (approximately 600 gallons) containing hazardous wastes were observed with no lids and were not within a containment area. In addition, contaminated wood and metal scrap were stored unprotected in an outside storage area (See photos #7, 12, 27, 29, 32, 34-37).

SECTION 66508: Containers holding hazardous wastes were not properly labeled and dated.

TO WIT: Numerous drums of various sizes and larger holding tanks (approximately 600 gallons) containing hazardous wastes did not have the required labels describing their contents (See photos #9, 12, 14, 27-29, 34-37, 46).

SUMMARY OF FACTS

WILLIAM JONES has reviewed the laboratory reports from the Los Angeles City Standards Laboratory of samples taken from the waste stream of ALL VALLEY PLATING COMPANY located at 11321 Goss Street, Sun Valley.

The samples were collected beginning in early May via two Industrial Specialties Company (ISCO) automatic sewer samplers and two automatic pH meters. One pair was installed in the sewer manhole downstream of ALL VALLEY PLATING connected at Tujunga Avenue and Goss Street. The other pair was installed in the sewer manhole upstream of ALL VALLEY PLATING in the street in front of 11321 Goss Street (see attached map).

The results of samples taken from the sewers which would be considered violations of the State Hazardous Waste Control Laws are listed in the sample summary portion of this report. These results were taken, in part, from a Show Cause Report prepared by LA City Industrial Waste and dated July 2, 1986.

On June 3, 1986, W. JONES participated in a multiagency search and inspection warrant service. Violations of the State Hazardous Waste Control Laws were observed and were addressed in an Official Notice of Violation letter sent to MR. LAWRENCE R. HORTON, President, on June 16, 1986. MR. W. JONES interviewed MR. LAWRENCE HORTON and MR. SCOTT HORTON, Vice President and General Manager (see attached).

On July 2, 1986, the Los Angeles City Board of Public Works sealed the sewer line which services ALL VALLEY PLATING following a show case hearing.

On July 10, 1986, W. JONES revisited the facility to ascertain compliance with the Notice of Violation letter and found partial compliance with the directives given. LAWRENCE AND SCOTT HORTON were directed to comply with all directives in the notice letter as soon as possible.

EVIDENCE

1. All samples were collected by Industrial Waste Staff and analyzed by LA City Standards laboratory. Chain of Custody was maintained for all samples.
2. Photographs were taken by Industrial Waste Staff on the date of the search warrant.

   Complete sample data can be found in the Show Case package prepared by LA City Industrial Waste dated July 2, 1986.

SAMPLE SUMMARY - ISCO AND pH RESULTS

(5)

1. Hexavalent Chromium (mg/l) Violations

DATE	TIME	RESULT
5-08-86	1903	30.8
	2003	33.2
	2103	29.6
	2203	22.8
	2303	7.2
5-13-86	1548	19.2
	1648	25.2
	1748	16.6
5-14-86	0833	15.4
	0933	20.5
	1033	19.2
5-21-86	1333	6.2
6-05-86	1603	11.0
6-19-86	1333	6.8
6-21-86	0903	10.7
	1203	10.3

2. pH Violations

5-27-86
1833 12.6
2033 12.6
2233 12.8
6-3-86
1233 12.7
1633 13.1
1833 13.0
2033 13.0
2233 12.7
6-4-86 12.8
0033
6-5-86
1203 12.5

DATE	TIME	RESULT
~~5-20-86~~	~~0856~~	Greater than 12.5 pH meter
5-27-86	2151	" " "
6-03-86	1530	" " "
6-04-86	0834	Less than 2.0
	1530	Greater than 12.5
6-05-86	1114	" " "
~~6-08-86~~	~~1422~~	" " "
~~6-09-86~~	~~0400~~	" " "
~~6-13-85~~	~~1507~~	" " "

3. Warrant Service Results June 3, 1986

SAMPLE NO.	LOCATION - DESCRIPTION	PHOTO NO.
1A	Sample box of clarifier yellow-brown liquid	1
(4A)	~~Outside waste holding~~ leak from a bermed area w/o main plating plant ~~Tank - s/o anodizing area~~ ~~yellow liquid~~ outside waste holding tank	(4)
5A 25190	~~Same as 4A~~ - Sludge s/o anodizing area	7
6A	Ground below waste holding tank-white crystals s/o anodizing area	8
7A 25190	Green aeration tank s/o anodizing area	9
8A DISP.	Cyanide drum with trash and debris - brown solid	14
9A DISP	Concrete surface s/o anodizing area berm tan solid scrapings	10
11A	Waste Sludge drums adj to roll off/sludge press brown filter cake	20
13 DISP	Outside storage area damaged metal container spillage red-solid	33
14A DISP ST	N/E corner of outside storage area - brown solid from turned over drum	34
16A ST	Woodboard in outside storage area with white scrapings	36

SAMPLE NO.	pH	Cd	Cr	Cu	Zn	CN-TOTAL	CN-FREE
1A	13.6						
4A	13.2						
5A	13.7	2100	1530	179	21,000		
6A		790	980	150	9,000		
7A		340	118	9.06	3,400		
8A		5400	6200	3800	57,000		
9A		150	430	430	2,400		
11A		23000	11000	1600	130,000	1060	34.6
13 (Chromium VI)		Total - 180,000			Filtered -144,000		
14A		1200	4000	4100	16,000		
16A		400	270	370	77,000	6880	2500
State Limits (TTLC)		100	2500	2500	5000	680	460
(STLC)			560				

4. Qualitative results were obtained from three samples of containers found in the commercial trash bin during the warrant service (see photograph's no# 40-43, and result page from LA City Standards Lab).

Form GS/STD 910 (7-80)

CITY OF LOS ANGELES
DEPARTMENT OF GENERAL SERVICES
STANDARDS

2319 DORRIS PLACE
LOS ANGELES, CA 90031
485-2242

LAB. No. F8570-384 to 386

REC'D 6-6-86

REP'T'D 6-13-86

TO Mr. Del Biagi
Bureau of Sanitation

Attn: Mr. Norman Cotter
cc: Mr. Steve Overton

TEST OF ALL VALLEY PLATING CO. INC., SAMPLE

At the request of the Bureau of Sanitation, three samples taken from a trash bin at All Valley Plating Co., Inc. were analyzed.

Lab. No.	Sample Location and Description	Identification
384	All Valley Plating Co., Inc. 11321 Goss St. Volatile Liquid (Toluene Label) 6-3-86 (3:20 P.M.) at trash bin	Toluene
385	Volatile Liquid (Methyl Ethyl Ketone Label) 6-3-86 (3:21 P.M.) at trash bin	Methyl Ethyl Ketone
386	Thick, black Soltuion (Poly urethane label) 6-3-86 (3:22 P.M.) at trash bin	Flammable "PAINT"

The three samples taken by Mr. Jesse Corpuz.

Mr. Jess Corpuz requested that the three sampled be identified. It was determined through an Infra Red Spectrophotometer.

Sample number 386 could not be scanned due to lack of Standard.

MASARU ITO, Division Head
General Services/Standards

MI:DAT:RB:CC:my

REGISTERED PROFESSIONAL ENGINEER
MASARU ITO
No. C016552
CIVIL
STATE OF CALIFORNIA

BERKOT MANUFACTURING COMPANY

11285 Goss Street

Department of Toxic Substances Control

Matthew Rodriquez
Secretary for
Environmental Protection

Deborah O. Raphael, Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Edmund G. Brown Jr
Governor

Facility Search Results

Search Criteria:

Street: 11285
City: SUN VALLEY
Sorted By: EPAID,NAME

ID's Listed:

Address used in the search and displayed below is the Physical Address.

ID Number	Name	Address	City	Zip

No Data Found

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

BERKOT
MFG. CO., INC.

P.O. BOX 218
11285 GOSS ST.
SUN VALLEY, CA 91352
(818) 767-5555 (213) 875-1163

October 30, 1991

California Regional Water Quality Board-L.A. Region
101 Centre Plaza Dr.
Monterey Park, CA 91754-2156

Attn: Mr. David Bacharowski

Dear Mr. Bachaeowski:

Regarding your Well Investigation Program-Site Inspection (File #111.2396), I hope the following information will fulfill your request for information pertaining to site information for the property that we lease at 11285 Goss St., Sun Valley.

The owner of the property is JoEllen Tahbaz. Her address is 96 Oak Dr., Cedar Grove, NJ 07009. Her telephone number is (201) 785-0634.

According to the City of L.A. Building & Safety Dept., the building permit was taken out in 1955. They have no record of completion date, nor do they have any blueprints of the original construction. The building is approximately 4000 square feet sitting on a lot of approximately 10000 square feet.

The property borders the property line on south side and has asphalt covering the entire lot on the other sides. To the best of my knowledge, the asphalt was paved at the time the building was built, 1955.

From what I can tell, Berkot moved into the building in 1962. My attempts to determine what type of businesses might have been in the building between 1955 and 1962 have been futile. Building & Safety had no information. The L.A. City Clerks office only had information going back to 1974. I tried the City of L.A. Fire Dept. both downtown and in Van Nuys with no definite information. Talking to old residents produced no definite answers but the possibility that there was an aircraft parts business.

Berkot manufactures and distributes material handling equipment. We job shop metal fabrication products and we manufacture dollies and push carts. The bulk of our business is in products that we distribute such as shelving, racking, and other related warehouse equipment.

In 1990 we returned a survey/questionnaire to the Regional Water Quality Control Board. One of the questions concerned the sewer system. We believed and replied that we were hooked up to the

BERKOT
MFG. CO., INC.

P.O. BOX 218
11285 GOSS ST.
SUN VALLEY, CA 91352
(818) 767-5555 (213) 875-1163

municipal sewer system. We had been paying sewer service charges for many years (copy of 1977 DWP bill enclosed), the previous owner of Berkot thought that we were hooked up to the sewer. A former landlord had said that we were hooked up to the sewer.

On September 25, 1991, I talked to the City of L.A. Bureau of Engineers. They said that we were hooked up to the sewer system. I wrote them a letter to try and determine when the hook up date was. On September 30, 1991, I was telephoned by Mr. Ryan of the Bureau of Engineers, who told me that we were not connected to the sewer system. He could not tell me what type of system we had. Building and safety does not have any records that go back to when the building was built, 1955, which is when I assume the current sewer system was installed. They have no records as to the location of the system, the type of system, the materials of construction, capacity, etc..

I talked to a cesspool pumper who has been working in the Sun Valley area for many years. He told me we had a cesspool and that it was loacted on the east side of our building where we park our cars. He told that the cesspool was located just outside the east wall and in line with a cleanout inside the building which is approximately 16' North of the South-East corner of the building.

To the best of my knowledge there has been no analytical testing required for operations and maintenance. The system is used only for domestic waste (washing hands and using the toilet). I have enclosed a sampling of old DWP bills which show that we use about 75 gallons per day.

In the manufacture of our products we do some painting. The enclosed site map indicates the areas where we store our paint (metal shed) and solvents and the area where we paint. The solvent that we currently use is mineral spirits. Berkot used to use Chevron #350-H thinner which is a blend of 93% light petroleum distillate and light aromatic naphtha, 7% alkylbenzenes and <.1% benzene. 350-H is not manufactured any more. At times we have used a small quantity of 1,1,1 Trichloroethane.

We have no waste disposal of solvents. We pour unused paint back into our paint container and any solvent that is used to clean our paint equipment is put in also. The paint that we use is synthetic alkyd resin enamel.

Berkot used to use an above ground dip tank for painting small carts. It was located at the same location of our current paint area. The tank held approximately 5 gallons of paint. Its use was discontinued approximately 10 years ago.

To the best of my knowledge we have no underground tanks.

BERKOT
MFG. CO., INC.

P.O. BOX 218
11285 GOSS ST.
SUN VALLEY, CA 91352
(818) 767-5555 (213) 875-1163

clarifiers, sumps or pits.

Berkot has hydraulic oil for our forklift. We have a five gallon container. We also have a five gallon container for lubrication oil for our iron worker. Neither have these fluids get changed, they are just added when their reservoirs are low. Both containers are stored in our building which has a cement floor.

Since our inspection on August 7, 1991, we have built steel shelves in our storage area to store our cans of paint and solvent. We also had steel trays built to put under the cans for secondary containment. We have placed steel sheets on the asphalt area in the paint area to provide secondary containment.

I hope that this information satisfies your request. If you have any questions, please feel free to call me.

Sincerely,

BERKOT MFG. CO., INC.

Bryant Lund

Enc.

STATE OF CALIFORNIA

PETE WILSON, *Governor*

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION
101 CENTRE PLAZA DRIVE
MONTEREY PARK, CA 91754-2156
(213) 266-7500

September 11, 1991

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
Claim No. P 577 359 462

Mr. Bryant Lund
Berkot Mfg. Co., Inc.
11285 Goss Street
Sun Valley, CA 91352

WELL INVESTIGATION PROGRAM-SITE INSPECTION (FILE NO 111.2396)

On August 7, 1991, your facility was inspected by members of this Regional Board's staff. The inspection focused mainly on past and present methods for handling chemicals and wastes at your facility.

During the inspection, the inspectors observed that your company conducts spray painting operations directly over asphaltic concrete at the rear of your facility. There were obvious signs of waste discharge to the ground surface throughout this area from the spray painting operation. The asphaltic concrete paving is not impervious to chemicals found in paints, and does not provide adequate containment for these materials.

All spray paint operation conducted on-site must be within secondary containment to provide an impermeable barrier for your painting area, so that any chemicals are contained and will not be discharged to the ground at your facility.

Please contact the City of Los Angeles Fire Department-Fire Prevention Bureau regarding requirements for spray painting operations.

The major concern of this Agency's Well Investigation Program is to determine possible sources contributing to pollution in nearby drinking water wells. The program is comprehensive, since even small discharges may have significant additive effects on the quality.

You are therefore directed to submit a work plan for conducting a subsurface investigation on-site to determine whether infiltration of contaminants into soils has occurred at the area identified above. Your work plan must address all of the items on the enclosed Work Plan Requirements for Initial Subsurface Investigation with the following modifications:

1. A minimum of three (3) shallow soil test borings must be completed to a depth of 10 feet below land surface to evaluate this area.

2. Soil samples must be obtained at 1 ft., 5 ft., and 10 ft. below land surface.

3. All soil samples must be analyzed for volatile organic compounds and aromatic hydrocarbons by EPA Method 8010 & 8020. or by EPA Method 8260 and by EPA Method 8015 modified for petroleum hydrocarbons (mineral spirits).

In addition, your company previously operated on-site a private sewage disposal system which discharged domestic wastes to the subsurface. You are therefore directed to provide to this Regional Board the following information regarding the use of this subsurface disposal system (septic tank/cesspool):

A. Location of system(s) operated.

B. Type of system(s) operated.

C. Materials of construction.

D. Size and capacity of the unit(s).

E. Types and quantities of wastes discharged.

F. Areal extend of any associated to the system.

G. Number and locations of connections to the system.

H. Results of any analytical testing required for operations and maintenance.

I. Date of installation of the disposal system.

Subsequent to review of this information, a determination will be made regarding the need for subsurface investigation in this area.

Four copies of your work plan are due to this Regional Board by October 14, 1991. Please do not commence work on-site until your work plan has been reviewed and approved by this Regional Board.

If you have any questions, please contact me at (213) 266-7546 or Ann Zaszkodna at (213) 266-7585.

David G Bacharowski

DAVID BACHAROWSKI
Environmental Specialist IV

cc: Mr. Chris Stubbs, U.S. EPA Region IX
Mr. Bruce Wojcik, Los Angeles County, Forester and Fire Worden
Captain Rick Camarena, City of Los Angeles, Fire Department
Fire Prevention Bureau.

lNSPECTION CHECKLIST

SITE NAME Berkot Mfg. Co., Inc. WIP ID NO. 111.2396
ADDRESS 11285 Goss Street PSD
Sun Valley, CA 91353 SIC CODE 3499

CONTACT Mr. Bryant Lund TELEPHONE NO.(818) 767-5555

	ACTIVITIES yes	ACTIVITIES no	PERMITS yes	PERMITS no	PERMIT NOS.
GENERATOR		X			
TREATMENT		X			
STORAGE		X			
DISPOSAL		X			
TRANSPORTER		X			

OWNERSHIP: FEDERAL STATE LOCAL AGENCY __ PRIVATE X

SITE DESCRIPTION:

The Berkot Mfg. Co, Inc. is a small parts manufactures, (2 employees) and has been in operation since 1970's. Prior to 1970 it was a carpet storage business. Operator leases the property.

Outside the building:

1. Small chemical storage area located under a roof, NE corner of the building:

   -One drum (55 gal) of mineral spirit solvent
   -Small amount of paint.

The storage area has asphaltic/concrete floor. No evidence of waste discharge was observed.

2. Spray paint operation, located under a roof on the asphaltic floor, NW corner of the building.

Spray painting operations directly over asphalt floor at the rear of your facility.

No underground storage tanks, clarifiers, sumps.

Priority 2.

INSPECTOR AZ/LM DATE August 7, 1991

DAB
9/10/91

CHECKLIST (2)

		YES	NO
QUESTIONNAIRES			
Submitted		X	
Returned Complete/Completed		X	
Copy Left For Submittal			X
OVERALL FACILITY IMPRESSIONS			
Clean		X	___
Good Housekeeping Practices		X	___
No Evidence of Discharge		___	X
STORAGE AREAS	yes/no		
Underground Tanks:		___	X
permits	_____		
tested for leaks	_____		
under monitoring program	_____		
Above Ground Tanks:		___	X
good condition	_____		
no appearance of discharges	_____		
Other Storage:		X	___
covered	Yes		
approved containment	_____		
All Materials listed in Questionnaire		X	___
PROCESS, HANDLING, DISPOSAL			
Potential for Leaks, Spills, or Discharges		X	___
Clarifier(s)		___	X
Sumps(s)		___	X
Solvents			X

COMMENTS (Make sure questionnaires are complete, use another page if necessary for your comments):

Three (3) shallow test borings are required to evaluate painting operation and the discharged to the ground.

Information requested regarding PSDS (septic tank) operated on-site 15 years ago.

✓

Priority 2.

INSPECTOR AZ/LM DATE August 7, 1991

AZ - F92-011 111.2396

TRIAD GEOTECHNICAL CONSULTANTS INC.

Soils Engineering • Engineering Geology • Environmental Engineering

17231 EAST RAILROAD STREET, SUITE 100, CITY OF INDUSTRY, CA 91748
TELEPHONE (818) 964-2313
FAX (818) 810-0915

March 31, 1992
Job #91-381

Berkot Manufacturing Co., Inc.
P.O. Box 218
Sun Valley, CA 91352

Attention: Bryant Lund

Subject: Contaminated Soils Report
11285 Goss Street
Sun Valley, California

Reference: Work Plan
By Triad Geotechnical Consultants, Inc.
Dated December 3, 1991
File No. 111.2396

Dear Mr. Lund:

Pursuant to your request, we have excavated and sampled on-site soils for the purpose of performing a contaminated soils investigation requested by the California Regional Water Quality Control Board. The work was performed in accordance with the referenced Work Plan on February 10 and 24, 1992. On February 10 two holes were partially excavated when heavy rains began. The holes were abandoned and new holes were drilled on February 24 for

sampling.

Three test holes were excavated using a 6 inch diameter hand auger at the approximate locations shown on the enclosed Plot Plan, Plate A. The test holes were excavated to depths of 10 feet and soil samples were secured at near surface, 5 feet and 10 feet elevations with the exception of Number 3 which could not be extended past 6.5' due to heavy gravel.

Relatively undisturbed samples were secured in a barrel drive sampler with a tapered cutting shoe. Samples were retained in a 2 inch diameter by 3 inch tube, sealed with foil and a plastic cap. The samples were refrigerated in an ice chest with blue ice and transported to Net Laboratories for analysis.

Soils encountered at the borings were silty fine sands underlain by gravelly sands with some cobbles. They are in a moist and slightly dense to moderately dense condition. No indication of contamination from color could be detected from the field observation. Boring Logs describing the soils encountered at each location are enclosed as Plates B.

Soil samples were tested in accordance with the EPA Test Methods 8010/8020, and 8015. Laboratory test results from NET Laboratories are enclosed with the Chain of Custody form.

The opportunity to be of service to you on this project is appreciated, and if you have any questions, please do not hesitate to call.

Respectfully submitted,

TRIAD GEOTECHNICAL CONSULTANTS, INC.

Frank C. Stillman

G.E. 805

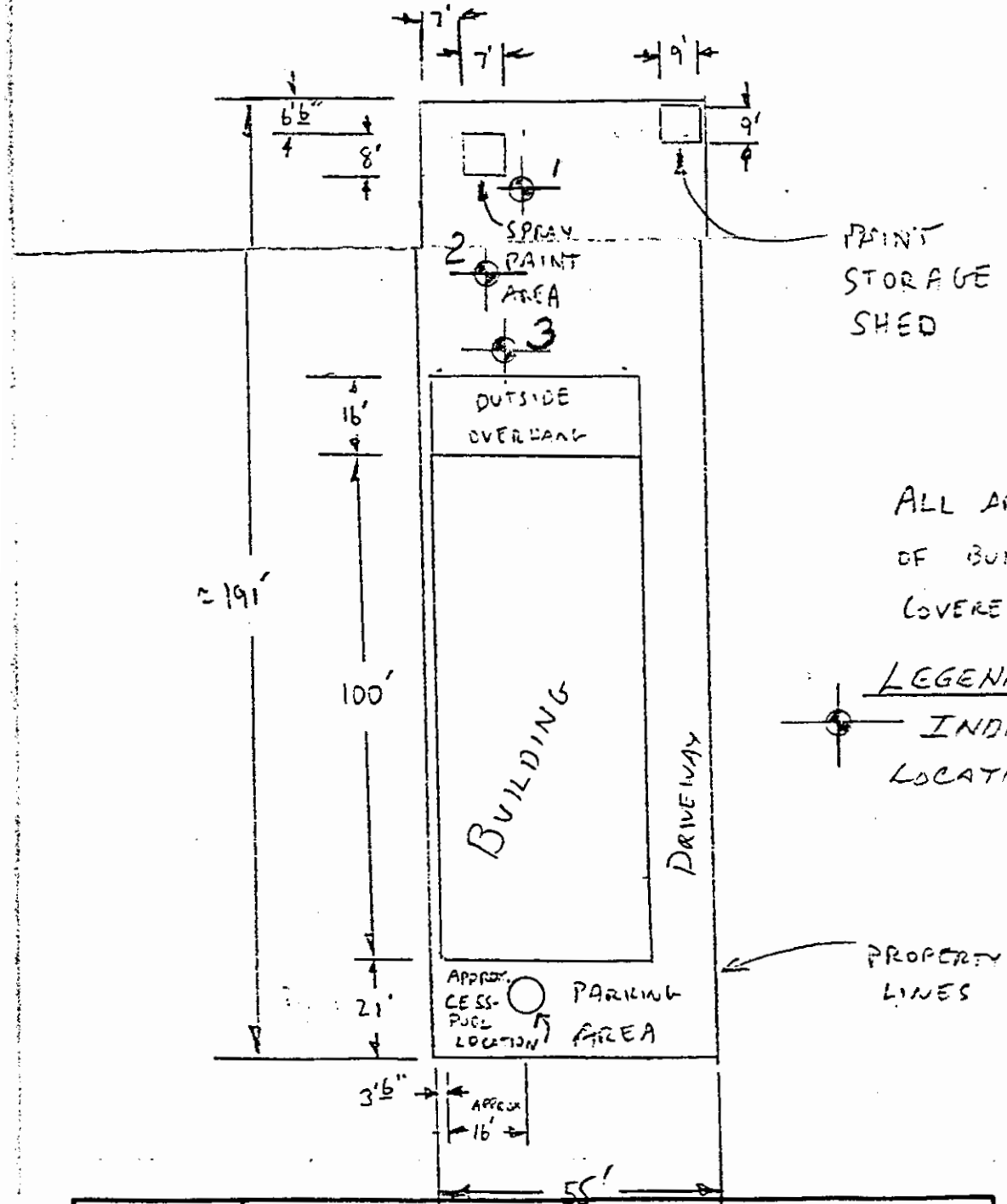
FCS/kt

Enclosures: Plate A ----- Plot Plan
Plates B-1 through B-3 ----- Boring Logs
Chemical Analysis & Chain of Custody Form

Distribution: Addressee (5)

BERKOT
MFG. CO., INC.

P.O. BOX 218
11285 GOSS ST.
SUN VALLEY, CA 91352
(818) 767-5555 (213) 875-1163



ALL AREAS OUTSIDE OF BUILDING ARE COVERED WITH ASPHALT.

LEGEND

INDICATES APPROX. LOCATION OF BORINGS

TRIAD GEOTECHNICAL CONSULTANTS INC.

Consulting Geologists – Soils Engineering

Job no: 91-381 Date: 3-31-92 Scale: By: FS

PLATE A

BORING LOG

Project 11285 Goss St., Sun Valley Boring No. 1 Location See plot plan

Job No. 91-381 Drill Date 2-24-92 Logged By FS Driving Weight 40#

Water	Depth (feet)	UNIT (FILL, NATURAL, BEDROCK, etc.): MATERIAL (SAND, SILT, CLAY, etc.) - Description (color, moisture, density, etc.) ATTITUDE MEASUREMENTS: B - Bedding F - Fault J - Joint C - Contact	Group Symbol U.S.C.S.	Pene. Resist. (blows/foot)	C - Core B - Bag	Dry Density (pcf)	Percent Moisture
	0	2" AC					
	1	Silty fine SAND, brown, moist, slightly dense	SM	18	C		
	2						
	3	Gravelly fine-medium SAND, gray brown, moist, moderately dense	SP				
	4						
	5			16	C		
	6						
	7						
	8						
	9			45	C		
	10	End Boring 10'					
	11						
	12						
	13						
	14						
	15						

TRIAD GEOTECHNICAL CONSULTANTS INC.

PLATE B-1

BORING LOG

Project 11285 Goss St., Sun Valley Boring No. 2 Location See plot plan

Job No. 91-381 Drill Date 2-24-92 Logged By FS Driving Weight 40#

Water	Depth (feet)	UNIT (FILL, NATURAL, BEDROCK, etc.): MATERIAL (SAND, SILT, CLAY, etc.) - Description (color, moisture, density, etc.) ATTITUDE MEASUREMENTS: B - Bedding F - Fault J - Joint C - Contact	Group Symbol U.S.C.S.	Pene. Resist. (blows/foot)	C - Core B - Bag	Dry Density (pcf)	Percent Moisture
	0	2" AC					
	1	Silty fine SAND, brown, moist, slightly dense	SM	18	C		
	2						
	3	Gravelly fine-medium SAND, gray brown	SP				
	4						
	5	Cobbles to 6"		34	C		
	6						
	7						
	8						
	9			40	C		
	10	End Boring 10'					
	11						
	12						
	13						
	14						
	15						

TRIAD GEOTECHNICAL CONSULTANTS INC.

PLATE B-2

LORING LOG

Project 11285 Goss St., Sun Valley Boring No. 3 Location See plot plan

Job No. 91-381 Drill Date 2-24-92 Logged By FS Driving Weight

Water	Depth (feet)	UNIT (FILL, NATURAL, BEDROCK, etc.): MATERIAL (SAND, SILT, CLAY, etc.) - Description (color, moisture, density, etc.) ATTITUDE MEASUREMENTS: B - Bedding F - Fault J - Joint C - Contact	Group Symbol U.S.C.S.	Pene. Resist. (blows/foot)	C - Core B - Bag	Dry Density (pcf)	Percent Moisture
	0	2" AC					
	1	Silty firm SAND, brown, moist, slightly dense	SM	18	C		
	2						
	3	Gravelly SAND, gray brown, moist and dense	SP				
	4						
	5	Sandy GRAVEL, moist, dense	GP	13	C		
	6						
	7	End Boring 6.5' Too much gravel to hand auger					
	8						
	9						
	10						
	11						
	12						
	13						
	14						
	15						

TRIAD GEOTECHNICAL CONSULTANTS INC.

PLATE B-3

NATIONAL ENVIRONMENTAL TESTING, INC.

NET Pacific, Inc.
Burbank Division
700 South Flower Street
Burbank, CA 91502
Tel: (213) 849-6595
Fax: (818) 954-0232

DOHS Certificate Number: 1192
LACSD Lab I.D. Number: 10158

03/09/1992

Frank Stillman
Triad Geotechnical
Consultants INC.
17231 E. Railroad St./100
City of Industry, CA 91748

Client Ref: 91-381 11285 GOSS ST

Sample analysis for the project referred to above has been completed and results are located on attached pages.

Should you have questions regarding procedures or results, please feel welcome to contact our Client Services Representatives or the Laboratory Director.

Kimberly S. Banks
Client Services Manager

DW:rth
Attachments:
Analytical Reports
Chain of Custody Document

Client No: 29300
NET Job No: 92.0257

NET Pacific, Inc

Client Name: Triad Geotechnical
Client Ref.: 91-381 11285 GOSS ST

NET Job No.: 92.0257

Date Received: 02/24/1992
Date Reported: 03/09/1992
Date Taken: 02/24/1992

Matrix : Soil

Sample ID :	1 @ 1' AM	1 @ 5' AM	1 @ 10' AM
Lab No. :	40546	40547	40548

ANALYTES/METHOD	RESULTS			R.L.	UNITS
METHOD 8015 MOD. soil for Gas					
DATE EXTRACTED	03-06-92	03-06-92	03-06-92		
DATE ANALYZED	03-06-92	03-06-92	03-06-92		
as Gasoline	ND	ND	ND	1	mg/Kg
Surrogate Spike	--	--	--		
Chlorobenzene	95	96	90		% Rec

ND - Not Detected at the Reporting Limit

NET Pacific, Inc

Client Name: Triad Geotechnical
Client Ref.: 91-381 11285 GOSS ST

NET Job No.: 92.0257

Date Received:
Date Reported: 03/09/1992
Date Taken: 02/24/1992

Matrix : Soil

Sample ID :	1 @ 1' AM	1 @ 5' AM	1 @ 10' AM
Lab No. :	40546	40547	40548

ANALYTES/METHOD	RESULTS			R.L.	UNITS
METHOD 8010 & 8020 (GC,Solid					
DATE EXTRACTED	03-04-92	03-04-92	03-04-92		
DATE ANALYZED	03-04-92	03-04-92	03-04-92		
Reporting Limit Multiplier	1	1	1		
Bromodichloromethane	ND	ND	ND	5	ug/Kg
Bromoform	ND	ND	ND	10	ug/Kg
Bromomethane	ND	ND	ND	10	ug/Kg
Carbon tetrachloride	ND	ND	ND	5	ug/Kg
Chlorobenzene	ND	ND	ND	5	ug/Kg
Chloroethane	ND	ND	ND	10	ug/Kg
2-Chloroethylvinyl ether	ND	ND	ND	10	ug/Kg
Chloroform	ND	ND	ND	5	ug/Kg
Chloromethane	ND	ND	ND	10	ug/Kg
Dibromochloromethane	ND	ND	ND	5	ug/Kg
1,2-Dichlorobenzene	ND	ND	ND	5	ug/Kg
1,3-Dichlorobenzene	ND	ND	ND	5	ug/Kg
1,4-Dichlorobenzene	ND	ND	ND	5	ug/Kg
Dichlorodifluoromethane	ND	ND	ND	10	ug/Kg
1,1-Dichloroethane	ND	ND	ND	5	ug/Kg
1,2-Dichloroethane	ND	ND	ND	5	ug/Kg
1,1-Dichloroethene	ND	ND	ND	5	ug/Kg
trans-1,2-Dichloroethene	ND	ND	ND	5	ug/Kg
1,2-Dichloropropane	ND	ND	ND	5	ug/Kg
cis-1,3-Dichloropropene	ND	ND	ND	5	ug/Kg
trans-1,3-Dichloropropene	ND	ND	ND	5	ug/Kg
Methylene chloride	ND	ND	ND	10	ug/Kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	5	ug/Kg
Tetrachloroethene	ND	ND	ND	5	ug/Kg
1,1,1-Trichloroethane	ND	ND	ND	5	ug/Kg
1,1,2-Trichloroethane	ND	ND	ND	5	ug/Kg
Trichloroethene	ND	ND	ND	5	ug/Kg
Trichlorofluoromethane	ND	ND	ND	10	ug/Kg
Vinyl chloride	ND	ND	ND	10	ug/Kg
Benzene	ND	ND	ND	5	ug/Kg
Ethylbenzene	ND	ND	ND	5	ug/Kg
Toluene	ND	ND	ND	5	ug/Kg
Xylenes (total)	ND	ND	ND	5	ug/Kg

ND - Not Detected at the Reporting Limit

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105-3901

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
101 Centre Plaza Drive
Monterey Park, CA 91754-2156

May 31, 1996

BERKOT MFG. CO., INC.
11285 GOSS ST.
SUN VALLEY, CA 91352-
File Number: 111.2396

RE: San Fernando Valley Superfund Areas
U.S. EPA and LARWQCB Notification of No Further Action

For property located at:

BERKOT MFG. CO., INC.
11285 GOSS ST.
NORTH HOLLYWOOD, CA 91352-
File Number: 111.2396

Dear Owner/Operator,

The California Regional Water Quality Control Board, Los Angeles Region ("Regional Board") staff has conducted an assessment of your facility to determine the extent of solvent usage and to assess past and current chemical handling, storage and disposal practices. Your company is among those in the San Fernando Valley which have received the Regional Board's "No Further Action" letters based on one or more of the following categories: 1) information provided in your pre-inspection questionnaire disclosed little or no solvent use; 2) the results of a staff inspection disclosed no solvent use; or 3) completed assessment work indicated no solvent contamination in the soil.

The purpose of this letter is to inform you that, based on the information provided to U.S. EPA by the Regional Board to date, you will not be asked by the U.S. EPA or the Regional Board to participate in regional groundwater cleanup projects currently planned for San Fernando Valley. Your company is no longer part of the U.S. EPA Superfund process, and the Regional Board and the U.S. EPA plan no further action concerning your facility.

You may be contacted by those potentially responsible parties ("PRPs") that have been asked to participate in the groundwater cleanup efforts. In the event you are contacted by PRPs, please feel free to contact the appropriate Regional Board or U.S. EPA staff for additional information or assistance. The telephone numbers of Regional Board and U.S. EPA staff are provided on the enclosed contact list.

Sincerely,

Keith A. Takata — Robert P. Ghirelli

Keith A. Takata
Director
Superfund Division
U.S. EPA, Region 9

Robert P. Ghirelli, D. Env.
Executive Officer
California Regional Water Quality Control Board, Los Angeles Office

enclosure

City of LOS ANGELES
CALIFORNIA

LOS ANGELES FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3680

Business No.: FA0001550
Business Name: BERKOT MFG CO INC
Business Mailing Address: PO BOX 218
SUN VALLEY, CA 91353
Storage Address: 11285 GOSS ST

Date:
Last Inspection Date:
Permit Date: 07/01/2010
RFI Request No:
RFI Requestor Name:

Chemical & Ingredients	Haz. Mat. Type	Max. Qnt on hand:	Yearly Qnt	Product Storage Type	Physical State
ACETYLENE	1	319			G
-		0	0		
-					
CO2	1	1800			G
-		0	0		
-					
OXYGEN	1	244			G
-		0	0		
-					

City of LOS ANGELES
CALIFORNIA

LOS ANGELES FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3680

Business No.: FA0001550
Business Name: BERKOT MFG CO INC
Business Mailing Address: PO BOX 218
SUN VALLEY, CA 91353
Storage Address: 11285 GOSS ST

Date:
Last Inspection Date:
Permit Date: 07/01/2010
RFI Request No:
RFI Requestor Name:

Chemical & Ingredients	Haz. Mat. Type	Max. Qnt on hand:	Yearly Qnt	Product Storage Type	Physical State
-		0	0		
1,1,1-TRICHLOROETHANE(In-active) Inactivated on: 08/27/1992	1	600	1200		L
-		0	0		
CHEVRON THINNER 350-H(In-active) Inactivated on: 08/27/1992	1	55	165		L
-		0	0		
PAINT(In-active) Inactivated on: 02/11/1994	1	25			L

City of LOS ANGELES
CALIFORNIA

LOS ANGELES FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3680

Business No.: FA0001550
Business Name: BERKOT MFG CO INC
Business Mailing Address: PO BOX 218
SUN VALLEY, CA 91353
Storage Address: 11285 GOSS ST

Date:
Last Inspection Date: 01/12/2009
Permit Date: 07/01/2010
RFI Request No:
RFI Requestor Name:

Chemical & Ingredients	Haz. Mat. Type	Max. Qnt on hand:	Yearly Qnt	Product Storage Type	Physical State
ACETYLENE	1	319			G
-		0	0		
-					
CO2	1	1800			G
-		0	0		
-					
OXYGEN	1	244			G
-		0	0		
-					

City of LOS ANGELES
CALIFORNIA

LOS ANGELES FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3680

Business No.: FA0001550
Business Name: BERKOT MFG CO INC
Business Mailing Address: PO BOX 218
SUN VALLEY, CA 91353
Storage Address: 11285 GOSS ST

Date:
Last Inspection Date: 01/12/2009
Permit Date: 07/01/2010
RFI Request No:
RFI Requestor Name:

Chemical & Ingredients	Haz. Mat. Type	Max. Qnt on hand:	Yearly Qnt	Product Storage Type	Physical State
-		0	0		
1,1,1-TRICHLOROETHANE(In-active) Inactivated on: 08/27/1992	1	600	1200		L
-		0	0		
CHEVRON THINNER 350-H(In-active) Inactivated on: 08/27/1992	1	55	165		L
-		0	0		
PAINT(In-active) Inactivated on: 02/11/1994	1	25			L

DATE _____ NEW USER ☐

INSPECTOR'S NAME KURIMOTO INSPECTOR NO. 449

BUSINESS NO. 1550

BUSINESS NAME Berkot Mfg

8, 12, 18, 24, 28, 41, 42, 44, 50, 52, 55, 56
70, 74, 75, 76, 77, 81, 82, 87, 91, 96, 98
103, 104, 107

ACTION: *(Automatically entered by Data Entry)*

- ☐ (EJ) Disclosure Amendment or Additional Applications Given or Sent
- ☐ (BI) Notification of Business Plan Requirements
- ☒ (DA) Approval of Business Plan *(Date)* 6/10/09
- ☒ (VA) Inventory Verified By On-Site Inspection *(Date)* 6/10/09
- ☐ (EG) Warning Notice for Failure to Disclose
- ☐ (BG) Warning Notice for Failure to Submit Business Plan
- ☐ Medical Exemption Approved *(Signature)* _____

DATA ENTRY INSTRUCTIONS: *(Circle desired form to make instruction clear and check off appropriate boxes)*

- ☒ Enter Highlighted Changes on BP-1 / BP-8
- ☐ Enter Inventory On Amendment / Disclosure
- ☐ Inactivate Business *(Journal Entry Should Be Included)*
- ☐ Other Instructions: *(For example: Enter I Codes; Combine Businesses under one BP number)*

OCC. JURISDICTION HIRS HZMT IND INS PSU S&C CO See Reverse For Journal ☐

INSPECTOR TIMEKEEPING: I1 _____ I2 _____ I3 _____

K-5 (Emergency Information)_____ K-6 (Inventory) _____
K-7 (Business Plans)_____ K-8 (Site Map) _____
K-9 (Other Code Enforcement)_____ *(K-Codes are entered automatically)*

STATUS:	YES	NO
Business Plan Required	☐	☒
Government Agency	☐	☒
Cancel Certificate	☐	☐

Reason:
- ☐ Out of Business
- ☐ Moved Location
- ☐ No Hazardous Materials
- ☐ Change of Ownership
- ☐ Below Disclosure Level

704 DATA: Write out in linear format (i.e., 2-3-2 COR)

_____

828 Permit No.: _____

Area Covered by Placard:

_____

_____

Data Entry Name: [signature] Data Entry Date: 10-18-09

City of LOS ANGELES
CALIFORNIA

LOS ANGELES FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3680

BUSINESS INFORMATION

Printed on: 04/17/2009

INSTRUCTIONS : Please complete and sign this form; your signature indicates that the information, as supplied, is accurate.

Business Number: **FA0001550** This is your current business plan number. This number must appear on all business plan forms!
Business Name : **BERKOT MFG CO INC**

Address Where Business is Conducted : 11285 W GOSS ST,
SUN VALLEY, CA 91352
Mailing Address : PO BOX 218
SUN VALLEY, CA 91353

Other On-Site Addresses:

Briefly describe the nature of the hazardous materials operations:

Number of Employees: 4
SIC Code : 7500

Dun & Bradstreet Number:

CONTACT	WORK #	24 HOUR #	PAGER #	OTHER #
Owner Name: LUND, BRYANT	(818) 767-5555	(818) 767-5555	(818) 767-5555	(818) 767-5555
On-Site Manager:				
Emergency Contact: BRYANT LUND	(818) 767-5555			
2nd Emergency Contact: KATHI LUND	(818) 767-5555			

Signature of Legal Business Owner/Authorized Representative | **Title** | **Date**

Business Plan has been reviewed and approved: _____

Office Use Only Insp. ID: _____ Date: _____ D/E ID: _____ Date: _____ TS: _____

City of LOS ANGELES
CALIFORNIA

LOS ANGELES
FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3680

Hazardous Materials System
BP-8: Computer Listing of Inventory Submitted
Inspection Responsibility: VIU

Business No : FA0001550
First In : 077
Block # :

Printed on: 4/17/2009

Business Name	: BERKOT MFG CO INC	**Business Address:**	11285 W GOSS ST,	**Next Inspection Date:**	02/26/2006
Business Owner	: LUND, BRYANT		SUN VALLEY, CA 91352	**SIC Code**	: 7500
On-Site Manager	:	**Phone #**	:	**# of Employees**	: 4
Emergency Contact	: BRYANT LUND	**Phone #**	: (818) 767-5555 Ext:	**Sq. Ft. of Facility**	: N/A
Alt Emergency Contact	: KATHI LUND	**Phone #**	: (818) 767-5555 Ext:	**Permit Date**	: 10/14/2008

LOCATION: **NFPA-704: N/A** **Products: 3**

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
ACETYLENE	PURE	**319.00 CUBIC FEET**	GAS	
Hazard Class:		*Storage Type:* CYLINDER		
Ingredients	*Max %*	*CAS #*		

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
CO2	PURE	**1,800.00 CUBIC FEET**	GAS	
Hazard Class:		*Storage Type:* CYLINDER		
Ingredients	*Max %*	*CAS #*		

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
OXYGEN	PURE	**244.00 CUBIC FEET**	GAS	
Hazard Class:		*Storage Type:* CYLINDER		
Ingredients	*Max %*	*CAS #*		

02/26/2006 My signature indicates that I have verified and agreed with the types and quantities of hazadous materials at this address

INSP SIG: _____ INSP. DATE: _____ BUS. REP. SIG: _____ DATE: _____ DE. SIG.: _____ DATE _____

CONSOLIDATED CONTINGENCY PLAN

COVER PAGE

FACILITY IDENTIFICATION			
BUSINESS NAME Berket	3		FACILITY ID # 1
SITE ADDRESS 11285 Goss	103	CITY 104	ZIP CODE 105

The Consolidated Contingency Plan provides businesses a format to comply with the emergency planning requirements of the following three written hazardous materials emergency response plans required in California:

- Hazardous Materials Business Plan (HSC Chapter 6.95 Section 25504 (b) and 19 CCR Sections 2729-2732),
- Hazardous Waste Generator Contingency Plan (22 CCR Section 66264.52), and,
- Underground Storage Tank Emergency Response Plan and Monitoring Program (23 CCR Sections 2632 and 2641).

This format is designed to reduce duplication in the preparation and use of emergency response plans at the same facility, and to improve the coordination between facility response personnel and local, state and federal emergency responders during an emergency. Use the chart below to determine which sections of the Consolidated Contingency Plan need to be completed for your facility. If you are unsure as to which programs your facility is subject to, refer to the Business Activities Page.

PROGRAMS	SECTION(S) TO BE COMPLETED
Hazardous Materials Business Plan (HMBP)	Cover Page, Section I, and Site Map(s)
Hazardous Waste Generator (HWG)	Cover Page, Section I, and Site Map(s)
Underground Storage Tank (UST)	Cover Page, Sections I and II, and Site Map(s)
HMBP, HWG, UST	Cover Page, Sections I and II, and Site Map(s)

A copy of the plan shall be submitted to your local CUPA and at least one copy of the plan shall be maintained at the facility for use in the event of an emergency and for inspection by the local agency. Describe below where a copy of your Contingency Plan, including the hazardous material inventories and Site Map(s), is located at your business:

PLAN CERTIFICATION	
I certify under penalty of law that I have personally examined and I am familiar with the information provided by this plan and to the best of my knowledge the information is accurate, complete, and true.	
Printed Name of Owner/ Operator	Title of Owner/Operator
Signature of Owner/ Operator	Date

We appreciate the effort of local businesses in completing these plans and will assist in every possible way. If you have any questions, please contact your local CUPA or PA.

OFFICIAL USE ONLY		DATE RECEIVED		REVIEWED BY		
DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

BERKOT
MFG. CO., INC.

PO BOX 218 • SUN VALLEY, CA 91353-0218
11285 GOSS STREET • SUN VALLEY, CA 91352
(818) 767-5555 • (323) 875-1163
FAX (818) 767-5557

January 2, 2008

Fire Prevention Bureau
Technical Section
Fire Department
200 North Main Street, Room 1780
Los Angeles, CA 90012

Re: Facility ID: FA0001550

Attn: Elva

Dear: Elva

Per our conversation on the telephone today, I am sending you a copy of the flyer we've been sending out since May 2007.

Our mailing address is: Berkot Mfg. Co., Inc.
P.O. Box 218
Sun Valley, CA 91353-0218.

Berkot has had this same P.O. Box for more than 30 years. Until earlier this year, the Post Office has always deposited mail addressed to our street number into our P.O. Box. Due to changes in the USPS policy, they are not forwarding our mail and at times seem to misplace or lose it.

I am sorry for any confusion.

Thank you,

Bryant Lund
BERKOT MFG. CO., INC.

Please note the following update for Berkot Manufacturing Co., Inc. as of May 2007:

Mailing address:

Berkot Mfg. Co., Inc.
P. O. Box 218
Sun Valley, CA 91353-0218

Shipping and Delivery address:

Berkot Mfg. Co., Inc.
11285 Goss St.
Sun Valley, CA 91352

Thank you.

DATA ENTRY INSTRUCTION FORM (DEIF)

DATE 1-17-06 NEW USER ☐

INSPECTOR'S NAME KURIMOTO INSPECTOR NO. 449

BUSINESS NO. 1550

BUSINESS NAME Burkot Mfg

8, 12, 18, 24, 28, 41, 42, 44, 50, 52, 55, 56
70, 74, 75, 76, 77, 81, 82, 87, 91, 96, 98
103, 104, 107

ACTION: *(Automatically entered by Data Entry)*

- ☐ (EJ) Disclosure Amendment or Additional Applications Given or Sent
- ☐ (BI) Notification of Business Plan Requirements
- ☑ (DA) Approval of Business Plan *(Date)* 1/17/06
- ☑ (VA) Inventory Verified By On-Site Inspection *(Date)* 1/17/06
- ☐ (EG) Warning Notice for Failure to Disclose
- ☐ (BG) Warning Notice for Failure to Submit Business Plan
- ☐ Medical Exemption Approved *(Signature)*

DATA ENTRY INSTRUCTIONS: *(Circle desired form to make instruction clear and check off appropriate boxes)*

- ☑ Enter Highlighted Changes on BP-1 / BP-8
- ☐ Enter Inventory On Amendment / Disclosure
- ☐ Inactivate Business *(Journal Entry Should Be Included)*
- ☐ Other Instructions: *(For example: Enter I Codes; Combine Businesses under one BP number)*

OCC. JURISDICTION HIRS HZMT VIND VINS VPSU VS&C CO See Reverse For Journal ☐

INSPECTOR TIMEKEEPING: I1 _____ I2 _____ I3 _____

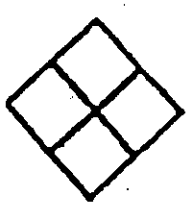
K-5 (Emergency Information) _____ K-6 (Inventory) _____
K-7 (Business Plans) _____ K-8 (Site Map) _____
K-9 (Other Code Enforcement) _____ *(K-Codes are entered automatically)*

STATUS:	YES	NO
Business Plan Required	☐	☐
Government Agency	☐	☐
Cancel Certificate	☐	☐

Reason:
- ☐ Out of Business
- ☐ Moved Location
- ☐ No Hazardous Materials
- ☐ Change of Ownership
- ☐ Below Disclosure Level

704 DATA: Write out in linear format (i.e., 2-3-2 COR)

_____



Area Covered by Placard:

_____

_____

Data Entry Name _____ Date Entry Done 3/17/06

City of LOS ANGELES
CALIFORNIA

BUSINESS INFORMATION

LOS ANGELES FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3680

Printed on: 01/04/2006

INSTRUCTIONS : Please complete and sign this form; your signature indicates that the information, as supplied, is accurate.

Business Number: FA0001550 This is your current business plan number. This number must appear on all business plan forms!
Business Name : BERKOT MFG CO INC

Address Where Business is Conducted : 11285 W GOSS ST, SUN VALLEY, CA 91352
Mailing Address : 11285 W GOSS ST SUN VALLEY, CA 91352

Other On-Site Addresses:

Briefly describe the nature of the hazardous materials operations:

Number of Employees: 0 4
SIC Code : 7500

Dun & Bradstreet Number:

CONTACT	WORK #	24 HOUR #	PAGER #	OTHER #
Owner Name: LUND, BRYANT	(818) 767-5555			
On-Site Manager:				
Emergency Contact: BRYANT LUND	(818) 767-5555			
2nd Emergency Contact: ~~TERRY HAMBLIN~~ KATHI LUND	(818) 767-5555			

X Bryant Lund

Signature of Legal Business Owner/Authorized Representative | Title | Date

Business Plan has been reviewed and approved: _____

Office Use Only Insp. ID: _____ Date: _____ D/E ID: _____ Date: _____ TS: _____

City of LOS ANGELES
CALIFORNIA

LOS ANGELES
FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3680

Hazardous Materials System
BP-8: Computer Listing of Inventory Submitted
Inspection Responsibility: VIU

Business No : FA0001550
First In : 077
Block # :

Printed on: 1/4/2006

Business Name : BERKOT MFG CO INC
Business Owner : LUND
On-Site Manager :
Emergency Contact : BRYANT LUND
Alt Emergency Contact: TERRY HAMBLIN

Business Address: 11285 W GOSS ST,
SUN VALLEY, CA 91352
Phone # :
Phone # : (818) 767-5555 Ext:
Phone # : (818) 767-5555 Ext:

Last Inspection Date: 02/26/2003
SIC Code : 7500
# of Employees :
Sq. Ft. of Facility : N/A
Permit Date : 12/15/2005

LOCATION:

NFPA-704: N/A

Products: 3

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
ACETYLENE	PURE	**319.00 CUBIC FEET**	GAS	
Hazard Class:		*Storage Type:* CYLINDER		
Ingredients	*Max %*	*CAS #*		

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
CO2	PURE	**1,800.00 CUBIC FEET**	GAS	
Hazard Class:		*Storage Type:* CYLINDER		
Ingredients	*Max %*	*CAS #*		

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
OXYGEN	PURE	**244.00 CUBIC FEET**	GAS	
Hazard Class:		*Storage Type:* CYLINDER		
Ingredients	*Max %*	*CAS #*		

02/26/2003 My signature indicates that I have verified and agreed with the types and quantities of hazadous materials at this address

INSP SIG: _____ INSP. DATE: _____ BUS. REP. SIG: X _____ DATE: _____ DE. SIG.: _____ DATE _____

FACITY ID #: 1550

2004

and

Older

DATA ENTRY INSTRUCTION FORM (DEIF)

DATE 3-3-03 NEW USER ☐

INSPECTOR'S NAME KURIMOTO INSPECTOR NO. 449

BUSINESS NO. 1990 FS 8 18 19 23 24 28 37 41 6

BUSINESS NAME Barkat Mfg 70 71 74 75 76 77 81 82 87 91

ACTION: *(Automatically entered by Data Entry)* 96 98 103 104 107

- ☐ (EJ) Disclosure Amendment or Additional Applications Given or Sent
- ☐ (BI) Notification of Business Plan Requirements
- ☒ (DA) Approval of Business Plan *(Date)* 9.26.03
- ☒ (VA) Inventory Verified By On-Site Inspection *(Date)* _____
- ☐ (EG) Warning Notice for Failure to Disclose
- ☐ (BG) Warning Notice for Failure to Submit Business Plan
- ☐ Medical Exemption Approved *(Signature)* _____

DATA ENTRY INSTRUCTIONS: *(Circle desired form to make instruction clear and check off appropriate boxes)*

- ☒ Enter Highlighted Changes on BP-1 / BP-8
- ☐ Enter Inventory On Amendment / Disclosure
- ☐ Inactivate Business *(Journal Entry Should Be Included)*
- ☐ Other Instructions: *(For example: Enter I Codes; Combine Businesses under one BP number)*

OCC. JURISDICTION HIRS HZMT VIND VINS VPSU VS&C CO See Reverse For Journal ☐

INSPECTOR TIMEKEEPING: I1 _____ I2 _____ I3 _____

K-5 (Emergency Information) _____ K-6 (Inventory) _____

K-7 (Business Plans) _____ K-8 (Site Map) _____

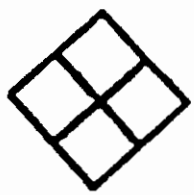
K-9 (Other Code Enforcement) _____ *(K-Codes are entered automatically)*

STATUS:	YES	NO
Business Plan Required	☐	☐
Government Agency	☐	☐
Cancel Certificate	☐	☐

Reason:
- ☐ Out of Business
- ☐ Moved Location
- ☐ No Hazardous Materials
- ☐ Change of Ownership
- ☐ Below Disclosure Level

704 DATA: Write out in linear format (i.e., 2-3-2 COR)

_____



Area Covered by Placard:

_____

_____

Data Entry Name: [illegible] Data Entry Date: 3/6/03

CITY OF LOS ANGELES
CALIFORNIA

Business Information

DEPARTMENT OF FIRE
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 485-8080

Printed on: 02/07/2003

INSTRUCTIONS: Please complete and sign this form; your signature indicates that the information, as supplied, is accurate.

Business Number: 0001550 This is your current business plan number. This number must appear on all business plan forms!

Business Name: BERKOT MFG CO INC

Address Where Business is Conducted: 11285 W GOSS ST
LOS ANGELES, 91352

Mailing Address: P.O. BOX 218
SUN VALLEY, CA 91352

Other On-Site Addresses:

Briefly describe the nature of the hazardous materials operations: _____

Number of Employees: 4 **Dun & Bradstreet Number:** - -

SIC Code: 7500

CONTACT	WORK #	24 HOUR #	PAGER #
Owner Name: BRYANT LUND	(818)767-5555	( ) -	( ) -
On-Site Manager: BRYANT LUND	(818)767-5555	( ) -	( ) -
Emergency Contact: BRYANT LUND		( ) -	( ) -
2nd Emergency Contact: TERRY HAMBLIN		( ) -	( ) -

****

X _____ _____ _____

Signature of Legal Business Owner/Authorized Representative **Title** **Date**

Business Plan has been reviewed and approved: _____

****

Office Use Only Insp. ID: _____ Date: _____ D/E ID: _____ Date: _____ TS: _____

CITY OF LOS ANGELES
CALIFORNIA

DEPARTMENT OF FIRE
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 485-8080

Hazardous Materials System

BP-8: Computer Listing of Inventory Submitted

Inspection Responsibility: VIU

Business No: 0001550
First In: 077

Printed on: 02/07/2003

Business Name:	BERKOT MFG CO INC	Business Address:	11285 W GOSS ST	Last Inspection Date:	02/03/2000
Business Owner:	BRYANT LUND		LOS ANGELES, 91352	SIC Code:	7500
On-Site Manager:	BRYANT LUND	Phone #:	(818)767-5555	# of Employees:	4
Emergency Contact:	BRYANT LUND	Phone #:		Sq. Ft. of Facility:	4000
Alt Emerg Contact:	TERRY HAMBLIN	Phone #:		Permit Date:	09/30/2002

Location:

NFPA-704: - -

Products: 3

Chemical Name	Haz Mat Type	Max Quantity on Hand	State	Fed Haz Catg.
CO2	PURE	2796 CUBIC FEET (1800)	GAS	PRESSURE RELEASE
Hazard Class: NONFLAMMABLE COMPRESSED GAS		*Storage Type:* CYLINDER		
ACETYLENE	PURE	319 CUBIC FEET	GAS	FIRE, PRESSURE RELEASE
Hazard Class: FLAMMABLE MATERIAL		*Storage Type:* CYLINDER		
OXYGEN	PURE	244 CUBIC FEET	GAS	PRESSURE RELEASE
Hazard Class: NONFLAMMABLE COMPRESSED GAS		*Storage Type:* CYLINDER		

My signature indicates that I have verified and agreed with the types and quantities of hazardous materials at this address

INSP SIG: _____ INSP DATE: _____ BUS. REP SIG: _____ DATE: _____ DE SIG: _____ DATE: _____

Total Pages: 1

DATA ENTRY INSTRUCTION FORM (DEIF)

DATE 2-8-00 NEW USER ☐

INSPECTOR'S NAME KURIMOTO INSPECTOR NO. 449

BUSINESS NO. 1550-8 FS DIST. 8 18 24 70 74 77

BUSINESS NAME Berkot Mfg 81 87 91 96 98 103 104 107

ACTION: *(Automatically entered by Data Entry)*

- ☐ (EJ) Disclosure Amendment or Additional Applications Given or Sent
- ☐ (BI) Notification of Business Plan Requirements
- ☒ (DA) Approval of Business Plan *(Date)* 2-3-00
- ☒ (VA) Inventory Verified By On-Site Inspection *(Date)* 2-3-00
- ☐ (EG) Warning Notice for Failure to Disclose
- ☐ (BG) Warning Notice for Failure to Submit Business Plan
- ☐ Medical Exemption Approved *(Signature)*

DATA ENTRY INSTRUCTIONS: *(Circle desired form to make instruction clear and check off appropriate boxes)*

- ☒ Enter Highlighted Changes on BP-1 / BP-8
- ☐ Enter Inventory On Amendment / Disclosure
- ☐ Inactivate Business *(Journal Entry Should Be Included)*
- ☐ Other Instructions: *(For example: Enter I Codes; Combine Businesses under one BP number)*

OCC. JURISDICTION HIRS HZMT VIND VINS VPSU VS&C CO See Reverse For Journal ☐

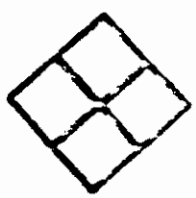
INSPECTOR TIMEKEEPING: I1 5 I2 I3 5

K-5 (Emergency Information) K-6 (Inventory)
K-7 (Business Plans) K-8 (Site Map)
K-9 (Other Code Enforcement) *(K-Codes are entered automatically)*

STATUS:	YES	NO
Business Plan Required	☐	☒
Government Agency	☐	☒
Cancel Certificate	☐	☒

Reason:
- ☐ Out of Business
- ☐ Moved Location
- ☐ No Hazardous Materials
- ☐ Change of Ownership
- ☐ Below Disclosure Level

704 DATA: Write out in linear format (i.e., 2-3-2 COR)



Area Covered by Placard:

BUSINESS INFORMATION

INSTRUCTIONS: Please complete and sign this form; your signature indicates that the information, as supplied is accurate.

Business Plan Number: 001550-8 THIS IS YOUR CURRENT BUSINESS PLAN NUMBER.
THIS NUMBER MUST APPEAR ON ALL BUSINESS PLAN FORMS!

Business Name: BERKOT MFG CO INC

Address Where Business Is Conducted: 11285 W GOSS ST

LOS ANGELES CA 91352

Other On-Site Addresses: _____

_____

_____

_____

Legal Business Owner Name: BRYANT LUND WORK PHONE NUMBER (818) 767-5555

On-Site Manager: BRYANT LUND (818) 767-5555

EMERGENCY PHONE NUMBER (24-HOUR)

Emergency Contact: BRYANT LUND _____

Alternate Emergency Contact: TERRY HAMBLIN _____

Standard Industrial Classification (SIC) Code of Business: 7500

Dun & Bradstreet Number: _ _-_ _ _-_ _ _ _

MAILING ADDRESS: PO BOX 218

SUN VALLEY CA 91352

Briefly describe the nature of the hazardous materials operations:

_____

_____

Number of Employees: ~~5~~ 4 Square Footage of Facility: ~~10,000~~ 4,000

_____ _____ _____

Signature of Legal Business Owner/Authorized Representative Title Date

Business Plan has been reviewed and approved: _____

****

Office Use Only Insp. I.D.:_____ Date:_____ D/E I.D.:_____ Date:_____ TS:_____

REPORT NO: IHMSR500
RUN DATE : 02/21/1997

HAZARDOUS MATERIALS SYSTEM
BP-8: COMPUTER LISTING OF INVENTORY SUBMITTED
INSPECTION RESPONSIBILITY: VALLEY INDUSTRIAL

PAGE : 1
BUSINESS #: 001550-8
FIRST IN : 77
BLOCK # :

BUS NAME : BERKOT MFG CO INC
BUS OWNER : BRYANT LUND
ON-SITE MANAGER : BRYANT LUND
EMERG CONTACT : BRYANT LUND
ALT EMERG CONTACT: TERRY HAMBLIN

ADDR: 11285 W GOSS ST
PH #: 818-767-5555
PH #:
PH #:

BUS PLN REVW: 02/19/1997 INV VERIFIED: 03/17/1994
SIC CODE : 7500
NO OF EMPLOYEES : 5
SQ FT OF FACILITY : 10,000

SEQ	EXT HAZ	MATERIAL DESCRIPTION / INGREDIENTS	WST MAX%	MAXIMUM QUANTITY AT ANY TIME / CAS NO.	STORAGE TYPES	HEALTH & PHYS HAZ	ST	HAZARD CLASS
LOCATION:		LAFD#: 011265-001-3 NFPA-704:						PRODUCTS: 3
5		ACETYLENE		319.00 CF	GAS CYLINDER	FIRE PRESSURE	G	FLAMMABLE MAT
4		OXYGEN		244.00 CF	GAS CYLINDER	PRESSURE	G	NONFLAM COMP GAS
6		CO2		2796.8 CF 320.00 LB	GAS CYLINDER	PRESSURE	G	NONFLAM COMP GAS

MY SIGNATURE INDICATES THAT I HAVE VERIFIED AND AGREED WITH THE TYPES AND QUANTITIES OF HAZARDOUS MATERIALS AT THIS ADDRESS

INSP SIG: _____ INSP DATE: _____ BUS REP SIG: _____ DATE: 2/3/00 DE SIG: _____ DATE: _____

DATA ENTRY INSTRUCTION FORM (DEIF)

DATE 2-19-97 NEW USER ☐

INSPECTOR'S NAME W O R T H INSPECTOR NO. 4 4 9

BUSINESS NO. 1110.8 FS DIST. 8 18 24 70 74 75 (77)

BUSINESS NAME BLACKOUT MFG. 81 87 91 96 98 103 104 107

ACTION: *(Automatically entered by Data Entry)*

- ☐ (EJ) Disclosure Amendment or Additional Applications Given or Sent
- ☐ (BI) Notification of Business Plan Requirements
- ☑ (DA) Approval of Business Plan *(Date)* 2-19-97
- ☐ (VA) Inventory Verified By On-Site Inspection *(Date)*
- ☐ (EG) Warning Notice for Failure to Disclose
- ☐ (BG) Warning Notice for Failure to Submit Business Plan
- ☐ Medical Exemption Approved *(Signature)*

READ AND APPROVED QUALITY CONTROL TLD FEB 2 5 1997

DATA ENTRY INSTRUCTIONS: *(Circle desired form to make instruction clear and check off appropriate boxes)*

- ☐ Enter Highlighted Changes on BP-1 / BP-8
- ☐ Enter Inventory On Amendment / Disclosure
- ☐ Inactivate Business *(Journal Entry Should Be Included)*
- ☐ Other Instructions: *(For example: Enter I Codes; Combine Businesses under one BP number)*

OCC. JURISDICTION VIND See Reverse For Journal ☑

INSPECTOR TIMEKEEPING: I1 .1 I2 _____ I3 .1

K-5 (Emergency Information)_____ K-6 (Inventory) _____

K-7 (Business Plans) .1 K-8 (Site Map) _____

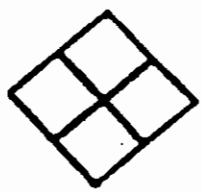
K-9 (Other Code Enforcement)_____ *(K-Codes are entered automatically)*

STATUS:	YES	NO
Business Plan Required	☑	☐
Government Agency	☐	☑
Cancel Certificate	☐	☑

Reason:
- ☐ Out of Business
- ☐ Moved Location
- ☐ No Hazardous Materials
- ☐ Change of Ownership
- ☐ Below Disclosure Level

704 DATA: Write out in linear format (i.e., 2-3-2 COR)

_____



Area Covered by Placard:

_____

_____

Data Entry Name: David Stelow Data Entry Date: 2-21-97

001550

PAGE 1 OF 5

BUSINESS INFORMATION (BP-1)

INSTRUCTIONS: The information below was submitted by your business to the Los Angeles City Fire Department. Review all the information and make any necessary changes to update your record. Cross out any information that is incorrect and insert the correct or missing information in the space provided. Sign the bottom of this form. Your signature indicates that this information is accurate as corrected by you.

LAFD Number: 011265-001-3 THIS IS YOUR CURRENT LAFD ACCOUNT NUMBER. THIS NUMBER MUST APPEAR ON ALL BUSINESS PLAN FORMS!

Address Where Business Is Conducted: 11285 W GOSS ST Zip Code: 91352

Unit Type: _____ Unit Number: _____

(Examples of Unit Types: apartment, bay, building, berth, basement, dock, floor, foyer, gate, hangar, loft, level, mezzanine, office, pad, penthouse, pier, roof, room, runway, stage, shop, slip, space, stall, suite, terminal, track, unit.)

		WORK PHONE NUMBER
Business Owner Name:	BRYANT LUND	(818) 767-5555
On-Site Manager:	BRYANT LUND	(818) 767-5555
		EMERGENCY PHONE NUMBER (24-HOUR)
Emergency Contact:	BRYANT LUND	
Alternate Emergency Contact:	TERRY HAMBLIN	

Standard Industrial Classification (SIC) Code of Business: 7500

Below is your mailing address. Please make corrections on the space provided to the left.

BERKOT MFG CO INC
PO BOX 218
SUN VALLEY CA 91352

Describe the business operations that use or handle hazardous materials: PAINTING OF STEEL PRODUCTS

Maximum number of employees: 5 Total square footage of facility: ~10000 ft² (PROPERTY)

Bryant Lund — Signature of Business Owner or Authorized Representative

PRES — Title

12/24/87 — Date

| Office Use Only | 902:____ Insp. I.D.:____ Date:____ D/E I.D.: DJH Date: 3/16/88

JAN 21 1988

DATA ENTRY INSTRUCTION FORM (DEIF)

DATE 3-17-94 NEW USER ☐

INSPECTOR NAME WORTH INSPECTOR NO. 449

BUSINESS NO. 1770-8 FS DIST. 8 18 24 70 74 75 77 81 87 91 98 103 107

BUSINESS NAME DARKSI INFO CO. INC

ACTION: *(Automatically entered by Data Entry)*

- ☐ (EJ) Disclosure Amendment or Additional Applications Given or Sent
- ☒ (BI) Notification of Business Plan Requirements
- ☐ (DA) Approval of Business Plan
- ☒ (VA) Inventory Verified By on Site Inspection 3-17-94 Date
- ☐ (EG) Warning Notice for Failure to Disclose
- ☐ (BG) Warning Notice for Failure to Submit Business Plan
- ☐ Medical Exemption Approved _____ Signature

DATA ENTRY INSTRUCTIONS: *(Circle desired form to make instruction clear and check off appropriate boxes.)*

1 of 44 sent plan sheet to request F801

- ☒ Enter highlighted changes on BP-1 / (BP-8)
- ☐ Enter inventory on Amendment / Disclosure
- ☐ Inactivate Business *(Journal entry should be included.)*
- ☒ Other instructions: *(For example: Enter I Codes; Combine Businesses under one BP number; ...)*

RENEWALS

(Business comments should be written on reverse side of DEIF, only.) See Reverse For Journal ☑

INSPECTOR TIMEKEEPING: I1 1.0 I2 _____ I3 .50

K-5 (Emergency Information) .2 Trans. K-6 (Inventory) .10 trans.

K-7 (Business Plans) .2 trans. K-8 (Site Map) _____

K-9 (Other Code Enforcement) _____ *(K-Codes are entered automatically.)*

STATUS:	Yes	No
Business Plan Required	☑	☐
Government Agency	☐	☑
Cancel Certificate	☐	☑

Reason: ____ Out of Business
____ Moved Location
____ No Hazardous Materials
____ Change of Ownership
____ Below Disclosure Level

704 DATA: Write out in linear format (i.e., 2-3-2 COR)

_____

828 Permit No: _____

Area Covered by Placard:

_____

_____

_____

Data Entry Name: Trans. Data Entry Date: 4-4-94

Mgmt/rev. DEIF WITH 704/030893

REPORT NO. IHMS-500
RUN DATE = 10/09/1992

HAZARDOUS MATERIALS SYSTEM
BP-8: COMPUTER LISTING OF INVENTORY SUBMITTED

BUSINESS #: 001550-8
FIRST IN : 77
BLOCK # :

BUS NAME : BERKOT MFG CO INC
BUS OWNER : BRYANT LUND
ON-SITE MANAGER : BRYANT LUND
EMERG CONTACT : BRYANT LUND
ALT EMERG CONTACT: TERRY HAMBLIN

ADDR: 11285 W GOSS ST

PH #: 818-767-5555
PH #:
PH #:

BUS PLN RCVD: 01/21/1988 INV VERIFIED: 08/27/1
SIC CODE : 7500
NO OF EMPLOYEES : 5
SQ FT OF FACILITY : 10,000

SEQ	EXT HAZ	MATERIAL DESCRIPTION / INGREDIENTS	WST MAX%	MAXIMUM QUANTITY AT ANY TIME / CAS NO.	STORAGE TYPES	HEALTH & PHYS HAZ	ST	HAZARD CLASS
LOCATION:		LAFD#: 011265-001-3 NFPA-704:						PRODUCTS:
3		PAINT		25.00 GA	DRUMS, CARBOYS	FIRE	L	COMBUSTIBLE LIQ

OXY 244 cf J 4 G 1A
ACET 1/P cf J 3,4 G 3A
CO2 300 LB J 4 G 1A

INSP SIG: _____ INSP DATE: 2-24-94 BUS REP SIG: _____ DATE: 3/21/94 DE SIG: _____ DATE: 4/4/94

BUSINESS INFORMATION

INSTRUCTIONS: Please complete and sign this form; your signature indicates that the information, as supplied is accurate.

Business Plan Number: 001550-8 THIS IS YOUR CURRENT BUSINESS PLAN NUMBER.
THIS NUMBER MUST APPEAR ON ALL BUSINESS PLAN FORMS!

Business Name: BERKOT MFG CO INC

Address Where Business Is Conducted: 11285 W GOSS ST

LOS ANGELES CA 91352

Other On-Site Addresses: _____

_____

_____

_____

Legal Business Owner Name:	BRYANT LUND	WORK PHONE NUMBER (818) 767-5555
On-Site Manager:	BRYANT LUND	(818) 767-5555
		EMERGENCY PHONE NUMBER (24-HOUR)
Emergency Contact:	BRYANT LUND	- _____
Alternate Emergency Contact:	TERRY HAMBLIN	- _____

Standard Industrial Classification (SIC) Code of Business: 7500

Dun & Bradstreet Number: _ _-_ _ _-_ _ _ _

MAILING ADDRESS: PO BOX 218

SUN VALLEY CA 91352

Briefly describe the nature of the hazardous materials operations:

_____

_____

Number of Employees: 5 Square Footage of Facility: 10,000

Bryant Lund — Pres — 9/2/92

Signature of Legal Business Owner/Authorized Representative | Title | Date

****

Office Use Only Insp. I.D.: 445 Date: 8/27/92 D/E I.D.: _____ Date: _____ TS: _____

445 2248

CITY OF LOS ANGELES
CALIFORNIA

BOARD OF
FIRE COMMISSIONERS
485-6032

JAMES E. BLANCARTE
PRESIDENT
CARL R. TERZIAN
VICE-PRESIDENT
AILEEN ADAMS
NICHOLAS H. STONNINGTON
KENNETH S. WASHINGTON

EVA WHITELOCK
EXECUTIVE ASSISTANT

TOM BRADLEY
MAYOR

DEPARTMENT OF FIRE
200 NORTH MAIN STREET
LOS ANGELES, CA 90012

DONALD O. MANNING
CHIEF ENGINEER
AND
GENERAL MANAGER

October 15, 1992

Berkot Mfg Co Inc
P.O. Box 218
Sun Valley, CA 91352

Dear Bryant Lund:

RE: Account Number 126413-57

We have received your amendment application and "Claim For Refund Not Over $5,000." After reviewing the changes to your inventory:

____ **You are not eligible for a refund.** Your reduction of hazardous materials was not enough to lower your class code.

✓ **You are eligible for a refund.** You will receive a new Disclosure Certificate indicating your new class code. It is not a bill. Please discard the old certificate and post the new certificate at your place of business. Allow 6-8 weeks for your refund to be processed. If you have not received your refund after 8 weeks, you may call the City Clerk's office at (213) 368-7178 to check on the status.

If you have other questions, contact the Hazardous Materials Section at (213) 485-7408 or (213) 485-7477.

Very truly yours,

L. J. Krokes, Battalion Chief
Commander, Hazardous Materials Section
Bureau of Fire Prevention and Public Safety

LJK:DP:ld:5109Z/5110Z

Attachment

AN EQUAL EMPLOYMENT OPPORTUNITY - AFFIRMATIVE ACTION

Form Gen. 64—(Rev. 1-79)

DISTRIBUTION:
ORIG.—Dept.
DUP.—Controller
TRIP.—Claimant

CITY OF LOS ANGELES
CLAIM FOR REFUND NOT OVER $5000
Sec. 22.13 Los Angeles Municipal Code

RESERVE FOR FILING STAMP

CLAIM NO. C-

RECEIVED
CITY CLERK'S OFFICE
92 OCT 15 AM 9:47
ELIAS MARTINEZ
CITY CLERK
BY _____ DEPUTY

4184

92-256

NOTE: A Claimant may be required to submit to examination under oath. (Charter Section 63.) Presentation of a false claim is a felony. (California Penal Code Section 72.)

TO: CITY CLERK, Room 395, City Hall, Los Angeles 90012

1. PRINT NAME OF CLAIMANT (Last)	(First)	(Middle)		
BERKLEY MFG. CO. INC.				
2. BUSINESS ADDRESS (Street)	(City)	(State)		
11285 GOSS ST	SUN VALLEY	CA 91352		
3. MAILING ADDRESS (Street)	(City)	(Zip Code)	4. PHONE NO.	
P.O. BOX 218	SUN VALLEY	CA 91352	(213) 875-1163	
5. CITY DEPARTMENT TO WHICH PAYMENT WAS MADE		6. DATE PAID	7. AMOUNT CLAIMED	
TAX AND PERMIT		12 20 91	$ 433.00	

8. LICENSE, PERMIT NO. OR OTHER INFORMATION
126113-57

9. LOCATION OF JOB

10. STATE THE DETAILS OF THE EVENTS LEADING TO THE FILING OF THIS CLAIM. Eg. date, time, place, name, type of contact, etc. Use supplementary sheets if necessary.

ORIGINAL INVOICE BASED ON 1401 INVENTORY

CURRENT INVOICE NOT CHANGED

11. I HEREBY CERTIFY THAT THE ABOVE STATEMENTS ARE TRUE	SIGNATURE AND TITLE OF CLAIMANT	DATE
12. SUBSCRIBED AND SWORN TO BEFORE ME Robert J Berkman this 9TH day of OCT 1992	Robert J Berkman PRES.	9/2/92
	SIGNATURE OF DEPUTY CITY CLERK OR NOTARY PUBLIC	

DEPARTMENTAL RECOMMENDATION

☒ APPROVED AS REQUESTED ☐ APPROVED AS MODIFIED ☐ DISAPPROVED

FUND PAYABLE FROM	AMOUNT APPROVED
	$ 433.00

REMARKS

ON SITE INSPECTION CONDUCTED

CLASS CODE CHANGED FROM F-804 TO F-801

REFUND IN ORDER

804

NAME AND TITLE OF PERSON MAKING RECOMMENDATION	NAME AND TITLE OF PERSON AUDITING CLAIM	
[illegible] 10/14/92		
DEPARTMENT HEAD	BY	DATE

DATA ENTRY INSTRUCTION FORM (DEIF)

DATE 8/27/92 NEW USER ON BACK [ ]

INSPECTOR NAME BRINKMAN INSPECTOR NO. 445

BUSINESS NO. 1550-8 FS DIST. ~~74~~ ~~75~~ 77

BUSINESS NAME BERKOT

ACTION:

- [ ] (EJ) Disclosure Amendment or Additional Applications Given or Sent
- [ ] (BI) Notification of Business Plan Requirements
- [ ] (DA) Approval of Business Plan
- [x] (VA) Inventory Verified By on Site Inspection 8/27/92 (Date)
- [ ] (EG) Warning Letter for Failure to Disclose
- [ ] (BG) Warning Letter for Failure to Submit Business Plan
- [ ] Medical Exemption Approved _____ Signature
- [ ] Amendment

DATA ENTRY INSTRUCTIONS:

New Class Code F801 Auth to CC 10/9/92

- [x] ENTER ABOVE ACTION TAKEN
- [ ] INACTIVATE
- [x] ENTER CHANGES ON AMENDMENT DISCLOSURE BP-1 BP-8
- [ ] OTHER: RECLASSIFY THE BUSINESS AND INDICATE THE NEW CLASS CODE ON THIS DEIF.

See Reverse For Journal [x]

STATUS CHANGE:

	Yes	No
Business Plan Required	[ ]	[ ]
Government Agency	[ ]	[ ]
Cancel Certificate	[ ]	[ ]

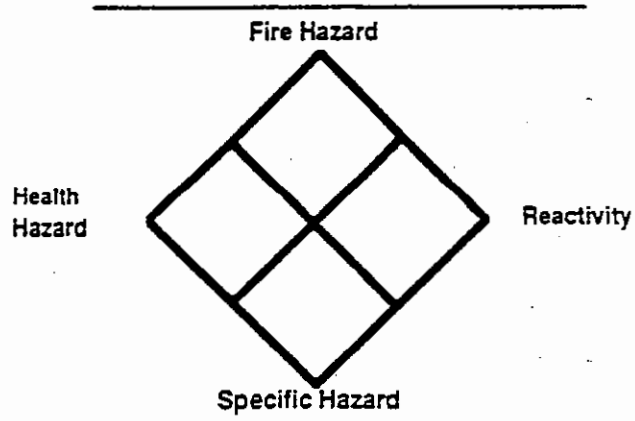
Reason: ____ Out of Business

____ Moved Location

____ No Hazardous Materials

____ Change of Ownership

704 DATA: Write out in linear format (i.e., 2-3-2 COR)



828 Permit No: _____

Area Covered by Placard: _____

Data Entry Name: [signature] Data Entry Date: 10/9/92

Data Mgmt/rev. DEIF WITH 704/021892

PS-77

(Rev. 5/89)

AMENDMENT FORM

CERTIFICATE OF DISCLOSURE OF HAZARDOUS SUBSTANCES

INSTRUCTIONS: DO NOT USE THIS FORM FOR A CHANGE IN THE BUSINESS LOCATION OR THE BUSINESS OWNER. AN INITIAL APPLICATION MUST BE SUBMITTED WHEN A BUSINESS MOVES TO A NEW LOCATION OR CHANGES OWNERSHIP.

COMPLETE ALL ITEMS BELOW. TYPE OR PRINT NEATLY. MAIL THIS AMENDMENT FORM TO: LOS ANGELES CITY FIRE DEPARTMENT, HAZARDOUS MATERIALS SECTION, 200 NORTH MAIN STREET, ROOM 990-B, LOS ANGELES, CA. 90012.

LAFD # 011265-001-3 BUSINESS TAX ACCOUNT # 126413-57 FD BUS # 15508

LEGAL NAME OF BUSINESS BERKOT MFG. CO. INC. SIC CODE # 7500

BUSINESS SITE ADDRESS 11285 GOSS ST. UNIT # _____

CITY SUN VALLEY STATE CA ZIP 91352

NAME OF BUSINESS OWNER BRYANT LUND (PRES) PHONE (818) 767-5565

NAME OF ON-SITE MANAGER BRYANT LUND PHONE (818) 767-5565

PRIMARY EMERGENCY CONTACT BRYANT LUND 24 HR EMERGENCY PHONE _____

ALTERNATE EMER. CONTACT TERRY HAMBLIN 24 HR EMERGENCY PHONE _____

DOING BUSINESS AS (DBA) _____ IN CARE OF _____

BUSINESS MAILING ADDRESS P.O. BOX 218 SUN VALLEY CA 91352

NAME OF PROPERTY OWNER JOELLEN TAHRAE.

MAILING ADDRESS 96 OAK DR., CEDAR GROVE NJ 07009 PHONE _____

LIST ALL ADDITIONAL SITE ADDRESSESS THAT MAY BE USED TO REPORT AN EMERGENCY MAR 20 1992

BRIEFLY DESCRIBE HOW HAZARDOUS MATERIALS ARE USED IN YOUR BUSINESS PAINTING OF STEEL PRODUCTS

PERMIT INFORMATION
IF YOUR BUSINESS HAS A PERMIT ISSUED FOR HAZARDOUS SUBSTANCES OR WASTES, LIST THE PERMIT NUMBER.

	PERMIT NUMBER
A. L.A. FIRE DEPT. (FIRE PERMIT)	
B. L.A. BUREAU OF SANITATION (INDUSTRIAL WASTE)	
C. SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	
D. STATE HEALTH SERVICES (RADIOACTIVE MAT'L LICENSE)	
E. L.A. COUNTY HEALTH DEPT. (GENERATORS HAZARDOUS WASTE)	
F. E.P.A. IDENTIFICATION NO. (GENERATORS HAZARDOUS WASTE)	
G. E.P.A. IDENTIFICATION NO. (HAZARDOUS WASTE HAULER)	
H. E.P.A. IDENTIFICATION NO. (HAZARDOUS WASTE FACILITY-TSD)	
I. REGIONAL WATER QUALITY CONTROL BOARD	
J. CAL-OSHA (CARCINOGEN REGISTRATION)	
K. OTHER AGENCY (SPECIFY) _____	

IT IS UNLAWFUL FOR ANY PERSON TO KNOWINGLY VIOLATE ANY PROVISION OF THIS ORDINANCE. I CERTIFY UNDER PENALTY OF PERJURY, THAT THE ABOVE INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I AGREE TO COMPLY WITH ALL REGULATIONS, LAWS AND ORDINANCES PERTAINING TO OR RELATING TO THE ABOVE BUSINESS THAT ARE NOW IN EFFECT OR THAT MAY BE HEREAFTER ADDED.

SIGNATURES MUST BE INCLUDED.

Bryant Lund (PRES.) 12/16/91
SIGNATURE OF BUSINESS OWNER OR AUTHORIZED REPRESENTATIVE/TITLE/ DATE

Bryant Lund 12/16/91
SIGNATURE OF ON-SITE MANAGER DATE

RECEIVED
(Haz. Mat. Sec.)
Date: 12-20-91
By: MM.

FOR OFFICE USE ONLY:

INSPECTORS I.D. 445 RECEIVED BY INIT. _____ DATE 12-23-91

MASTER CODE _____ VERIFIED ✓ LAFD SIGNATURE _____ DATE 8-27-92

DATA ENTRY INIT. _____ DATE 1/19/94

DATA ENTRY INSTRUCTION FORM (DEIF)

DATE 3/5/92 NEW USER ON BACK ☐

INSPECTOR NAME BRINKMAN INSPECTOR NO. 445

BUSINESS NO. _____ FS DIST. 74 77

BUSINESS NAME _____

ACTION:

- ☐ (EJ) Disclosure Amendment or Additional Applications Given or Sent
- ☐ (BI) Notification of Business Plan Requirements
- ☒ (DA) Approval of Business Plan
- ☒ (VA) Inventory Verified By on Site Inspection 3/5/92 (Date)
- ☐ (EG) Warning Letter for Failure to Disclose
- ☐ (BG) Warning Letter for Failure to Submit Business Plan
- ☐ Medical Exemption Approved _____ (Signature)
- ☐ Amended (Inventory/Other) as Shown on Attachment

DATA ENTRY INSTRUCTIONS:

PLEASE ENTER:

See Reverse For Journal ☒

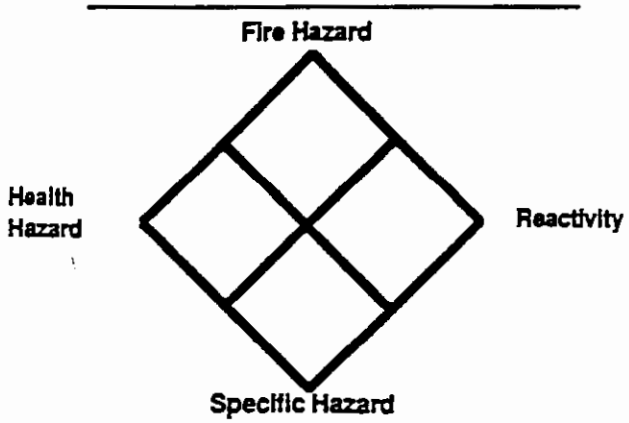
STATUS CHANGE:

	Yes	No
Disclosure Required	☐	☐
Business Plan Required	☐	☐
Government Agency	☐	☐
THO	☐	☐
RMPP	☐	☐
Cancel Permit	☐	☐

Reason: ____ Out of Business
____ Moved Location
____ No Hazardous Materials

704 DATA: Write out in linear format (i.e., 2-3-2 COR)

_____



828 Permit No: _____

Area Covered by Placard: _____

_____

_____

Data Entry Name: Data Entry Date:

DATA ENTRY INSTRUCTION FORM

Date: 3- -91
Inspector ID: 445
Inspector Name: BRINKMAN

INSPECTOR ACTIONS

Date			
Field Hrs			
Office Hrs	1/2		

TOTALS:
Field Hrs.:
Office Hrs.:
TOTAL HRS.: 1/2

New User (Back)
Post Review
Division 8 Renewals (Back)

DATA ENTRY INSTRUCTION

Type: C Action: P
Type: Action:
Type: Action:

Business No.: 15508 LAFD No.:

- CHANGE INFORMATION AS SHOWN ON THE:

☐ BP-1
☑ BP-8

- READY FOR INVOICING AND BILLING WITH OUT INSPECTION OR APPROVAL.
- PASS TO BILLING

☐ Hazmat increased from 801 to 810 Levels

See Reverse ☐

INSPECTION RESULTS (BP-9)

INSPECTION ACTION CODES (Circle one):

FA = Accept Plan - Field
FR = Accept Plan with Deficiency Letter
CP = BP not approved, O.K. to invoice
DA = Accept Plan - Desk Review
DR = Accept Plan Desk Review with Deficiency Letter
PA = Post Review Approved
FX = No Business Plan Required (Check Box Below)
FO = Out of Business - Field Insp.
DO = Out of Business - Desk Review

BUSINESS NO.: **BUSINESS NAME:**

Review/~~Inspection~~ Date: 2-19-91 340-C No.: 340-C Issue Date:

INSPECTION JOURNAL (Include Name of Person You Met With and Date):

- MADE PHONE CALL TO ASK INFORMATION THAT WILL LEAD TO THE BILLING OF THIS BUSINESS.
- NO INSPECTION WAS MADE AND APPROVAL IS GIVEN

See Reverse ☐

☐ No Invoice Required - PQ No. of Employees Sq. Footage Correction

If Inspection Action is "FX", Check One:

☐ Exemption (Explain)
☐ Hazmat Reduced to 801 level
☐ Retail Sales
☐ (A) Bus. No longer contains Hazmat (Inactive)

If Inspection Action is "FO" or "DO", Check One:

☐ (B) Out of business
☐ (C) Business Moved to Another Location
☐ (D) Business Ownership Change
☐ (I) Other (Explain in Inspection Journal)

Data Entry Name: Data Entry Date: 4/01/91

LAFD #: 011265-001-3

SHORT-FORM BUSINESS PLAN INDEX
BP-4

PAGE 4
PAGE 4 OF 5

WHO MAY COMPLETE A SHORT-FORM BUSINESS PLAN?

Only a business fitting all the descriptions below may use the short-form business plan. All others must complete a Standard Business Plan Index (BP-5).

1. A business with less than 40,000 square feet (including building size and outside hazardous materials and hazardous waste areas).

2. A business occupying less than four stories.

3. A business that is not required to have a Division 4 Fire Permit for Hazardous Materials from the Los Angeles City Fire Department (as per Section 57.04.03 of the Los Angeles City Fire Code).

This form is to be used as a checklist for elements required to be WRITTEN INTO a Short From Business Plan. All elements must be submitted in the following order.

SHORT FORM BUSINESS PLAN REQUIRED ELEMENTS	ELEMENT ATTACHED AND COMPLETE - (BUSINESS TO INITIAL AND DATE)	PAGE No.	REVIEW FOR ADEQUACY OFFICIAL USE ONLY (INITIAL AND DATE)
1. BP-1 (BUSINESS INFORMATION).....	BK FOR RECEIPT [illegible]	1	
2. BP-2 (BUSINESS PLAN HAZARDOUS MATERIALS INVENTORY).	BK FOR RECEIPT [illegible]	2	
3. BP-3 (BUSINESS PLAN HAZARDOUS WASTE INVENTORY).....	BK FOR RECEIPT [illegible]	3	
4. BP-4 (SHORT FORM BUSINESS PLAN INDEX).....	BK [illegible]	4	

IF YOUR BUSINESS QUALIFIES TO USE THE SHORT FORM BUSINESS PLAN:

Carefully complete this entire form. Type or print neatly using dark ink that will reproduce on a copy machine. Attach extra sheets as needed to answer the questions in the detail needed to describe the hazards at your business.

NOTIFICATION PROCEDURES - in the event of reportable hazardous materials or waste release or threatened release:

1. Will the State Office of Emergency Services, OES, (telephone number 1-800-852-7550 or 1-916-427-4341) immediately be notified? Check one: ✓ yes ___ no.

2. Will local emergency response personnel immediately be notified by dialing 911? Check one: ✓ yes ___ no. If business has an additional emergency response notification system, explain here.

7. PREVENTION – Describe what action your business will take to prevent a hazardous materials or waste release from occurring.

STORE MATERIAL IN A COOL, DRY, VENTLATED AREA. KEEP CONTAINERS CLOSED. NO SMOKING OR SPARKS IN PRESENCE OF VAPORS. CONTINUALLY EDUCATE EMPLOYEES.

8. ABATEMENT (STOP THE HAZARD): Describe what actions your business will take to stop any hazard caused by the release of a hazardous material or waste.

(SEE QUESTION 6)

EMPLOYEE TRAINING

9. Describe the training new employees who work with hazardous materials or waste receive on safe handling.

PERSONAL COMUNICATION ABOUT THE AFOREMENTIONED ITEMS.

10. Describe the refresher training employees who work with hazardous materials or waste receive on safe handling.

(SEE QUESTION 9)

EMPLOYEE TRAINING

11. Describe how new employees are trained who are responsible for coordinating with local emergency response organizations.

NEW EMPLOYEES ARE INSTRUCTED ~~AND EXPLAINED~~ WHO TO ~~CA~~ NOTIFY & HOW. BECAUSE OF OUR SMALL SIZE WE DO NOT EXPECT MANY NEW EMPLOYEES IN THIS CAPACITY.

APPLICATION FOR CERTIFICATE OF DISCLOSURE OF HAZARDOUS SUBSTANCES

011265-001-3 011265-001-3 DEC 31 1986

PART A 3

FILL OUT AND RETURN PAGE 2, 3, 5 & 6 WITH PAYMENT

INSTRUCTIONS: COMPLETE ALL ITEMS BELOW. ALL SIGNATURES MUST BE INCLUDED. RETURN BOTH COPIES OF PART A, AND PARTS B AND C. TYPE OR PRINT NEATLY.

BUSINESS TAX # 126413-57 POLICE/FIRE PERMIT # _____ BUSINESS'S STANDARD INDUSTRIAL CLASSIFICATION, SIC CODE 001550-8

FOR OFFICE USE ONLY	FD	CLASS	MC	PC	PERIOD	AMOUNT	PT. DT.	LAFD 902 CODE
	F	810	P	21	A87	$75.00	12-15-86	

011265-001-3

LEGAL NAME OF BUSINESS: (DO NOT ENTER FICTITIOUS NAME OR DBA) Berkot Mfg. Co., Inc. PHONE (818) 767-5555

LOCATION WHERE HAZARDOUS MATERIALS OR WASTE ARE HANDLED OR STORED: ADDRESS 11285 Goss St. (STREET NO. / FULL STREET NAME) UNIT # _____

CITY Sun Valley STATE CA ZIP 91352 UNIT TYPE _____

BUILDING NAMES _____
LIST THE NAMES OR NUMBERS OF ALL BUILDINGS AT THIS STREET ADDRESS WITH HAZARDOUS MATERIALS OR WASTE.

DOING BUSINESS AS (DBA) _____
ENTER FICTITIOUS NAME HERE, IF APPLICABLE

IN CARE OF [illegible] Mfg. Co., Inc. BUSINESS MAILING ADDRESS [illegible] P.O. Box 219 Sun Valley CA [illegible]
P.O. BOX, STREET # AND NAME STATE ZIP

NAME OF BUSINESS OWNER Bryant Lund PHONE _____

NAME OF ON SITE MANAGER Bryant Lund PHONE _____

PRIMARY EMERGENCY CONTACT Bryant Lund EMERGENCY PHONE _____

ALTERNATE EMERGENCY CONTACT Terry Hamblin EMERGENCY PHONE _____

NAME OF PROPERTY OWNER [illegible] MAILING ADDRESS [illegible]

CITY Cedar Grove STATE NC ZIP 27709 PHONE # _____

BRIEFLY DESCRIBE THE NATURE OF YOUR BUSINESS (USE ADDITIONAL SHEET IF NECESSARY) Manufacture and distribute material handling [illegible]

PERMIT INFORMATION:

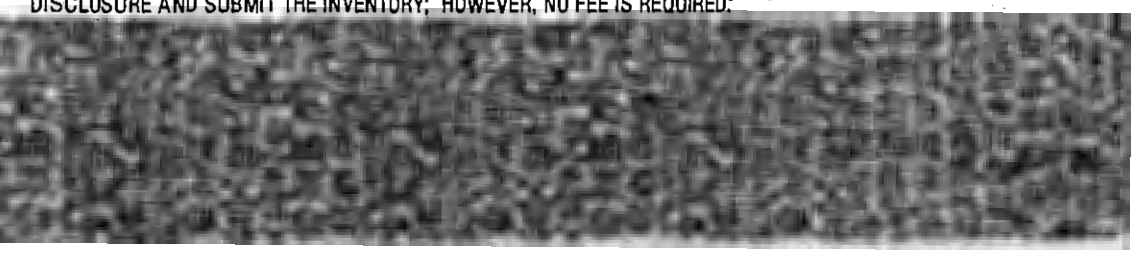
REVIEW THE LIST OF AGENCY NAMES. IF YOUR BUSINESS HAS A PERMIT ISSUED BY ANY OF THEM FOR HAZARDOUS SUBSTANCES OR WASTE, GIVE THE PERMIT NUMBER.

APPROVED CERTIFICATE

BP 424

		PERMIT NUMBER
A	L.A. FIRE DEPT. (FIRE PERMIT)	
B	L.A. BUREAU OF SANITATION (INDUSTRIAL WASTE)	
C	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	
D	STATE HEALTH SERVICES (RADIOACTIVE MAT'L LICENSE)	
E	L.A. COUNTY HEALTH DEPT. (GENERATORS HAZARDOUS WASTE)	
F	E.P.A. IDENTIFICATION NO. (GENERATORS HAZARDOUS WASTE)	
G	E.P.A. IDENTIFICATION NO. (HAZARDOUS WASTE HAULER)	
H	E.P.A. IDENTIFICATION NO. (HAZARDOUS WASTE FACILITY - TSD)	
I	REGIONAL WATER QUALITY CONTROL BOARD	
J	OTHER AGENCY, SPECIFY NAME _____	

FEE EXEMPTION: IF YOUR ESTABLISHMENT IS A GOVERNMENT AGENCY, CHECK HERE _____ GOVERNMENT AGENCIES MUST FILE AN APPLICATION FOR DISCLOSURE AND SUBMIT THE INVENTORY; HOWEVER, NO FEE IS REQUIRED.



REMIT TO:
CITY OF LOS ANGELES
ELIAS MARTINEZ, CITY CLERK
TAX AND PERMIT DIVISION
P.O. BOX 30626
LOS ANGELES, CA. 90030-0626

SIGNATURES: Read paragraphs A & B below. All signatures must be included.
PLEASE NOTE: IT IS UNLAWFUL FOR ANY PERSON TO KNOWINGLY VIOLATE ANY PROVISION OF THIS ORDINANCE.

I CERTIFY UNDER PENALTY OF PERJURY, THAT THE ABOVE INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

A) I AGREE TO COMPLY WITH ALL REGULATIONS, LAWS AND ORDINANCES PERTAINING TO OR REGULATING THE ABOVE BUSINESS THAT ARE NOW IN EFFECT OR THAT MAY BE HEREAFTER ADOPTED.

B) IF THE CITY DETERMINES THAT NO CERTIFICATE AND/OR FEE IS REQUIRED, I AUTHORIZE THE CITY CLERK TO REFUND THE TOTAL PAYMENT. I UNDERSTAND THAT NO REFUND CAN BE MADE WITHOUT THE SIGNATURE.

Bryant Lund Pres. 12-15-86
SIGNATURE OF BUSINESS OWNER OR AUTHORIZED REPRESENTATIVE TITLE DATE

Bryant Lund Pres. 12-15-86
SIGNATURE OF ON-SITE MANAGER TITLE DATE

Bryant Lund Pres. 12-15-86
SIGNATURE OF BUSINESS OWNER OR AUTHORIZED REPRESENTATIVE TITLE DATE

OFFICE USE ONLY ➡ MASTER CODE [illegible] DATE 8/29/87 09-16 AB LAFD SIGNATURE James S Dolan DATE 6-17-87

CEE JAY MACHINE

8524 Tujunga Avenue

ENTER FILE NO. FROM LETTER AB104.0277

88 JUL 20 AM 1:03

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

CHEMICAL STORAGE AND USE QUESTIONNAIRE

I. COMPANY NAME: CEE JAY MACHINE

II. FACILITY ADDRESS: 8407 Tujunga, Sun Valley CA 91352 (mailing address only)

III. FACILITY INFORMATION

A. STANDARD INDUSTRIAL CLASSIFICATION CODE(SIC): _____

B. GENERATOR NUMBER(EPA/STATE): _____

C. BRIEF DESCRIPTION OF OPERATIONS: no longer in operation
Machine shop closed in Sept. 1984

D. SEWER SYSTEM: INDUSTRIAL _____ MUNICIPAL x

SEPTIC TANK _____ CESS POOL _____

* WAS A DIFFERENT SEWER SYSTEM USED IN THE PAST? x YES _____ NO

IF YES SPECIFY TYPE septic DATE CONVERTED 1986

E. FACILITY OWNER Joe Gaide

F. HISTORY: DATE OPERATIONS BEGAN: 1957

PRIOR OWNERS: Hummingbird Trailers

IV. CHEMICAL STORAGE AND USE AT THE SITE. Complete sections A-G(page 2) for all chemicals in current use or that have been used in the past, use additional sheets if necessary.

Business is no longer in operation

A. CHEMICAL NAME:_____ B. COMMON/TRADE NAME:solvent/oil mix

C. METHOD OF STORAGE: UNDERGROUND TANK___ ABOVE GROUND TANK___
BARRELS x OTHER(specify)_____

D. QUANTITY STORED: 30 gals

E. WASTE DISPOSAL METHOD: SEWERED___ HAULED___ ONSITE DISPOSAL___
Applied to metal and shipped out to platers

F. IS THE WASTE TREATED PRIOR TO DISPOSAL: YES___ NO___ N/A
If yes, method of treatment:_____

G. IS THE WASTE STORED PRIOR TO DISPOSAL: YES___ NO___ N/A

A. CHEMICAL NAME:_____ B. COMMON/TRADE NAME:_____

C. METHOD OF STORAGE: UNDERGROUND TANK___ ABOVE GROUND TANK___
BARRELS___ OTHER(specify)_____

D. QUANTITY STORED:_____

E. WASTE DISPOSAL METHOD: SEWERED___ HAULED___ ONSITE DISPOSAL___

F. IS THE WASTE TREATED PRIOR TO DISPOSAL: YES___ NO___
If yes, method of treatment:_____

G. IS THE WASTE STORED PRIOR TO DISPOSAL: YES___ NO___

A. CHEMICAL NAME:_____ B. COMMON/TRADE NAME:_____

C. METHOD OF STORAGE: UNDERGROUND TANK___ ABOVE GROUND TANK___
BARRELS___ OTHER(specify)_____

D. QUANTITY STORED:_____

E. WASTE DISPOSAL METHOD: SEWERED___ HAULED___ ONSITE DISPOSAL___

F. IS THE WASTE TREATED PRIOR TO DISPOSAL: YES___ NO___
If yes, method of treatment:_____

G. IS THE WASTE STORED PRIOR TO DISPOSAL: YES___ NO___

V. THIS QUESTIONNAIRE SHALL BE SIGNED BELOW AS FOLLOWS:

A. In the case of corporations, by a principal executive officer at the level of vice-president or his duly authorized representative if such representative is responsible for the overall operation of the facility, or

B. In the case of a partnership, by a general partner, or

C. In the case of a sole proprietorship, by the proprietor, or

D. In the case of a municipal, State, or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

This questionnaire has been completed under penalty of perjury and, to the best of my knowledge, is true and correct.

Signature: _____ Date: _____

Printed Name: Nelson Ross Boylan

Title: Attorney for Owner Phone: (818) 846-4590

Contact Name: _____

Title: _____ Phone: _____

DIXON HARD CHROME, INC

11645 Pendelton Street

DIXON HARD CHROME, INC.

MANIFEST LOG YEAR 1999

	MANIFEST NUMBER	DATE SHIPPED / COPY RETURNED	MATERIAL	WT./ VOL.	DISCREPANCY
(40)	99373837	12-10-99 United Pumping Service, Inc CAD072953771 DK Environmental Services CAT080033581	R.Q. Waste Corrosive Liquid N.O.S. (Hydrochloric Acid, Nitric Acid), UN1760	1 roll	
(41)	99380551	12-16-99 Martin Env. Services CAD000628636 US Filter Recovery Services CAD097030993	R.Q, Waste Cyanide Solutions, N.O.S. (Copper Cyanide) 6.1 UN 1935 II 711/ F009	600 gallons	
(42)	99284782	12-16-99 Martin Env. Services CAD000628636 Pacific Resource Recovery CAD008252405	R.Q Waste Tetrachloromethylene 6.1, UN 1897, III (F001) 741/ F001	85 gallons	
(43)	99284783	12-16-99 Martin Env. Services CAD000628636 DK Environmental CAT080033681	R.Q Hazardous Waste Solid, N.O.S. (F006) 9 NA 3077, III 171, F006	2 Yard	

DIXON HARD CHROME, INC.

MANIFEST LOG YEAR 1999

	MANIFEST NUMBER	DATE SHIPPED	COPY RETURNED	MATERIAL	WT. / VOL.	DISCREPANC
35	99136204	9-10-99 United Pumping Service, Inc CAD072953771 DK Environmental Services CAT080033681		R.Q Waste Corrosive Liquid N.O.S. (Hydrochloric Acid, Nitric Acid), 8, UN 1760 792 / D002 D006 / D007 / D008		500 gallon
36	99586032	9-10-99 Ecology Control Ind CAD982030173 US Filter Recovery Services (CA) Inc CAD097030993		R.Q Waste Corrosive Liquid Toxic, N.O.S. (Cyanide, Chromium) 8, UN2922, PGI RQ=10 711, 726, 121 F006		1650 gallon
37	99134629	9-29-99 United Pumping Service, Inc CAD072953771 DK Environmental Services ~~3650 East 26th Street~~ AK		R.Q Waste Corrosive Liq. N.O.S. (Hydrochloric Acid, Nitric Acid) 8, UN 1760 792 / D002		750 gallon
38	99586245	10-8-99 Ecology Control Ind. CAD982030173 US Filter Recovery Services CAD 097030993		R.Q. Waste Corrosive Liquids, Toxic, N.O.S. (Cyanide, Chromium) 8, UN 2922, PGI (RQ=10) EPA: (F009, D002, D003 D006, D007) 711, 726, 121		600 gallons
39	99137092	10-12-99 United Pumping Service, Inc CAD072953771 DK Environmental Services CAT080033681		R.Q, Waste Corrosive Liquid, N.O.S. (Chromic Acid) 8, UN 1760 PGII 792 / D002 / D007 / D008		2300 gallon

DIXON HARD CHROME, INC.

MANIFEST LOG YEAR 1999

	MANIFEST NUMBER	DATE SHIPPED	COPY RETURNED	MATERIAL	WT./ VOL.	DISCREPANC
(40)	99284556	10/27/99 Martin Env Servces DK Envir.	R.Q. Hazardous Waste, Solid, N.O.S. (F006) 9, NA 3077, III Metal Hydroxide Sldg		2 cubic yard	
(41)	99284557	10/27/99 Martin Env. Services Pacific Resource Recovery	(1) R.Q. Waste Tetrachloroethylene 6.1, UN 1897, III (F001) F001 / 741 (2) R.Q. Waste Petroleum Distillates N.O.S. (Naptha), 3, UN 1268, II 213 D001		55 gallon 55 gallon	
(42)	99380417	11/3/99 Martin Env. Services U.S. Filter Recovery Service	R.Q Hazardous Waste Liquid, N.O.S. (Chromium) 9, NA 3082, III D007 / 723 Chrome Strip		1700 Gall	
(43)	99134086	11/9/99 United Pumping Service DK Enviro.	R.Q. Hazardous Waste Lq. N.O.S (Cadmium, Chromium), 9, NA 3082 PG III 723, 726 D006, D007		1300 Gallon	

DIXON HARD CHROME, INC.

MANIFEST LOG YEAR 1999

	MANIFEST NUMBER	DATE SHIPPED / COPY RETURNED	MATERIAL	WT. / VOL.	DISCREPAN
(30)	99278944	6-13-99 Martin Env. Service CAD000628636 U.S. Filter Recovery Service CAD097030993	R.Q. Hazardous Waste, Liquid N.O.S. (Chromium), 9, NA 3082, III State: 723 EPA: D007 Chrome Strip	1000 gallon	
(31)	99284401	9-8-99 Martin Env Services DK Environmental CAT080033661	R.Q Hazardous Waste Solid, NOS (F006), 9 NA 3077, III 171/F006	3 BA(Y)	
(32)	99284404	9-8-99 Martin Env. Services CAD000628636 USFilter Recovery Services CAD097030993	R.Q. Hazardous Waste Liquid, N.O.S. (Chromium) 9, NA 3082, III 723/D007 Ammonium Nitrate	30 Gallon	
(33)	99284402	9-8-99 Martin Env. Services CAD000628636 Phibro-Tech. Inc. CAD008488025	R.Q. Waste Hydrochloric Acid, Sol. 8, UN1789, II 792/D002 30- 55 Gal Hdpe w/metals	8 drum 400 gallon	
(34)	99284403	9-8-99 Martin Env. Service CAD000628636 Pacific Resource Recovery CAD008252405	R.Q. Waste Tetrachloroethylene 6.1, UN 1897, III (F001) 741/D001 Rack waste	1 drum 40 gallo	

DIXON HARD CHROME, INC.

MANIFEST LOG YEAR 1999

MANIFEST NUMBER	DATE SHIPPED	COPY RETURNED	MATERIAL	WT. / VOL.	DISCREPAN
(26) 99284398	7/15/99 Martin Pacific Resources Recovery		R.Q. Waste Tetrachloroethylene 6.1, UN 1897, III (F001) 741/F001	55 G	
(27) 99138139	7/30/99 United Pumping Service U.S. Filter Recovery		R.Q. Waste Cyanide solution, N.O.S. (Copper Cyanide), 6.1, UN 1935, PG II 726, 711/F009	575 G	
(28) 99138135	8/2/99 United Pumping Service DK Environmental Service		R.Q Waste Corrosive Liq, N.O.S. (HCl X HNO3) UN 1760 792/D002 Acid Waste	1000 gallon	
(29) 99278943	8/11/99 Martin Env. Services US Filter Recovery Services		R.Q. Hazardous Waste Liquid, N.O.S. (Chromium, Cadmium) 8, WA 3082, III 723/D007	500 gallons	

DIXON HARD CHROME, INC

MANIFEST LOG YEAR 1999

	MANIFEST NUMBER	DATE SHIPPED	COPY RETURNED	MATERIAL	WT./VOL.	DISCREPANCY
(6)	98574684	3-12-99 U.S. Filter Recovery CAD097030993 Martin Env. Services CAD000628636	4-12-99	R.Q. Waste Cyanide Solutions, N.O.S (Copper Cyanide) 6.1 UN 1935 II (711, F009)		~~275 Gallon~~ 411 Gallons
(7)	98574685	3-15-99 US Filter Recovery ~~CAD000628636~~ CAD097030993 Martin Env. Services CAD000628636	4-12-99	R.Q. Hazardous Waste Liquid, N.O.S. (Chromium) 9, NA3082 III (723, D007) Chrome Strip Appl # E1216700028CR		1200 Gallons
(8)	99287201	3-16-99 U.S. Filter Recovery Services CAD097030993 Martin Env. Services CAD00628636	4-12-99	(1) RQ Haz. Waste Liq. N.O.S. (Cadmium, lead) 9, NA3082 III 722, D006 (Amm Nitrate) (2) R.Q. Waste Hydrochloric Acid Solution 8, UN1789, II 792, D002 (Hcl) (3) RQ, Haz. Waste Liq. N.O.S. (Chromium) 9, NA 3082, III 726, D007 (Nickel Sulfamate)		40 G 500 G 30 G
(9)	99287314	4-9-99 U.S. Filter Recovery Services CAD097030993 Martin Env. Services CAD000628636		R.Q. Waste Hydrochloric Acid Sol. 8, UN1789, II 792/D002 App. # E1216700023AC	9 drums	495 Gallons
(10)	99287313	4-9-99 Pacific Resource Recovery CAD008252405 Martin Env. Service CAD000628636		(1) RQ, Waste, Tetrachloroethylene 6.1, UN 1897, III (F001) 741/F001 (2) RQ Waste 1,1,1 Trichloroethane 6.1, UN2831 III (F001) 741/F001		110 G 55 G

DIXON HARD CHROME, INC.

MANIFEST LOG YEAR 1999

	MANIFEST NUMBER	DATE SHIPPED	COPY RETURNED	MATERIAL	WT./VOL.	DISCREPANC
1	98035228	1-6-99 United Pumping Service US Filters	2-3-99	RQ Waste Corrosive Liq. N.O.S. (HCl & HNO_3), 8, UN 1760, PGI 792/D002		1450 G
2	98541254	2-4-99 Ecology Control Ind. US Filter Recovery Services	3-4-99	R.Q. Waste Corrosive Liq. Toxic, N.O.S. (Cyanide/Chromium) 8, UN 2922, PGI (RQ=10) State 711, 726, 121 EPA F009, D002, D003, D006, D007)		~~550 Gal~~ 422 Gal
3	~~987~~ 98574491	2-11-99 U.S. Filter Recovery Services Martin Env. Services	3-16-99	RQ Waste Corrosive Liq. Acidic, Inoganic, N.O.S. (Chromic Acid) 8, UN3264, III State: 792, 722, 723, 724, 726, 792 EPA: D002, D006, D007, D008 App# E1216700027CR		1100 Gal
4	98574476	2-12-99 CAD008252405 Pacific Resources Recovery Martin Env. Services CAD000628636	3-1-99	1 RQ Waste, Tetrachloroethylene 6.1, UN1897, III (F001, 741) 2 R.Q., Waste 1,1,1-Trichloroethane 6.1, UN2831, III (F001) 741 3 RQ Waste Petroleum Distillates, N.O.S. (Naptha) 3, UN1268, II (D001) 213		50 G 90 G 25 G
5	98574494	2-12-99 US Filter Recovery Services CAD 097030493 Martin Env. Services CAD000628636	3-16-99	1 R.Q. Haz. Waste, Liquid, N.O.S. (Cadmium, Chromium), 9, NA3082, III 723, D007 EN. App# E1216700005KN 2 R.Q. Waste Hydrochloric Acid, Sol. 8, UN 1789, II 792, D002 HCl App# E1216700002AC 3 R.Q. Hazardous Waste Liquid, N.O.S. (Chromium), 9, NA3082, III Nickel Sulfamate App# E1216700025KN		215 G 200 G 70 G

PHL#	437787	**INDUSTRY SURVEY**	Los Angeles County Fire Department • Prevention Bureau Health Hazardous Materials Division	LACoFD HHMD • 01
Code	101	SIC# 3471	EPA# CAD008392722	☐Pending ☐NA

DBA DIXON HARD CHOME	Phone 818-767-9650
Owner DIXON, RON	Interviewed Falk, Arthur
Partner	Title chemist
Address number 11645 dir PENDELTON street name ST type	Product/Service Chrome plating
unit # City SNV Zip 91352	
Mailing Same	Start Date 1961 # of employees 38
	# of shifts Operating hours

Viol Rank	CA Waste Code	1 711	2 171	3 221	4 211
☐HWUT	Amt (PGT) Pounds, Gallons, Tons per quarter	1000G	2 TONS	50 G	50 G
☐HRF	Mtl/Qty				

Referrals ☐AQMD ☐B&S ☐Fire ☐IW ☐OSHA ☐SDHS ☐ _____

Viol 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 99

Visit Date	Start Time	Insp	Action	Time Invested	Special Circumstances
06/09/95	10:30	032	I/CA	2:40	
09/06/95	12:15	32	R/A	:45	
/ /	:			:	
/ /	:			:	

Signature(s) David Baltazar

Action codes: A-Abate C-Complaint E-Enforce H-Hearing I-Insp M-site Mtl N-NOV O-no viol P-PHL Inv R-Revisit S-Samples T-Time ext X-other Z-non-gen

This Company does chrome plating for aerospace industry also.

Types of plating Cd, Cu, Ni

chrome Plating

4/18/95

Waste Van Water & Rogers Manufact No 93209089 110 gal

1,1 TCE

6 chrome tanks

Cleaning

Rinse

Waste water TX Unit

DI water system

Caustic

Scrubber

chrome plating

Rinse

Cd, Cu, N

Plating

Cleaning

Rinse

SUPPLEMENTAL INFORMATION – PHASE I ENVIRONMENTAL CHECK LIST

FACILITY: LMDD ENTERPRISES, INC., dba DIXON HARD CHROME
ADDRESS: 11645 Pendleton Street, Sun Valley, CA 91352
EPA ID: CAD008392722

Question #1

A soil gas survey was requested by the Los Angeles Regional Water Quality Control Board in 1993. The survey was requested during the NPL groundwater investigation of companies in the San Fernando Valley that used halogenated solvents in the manufacturing processes.

SEE ATTACHED REPORT

The Soil Gas Survey did not indicate any subsurface contamination from the facility. Since 1993 the facility has not used any halogenated solvents. All surface preparation and cleaning now uses an approved aqueous cleaning system.

Question #18

An above ground storage tank, 300 gallons, was used to store bulk perchloroethylene within a secondary containment area. The facility discontinued the use of perchloroethylene and removed the tank subsequent to the soil gas survey investigation.

Question #19

A Proposition 65 issue was filed by Mr. Freund in 1999 – 2000 and resulted in the installation of two new CMP/HEPA air pollution control systems for the chrome plating tanks. An out of court settlement was reached with the Freund group with the installation of the units. This was prior to the current owner, LMDD ENTERPRISES, INC.

A settlement agreement with SCAQMD was made in 2005 for an alleged violation of equipment breakdown and a failure to report the incident.

There have been no other settlements or violations against the current owner/operator.

STATE OF CALIFORNIA — PETE WILSON, GOVERNOR

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
101 CENTRE PLAZA DRIVE
MONTEREY PARK, CA 91754-2156
(213) 266-7500

December 16, 1992

Mr. Ronald Dixon
Dixon Hard Chrome, Incorporated
11645 Pendleton Street
Sun Valley, Ca. 91352

WELL INVESTIGATION PROGRAM - INITIAL SUBSURFACE SOILS INVESTIGATION WORKPLAN (FILE NO. 111.0365)

We have reviewed and evaluated your Workplan dated October 28, 1992, prepared by Environmental Compliance Management, Incorporated and have no objections to it's implementation provided that all work is completed as specified in your proposal, and complies with the requirements outlined in the "Workplan Requirements for Initial Subsurface Engineering/Geologic Soil Investigation", with the additional requirements listed below:

1. Soil samples at the influent and effluent sides of the clarifier are to be obtained at midpoint, the base of the clarifier, 5 and 10 feet below land surface.

2. A minimum of three (3) multiple attempts are required for soil test borings to be completed by hand augering techniques, if the required depths are not achieved.

3. Discrete and undisturbed soil samples must be obtained with a minimum of 2 inch in diameter and 3 inch in length sampling rings.

4. The final locations of the soil test borings will be verified on-site when the drilling commences.

5. Prior to commencing any field activities, the Registered/Certified individual who is directly overseeing field activities and who is required to sign the final report for this project must submit in writing to this Regional Board the level of their involvement with this project, the duration of direct on-site field supervision of the drilling, sampling, and logging activities.

6. Soil samples obtained for laboratory analyses must be transported to the State Certified Laboratory within 24 hours after the collection of samples. Soil samples for volatile organic analysis should be analyzed within 7 days. At a minimum, EPA sample holding times, and conditions must be observed.

Department of Toxic Substances Control

Linda S. Adams
Secretary for
Environmental Protection

Maziar Movassaghi, Acting Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Arnold Schwarzenegger
Governor

Facility Search Results

Search Criteria:

Street: 11645 PENDLETON

Sorted By: EPAID.NAME

ID's Listed: 1

Address used in the search and displayed below is the Physical Address.

ID Number	Name	Address	Citv	Zip
CAD008392722	DIXON HARD CHROME	11645 PENDLETON ST	SUN VALLEY	913520000

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

State of California—Health and Welfare Agency
HAZARDOUS WASTE MANAGEMENT BRANCH
714-744 P Street
Sacramento, CA 95814

UNIFORM HAZARDOUS WASTE MANIFEST

Department of Health Services

JUN 14 1983

Please print or type with ELITE type (12 characters per inch).

STATE ID NUMBER 83160524

TO BE FILLED IN BY GENERATOR

GENERATOR NAME AND MAILING ADDRESS
DIXON HARD CHROME
11645 PENDLETON AVE
SUN VALLEY, CA.
AREA CODE/PHONE NUMBER (213) 767-9650

MANIFEST DOCUMENT NUMBER
EPA ID NUMBER
CAD008392727

TRANSPORTER NO. 1
MARTIN INDUSTRIAL PUMPING SERVICE

VEH./CONTAINER NO.
1969

EPA ID NUMBER
CAD000628636

TRANSPORTER NO. 2/ALTERNATE TSD FACILITY

V.EH./CONTAINER NO.

EPA ID NUMBER

TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY
BKK CORP
2210 AZUSA AVE, WEST COVINA, CA
AREA CODE/PHONE NUMBER (213) 965-0916

EPA ID NUMBER
CAD067786749

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASS	UN/NA NUMBER	TOTAL QUANTITY	UNIT WT/VOL	CONTAINER NO.	CONTAINER TYPE	WASTE CAT. NO.	DISP. METH.
HAZARDOUS WASTE N.O.S ORM-E	UN9189	1000	G	01	CT	121	

COMPONENTS	CONC. RANGE UPPER	CONC. RANGE LOWER	UNITS %	UNITS PPM
CHROME	.04		X	
CAUSTIC	1.0		X	
NICKEL	.05		X	
PH-8				

SPECIAL HANDLING INSTRUCTIONS
GLOVES, GOGGLES

This is to certify that the above-named wastes are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable requirements of the Department of Transportation and the EPA.

Charles B. JONES
Printed or typed full name and signature Charles B. Jones

MO. 6 DAY 6 YR. 83

☐ Check if continuation sheet is used. Number of continuation sheets

TO BE FILLED IN BY TRANSPORTER

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE WASTES
TOM MARTIN
Printed or typed full name and signature Tom Martin

DATE REC'D & ACCEPTED MO. 06 DAY 06 YR.

TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE WASTES
Printed or typed full name and signature

DATE REC'D & ACCEPTED MO. DAY YR.

TO BE FILLED IN BY TSDF

DISCREPANCY INDICATION SPACE

Facility owner or operator: Certification of receipt of hazardous waste covered by this manifest except as noted in the discrepancy indication space above. Note: TSDF must complete waste number. See instructions.

EPA ID NUMBER

DATE RECEIVED & ACCEPTED MO. DAY YR.

Printed or typed full name and signature

FORM NO. DHS-8022A 11/82

GENERATOR SENDS THIS COPY TO DOHS WITHIN 15 DAYS

State of California—Health and Welfare Agency
HAZARDOUS WASTE MANAGEMENT BRANCH
714-744 P Street
Sacramento, CA 95814

UNIFORM HAZARDOUS WASTE MANIFEST

Department of Health Services

Please print or type with ELITE type (12 characters per inch).

STATE ID NUMBER 83160539

TO BE FILLED IN BY GENERATOR

GENERATOR NAME AND MAILING ADDRESS
DIXON HARD CHROME
11645 PENDLETON SUN VALLEY
AREA CODE/PHONE NUMBER 213-767-9650

MANIFEST DOCUMENT NUMBER
EPA ID NUMBER
CAA908139727212

TRANSPORTER NO. 1
MARTIN INDUSTRIAL PUMPING
VEH./CONTAINER NO. 42161
EPA ID NUMBER CAD010101572

TRANSPORTER NO. 2/ALTERNATE TSD FACILITY
VEH./CONTAINER NO
EPA ID NUMBER

TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY
EPC WESTSIDE
HWY 33 FELLOWS · CA
AREA CODE/PHONE NUMBER 805-768-4806
EPA ID NUMBER CAT080010283

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASS	UN/NA NUMBER	TOTAL QUANTITY	UNIT WT/VOL	CONTAINER NO	CONTAINER TYPE	WASTE CAT. NO.	DISP. METH.
HAZARDOUS LIQUID · ORM-E	9189	5010	GAL	001	CT	1312	OA

COMPONENTS	CONC. RANGE UPPER	CONC. RANGE LOWER	UNITS %	UNITS PPM
CHROME	.08			X
NICKEL	2.4			X
LEAD	.04			X
ZINC	2.6			X

SPECIAL HANDLING INSTRUCTIONS

This is to certify that the above-named wastes are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable requirements of the Department of Transportation and the EPA.
Charles B. Jones
Printed or typed full name and signature
MO. 3 DAY 19 YR. 84

☐ Check if continuation sheet is used. Number of continuation sheets

TO BE FILLED IN BY TRANSPORTER

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE WASTES
MIKE REINA
Printed or typed full name and signature
DATE REC'D & ACCEPTED MO. 03 DAY 19 YR. 84

TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE WASTES
Printed or typed full name and signature
DATE REC'D & ACCEPTED MO. DAY YR.

TO BE FILLED IN BY TSDF

DISCREPANCY INDICATION SPACE

Facility owner or operator: Certification of receipt of hazardous waste covered by this manifest except as noted in the discrepancy indication space above. Note: TSDF must complete waste number. See instructions.
EVELYN SKAGGS
Printed or typed full name and signature
EPA ID NUMBER CAT080010283
DATE RECEIVED & ACCEPTED MO. 03 DAY 21 YR. 84

FORM NO. DHS-8022A 11/82

TSDF SENDS THIS COPY TO DOHS WITHIN 15 DAYS EPC#61063 H

State of California—Health and Welfare Agency
HAZARDOUS WASTE MANAGEMENT BRANCH
714-744 P Street
Sacramento, CA 95814

Department of Health Services

UNIFORM HAZARDOUS WASTE MANIFEST

Please print or type with ELITE type (12 characters per inch).

STATE ID NUMBER 83160607

TO BE FILLED IN BY GENERATOR

GENERATOR NAME AND MAILING ADDRESS
DIXON HARDCHROME
11645 PENDLETON
SUN VALLEY
AREA CODE/PHONE NUMBER 213 767-9650

MANIFEST DOCUMENT NUMBER
EPA ID NUMBER
CAD 009 898 722

TRANSPORTER NO. 1
MARTIN INDUSTRIAL PUMPING

VEH./CONTAINER NO
1226
EPA ID NUMBER
CAD 000 621 479

TRANSPORTER NO. 2/ALTERNATE TSD FACILITY

V.EH./CONTAINER NO.
EPA ID NUMBER

TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY
BKK CORP
2210 S. AZUSA WEST COVINA
AREA CODE/PHONE NUMBER 213 965-0916

EPA ID NUMBER
CAD 067 786 749

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASS	UN/NA NUMBER	TOTAL QUANTITY	UNIT WT/VOL	CONTAINER NO.	CONTAINER TYPE	WASTE CAT. NO.	DISP. METH.
ORM-E	9189	500	[illegible]	1	07	491	

COMPONENTS	CONC. RANGE UPPER	CONC. RANGE LOWER	UNITS %	UNITS PPM
C. SOME	54%		X	
NICKEL	.05		X	
CAUSTIC	1		X	
WATER	99		X	

SPECIAL HANDLING INSTRUCTIONS

This is to certify that the above-named wastes are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable requirements of the Department of Transportation and the EPA

Printed or typed full name and signature Charles B. Jones [signature]

MO. 9 DAY 3 YR. 13

☐ Check if continuation sheet is used. Number of continuation sheets

TO BE FILLED IN BY TRANSPORTER

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE WASTES
MIKE REINA
Printed or typed full name and signature Mike Reina

DATE REC'D & ACCEPTED MO. DAY YR.

TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE WASTES
Printed or typed full name and signature

DATE REC'D & ACCEPTED MO. DAY YR.

TO BE FILLED IN BY TSDF

DISCREPANCY INDICATION SPACE

Facility owner or operator: Certification of receipt of hazardous waste covered by this manifest except as noted in the discrepancy indication space above. Note: TSDF must complete waste number. See instructions.

EPA ID NUMBER

DATE RECEIVED & ACCEPTED MO. DAY YR

Printed or typed full name and signature

FORM NO. DHS-8022A 11/82

GENERATOR SENDS THIS COPY TO DOHS WITHIN 15 DAYS

State of California—Health and Welfare Agency
HAZARDOUS WASTE MANAGEMENT BRANCH
714-744 P Street
Sacramento, CA 95814

Department of Health Services

UNIFORM HAZARDOUS WASTE MANIFEST

LAX D 38293

Please print or type with ELITE type (12 characters per inch).

STATE ID NUMBER 83585504

TO BE FILLED IN BY GENERATOR

GENERATOR NAME AND MAILING ADDRESS
DIXON HARD CHROME
11645 PENDLETON AVE
SUN VALLEY, CA
AREA CODE/PHONE NUMBER (818) 767-9650

MANIFEST DOCUMENT NUMBER
EPA ID NUMBER
CAD 008 392 722

TRANSPORTER NO 1
MARTIN INDUSTRIAL PUMPING INC.
VEH./CONTAINER NO 45084
EPA ID NUMBER CAD 000 628 636

TRANSPORTER NO 2/ALTERNATE TSD FACILITY
VEH./CONTAINER NO
EPA ID NUMBER

TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY
CHEMICAL WASTE MGT.
P.O. BOX 157 KETTLEMAN HILLS.
AREA CODE/PHONE NUMBER (209) 386-9712
EPA ID NUMBER CAT 000 646 117

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASS	UN/NA NUMBER	TOTAL QUANTITY	UNIT WT/VOL	CONTAINER NO	CONTAINER TYPE	WASTE CAT NO	DISP METH
CYANIDE N.O.S. POISON B	UN 1935	800	G	01	CT	131	

COMPONENTS	CONC. RANGE UPPER	CONC. RANGE LOWER	UNITS %	UNITS PPM
WATER	85		X	
SODIUM CYANIDE	15		X	
CADIUM	3.5			X
COPPER	2.3			X
NICKEL	3.1			X

SPECIAL HANDLING INSTRUCTIONS
GLOVES, GOGGLES, PROTECTIVE CLOTHING

This is to certify that the above-named wastes are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable requirements of the Department of Transportation and the EPA.

Printed or typed full name and signature: Jim Jackson — Jim Jackson

MO. 02 DAY 20 YR 84

☐ Check if continuation sheet is used. Number of continuation sheets

TO BE FILLED IN BY TRANSPORTER

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE WASTES
Printed or typed full name and signature: Tom Martin — Tom Martin
DATE REC'D & ACCEPTED MO. 02 DAY 20 YR 84

TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE WASTES
Printed or typed full name and signature
DATE REC'D & ACCEPTED MO. DAY YR

TO BE FILLED IN BY TSDF

DISCREPANCY INDICATION SPACE

Facility owner or operator: Certification of receipt of hazardous waste covered by this manifest except as noted in the discrepancy indication space above. Note: TSDF must complete waste number. See instructions.

EPA ID NUMBER
DATE RECEIVED & ACCEPTED MO. DAY YR

Printed or typed full name and signature

FORM NO DHS-8022A 11/82

GENERATOR SENDS THIS COPY TO DOHS WITHIN 15 DAYS

83-87967

State of California—Health and Welfare Agency
HAZARDOUS WASTE MANAGEMENT BRANCH
714-744 P Street
Sacramento CA 95814

Department of Health Services

UNIFORM HAZARDOUS WASTE MANIFEST

Please print or type with ELITE type (12 characters per inch)

STATE ID NUMBER 83585505

TO BE FILLED IN BY GENERATOR

GENERATOR NAME AND MAILING ADDRESS
DIXON HARD CHROME
11645 PENDLETON
SUN VALLEY
AREA CODE/PHONE NUMBER (818) 767-9650

MANIFEST DOCUMENT NUMBER
EPA ID NUMBER
CAD010839272 12

TRANSPORTER NO 1
MARTIN INDUSTRIAL PLUMBING INC.
VEH/CONTAINER NO 45804
EPA ID NUMBER CAD000628636

TRANSPORTER NO 2/ALTERNATE TSD FACILITY
VEH/CONTAINER NO
EPA ID NUMBER

TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY
EPC WESTSIDE
HI WAY 33, FELLOWS, CA
AREA CODE/PHONE NUMBER (805) 768-4806
EPA ID NUMBER CAT080010102 83

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASS	UN/NA NUMBER	TOTAL QUANTITY	UNIT WT/VOL	CONTAINER NO	CONTAINER TYPE	WASTE CAT NO	DISP METH
HAZARDOUS WASTE N.O.S. ORM-E	NA9189	10000	G	001	CT	2411	04

COMPONENTS	CONC RANGE UPPER	CONC RANGE LOWER	UNITS %	UNITS PPM
WATER	95		X	
CAUSTIC SODA	3		X	
GLYCOL	2		X	

SPECIAL HANDLING INSTRUCTIONS
GLOVES, GOGGLES

This is to certify that the above-named wastes are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable requirements of the Department of Transportation and the EPA

Printed or typed full name and signature BRUCE ROGERS Bruce Rogers 2-17-84 (MO. / DAY / YR)

☐ Check if continuation sheet is used. Number of continuation sheets

TO BE FILLED IN BY TRANSPORTER

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE WASTES
Printed or typed full name and signature TOM MARTIN Tom Martin
DATE REC'D & ACCEPTED MO. 02 DAY 17 YR 84

TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE WASTES
Printed or typed full name and signature
DATE REC'D & ACCEPTED MO. DAY YR

TO BE FILLED IN BY TSDF

DISCREPANCY INDICATION SPACE

Facility owner or operator: Certification of receipt of hazardous waste covered by this manifest except as noted in the discrepancy indication space above. Note: TSDF must complete waste number. See instructions.

Printed or typed full name and signature Sondra Everett Sondra Everett PH 9.0 F-WAS 1000 GAL

EPA ID NUMBER CAT080010283

DATE RECEIVED & ACCEPTED MO. 02 DAY 17 YR 84

FORM NO DHS-8022A 11/82

TSDF SENDS THIS COPY TO DOHS WITHIN 15 DAYS EPC #3760 83-87967 H

88 02 29 T 1 2 1 4 2 8 2

State of California—Health and Welfare Agency
HAZARDOUS WASTE MANAGEMENT BRANCH
714-744 P Street
Sacramento, CA 95814

Department of Health Services

UNIFORM HAZARDOUS WASTE MANIFEST

Please print or type with ELITE type (12 characters per inch).

STATE ID NUMBER 83585543

TO BE FILLED IN BY GENERATOR

GENERATOR NAME AND MAILING ADDRESS
DIXON HARD CHROME
11645 PENDLETON AVE, SUN VALLEY
AREA CODE/PHONE NUMBER (818) 767-9650

MANIFEST DOCUMENT NUMBER
EPA ID NUMBER
CAD008392722

TRANSPORTER NO 1
MARTIN IND. PUMPING INC

VEH/CONTAINER NO. 45084
EPA ID NUMBER CAD000628636

TRANSPORTER NO 2/ALTERNATE TSD FACILITY

V.EH./CONTAINER NO
EPA ID NUMBER

TREATMENT, STORAGE OR DISPOSAL (TSD) FACILITY
EPC WESTSIDE
HIWAY 33, FELLOWS, CA
AREA CODE/PHONE NUMBER (805) 768-4806

EPA ID NUMBER
CAD080010283

PROPER U.S D.O.T. SHIPPING NAME AND HAZARD CLASS	UN/NA NUMBER	TOTAL QUANTITY	UNIT WT/VOL	CONTAINER NO	CONTAINER TYPE	WASTE CAT NO	DISP METH
HAZARDOUS WASTE ORM-E	NA9189	500	G	03	CT	241	04

COMPONENTS	CONC RANGE UPPER	CONC RANGE LOWER	UNITS %	UNITS PPM
CHROME	.08			X
NICKEL	2.40			X
LEAD	.04			X
ZINC PH=8	2.6			X

SPECIAL HANDLING INSTRUCTIONS

This is to certify that the above-named wastes are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable requirements of the Department of Transportation and the EPA

Charles B. Jones
Printed or typed full name and signature Charles B. Jones

MO. 6 DAY 18 YR 84

☐ Check if continuation sheet is used. Number of continuation sheets

TO BE FILLED IN BY TRANSPORTER

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE WASTES
TOM MARTIN
Printed or typed full name and signature Tom Martin

DATE REC'D & ACCEPTED MO. 06 DAY 18 YR 84

TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE WASTES
Printed or typed full name and signature

DATE REC'D & ACCEPTED MO DAY YR

TO BE FILLED IN BY TSDF

DISCREPANCY INDICATION SPACE

Facility owner or operator. Certification of receipt of hazardous waste covered by this manifest except as noted in the discrepancy indication space above. Note: TSDF must complete waste number.
See instructions
Evelyn Skaggs
Printed or typed full name and signature Evelyn Skaggs
000-G
Ph8° F# WC-1

EPA ID NUMBER CAD080010283

DATE RECEIVED & ACCEPTED MO 06 DAY 22 YR 84

FORM NO DHS-8022A 11/82

TSDF SENDS THIS COPY TO DOHS WITHIN 15 DAYS

EPC# 49313

83-8796

State of California – Health and Welfare Agency
HAZARDOUS WASTE MANAGEMENT BRANCH
714 744 P Street
Sacramento CA 95814

Department of Health Services

UNIFORM HAZARDOUS WASTE MANIFEST

Please print or type with ELITE type (12 characters per inch)

W0183

STATE ID NUMBER 83585745

TO BE FILLED IN BY GENERATOR

GENERATOR NAME AND MAILING ADDRESS
DIXON HARDCHROME
11645 PENDLETON
SUN VALLEY
AREA CODE PHONE NUMBER

MANIFEST DOCUMENT NUMBER
EPA ID NUMBER
CAD008392722

TRANSPORTER NO
MARTIN IND PUMPING INC

VEH CONTAINER NO
53004

EPA ID NUMBER
CAD000628636

TRANSPORTER NO 2 ALTERNATE TSD FACILITY
CASMALIA DISPOSAL
NTU RD
CASMALIA

VEH CONTAINER NO

EPA ID NUMBER
CAD020748125

TREATMENT, STORAGE OR DISPOSAL (TSD) FACILITY
EPC WESTSIDE
HWY 33
FELLOWS CA
AREA CODE/PHONE NUMBER 805-768-4806

EPA ID NUMBER
CAT080010283

PROPER U S D O T SHIPPING NAME AND HAZARD CLASS	UN/NA NUMBER	TOTAL QUANTITY	UNIT WT VOL	CONTAINER NO	CONTAINER TYPE	WASTE CAT NO	DISP METH
HAZARDOUS LIQUID NOS ORM-E	MA9189	500	G	001	CT	132	04

COMPONENTS (INSOLUBLE METAL HYDROXIDE)	CONC RANGE UPPER	CONC RANGE LOWER	UNITS %	UNITS PPM
CADMIUM	2000			X
CHROME	3896			X
COPPER	8000			X
NICKEL	6734			X

SPECIAL HANDLING INSTRUCTIONS
GLOVES

This is to certify that the above-named wastes are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable requirements of the Department of Transportation and the EPA

Joe Di Mambro
Printed or typed full name and signature JOE DI MAMBRO

MO. 11 DAY 21 YR 84

☐ Check if continuation sheet is used Number of continuation sheets

TO BE FILLED IN BY TRANSPORTER

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE WASTES
MIKE REINA
Printed or typed full name and signature Mike Reina

DATE REC'D & ACCEPTED MO 11 DAY 21 YR 84

TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE WASTES
Printed or typed full name and signature

DATE REC'D & ACCEPTED MO DAY YR

TO BE FILLED IN BY TSDF

DISCREPANCY INDICATION SPACE

Facility owner or operator: Certification of receipt of hazardous waste covered by this manifest except as noted in the discrepancy indication space above. Note: TSDF must complete waste number. See instructions.

EVELYN SKAGGS 500-G
Evelyn Skaggs PH9.1 F# WE-1
Printed or typed full name and signature

EPA ID NUMBER CAT080010283

DATE RECEIVED & ACCEPTED MO. 11 DAY 21 YR 84

FORM NO DHS-8022A 11/82 TSDF SENDS THIS COPY TO DOHS WITHIN 15 DAYS EPC# 55973 83-87967 H

California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD008392722 Manifest Document No. 80002

2. Page 1 of

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARD CHROME
11645 PENDLETON ST. SUN VALLEY, CAL.

4. Generator's Phone (818) 767-9650

A. State Manifest Document Number 84089167

B. State Generator's ID CAD008392722

C. State Transporter's ID 4292

D. Transporter's Phone 213-776-6233

5. Transporter 1 Company Name: RHO-CHEM CORP

6. US EPA ID Number: CAD008364432

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
RHO-CHEM CORP.
425 ISIS AVE. INGLEWOOD CAL, 90301

10. US EPA ID Number: CAD008364432

G. State Facility's ID CAD008364432

H. Facility's Phone 213-776-6233

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE ORM-A LIQUID NOS-NA-1693	3	DM	130		212
b. WASTE COMBUSTABLE LIQUID NOS-N.A. 1993	3	DM	70		221
c.					
d.					

J. Additional Descriptions for Materials Listed Above
J-1 PERCHLORTYHYLENE A2-WAX, METAL FINE 90%
J-2 BASE OIL-C- 95%
J-3 FHOUR FLUX 5%

K. Handling Codes for Wastes Listed Above
10%

15. Special Handling Instructions and Additional Information
GLOVES + GOGGLES TO BE WORN WHEN HANDLING

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date Month Day Year
ERK JOHNSON	Erk W Johnson	05 06 86

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year
Robt. Cuddy 28512	Robt Cuddy	05 06 86

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date Month Day Year
ERK JOHNSON	Erk W Johnson	5 6 86

Blue. GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

DHS 8022 A (7/84)
(EPA 8700-22)

84 89641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: cad008392722 | Manifest Document No.: 11-1 | 2. Page 1 of | Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
DIXON HARDCHROME
11645 PENDLETON SUN VALLEY CALIF,

4. Generator's Phone (*818) 7679650

A. State Manifest Document Number: 84158005
B. State Generator's ID: CAD008392722

5. Transporter 1 Company Name: RHO CHEM CORP. | 6. US EPA ID Number: CAD008364432
C. State Transporter's ID: 64292
D. Transporter's Phone: 213-776-6233

7. Transporter 2 Company Name | 8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
RHO-CHEM CORP.
425 ISIS AVE , INGLEWOOD , CALIF,

10. US EPA ID Number: cad008364432
G. State Facility's ID: CAD008364432
H. Facility's Phone: 213-7766233

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE ORM-A LIQUID NOS NA1693	7	DM	310	G	211
b. WASTE COMBUSTIBLE LIQUID NOS NA1993	3	DM	100	G	223
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a-1 Perchlorethylene 90%
a-2 Wax, Water, Metalfines, 10%
b-1 Base oil, -C- 75%
b-2 Mag oil, Metalfines 30%

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
USE GLOVES AND GOGGLES TO BE WORN WHEN HANDLING HAZARDOUS WASTE

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name: ERIK K. JOHNSON | Signature | Date: Month 1 Day 1 Year 86

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Robt. Cuddy 36269 | Signature | Date: Month 1 Day 12 Year 86

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name | Signature | Date: Month Day Year

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

DHS 8022 A (7/84)
(EPA 8700-22)

84 80541

...nia—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

...print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: cad008392722
Manifest Document No.: 011-1
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARDCHORME
11645 Pendleton Street, Sun Valley CA

4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 84158006
B. State Generator's ID: CAD008392722

5. Transporter 1 Company Name: RHO CHEM CORP.
6. US EPA ID Number: CAD008364432
C. State Transporter's ID: [redacted]
D. Transporter's Phone: 213-776-6233

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
RHO-CHEM CORP.
425 ISIS AVE, INGLEWOOD, CALIF.
10. US EPA ID Number: cad008364432
G. State Facility's ID: CAD008364432
H. Facility's Phone: 213-776-6233

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE ORM-A LIQUID NOS NA1693	3	DM	310	6	211
b. WASTE COMBUSTIBLE LIQUID NOS NA1993	2	DM	100	6	223
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a-1 Perchlortyhylene 90%
2-a Wax, Water, Metalfines, 10%
b-1 Base oil,-C- 70%
b-2 Mag oil, Metalfines 30%

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
USE GLOVES AND GOGGLES TO BE WORN WHEN HANDLING HAZARDOUS WASTE

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name: K. JOHNSON, ERIK K.
Signature: [signature]
Date: Month Day Year: 03 02 87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: GERALD RIES
Signature: [signature] #5 #40320
Date: Month Day Year: 03 02 87

18. Transporter 2 Acknowledgement or Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year:

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name:
Signature:
Date: Month Day Year:

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

DHS 8022 A (7/84)
(EPA 8700-22)

84 89541

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 008392722 — Manifest Document No. 8 — 2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Dixon Hard Chrome, Inc.
11645 Pendleton Street
Sun Valley, CA 91352

A. State Generator's Document Number: 84158007

4. Generator's Phone ( )

B. State Generator's ID:

5. Transporter 1 Company Name: RHO-CHEM CORP. — 6. US EPA ID Number: CAD008392722

C. State Transporter's ID: 6A-47

D. Transporter's Phone:

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
RHO-CHEM CORP
425 Isis Ave.
Inglewood, Ca 90301

10. US EPA ID Number: cad0008364432

G. State Facility's ID:

H. Facility's Phone: 1-213-776-6233

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. waste orm-a liquid NA1693	2	DM	54	G	211
b. waste combustible liquid NA1993	2	DM	108	G	221
c.					
d.					

J. Additional Descriptions for Materials Listed Above
A-1 Perchloroethylene & Hylene 90%
A-2 Masking wax, water metal fines 10%
B-1 Base oil 80%
B-2 FLUX 20%

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
GLOVES & GOGGLES TO BE WORN WHEN HANDLING

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name: ERIK JOHNSON — Signature: Erik Johnson — Date: Month 08 Day 28 Year 86

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: 33221 KENNETH E. ATKINSON — Signature: Kenneth E Atkinson (3) — Date: Month 08 Day 28 Year 86

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name — Signature — Date: Month Day Year

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

DHS 8022 A (7/84)
(EPA 8700-22)

84 60541

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) EH-3-6705

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD008392722 | Manifest Document No. | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIAMOND HARD CHROME, INC.
11645 Pendleton St.
Sun Valley, CA 91352

A. State Manifest Document Number 84311227

B. State Generator's ID

4. Generator's Phone (818) - 767-9650

5. Transporter 1 Company Name: MARTIN IND. PUMPING INC. | 6. US EPA ID Number: CAD000628636 | C. State Transporter's ID 63548 | D. Transporter's Phone 805-251-3237

7. Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address
CHEMICAL WASTE MGT.
35251 OLD SKYLIMER RD.
KETTLEMAN HILLS CA. | 10. US EPA ID Number: CAT000646117 | G. State Facility's ID: CAT-000646117 | H. Facility's Phone 1-209-386-9711

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE CYANIDE SOLUTION POISON "B" UN 1935	001	TT	2706	G	711
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
WATER 78%
SODIUM CYANIDE 15%
CADMIUM 5 PPM.
COPPER 25 P.P.M
NICKEL 31 P.P.M

K. Handling Codes for Wastes Listed Above: 15

15. Special Handling Instructions and Additional Information
GLOVES GOGGLES, PROTECTIVE CLOTHS.
DOT-E-7476 ~~8022~~

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name | Signature | Date (Month Day Year)

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: TOM MARTIN | Signature: Tom Martin | Date: 04/18/86

Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name: Tom V Amick | Signature: Tom V Amick | Date: 4/18/86

Discrepancy Indication Space

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name | Signature | Date (Month Day Year)

GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
P.O. Box 806, Sacramento, CA 95802

(7/84)
2)

84 86541

State of California—Health and Welfare Agency

#2.

WO 183

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type (Form designed for use on elite (12-pitch) typewriter)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722
Manifest Document No.:
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

GENERATOR

3. Generator's Name and Mailing Address
DIXON Hard Chrome
11615 Pendleton
Sun Valley, CA 91352
4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 84311230
B. State Generator's ID:

5. Transporter 1 Company Name: MARTIN Ind. Pumping Inc.
6. US EPA ID Number: CAD000628636
C. State Transporter's ID: 53805
D. Transporter's Phone: 251-3737

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
EPC Westside
Hiway 33 Fellows, CA
(805) 768-4806
10. US EPA ID Number: CAT080010283
G. State Facility's ID: CAT080010283
H. Facility's Phone: (805) 768-4806

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE N.O.S. ORM-E NA9189	001	TT	1800	G	132
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Chrome .08
Nickel 2.04
Lead .04
Zinc 1.20
PH 9.5

K. Handling Codes for Wastes Listed Above: 04

15. Special Handling Instructions and Additional Information
GLOVES, GOGGLES

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
CHARLES B. JONES	Charles B. Jones	5 8 85

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
TOM EATON	Tom Eaton	05 08 85

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
Susan E Peltzer	Susan E Peltzer	05 08 85

438

DHS 8022 A (7/84)
(EPA 8700-22)

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
TO: P.O. Box 3000, Sacramento, CA 95812

pH 9.0 WEY

EPC# 62773

84 89541

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 008392722 — Manifest Document No. 85831 — 2. Page 1 of — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Dixon Hard Chrome Plating
11645 Pendleton 4978
Sun Valley CA 91350
4. Generator's Phone (818) 767 9650

A. State Manifest Document Number: 84312398
B. State Generator's ID:

5. Transporter 1 Company Name: Casmalia Resources
6. US EPA ID Number: CAD020748125
C. State Transporter's ID: 65817
D. Transporter's Phone: 805-937-8449

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Rd.
Casmalia, CA 93429
10. US EPA ID Number: CAD020748125
G. State Facility's ID: CAD020748125
H. Facility's Phone: 805-937-8449

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. NA9189 Hazardous Waste Solid n.o.s ORM-E	07	DF	3500	P	171
b. NA9189 Hazardous Waste Solid nos ORM-E	12	DF	800	P	172
c. Waste Corrosive Solid nos UN 1759	3	DF	1500	P	241
d.					

J. Additional Descriptions for Materials Listed Above
a1 Filter Pack - Nickel 20% chrome 20%
b1 Filter Paper copper 30% cadmium 30%
c1 Chromic Acid 10% Lead 1%

K. Handling Codes for Wastes Listed Above: 03

15. Special Handling Instructions and Additional Information
Wear protective clothing

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
Bruce Rogers	Bruce Rogers	03 25 85

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
RANDY S. LIMON	Randy S. Limon	03 25 85

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. #.4113-5,560lbs

Printed/Typed Name	Signature	Date (Month Day Year)
Carol Schmutte Casmalia Resources	Carol Schmutte	03 25 85

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
TO: P.O. Box 3000, Sacramento, CA 95812

DHS 8022 A (7/84)
(EPA 8700-22)

84 89541

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD008392722 — Manifest Document No.

2. Page 1 of — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARD CHROME
11645 PENDLETON ST. SUNVALLEY CAL

4. Generator's Phone (818) 767-1650

A. State Manifest Document Number 84341443

B. State Generator's ID CAD008392722

5. Transporter 1 Company Name: RHO-CHEM CORP — 6. US EPA ID Number: CAD008364432 — C. State Transporter's ID 64393 — D. Transporter's Phone 213 776 6233

7. Transporter 2 Company Name — 8. US EPA ID Number — E. State Transporter's ID — F. Transporter's Phone

9. Designated Facility Name and Site Address
RHOCHEM CORP
425 - ISIS AVE
INGLEWOOD, CAL 90301

10. US EPA ID Number: CAD008364432

G. State Facility's ID

H. Facility's Phone 213-776-6233

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE ORM-A LIQUID NOS - NA-1693	05	DM	250	G	212
b. Waste Combustible Liquid Nos - NA-1993	03	DM	150	G	221
c.					
d.					

J. Additional Descriptions for Materials Listed Above
9-1 PERCHLORETHYLENE 90%
9-2 WAX, WATER, Metal Fines 10%
BBASE OIL C.

K. Handling Codes for Wastes Listed Above
2DM - 01
6DM - 07

15. Special Handling Instructions and Additional Information
Gloves + Goggles to be worn when handling Waste

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
ERIK JOHNSON	Erik K Johnson	2 21 86

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Richard R. Baker Shipper #25455	Richard R Baker (8)	02 21 86

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
Chet Fearley	Chet Fearley	2 21 86

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
TO: P.O. Box 3000, Sacramento, CA 95812

DHS 8022 A (7/84)
(EPA 8700-22)

04 89541

State of California—Health and Welfare Agency

EH 76705

LAXD38293

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD008392722 — Manifest Document No.

2. Page 1 of — Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
Dixon Hard Chrome
11645 Pendleton St.
Sun Valley, Calif. (91352)

4. Generator's Phone (818) 767-7650

A. State Manifest Document Number: 84350915

B. State Generator's ID:

5. Transporter 1 Company Name: Martin Industrial Pumping

6. US EPA ID Number: CAD 000628636

C. State Transporter's ID: 53004

D. Transporter's Phone: (805) 251-3737

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address

10. US EPA ID Number

G. State Facility's ID: CAT000646117

H. Facility's Phone:

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Cyanide Poison "B" UN 1935	01	TT	1800	G	131
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Water 78%
Sodium Cyanide 15%
Cadmium .5 P.P.M
Copper 2.3 P.P.M
Nickel 3.1 P.P.M

K. Handling Codes for Wastes Listed Above: 15

15. Special Handling Instructions and Additional Information
Gloves - Goggles Protective Clothing

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name: Charles B. Jones — Signature: Charles B. Jones — Date: Month 3 Day 7 Year 85

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Henry Page — Signature: Henry Page — Date: Month 3 Day 7 Year 85

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name: — Signature: — Date: Month Day Year

FACILITY

19. Discrepancy Indication Space
9. TSDF CWMI - Kettleman Hills Facility #13 24716 gals rec'd.
Kettleman City, CA 93239
35251 Old Skyline Rd. #10 ID CAT000646117

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Barry A. Benko LT — Signature: Barry A. Benko — Date: Month 3 Day 7 Year 85

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
TO: P.O. Box 3000, Sacramento, CA 95812

DHS 8022 A (7/84)
(EPA 8700-22)

84 89641

State of California—Health and Welfare Agency

EH 3-6705 AXD 38293

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typ

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 008392722 | Manifest Document No.: | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARD CHROME INC
11645 PENDLETON ST SUN VALLEY CA 91352

A. State Manifest Document Number: 84350925

B. State Generator's ID:

4. Generator's Phone (818) 767-9650

5. Transporter 1 Company Name: MARTIN INDUSTRIAL PUMPING | 6. US EPA ID Number: CAD 000628636

C. State Transporter's ID: 6354 D

D. Transporter's Phone: (805) 251-3737

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT
KETTLEMAN HILL FACILITY | 10. US EPA ID Number: CAT 000646117

G. State Facility's ID: CAT 000646117

H. Facility's Phone: (209) 386-9712

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste CYANIDE SOLUTION	01	TT	1000	G	131
b. Poison "B" UN 1935					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
WATER 78 %
SODIUM CYANIDE 15%
CADMIUM .5 P.P.M.
COPPER 3.3 P.P.M.
NICKEL 3.1 P.P.M.

K. Handling Codes for Wastes Listed Above: 99

15. Special Handling Instructions and Additional Information
GLOVES - GOGGLES - PROTECTIVE CLOTHING

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
BRUCE ROGERS	Bruce Rogers	7 12 85

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
HANK PAGE	Hank Page	7 12 85

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space
(9.) CWM 3505-1 OLD SKYLINE RD Kettleman City (7/13/85) WE ~~Material~~ unable to be unloaded 7/12/85 Tanker at Kettleman Hills Facility Recieved 700 GAL AT Kettleman City

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
S Nunnes	S Nunnes	7 13 85

DHS 8022 A (7/84)
(EPA 8700-22)

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
TO: P.O. Box 3000, Sacramento, CA 95812

84 89641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

W0183

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722
Manifest Document No.:
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON Hard Chrome
11645 Pendelton (91350)
Sun Valley

4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 84350929
B. State Generator's ID:

5. Transporter 1 Company Name: MARTIN IND. PUMPING INC.
6. US EPA ID Number: CAD 000628636
C. State Transporter's ID: 53006
D. Transporter's Phone: 251-3737

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
EPC WESTSIDE
Hiway 33, Fellows, CA.
10. US EPA ID Number:
G. State Facility's ID: CAT080010283
H. Facility's Phone: (805) 768-4806

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE N.O.S. ORM-E (NA9189)	001	TT	300 GAL.		
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Chrome .08 P.P.M.
Nickel 2.40 P.P.M.
Lead .04 P.P.M
Zinc 2.6 P.P.M.

K. Handling Codes for Wastes Listed Above
.04

15. Special Handling Instructions and Additional Information
Gloves

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name: Charles B. Jones
Signature: Charles B. Jones
Date: Month 4 Day 30 Year 85

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: HANK PAGE
Signature: Hank Page
Date: Month 4 Day 30 Year 85

18. Transporter 2 Acknowledgement or Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rik Scott
Signature: [signature]
Date: Month 5 Day 3 Year 85

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
TO: P.O. Box 3000, Sacramento, CA 95812

DHS 8022 A (7/84)
(EPA 8700-22)

PH117WE-4

EPC 62649

7B

State of California—Health and Welfare Agency EH 3-6705 LAX D38293 Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 009392722 Manifest Document No.
2. Page 1 of 1 Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
DIXON Hard Chrome
11645 Pendleton St.
Sun Valley, Calif. (91352)
4. Generator's Phone (818) 767-9650

A. State Manifest Document Number 84350930
B. State Generator's ID

5. Transporter 1 Company Name: Martin Industrial Pumping
6. US EPA ID Number: CAD 000628636
C. State Transporter's ID 53006
D. Transporter's Phone (805) 251-3737

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
10. US EPA ID Number
G. State Facility's ID CAT 000646117
H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Cyanide Poison "B" UN 1935	01	TT	1800	G	131
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Water 78%
Sodium Cyanide 15%
CADMIUM .5 P.P.M.
Copper 2.3 P.P.M
Nickel 3.1 P.P.M.

K. Handling Codes for Wastes Listed Above: 15

15. Special Handling Instructions and Additional Information
Gloves - Goggles - Protective Clothing

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name: Charles B. Jones — Signature: Charles B. Jones — Date: Month 4 Day 19 Year 85

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Hank Page — Signature: Hank Page — Date: Month 4 Day 29 Year 85

18. Transporter 2 Acknowledgement or Receipt of Materials
Printed/Typed Name — Signature — Date: Month . Day . Year .

FACILITY

19. Discrepancy Indication Space
13 - 1500 g received / generator Notified ; 88 I) 711
TSDF CWM I 35251 Old Skyline Rd. Kettleman City CA 93239 EPA ID # CAT000646117

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Nora Crawford LT — Signature: Judy Crawford — Date: Month 04 Day 29 Year 85

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
TO: P.O. Box 3000, Sacramento, CA 95812

DHS 8022 A (7/84)
(EPA 8700-22)

84 89641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD008392722 | Manifest Document No.

2. Page 1 of | Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
DIXON HARD CHROME
11645 SUNLAND BLVD
SUN VALLEY, CA 91352

4. Generator's Phone (818) 767-9650

A. State Manifest Document Number 84360036

B. State Generator's ID

5. Transporter 1 Company Name: MARTIN IND PUMPING

6. US EPA ID Number: CAD000628636

C. State Transporter's ID 66600/63559

D. Transporter's Phone 805-25[illegible]-3737

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CASMALIA RESOURCE MGT
NTU ROAD
CASMALIA, CA

10. US EPA ID Number: CAD 020748125

G. State Facility's ID: CAD020748125

H. Facility's Phone: 805-937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID NOS ORM-E NA 9189	16	DM	4	Y	171
b. Hazardous waste solid NOS ORM-E NA 9189	11	DM	2 3/4	Y	611
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. DRUM # 1-16 Filters contaminated with HEAVY METALS.
b. copper and nickel plating waste solidified in Vermiculite (DRUM # 17-27)

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name: BRUCE ROGERS | Signature: Bruce Rogers | Date: Month 8 Day 8 Year 85

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: TOM MARTIN | Signature: Tom Martin | Date: Month 8 Day 8 Year 85

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name | Signature | Date: Month . Day . Year .

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. #55656

Printed/Typed Name: CASMALIA RESOURCES ALICE | Signature: Alice Griest | Date: Month 8 Day 10 Year 85

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
TO: P.O. Box 3000, Sacramento, CA 95812

DHS 8022 A (7/84)
(EPA 8700-22)

84 88541

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD008392722 Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARD CHROME
11645 PENDLETON ST. SUN VALLEY 6755

4. Generator's Phone (818) 767-9650

A. State Manifest Document Number 84360037

B. State Generator's ID

5. Transporter 1 Company Name MARTIN IND. PUMPING INC 1730

6. US EPA ID Number CAD 000628636

C. State Transporter's ID 63559-66660

D. Transporter's Phone (801) 251-3731

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CASMALIA RESOURCES
NTU RD. CASMALIA, CA.

10. US EPA ID Number CAD020748125

G. State Facility's ID CAD020748125

H. Facility's Phone (805) 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID NOS/ORM-E NA9189	5	DM	1 1/4	Y	171
b. WASTE CORROSIVE SOLID NOS CORROSIVE MATERIAL UN1759	29	DM	7 1/4	Y	611
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. METAL TREATMENT SLUDGE SOLIDS (DRUM 1-5)
b. HYDROCHLORIC & NITRIC ACID SOLIDIFIED IN VERMICULITE (DRUM #6-34)

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name: Steven Lopez
Signature: Steven Lopez
Date: Month 8 Day 9 Year 85

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: TOM MARTIN
Signature: Tom Martin
Date: Month 8 Day 9 Year 85

18. Transporter 2 Acknowledgement or Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. # 55823-10,140 lbs
Printed/Typed Name: CASMALIA RESOURCES
Signature: Sherry Mobley - Sherry Mobley
Date: Month 0.8 Day 1.2 Year 85

GENERATOR

TRANSPORTER

FACILITY

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
TO: P.O. Box 3000, Sacramento, CA 95812

DHS 8022 A (7/84)
(EPA 8700-22)

R4 80641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

LAXD38293

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 008392722
Manifest Document No.:
2 Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON Hard Chrome
11645 Pendleton St.
Sun Valley, Calif. (91352)
4. Generator's Phone (818) 7079650

A. State Manifest Document Number: 84360255
B. State Generator's ID:

5. Transporter 1 Company Name: MARTIN Industrial Pouping
6. US EPA ID Number: CAD 000628636
C. State Transporter's ID: 53004
D. Transporter's Phone: (805) 251-3737

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT
KETTLEMAN HILL Facility
(209) 386-9712
10. US EPA ID Number: CAT 000646117
G. State Facility's ID: CAT000646117
H. Facility's Phone: CAT000646117

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Cyanide POISON "B" UN1935	01	TT	1800	G	131
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Water 78%
Sodium Cyanide 15%
CADMIUM .5 P.P.M
Copper 2.3 P.P.M
Nickel 3.1 P.P.M

K. Handling Codes for Wastes Listed Above
9-99

15. Special Handling Instructions and Additional Information
Gloves - Goggles - Protective Clothing

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
CHARLES B. JONES	Charles B. Jones	1 2 85

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
TOM MARTIN	Tom Martin	01 2 85

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space
TSDF 35251 old Skyline Rd
Kettleman City 93239
WASTE CAT 711
CN = 1.64%

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
BRIAN BOWEN	Brian Bowen	01 21 85

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
TO: P.O. Box 3000, Sacramento, CA 95812

DHS 8022 A (7/84)
(EPA 8700-22)

84 89541

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD008392722 | Manifest Document No.

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARD CHROME
11545 Pendleton Rd. Sun Valley CA. 91352

A. State Manifest Document Number 84360306

B. State Generator's ID

4. Generator's Phone (818) 7679650

5. Transporter 1 Company Name: MARTIN IND PUMPING 1730 | 6. US EPA ID Number: CAD000624636 | C. State Transporter's ID 635240 | D. Transporter's Phone 805-251-3731

7. Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address
CASMALIA Resource Mgt.
NTU RD. CASMALIA CAL.
CLASS I

10. US EPA ID Number: CA-D-020-748/125

G. State Facility's ID CAD020748/125

H. Facility's Phone 805-937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE ACID SOLUTION NOS CORROSIVE UN 1760	001	TT	01000	G	111
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
NITRIC ACID 10%
WATER 90%

K. Handling Codes for Wastes Listed Above
08/J (Acid)

15. Special Handling Instructions and Additional Information
ACIDS & GASES DOT-E 8027

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
JAIME L. PAZ		1 1 25 85

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
LARRY RAMIREZ		1 1 25 85

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. # 64491-68206

Printed/Typed Name	Signature	Date (Month Day Year)
CASMALIA RESOURCES		1 1 25 85

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
TO: P.O. Box 3000, Sacramento, CA 95812

DHS 8022 A (7/84)
(EPA 8700-22)

84 80641

State of California—Health and Welfare Agency

EH 3-6705
LAK D38293

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD008392722 | Manifest Document No.

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DILON HARDCHROME
11645 PENDLETON ST
SUN VALLEY CA 91352

4. Generator's Phone (818) 767-9650

A. State Manifest Document Number 84360309

B. State Generator's ID

5. Transporter 1 Company Name: MARTIN IND. PUMPING INC

6. US EPA ID Number: CADOD062 8636

C. State Transporter's ID 63543

D. Transporter's Phone 805-251-3737

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHEMICAL WASTE MGT
35251 OLD SKYLINE RD
KETTLEMAN CITY CAL

10. US EPA ID Number: CAT000646117

G. State Facility's ID CAT 000646117

H. Facility's Phone 209-386-9712

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
GENERATOR a.	WASTE CYANIDE SOLUTION POISON "B" UN 1935	001	TT	1250	G	131
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
WATER 78%
SODIUM CYANIDE 15%
CADMIUM .5 PPM
COPPER 2.5 PPM
NICKEL 31PPM

K. Handling Codes for Wastes Listed Above: 15

15. Special Handling Instructions and Additional Information
GLOVES - GOGGLES - PROTECTIVE CLOTHING
DOT E 7476

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
ERIK K JOHNSON	Erik K Johnson	2 3 86

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
MICHAEL R REINA	Michael R Reina	02 03 86

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
J. Reames	J. Reames	2 3 86

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
TO: P.O. Box 3000, Sacramento, CA 95812

DHS 8022 A (7/84)
(EPA 8700-22)

84 80541

State of California—Health and Welfare Agency

EH-3-6705

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

LAD038293

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA.D008.39.2722 — Manifest Document No.

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
DIXON HARDCHROME
11645 PENDLETON ST SUN VALLEY CA

A. State Manifest Document Number 84360310

B. State Generator's ID

4. Generator's Phone (818) 767-9650 91352

5. Transporter 1 Company Name: MARTIN IND PUMPING INC

6. US EPA ID Number: CA.D000628636

C. State Transporter's ID 63540

D. Transporter's Phone 805-251-3737

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHEMICAL WASTE MGT.
35251 OLD SKYLINE RD
KETTLEMAN HILLS CA

10. US EPA ID Number: CAT000646117

G. State Facility's ID: CAT000646117

H. Facility's Phone: 209-386-9711

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE CYANIDE SOLUTION POISON "B" UN 1935	001	TT	2500	G	131
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
WATER 78%
SODIUM CYANIDE 15% · NICKEL 3.1 PPM
CADMIUM .5PPM
COPPER 25PPM

K. Handling Codes for Wastes Listed Above: 15

15. Special Handling Instructions and Additional Information
GLOVES GOGGLES PROTECTIVE CLOTHING
DOTE 8822

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
Jaime C. Paz		02 26 86

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
MIKE REINA	Mike Reina	02 26 86

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space
9. Improper Facility address

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
Judy Crawford RS	Judy Crawford	02 26 86

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
TO: P.O. Box 3000, Sacramento, CA 95812

DHS 8022 A (7/84)
(EPA 8700-22)

84 89541

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: C A D 008 392 722
Manifest Document No.:
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Dixon Hard Chrome Inc.
11645 Pendleton Ave. Sun Valley Ca. 91352
4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 84360317
B. State Generator's ID:

5. Transporter 1 Company Name: Martin Ind. Pmping Inc.
6. US EPA ID Number: C A D 000 628 636
C. State Transporter's ID: 63540
D. Transporter's Phone: 805 251-3737

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
CWM Kettleman Hills Facility
35251 Old Skyline Rd.
Kettleman City
10. US EPA ID Number: C A T 000 646 117
G. State Facility's ID: CAT000646117
H. Facility's Phone: 209 386-9712

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Cyanide Solution Poison B UN1935	001	TT	3000 ~~3300~~	G	131
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
WAter 78%
Cyanide 15%
Cadmium .5PPM
Copper 2.3PPM
Nickel 3. PPM

K. Handling Codes for Wastes Listed Above: 15

15. Special Handling Instructions and Additional Information
Gloves Goggles Protective Clothing
DOT E- 8822
EH Permit # 3-6705

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
Jaime C. Paz		11 21 85

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Larry Ramirez	Larry Ramirez	11 21 85

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
Ricardo S. Abellera	Ricardo S. Abellera	11 21 85

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
TO: P.O. Box 3000, Sacramento, CA 95812

DHS 8022 A (7/84)
(EPA 8700-22)

84 89641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

LAX D38293

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 | Manifest Document No.: | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
DIXON HARD CHROME, INC.
11645 PENDLETON ST. SUN VALLEY, CA 91352

4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 84360331

B. State Generator's ID: CAD 008392722

5. Transporter 1 Company Name: MARTIN IND. PUMPING, INC.

6. US EPA ID Number: CAD000628636

C. State Transporter's ID: 63542

D. Transporter's Phone: (805) 321-3731

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
CHEMICAL WASTE MGT.
35251 OLD SKYLINE RD
KETTLEMAN CITY, CAL

10. US EPA ID Number: CAT000646117

G. State Facility's ID: CAT000646117

H. Facility's Phone: (209) 386-9712

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE CYANIDE SOLUTION POISON "B" UN 1935	001	TT	31.00	G	131
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
WATER 78%
SODIUM CYANIDE 15%
CADMIUM .5
COPPER 2.5
NICKEL 3.0

K. Handling Codes for Wastes Listed Above: 06

15. Special Handling Instructions and Additional Information
GLOVES - GOGGLES - PROTECTIVE CLOTHING
DOT E - 7476

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
Lainie C. Paz	Lainie C. Paz	12 23 85

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
THOMAS G. EATON	Thomas G. Eaton	12 23 85

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
Stephen Pickell	Stephen Pickell	12 23 85

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
TO: P.O. Box 3000, Sacramento, CA 95812

DHS 8022 A (7/84)
(EPA 8700-22)

84 80541

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD008392722 Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Dixon Hardchrome
11645 Pendleton Street
Sun Valley, CA. 91352
4. Generator's Phone ( ) 818-767-9650

A. State Manifest Document Number 84360353

B. State Generator's ID

5. Transporter 1 Company Name: Martin Industrial Pumping Inc.
6. US EPA ID Number: CAD000628636

C. State Transporter's ID 03559/63562

D. Transporter's Phone 805-251-3737

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Casmalia Resources
N.T.U. Road
Casmalia, CA.
10. US EPA ID Number: CAD020748125

G. State Facility's ID CAD020748125

H. Facility's Phone 805-937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Hazardous Waste Solid N. O.S. N.A. 9189 ORM-E	11	DM	2 3/4	Y	352
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. Metal Hydroxides and filters

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
PROTECTIVE CLOTHING

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
JAIME C. PAZ	Jaime C Paz	11/13/85

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
DAVID SUTHERLAND	David Sutherland	11/13/85

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space
Refused for liquid. (11/14/85)

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. #63796

Printed/Typed Name	Signature	Date (Month Day Year)
Casmalia Resources		11/15/85

DHS 8022 A (7/84)
(EPA 8700-22)

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
TO: P.O. Box 3000, Sacramento, CA 95812

84 80541

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD008392722 — Manifest Document No.

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
DIXON Hard Chrome PLATING
11645 PENDLETON ST.
SUN VALLEY (91352) 67341

4. Generator's Phone (818) 767-9650

A. State Manifest Document Number 84360375

B. State Generator's ID

5. Transporter 1 Company Name 1730
MARTIN Ind. PUMPING, INC.

6. US EPA ID Number CAD000628636

C. State Transporter's ID 63543

D. Transporter's Phone (805) 251-3737

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CASMALIA Resources
NTU Rd.
CASMALIA, CA (93429)

10. US EPA ID Number CAD020748125

G. State Facility's ID CAD020748125

H. Facility's Phone (805) 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Hazardous Waste N.O.S. ORM-E NA9189	001	T.T.	2,000	GAL.	132
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
CHROME .08
LEAD .03 P.P.M
CADMIUM .04 P.P.M

K. Handling Codes for Wastes Listed Above
06/C

15. Special Handling Instructions and Additional Information
GLOVES GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
CHARLES B. JONES	Charles B. Jones	10 7 85

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
MIKE REINA	Mike Rein	10 07 85

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. # 60646 - 18,880 lbs.

Printed/Typed Name	Signature	Date (Month Day Year)
Casmalia Resources / Edna Bautista	Edna Bautista	10 07 85

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
TO: P.O. Box 3000, Sacramento, CA 95812

DHS 8022 A (7/84)
(EPA 8700-22)

84 86541

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A D 0 0 8 3 9 2 7 2 2 | Manifest Document No.

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Dixon Hard Chrome Inc. 6734
11645 Pendleton St, Sun Valley, Ca. 91352

4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 84632452
B. State Generator's ID:

5. Transporter 1 Company Name: Martin Ind. Pumping Inc. 1730
6. US EPA ID Number: C A D 0 0 0 6 2 8 6 3 6
C. State Transporter's ID: 63542
D. Transporter's Phone: 805 251-3737

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Rd.
Casmalia, Ca. 93429
10. US EPA ID Number: C A D 0 2 0 7 4 8 1 2 5
G. State Facility's ID: CADO20748125
H. Facility's Phone: 805 937-3449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Hazardous Waste Liquid NOS/ ORM_-e/ NA 9189	001	TT	12.00	G	111
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Chrome 111
Sodium Bisulfite
Water
DOT-E 7476

K. Handling Codes for Wastes Listed Above
08/E
(AIK)

15. Special Handling Instructions and Additional Information
Gloves, Goggles

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
JAIME C. PAZ	Jaime C. Paz	01 28 86

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
THOMAS G. EATON	Thomas G. Eaton	01 28 86

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. ± 6837-10,940 lbs.

Printed/Typed Name	Signature	Date (Month Day Year)
CASMALIA RESOURCES	Alice Griest Alice Griest	01 28 86

84632452

DHS 8022 A (11/84)
(EPA 8700-22)

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento CA 95812

84 89641

LAX-D38293
EH-3-6705

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722
Manifest Document No.:
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARD CHROME
11645 PENDLETON ST.
SUN VALLEY CA. 91352
818 767-9650

4. Generator's Phone

A. State Manifest Document Number: 84632475
B. State Generator's ID

5. Transporter 1 Company Name: MARTIN IND. PUMPING
6. US EPA ID Number: CAD000628636
C. State Transporter's ID: 708541
D. Transporter's Phone: (805) 251-3737

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
CHEMICAL WASTE MGT.
35251 OLD SKYLINE RD
KETTLEMAN CITY, CA.
10. US EPA ID Number: CAT000646117
G. State Facility's ID
H. Facility's Phone: (209) 386-9711

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE CYANIDE SOLUTION POISON "B" UN 1935	01	TT	3000	G	F007 711
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
78 % WATER
15 % SODIUM CYANIDE
Cadium @ APPOX 5 mg/L
Copper @ APPX 25 mg/L
Nickel @ APPX 31 mg/L

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Gloves, Goggles & Protective Clothing
Dot-E-8822

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name: TAIME C. PAZ
Signature: [signature]
Date: Month Day Year: 06 19 86

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DAVID SUTHERLAND
Signature: [signature]
Date: Month Day Year: 06 19 86

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name
Signature
Date: Month Day Year

GENERATOR
TRANSPORTER
FACILITY

84632475

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

DHS 8022 A (11/84)
(EPA 8700-22)

84 89641

State of California — Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 008 392 722
Manifest Document No:
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Dixon Hard Chrome
11645 Pendleton Ave Sun Valley, 91352
4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 84632613
B. State Generator's ID:

5. Transporter 1 Company Name: Martin Ind. Pumping Inc.
6. US EPA ID Number: CAD 000 628 636
C. State Transporter's ID: 63540
D. Transporter's Phone:

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID: 805 251 3737
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Casmalia Resources
NTU Rd. Casmalia, Ca. 93429
10. US EPA ID Number: CAD 020 748 125
G. State Facility's ID:
H. Facility's Phone: 805 932-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Hazardous Waste Liquid NOS/ ORM-E/ NA 9189	001	TT	5000	G	D000 132
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
TRIVALENT CHROME
WATER
DOT E-8822

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Wear Protective Clothing

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
Charles Jones		04 27 86

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Chuck Dewitt	Chuck DeWitt	04 27 86

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
Charles B. Jones	C B Jones	4 27 86

84632613

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

DHS 8022 A (11/84)
(EPA 8700-22)

84 8

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD008392722 | Manifest Document No.

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARD CHROME
11645 PENDLETON AVE SUN VALLEY

4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 84632615

B. State Generator's ID:

5. Transporter 1 Company Name: MARTIN IND. PUMPING INC | 6. US EPA ID Number: CAD000628636

C. State Transporter's ID: 63540

D. Transporter's Phone: (805) 251-3737

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
CASMALIA RESOURCES
NTU RD. CASMALIA, CA 93429
CAD020748125 | 10. US EPA ID Number

G. State Facility's ID:

H. Facility's Phone: (805) 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE LIQUID NOS/ORM-E/NA9189	001	TT	9		D000 132
b. 2500 Gal					
c.					
d.					

J. Additional Descriptions for Materials Listed Above: TRIVALENT CHROME WATER

K. Handling Codes for Wastes Listed Above:

15. Special Handling Instructions and Additional Information
DOT E 8827

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
CHARLES B. JONES	Charles B Jones	4 1 86

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
LARRY RAMIREZ	Larry Ramirez	4 13 86

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)

84632615

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

DHS 8022 A (11/84)
(EPA 8700-22)

84 89641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD 008 392 722
Manifest Document No.:
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Dixon Hard Chrome
11645 Pendleton Ave Sun Valley 91333

4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 84632661
B. State Generator's ID:

5. Transporter 1 Company Name: Martin Ind. Pumping Inc.
6. US EPA ID Number: CAD 000 628 636
C. State Transporter's ID: 63559/[illegible]
D. Transporter's Phone:

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Chemical Waste Mgt. Kelltleman Hills Facility
35251 Skyline Rd.
Kettleman City, Ca. 93239
10. US EPA ID Number: CAT 000 646 117
G. State Facility's ID:
H. Facility's Phone: 209 386-9711

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Hazardous Waste Solid NOS/ ORM-E / NA 9189	001	CM	12	Y	171 F006
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Metal hydroxide filter cake 100%

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date Month Day Year
ERIK K JOHNSON	[signature]	05 19 88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year
Ed Mc kee	[signature]	05 19 88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date Month Day Year

GENERATOR

TRANSPORTER

FACILITY

84632661

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

DHS 8022 A (11/84)
(EPA 8700-22)

84 89641

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722
Manifest Document No.:
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARDCHROME
11645 PENDLETON ST.
SUN VALLEY, CA. 91352
4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 84632743
B. State Generator's ID:

5. Transporter 1 Company Name: MARTIN IND. PUMPING
6. US EPA ID Number: CAD000628636
C. State Transporter's ID: 600010
D. Transporter's Phone: (805) 251-3737

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
CASMALIA RESOURCE MGT.
NTU ROAD
CASMALIA, CA. 93429
10. US EPA ID Number: CAD020748125
G. State Facility's ID:
H. Facility's Phone: (805) 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID NOS/ORM-E/NA 9189	1	cm	6	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
A. SLUDGE CONTAMINATED WITH METALS

K. Handling Codes for Wastes Listed Above
D000

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Date Month Day Year
ERIK JOHNSON	[signature]	3 17 86

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year
DAVID SUTHERLAND	[signature]	03 17 86

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date Month Day Year

GENERATOR

TRANSPORTER

FACILITY

84632743

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

DHS 8022 A (11/84)
(EPA 8700-22)

84 89641

State of California—Health and Welfare Agency
Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CA0008392722
Manifest Document No.:
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARDCHROME
11645 PENDLETON ST SUNVALLY CA. 91352

4. Generator's Phone ([redacted]) 818-767-9650

A. State Manifest Document Number: 86082369
B. State Generator's ID: CA0008392722

5. Transporter 1 Company Name: MARTIN INDUSTRIAL PROPRIES
6. US EPA ID Number: CA0006286636
C. State Transporter's ID: 208897
D. Transporter's Phone: 805-251-2737

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
WORLD RESOURCES
8113 W. SHERMAN AVE
PHOENIX AZ 85043

10. US EPA ID Number: AZD980735500
G. State Facility's ID: AZD980735500
H. Facility's Phone: 602-233-9166

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID NOS CRME NA # 9189	001	CM	00012	Y	181 D000
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
METAL HYDROXIDE SLUDGE CONTAMINATED WITH HEAVY METALS

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
GLOVES & GOGGLES

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: JAIME C. PAZ
Signature: [signature]
Month Day Year: 09 29 86

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: EDWARD G. McKEE
Signature: Edward G. McKee
Month Day Year: 09 29 86

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name:
Signature:
Month Day Year:

GENERATOR / TRANSPORTER / FACILITY

86082369

DHS 8022 A (11/85)
(EPA 8700—22)

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

State of California—Health and Welfare Agency

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722
Manifest Document No.: 12/12/8
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARDCHROME
11645 PENDLETON SUN VALLEY CA. 91352

4. Generator's Phone (818) 767 9650

A. State Manifest Document Number: 86082373

B. State Generator's ID

5. Transporter 1 Company Name: MARTIN IND. PUMPING INC
6. US EPA ID Number: CAD000628636

C. State Transporter's ID: 708894

D. Transporter's Phone: [illegible]

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CASMALIA RESOURCE MGT.
NTH ROAD
CASMALIA CA 93429
10. US EPA ID Number: CAD020748125

G. State Facility's ID

H. Facility's Phone: (805) 937-5449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID/N.O.S./ORM-E UN 9189	07	DF	1 3/4	Y	171 F006
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. METAL SLUDGE FROM TANK BOTTOM WASTE OF ELECTRO PLATING PROCESS.

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
GLOVES, GOGGLES.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: ERIK JOHNSON
Signature: [signature]
Month Day Year: 12/12/86

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: EDWARD G. McKEE
Signature: [signature]
Month Day Year: 12/12/86

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name
Signature
Month Day Year

GENERATOR

TRANSPORTER

FACILITY

86082373

DHS 8022 A (11/85)
(EPA 8700—22)

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

State of California—Health and Welfare Agency

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008319217217
Manifest Document No.: 104618
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARD CHROME
11645 PENDLETON SUNVALLEY, CA 91352

4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 86082627

B. State Generator's ID:

5. Transporter 1 Company Name: MARTIN IND. PUMPING INC.
6. US EPA ID Number: CAD000162816
C. State Transporter's ID: 708539
D. Transporter's Phone: 251-3737

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
CASMALIA RESOURCES
NTU RD. CASMALIA, 93429
10. US EPA ID Number: CAD020748126
G. State Facility's ID:
H. Facility's Phone: (805) 937-8449

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID NOS / ORM-E / NA 9189	026	DM	6 1/2	Y	181 D007
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
FILTER CARTRIDGE, PAPER, CONTAMINATED W/ HEAVY METALS, CHROME, NICKEL ETC.

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name	Signature	Month Day Year
ERIK DAHNSON	[signature]	04 12 1987

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
CARL M. POLP	[signature]	04 12 1987

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
ERIK DAHNSON	[signature]	04 12 1987

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year

GENERATOR

TRANSPORTER

FACILITY

86082627

DHS 8022 A (11/85)
(EPA 8700—22)

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 | Manifest Document No.:
2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARD CHROME INC.
11645 PENDLETON STREET, SUN VALLEY, CA. 91352
4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 90264733
B. State Generator's ID: HSHD3690969119
C. State Transporter's ID: 11969
D. Transporter's Phone: 213 776-6233

5. Transporter 1 Company Name: RITO-CHEM CORP.
6. US EPA ID Number: CAD006364432
7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
RITO-CHEM CORP.
425 ISIS AVE INGLEWOOD, CAL 91301
CAD009836443 2
10. US EPA ID Number
G. State Facility's ID: CAD009836443 2
H. Facility's Phone: 213 776-6233

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE, PERCHLORETHYLENE ORM-A UN 1897	001	2D	M001	190 G	State 211 / EPA/Other F001
b. WASTE, 1,1,1-TRICHLOROETHANE ORM-A UN 2831	001	2D	M001	190 G	State 211 / EPA/Other F001
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
A - Profile No. 0682
B - Profile No. 0683

K. Handling Codes for Wastes Listed Above
a. 01 b. 01
c. d.

15. Special Handling Instructions and Additional Information
TOXIC LIQUID, USE GLOVES AND [redacted] GOGGLES, USE S.C.B.A. FOR A SPILL.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Arthur Falk	Arthur Falk	04	19	91

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
JOHN THERIS JR (4)	[signature]	04	19	91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Tony Gaeta	[signature]	04	19	91

Do Not Write Below This Line

0036 .0057

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

90264733

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 — Manifest Document No.: 220942
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: DIXON HARDCHROME, 11645 PENDLETON ST. - SUN VALLEY, CA 91352
4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 90322042
B. State Generator's ID: HSHQ36-006910

5. Transporter 1 Company Name: MARTIN IND. PUMPING, INC.
6. US EPA ID Number: CAD000628636
C. State Transporter's ID: 216-492
D. Transporter's Phone: (805) 251-3737

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address: WORLD RESOURSES, 8113 W. SHERMAN AVE., PHOENIX, AZ. 85043
10. US EPA ID Number: AZD980785500
G. State Facility's ID: AZD980785500
H. Facility's Phone: (602) 233-9166.

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ HAZARDOUS WASTE SOLID, N.O.S. (F006) ORM-E, NA 9189	001	CM	000012	Y	State 171; EPA/Other F006
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above: 11a) METAL HYDROXIDE FILTER CAKE.

K. Handling Codes for Wastes Listed Above: a. 01; b.; c.; d.

15. Special Handling Instructions and Additional Information: WEARS GLOVES, GOGGLES, PROTECTIVE CLOTHING & APPROPRIATE RESPERATORY GEAR. E.R. GUIDE PAGE #31/24 HOUR EMERGENCY CONTACT # 1-800-424-9300.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Arthur Falk — Signature: Arthur Falk — Month Day Year: 09 23 91

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: STEVE DOWNING — Signature: Steve Downing — Month Day Year: 09 23 91

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space
9) Should read Street not Avenue 13) 7.27 tons receind
10) Should read AZD980735500

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: RONALD L. SHARP — Signature: Ronald L. Sharp — Month Day Year: 09 24 91

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

90322042

DHS 8022.A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

0116.1591

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 — Manifest Document No.: 22334
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: DIXON HARDCHROME, 11645 PENDLETON ST, SUN VALLEY, CA 91352
4. Generator's Phone: 818 767-9650

A. State Manifest Document Number: 90322334
B. State Generator's ID: HSHQ3600069110
C. State Transporter's ID: 216-492
D. Transporter's Phone: 805-251-3737
E. State Transporter's ID:
F. Transporter's Phone:

5. Transporter 1 Company Name: MARTIN INDUSTRIAL PUMPING
6. US EPA ID Number: CAD000628636
7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address: WORLD RESOURCES, 8113 W. SHERMAN AVE, PHOENIX, AZ 85043
10. US EPA ID Number: AZD980785500

G. State Facility's ID: AZD980785500
H. Facility's Phone: 602-233-9166

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	001	CM	00012	Y	State 171; EPA/Other F006
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above: METAL HYROXIDE FILTER CAKE

K. Handling Codes for Wastes Listed Above: a. ~~0+~~ b. c. d.

15. Special Handling Instructions and Additional Information: 24HR EMERGENCY CONTACT (805) 251-3737
APPROPRIATE RESPIRATOR, CLOVES AND PROTECTIVE CLOTHING

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Arthur Falk — Signature: Arthur Falk — Month Day Year: 11 01 91

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: STEVE DOWNING — Signature: Steve Downing — Month Day Year: 11 01 91

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space
10) SHOULD READ AZD980735500
9) SHOLD READ STREET NOT AVE
11A) correction not initialled
13) 8.96 tons received
KA) Should read 01 not 04

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ronald L. Sharp — Signature: Ronald L. Sharp — Month Day Year: 11 04 91

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

90322334

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

ON TRUCK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 — Manifest Document No.: 24527

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: DIXON HARDCHROME, 11645 PENDLETON ST SUN VALLEY CA 91352

4. Generator's Phone: (818) 767-9650

A. State Manifest Document Number: 90424527

B. State Generator's ID: HSHQ36-006910

5. Transporter 1 Company Name: MARTIN IND PUMPING

6. US EPA ID Number: CAD000628636

C. State Transporter's ID: 111524

D. Transporter's Phone: 805-251-3737

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: WORLD RESOURCES, 8113 W. SHERMAN AVE, PHOENIX AZ 85043

10. US EPA ID Number: AZD980785500

G. State Facility's ID:

H. Facility's Phone: (602) 233-9166

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ HAZARDOUS WASTE SOLID N.O.S ORM-E NA9189 (F006 #1)	001	CM	00009	Y	State 171; EPA/Other F006
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above: 11A) METAL HYDROXIDS FILTER CAKE FROM PLATING OPERATION 24 HR EMERGENCY #(805) 251-3737 EGR GUIDE Pg 31

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information: GLOVES, GOGGLES, DUST MASK!

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Arthur Falk — Signature: Arthur Falk — Month Day Year: 05 16 91

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: ROY A STEED — Signature: Roy A Steed — Month Day Year: 05 16 91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space: 10. AZD980735500 13. Total of 8.12 Total Tons

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: RONALD L. SHARP — Signature: Ronald L. Sharp — Month Day Year: 05 17 91

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

90424527

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

0019.0030

ON #11 41,670

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
CAD008392722	2417618		

3. Generator's Name and Mailing Address
DIXON HARDCHROME
11645 PENDLETON ST. - SUN VALLEY, CA. 91352

4. Generator's Phone (818) 767-9650

A. State Manifest Document Number 90424768

B. State Generator's ID HSHQ136-100691/10

C. State Transporter's ID 111524

D. Transporter's Phone (805) 251-3737.

E. State Transporter's ID

F. Transporter's Phone

5. Transporter 1 Company Name MARTIN IND. PUMPING, INC.

6. US EPA ID Number CAD000162636

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
WORLD RESOURSES
8113 W. SHERMAN AVE.
PHOENIX, ARIZONA. 85043

10. US EPA ID Number AZD980731550

G. State Facility's ID AZD980731650

H. Facility's Phone (602) 233-9166.

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ HAZARDOUS WASTE SOLID, N.O.S. (F006) ORM-E, NA 9189 (RQ = 10LBS).	001	CM	00012	Y	State 171 / EPA/Other F006
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
11a). METAL HYDROXIDE FILTER CAKE FROM PLATING OPERATION.

K. Handling Codes for Wastes Listed Above
a. 01 b. c. d.

15. Special Handling Instructions and Additional Information
WEARS GLOVES, GOGGLES, PROTECTIVE CLOTHING & APPROPRIATE RESPERATORY GEAR.

E.R. GUIDE PAGE # 31 / 24 HOUR EMERGENCY CONTACT # (800) 424-9300.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Arthur Falk	Arthur Falk	07	17	91

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
ROY A STEED	R A Steed	07	17	91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space
2) Should Read page 1 of 1
3) 7.23 tons Received
a) Should Read CO. d STREET

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
RONALD E. SHARP	Ronald E Sharp	07	18	91

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

90424768

DHS 8022 A
EPA 8700-22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

0000 0000 0272 0095

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 — Manifest Document No.: 90771

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARD CHROME
11645 Pendleton Street Sun Valley, CA 91352

4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 90779871

B. State Generator's ID: HSH036006910

5. Transporter 1 Company Name: MARTIN INDUSTRIAL — 6. US EPA ID Number: CAD000628636

C. State Transporter's ID: 216492

D. Transporter's Phone: 805-251-3737

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
World Resources Company
8113 West Sherman Street
Phoenix, Arizona 85043

10. US EPA ID Number: AZD980735500

G. State Facility's ID

H. Facility's Phone: (602) 233-9166

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. HAZARDOUS WASTE SOLID, N.O.S. ORM-E, NA9189 (F006)	001	CM	00012	Y	State 171 / EPA/Other F006
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above
a. 01 b.
c. d.

15. Special Handling Instructions and Additional Information
*** 24 HOUR EMERGENCY RESPONSE: 1-(800) 424-9300 CHEMTREC***
WEAR GLOVES AND GOGGLES

16.
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Jaime Lopez — Signature: Jaime Lopez — Month Day Year: 05 06 92

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Jack Stallcup — Signature: Jack Stallcup — Month Day Year: 05 06 92

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space
#1. Manifest document no. should be 5 digits.

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ronald L. Sharp — Signature: Ronald L. Sharp — Month Day Year: 05 07 92

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

90779871

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Health and Welfare Agency

See instructions on back of page 6.

Department of Health Services
Toxic Substances Control Program
Sacramento, California

Please print or type. *Form designed for use on elite (12-pitch typewriter).*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD008392722 — Manifest Document No. 91598848 — 2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
PIXON HARD CHROME INC.
11645 PENDLETON STREET, SUN VALLEY, CA. 91352

4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 91598848

B. State Generator's ID: H SH036010691 0

5. Transporter 1 Company Name: RHO-CHEM CORP.

6. US EPA ID Number: CAD008364432

C. State Transporter's ID: [illegible] 11462

D. Transporter's Phone: 213 776-6233

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
RHO-CHEM CORP. 91301
425 ISIS AVE INGLEWOOD, CA

10. US EPA ID Number: CAD008364432

G. State Facility's ID: CAD008364432

H. Facility's Phone: 213 776-6233

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. WASTE ORM-A LIQUID 1,1,1 TRICHLOROETHANE	002	DM	100	G	State 211 / EPA/Other F001
b. (RQ) WASTE ORM-A LIQUID PERCHLOROETHYLENE NA-1693	002	DM	100	G	State 211 / EPA/Other F001
c. WASTE COMBUSTABLE LIQUID PETROLEUM NAPTHA UN-F193	001	DM	50	G	State 213 / EPA/Other D001
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
A— Profile No. 142930
B— Profile No. 142932
C— Profile No. 142931

K. Handling Codes for Wastes Listed Above
a. 01 b. 01
c. 01 d.

15. Special Handling Instructions and Additional Information
TOXIC LIQUID. USE GLOVES AND GOGGLES. USE SC.BA. FOR A SPILL 818-767-9650

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Arthur Falk	Arthur Falk	10	25	91

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Brian Morrison 61828	Brian Morrison	10	25	91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Month	Day	Year
Tony Gaeta	Tony Gaeta	10	25	91

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

91598848

DHS 8022A (12/90)
EPA 8700—22

[illegible] 1086 0029

White: TSDF SENDS THIS COPY TO DHS WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Health and Welfare Agency

See Instructions on back of page 6.

Department of Health Services
Toxic Substances Control Program
Sacramento, California

Please print or type. *Form designed for use on elite (12-pitch typewriter).*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722
Manifest Document No.:
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Dixon Hard Chrome, Inc. 11645 Pendleton Street Sun Valley, Ca. 91352
4. Generator's Phone (818) 767-9650
A. State Manifest Document Number: 91598856
B. State Generator's ID: H SHQ360069 10
5. Transporter 1 Company Name: Rho-Chem Corp.
6. US EPA ID Number: CAD008364432
C. State Transporter's ID: 216229
D. Transporter's Phone: 213 776-6233
7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:
9. Designated Facility Name and Site Address: Rho-Chem Corp. 91301 425 Isis Ave., Inglewood
10. US EPA ID Number: CAD008364432
G. State Facility's ID: CAD008364432
H. Facility's Phone: 213 776-6233

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. (RQ) Waste ORM-A Liquid, N.O.S., (Perchloroethylene) NA 1693	001	DM	00050	G	State 211 EPA/Other F-001
b. Waste, ORM-A Liquid, N.O.S., (1,1,1 Trichloroethane) ~~UN 2831~~ NA 1693	001	DM	00050	G	State 211 EPA/Other F-001
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
A- Profile No. 142932
b- Profile No. 142930

K. Handling Codes for Wastes Listed Above
a. 01 b. 01
c. d.

15. Special Handling Instructions and Additional Information
Emergency Response No. (818) 767-9650

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Arthur Falk	Arthur Falk	07 17 92

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
RANDY SMALLS (2)	Randy Smalls	07 17 92

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Month Day Year
Tony Gaeta	Tony Gaeta	07 17 92

GENERATOR / TRANSPORTER / FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

91598856

DO NOT WRITE BELOW THIS LINE.

DHS 8022A (12/90)
EPA 8700—22

White: TSDF SENDS THIS COPY TO DHS WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

0281.0088

State of California—Health and Welfare Agency

Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on back of page 6.

Department of Health Services
Toxic Substances Control Program
Sacramento, California

91599013

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD008392722 | Manifest Document No. 9910113 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARDCHROME - 11645 PENDLETON STREET
SUN VALLEY, CA 91352

4. Generator's Phone (818) 767-9650

A. State Manifest Document Number 91599013

B. State Generator's ID HSHQ3600691O

C. State Transporter's ID 216492

D. Transporter's Phone (805) 251-3137

5. Transporter 1 Company Name: MARTIN IND. PUMPING, INC.

6. US EPA ID Number: CAD010628636

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
WORLD RESOURCES, CO.
8113 W. SHERMAN AVE.
PHOENIX, AZ. 85043

10. US EPA ID Number: AZD980735100

G. State Facility's ID AZD980735100

H. Facility's Phone (602) 233-9166

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. RQ HAZARDOUS WASTE SOLID, N.O.S. (F006) ORM-E, NA# 9189	001	CM	00013	Y	State 171 EPA/Other F006
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
11a). METAL HYDROXIDE FILTER CAKE FROM PLATING OPERATION.

K. Handling Codes for Wastes Listed Above
a. 01 b. c. d.

15. Special Handling Instructions and Additional Information
WEARS GLOVES, GOGGLES, PROTECTIVE CLOTHING & APPROPRIATE RESPERATORY GEAR.

E.R. GUIDE PAGE # 31 / 24 HOUR EMERGENCY CONTACT # (818) 767-9650.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
Jaime Lopez	Jaime Lopez	12	16	91

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
ARMANDO RIVERA	Armando Rivera	12	16	91

TRANSPORTER

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space
13) 9.02 tons received

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Month	Day	Year
Ronald L. Sharp	Ronald L. Sharp	12	18	91

DO NOT WRITE BELOW THIS LINE.

DHS 8022A (12/90)
EPA 8700—22

White: TSDF SENDS THIS COPY TO DHS WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

Dixi

State of California—Health and Welfare Agency

See Instructions on back of page 6.

Department of Health Services
Toxic Substances Control Program
Sacramento, California

Please print or type. *Form designed for use on elite (12-pitch typewriter).*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 010 839 272 | Manifest Document No. 010 164 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARDCHROME. - 11645 PENDLETON ST. - SUN VALLEY, CA. 91352

4. Generator's Phone (818) 767-9650.

A. State Manifest Document Number: 91600164

B. State Generator's ID: HSHQ36 00691 0

5. Transporter 1 Company Name: MARTIN IND. PUMPING, INC.

6. US EPA ID Number: CAD 010 062 863 6

C. State Transporter's ID: 210520

D. Transporter's Phone: (805) 251-3737

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
WORLD RESOURCES
8113 W. SHERMAN AVE.
PHOENIX, AZ. 85043.

10. US EPA ID Number: AZD 981 073 515 100

G. State Facility's ID: AZD 981 073 515 100

H. Facility's Phone: (602) 233-9166

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. "RQ" HAZARDOUS WASTE SOLID, N.O.S. (F006) ORM-E, NA# 9189.	001	CM	00018	Y	State 171 / EPA/Other F006.
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
11a). METAL HYDROXIDE FILTER CAKE FROM PLATING OPERATION.

K. Handling Codes for Wastes Listed Above
a. 01 | b. | c. | d.

15. Special Handling Instructions and Additional Information
WEARS GLOVES, GOGGLES, PROTECTIVE CLOTHING & APPROPRIATE RESPERATORY GEAR.
D.O.T. EMERGENCY RESPONSE GUIDE PAGE #31.
24 HOUR EMERGENCY CONTACT # 1-800-424-9300.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
Arthur Falk	Arthur Falk	03	11	92

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Roy A STEED	R. A Steed	03	11	92

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space
B. Received 10.28 tons

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Month	Day	Year
RICHARD L BELLAMY	Richard L Bellamy	03	16	92

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

91600164

DHS 8022A (12/90)
EPA 8700—22

White: TSDF SENDS THIS COPY TO DHS WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

3375-0339

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

92163963

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 — Manifest Document No.: 63963
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: DIXON HARDCHROME, 11645 PENDLETON ST.-SUN VALLEY, CA 91352
4. Generator's Phone: (818) 767-9650.

A. State Manifest Document Number: 92163963
B. State Generator's ID: HSH036-006910
C. State Transporter's ID: 216492
D. Transporter's Phone: (805) 251-3737
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: AZD980735500
H. Facility's Phone: (602) 233-9166

5. Transporter 1 Company Name: MARTIN IND. PUMPING, INC.
6. US EPA ID Number: CAD000628636
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address: WORLD RESOURCES, 8113 W. SHERMAN AVE., PHOENIX, ARIZONA. 85043.
10. US EPA ID Number: AZD980735500

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. "RQ" HAZARDOUS WASTE SOLID, N.O.S. (F006) ORM-E, NA#9189.	001	CM	00012	Y	State 171; EPA/Other F006
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above: 11a) METAL HYDROXIDE FILTER CAKE FROM PLATING OPERATION.

K. Handling Codes for Wastes Listed Above: a. 01; b.; c.; d.

15. Special Handling Instructions and Additional Information: WEARS GLOVES, GOGGLES, PROTECTIVE CLOTHING & APPROPRIATE RESPERATORY GEAR. D.O.T. EMERGENCY RESPONSE GUIDE PAGE # 31. 24 HOUR EMERGENCY CONTACT # (800) 424-9300.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Arthur Falk — Signature: Arthur Falk — Month 06 Day 29 Year 92

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: ROY A STEED — Signature: R. A Steed — Month 06 Day 29 Year 92

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: RONALD L. SHARP — Signature: Ronald L. Sharp — Month 06 Day 30 Year 92

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (12/91)
EPA 8700—22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

41620 TRK#11

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

92164773

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 — Manifest Document No.: 64773
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARDCHROME
11645 PENDLETON ST. - SUN VALLEY, CA 91352
4. Generator's Phone (818) 767-9650.

A. State Manifest Document Number: 92164773
B. State Generator's ID: HSHQ36-006910
C. State Transporter's ID: 314796
D. Transporter's Phone: (805) 251-3737
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID:
H. Facility's Phone:

5. Transporter 1 Company Name: MARTIN IND. PUMPING, INC.
6. US EPA ID Number: CAD000628636
7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
WORLD RESOURCES
8113 W. SHERMAN AVE.
PHOENIX, AZ 85043
10. US EPA ID Number: AZD980735500

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. "RQ" HAZARDOUS WASTE SOLID, N.O.S. (F006) ORM-E, NA#9189.	001	CM	00012	Y	State 171 / EPA/Other F006
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
11a) METAL HYDROXIDE FILTER CAKE FROM PLATING OPERATION.

K. Handling Codes for Wastes Listed Above
a. 01
b.
c.
d.

15. Special Handling Instructions and Additional Information
WEARS GLOVES, GOGGLES, PROTECTIVE CLOTHING & APPROPRIATE RESPERATORY GEAR.
D.O.T. EMERGENCY RESPONSE GUIDE PAGE #31.
24 HOUR EMERGENCY CONTACT # (800) 424-9300.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Arthur Falk	Arthur Falk	10 26 92

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
RONNIE REINA	Ronnie Reina	10 26 92

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Discrepancy Indication Space
#16 & 17 Need to initial correction to the date.

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
NATividad DIAZ	Natividad Diaz	10 08 92

DO NOT WRITE BELOW THIS LINE.

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

DTSC 8022A (12/91)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 — Manifest Document No.: RCOA16 — 2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARD CHROME
11645 PENDLETON STREET, SUN VALLEY, CA 91352
818 767-9650

4. Generator's Phone ( )

A. State Manifest Document Number: 92236046
B. State Generator's ID:

5. Transporter 1 Company Name: RHO-CHEM CORPORATION
6. US EPA ID Number: CAD008364432
C. State Transporter's ID: 323350
D. Transporter's Phone: (213)776-6233

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID: ( ) -
F. Transporter's Phone:

9. Designated Facility Name and Site Address
RHO-CHEM CORPORATION, 425 ISIS AVE.
INGLEWOOD, CA 90301
10. US EPA ID Number: CAD008364432
G. State Facility's ID: CAD008364432
H. Facility's Phone: (213)776-6233

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. RQ, WASTE NAPHTHA SOLUTION, 3, UN1255, PGII (D001) (ERG#27)	002	D M	00100	G	State 213 EPA/Other D001
b. RQ, WASTE TETRACHLOROETHYLENE SOLUTION, 6.1, UN1897, PGIII (ERG#74)	003	D M	00150	G	State 2117741 EPA/Other F001
c. RQ, WASTE HALOGENATED IRRITATING LIQUIDS, N.O.S. (1,1,1-TRICHLOROETHANE, TETRACHLOROETHYLENE), 6.1, UN1610, PGIII (ERG#58)	001	D M	00050	G	State 2117741 EPA/Other F001
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
11A. PROFILE#142931: PETROLEUM HYDROCARBONS 5-60%, WAX 0-10%, WATER 2-3%, METAL FINES 0-10%. 11B. PROFILE#142932 TETRACHLOROETHYLENE 85-96%, WAX 1-10%. 11C. PROFILE#142930 1,1,1-TRICHLOROETHANE 85-95%, TETRACHLOROETHYLENE 0-10%

K. Handling Codes for Wastes Listed Above
a. 15-01 b. 01 c. 01 d.

15. Special Handling Instructions and Additional Information
WEAR APPROPRIATE PROTECTIVE GEAR WHEN HANDLING. CONTACT: ART FALK
24 HOUR EMERGENCY CONTACT: ART FALK 818-767-9650.
P/U DATE 10-21-93 HRS: 7-3:30/L:OPEN CUST.# 411800 PO#1474

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Arthur Falk	Arthur Falk	10	21	93

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
RAMON GRAY (6)	Ramon Gray	10	21	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
ROBERT FERRAS	Robert Ferras	10	21	93

DO NOT WRITE BELOW THIS LINE.

0.0647.0895 White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

DTSC 8022A (12/91)
EPA 8700—22

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7550

92236046

GENERATOR

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

92236597

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722
Manifest Document No.: RC597
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
DIXON HARD CHROME
11645 PENDLETON STREET, SUN VALLEY, CA 91352
818 767-9650

4. Generator's Phone ( )

A. State Manifest Document Number: 92236597
B. State Generator's ID:

5. Transporter 1 Company Name: RHO-CHEM CORPORATION
6. US EPA ID Number: CAD008364432
C. State Transporter's ID: 322233
D. Transporter's Phone: (213)776-6233

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID: ( ) -
F. Transporter's Phone:

9. Designated Facility Name and Site Address
RHO-CHEM CORPORATION, 425 ISIS AVE.
INGLEWOOD, CA 90301
10. US EPA ID Number: CAD008364432
G. State Facility's ID: CAD008364432
H. Facility's Phone: (213)776-6233

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. RQ, WASTE ORM-A (PERCHLOROETHYLENE), ORM-A, NA1693 (ERG#58)	004	DM	00200	G	State 211 / EPA/Other F001
b. WASTE COMBUSTIBLE LIQUID (PETROLEUM NAPHTHA), COMBUSTIBLE LIQUID, UN1255 (ERG#27)	002	DM	00100	G	State 213 / EPA/Other D001
c. WASTE ORM-A, (1,1,1-TRICHLOROETHANE), ORM-A, UN2831 (ERG#74)	002	DM	00100	G	State 211 / EPA/Other F001
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
11A. PROFILE#142932: PERCHLOROETHYLENE 85-96%, WAX 1%, WATER 1-2%, METAL FINES 1%. 11B. PROFILE#142931: WATER 2-3%, PETROLEUM HYDROCARBON 50-60%, METAL FINES 0-10%. 11C. PROFILE#142930: 1,1,1-TRICHLOROETHANE 85-95%.

K. Handling Codes for Wastes Listed Above
a. 01 b. 01
c. 01 d.

15. Special Handling Instructions and Additional Information
WEAR APPROPRIATE PROTECTIVE GEAR WHEN HANDLING. P/U DATE 2/3/93
24 HOUR EMERGENCY CONTACT: ART FALK 818-767-9650 P.O.# 1416
CUST.# 411800

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Jaime Lopez
Signature: Jaime Lopez
Month Day Year: 02 03 93

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: RAMON Gray (8)
Signature: Ramon Gray
Month Day Year: 02 03 93

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Tony Gaeta
Signature: Tony Gaeta
Month Day Year: 02 03 93

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (12/91)
EPA 8700—22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

9.0705.1580

3RD notch back #6 Full of Fuel ST12940-DR.34660

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 — Manifest Document No.: 28287
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARDCHROME
11645 PENDLETON ST. - SUN VALLEY, CA 91352

4. Generator's Phone (818) 767-9650.

5. Transporter 1 Company Name: MARTIN IND. PUMPING, INC.
6. US EPA ID Number: CAD000628636

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
WORLD RESOURCES
8113 W. SHERMAN AVE.
PHOENIX, AZ.

10. US EPA ID Number: AZD980735500

92428287

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste Number
a. "RQ" HAZARDOUS WASTE SOLID, N.O.S. (F006) ORM-E, NA #9189	001	CM	00010	Y	State 171 EPA/Other F006
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

11. Additional Descriptions for Materials Listed Above
Na METAL HYDROXIDE FILTER CAKE

K. Handling Codes for Wastes Listed Above
a. D1 b. c. d.

15. Special Handling Instructions and Additional Information
WEARS APPROPRIATE PROTECTIVE CLOTHING & RESPERATORY GEAR.
D.C.T. EMERGENCY RESPONSE GUIDE PAGE #31.
24 HOUR EMERGENCY CONTACT #(800) 424-9300.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Arthur Falk	Arthur Falk	02	18	93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Brian Beam	Brian Beam	02	18	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space
#9 Zip code is missing.

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
NATIVIDAD DIAZ	Natividad Diaz	02	25	93

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

92428287

DO NOT WRITE BELOW THIS LINE.

0.0027.0523

DTSC 8022A (7/92)
EPA 8700—22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
CAD008392722	716648		

3. Generator's Name and Mailing Address
DIXON HARD CHROME
11645 Pendleton Street Sun Valley, CA 91352

4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 92476648

B. State Generator's ID: HSHQ36-00691.0

5. Transporter 1 Company Name: Martin Industrial Pumping
6. US EPA ID Number: CAD000628636

C. State Transporter's ID: 1165.01

D. Transporter's Phone: (805) 251-3737

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
World Resources Company
8113 West Sherman Street
Phoenix, Arizona 85043
10. US EPA ID Number: AZD980731550

G. State Facility's ID

H. Facility's Phone: (602) 233-9166

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. R.Q. Hazardous waste solid, n.o.s., (F006), ORM-E, NA9189	001	CM	00018	Y	State 171 EPA/Other F006
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
Metal Hydroxide Filter Cake from Plating Operation.

K. Handling Codes for Wastes Listed Above
a. 01 b. c. d.

15. Special Handling Instructions and Additional Information

*** 24 HOUR EMERGENCY RESPONSE: 1-(800) 424-9300 CHEMTREC***
WEAR GLOVES AND GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Arthur Falk	Arthur Falk	08	30	93

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
ROY A STEED	R. A Steed	08	30	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
NATIVIDAD DIAZ	Natividad Diaz	08	31	93

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7550

92476648

D-0108-0601

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

DTSC 8022A (7/92)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 — Manifest Document No.: 76649
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARD CHROME
11645 Pendleton Street Sun Valley, CA 91352

4. Generator's Phone (818 767-9650

A. State Manifest Document Number: 92476649

B. State Generator's ID: HSHQ36-006910

5. Transporter 1 Company Name: Martin Industrial Pumping
6. US EPA ID Number: CAD000628636

C. State Transporter's ID: 314796

D. Transporter's Phone: (805) 251-3737

7. Transporter 2 Company Name:
8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
World Resources Company
8113 West Sherman Street
Phoenix, Arizona 85043

10. US EPA ID Number: AZD980735500

G. State Facility's ID:

H. Facility's Phone: (602) 233-9166

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. R.Q. Hazardous waste solid, n.o.s., (F006), ORM-E, NA9189	001	CM	00020	Y	State 171; EPA/Other F006
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a). Metal Hydroxide Filter Cake from Plating Operation.

K. Handling Codes for Wastes Listed Above
a. 01
b.
c.
d.

15. Special Handling Instructions and Additional Information

*** 24 HOUR EMERGENCY RESPONSE: 1-(800) 424-9300 CHEMTREC***
WEAR GLOVES AND GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Arthur Falk — Signature: Arthur Falk — Month 06 Day 29 Year 93

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Philip O'Connor — Signature: Philip O'Connor — Month 06 Day 29 Year 93

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: HAROLD E HENRY — Signature: Harold E Henry — Month 06 Day 30 Year 93

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (7/92)
EPA 8700-22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

92480877

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 — Manifest Document No.: 80877
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARDCHROME,
11645 PENDLETON ST. - SUN VALLEY, CA, 91352

4. Generator's Phone (818) 767-9650.

A. State Manifest Document Number: 92480877
B. State Generator's ID: HSHQ36-006910
C. State Transporter's ID: 24796
D. Transporter's Phone: (805) 251-3737.
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID:
H. Facility's Phone: (602) 233-9166.

5. Transporter 1 Company Name: MARTIN IND. PUMPING, INC.
6. US EPA ID Number: CAD000628636
7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
WORLD RESOURCES
8113 W. SHERMAN AVE.
PHOENIX, AZ. 85043.

10. US EPA ID Number: AZD980735500

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. "RQ" HAZARDOUS WASTE SOLID, N.O.S. (F006) ORM-E, NA #9189.	001	CM	00012	Y	State 171 / EPA/Other F006
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
11a) METAL HYDROXIDE FILTER CAKE.

K. Handling Codes for Wastes Listed Above
a. 01 b. c. d.

15. Special Handling Instructions and Additional Information
WEARS APPROPRIATE PROTECTIVE CLOTHING & RESPERATORY GEAR.
D.O.T. EMERGENCY RESPONSE GUIDE PAGE #31.
24 HOUR EMERGENCY CONTACT #(805) 251-3737.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Arthur Falk	Arthur Falk	11 10 92

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
ARMANDO RIVERA	Armando Rivera	11 10 92

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
NATIVIDAD DIAZ	Natividad Diaz	11 11 92

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (7/92)
EPA 8700—22

0 .0985 .0887

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

92741483

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 — Manifest Document No.: 41483
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARDCHROME
11645 PENDLETON ST. - SUN VALLEY, CA 91352

4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 92741483

B. State Generator's ID: HSHQ36-XX 392722

5. Transporter 1 Company Name: MARTIN INDUSTRIAL PUMPING, INC.
6. US EPA ID Number: CAD000628636

C. State Transporter's ID: 416501

D. Transporter's Phone: (805)287-3737

7. Transporter 2 Company Name:
8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
WORLD RESOURCES
8113 W. SHERMAN AVE.
PHOENIX, AZ 85043

10. US EPA ID Number: AZD980735500

G. State Facility's ID: AZD980735500

H. Facility's Phone: (602)233-9166

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. RQ, HAZARDOUS WASTE, SOLID, N.O.S. (F006) 9, NA 3077, PG III.	001	CM	00012	Y	State 171; EPA/Other F006
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a) METAL HYDROXIDE FILTER CAKE.

K. Handling Codes for Wastes Listed Above
a. 01 b.
c. d.

15. Special Handling Instructions and Additional Information
11a) ERG #31
24 HOUR EMERGENCY CONTACT: (800)424-9300 CHEMTREC (CODE WORR).
WEAR APPROPRIATE RESPIRATOR AND PROTECTIVE CLOTHING

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Arthur Falk — Signature: Arthur Falk — Month 01 Day 27 Year 94

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: ROY A STEED — Signature: Roy A Steed — Month 01 Day 27 Year 94

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: HAROLD E HENRY — Signature: Harold E Henry — Month 01 Day 28 Year 94

GENERATOR — TRANSPORTER — FACILITY

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (7/92)
EPA 8700—22

8.0051.2045

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

DIX #1 #20 5 SLOT BACK

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

92741741

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD008392722 — Manifest Document No. 41741 — 2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
DIXON HARD CHROME
11645 Pendleton St. Van Nuys, Ca. 91352
4. Generator's Phone ( )

A. State Manifest Document Number: 92741741
B. State Generator's ID: HSHQ36-006910

5. Transporter 1 Company Name: Martin IndustriaL Pumping, Inc.
6. US EPA ID Number: CAD000628636
C. State Transporter's ID: 416501
D. Transporter's Phone: 805-287-3737

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
World Resources Company
8113 West ShermAN St.
Phoenix, Az. 85043
10. US EPA ID Number: AZD980735500
G. State Facility's ID
H. Facility's Phone: 602-233-9166

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. R.Q. Hazardous Waste Solid, N.O.S., (F006), 9, NA3077, PG III	001	CM	00012	Y	State 171 EPA/Other F006
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
11a) Metal Hydroxide Filter Cake From Plating Operation

K. Handling Codes for Wastes Listed Above
a. 01 b.
c. d.

15. Special Handling Instructions and Additional Information
E.R. GUIDE PAGE #31 WEAR GLOVES AND GOGGLES
24 HOUR EMERGENCY RESPONSE: 800-424-9300 CHEMTREC

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Charles B. Jones — Signature: Charles B. Jones — Month 10 (12) Day 22 Year 93

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: ROY A STEED — Signature: Roy A Steed — Month 10 Day 29 Year 93

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space
#4 phone # is missing

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: NATIVIDAD DIAZ — Signature — Month 10 Day 28 Year 93

DO NOT WRITE BELOW THIS LINE.

8-0505-1043

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

DTSC 8022A (7/92)
EPA 8700---22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

93378593

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

CAD008392722 | 00210 | 1 of 1

GENERATOR

3. Generator's Name and Mailing Address
DIXON HARDCHROME
11645 PENDELTON ST.
SUN VALLEY, CA 91352-

4. Generator's Phone (818) 767-9650

5. Transporter 1 Company Name | 6. US EPA ID Number
MARTIN IND. PUMPING INC. | CAD000628636

7. Transporter 2 Company Name | 8. US EPA ID Number

9. Designated Facility Name and Site Address | 10. US EPA ID Number
NORRIS ENVIRONMENTAL
5215 S. BOYLE AVE.
LOS ANGELES, CA 90058- | CAD097030993

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. RQ HAZARDOUS WASTE LIQUID,N.O.S., Contains(CADMIUM, CHROMIUM), 9, NA3082, PG III (D007)	001	TT	00550	G
b.				
c.				
d.				

15. Special Handling Instructions and Additional Information
ERG #31
WEAR APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR
EMERGENCY PHONE : (818) 767-9650 EMERGENCY CONTACT : ART FALK

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Arthur Falk	Arthur Falk	03	14	94

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Theodore Meredith	Theodore Meredith	03	14	94

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Felita Batringaa	Felita Batringaa	03	14	94

DO NOT WRITE BELOW THIS LINE.

0.0737.2339

DTSC 8022A (7/92)
EPA 8700—22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722
Manifest Document No.:
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: DIXON HARD CHROME, 11645 PENDELTON ST SUN VALLEY CAL
4. Generator's Phone: 818 767-9650
A. State Manifest Document Number: 87204017
B. State Generator's ID: HSHQ360969119
C. State Transporter's ID: 810185
D. Transporter's Phone: 213/776-6233
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: CAD008364432
H. Facility's Phone: 213-776-6233

5. Transporter 1 Company Name: RHO CHEM CORP
6. US EPA ID Number: CAD008364432
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address: RHO CHEM CORP, 425 ISIS AVE. INGLEWOOD
10. US EPA ID Number: CAD008364432

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE ORM-A LIQUID NA 1693	002	DM	00~~020~~ 100	GAL	State 211; EPA/Other F002
b. WASTE COMBUSTIBLE LIQUID NOS-NA 1993	001	DM	00~~100~~ 20	GAL	State 214; EPA/Other D001
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
A-1 PERCHLORTHYLENE 90%
A-2 WAX. WATER, METAL FINES 10%
B-1 BASE OIL-C- 70%
B-2 MAG OIL, METAL FINES 30%

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
GLOVES AND GOGGLES TO BE WORN WHEN HANDLING HAZARDOUS WASTE.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERIK JOHNSON
Signature: [signature]
Month Day Year: 02 02 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JAY GUERRA (3)
Signature: Jay Guerra 47653
Month Day Year: 02 02 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name:
Signature:
Month Day Year:

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

INSTRUCTIONS ON THE BACK

...ns—Health and Welfare Agency
...30 OMB No. 2050—0039 (Expires 9-30-88)
...nt or type. (Form designed for use on elite (12-pitch typewriter).

30 # 1, 2 /

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A D 0 1 0 1 8 3 9 2 7 2 2 | Manifest Document No. 01 2 2 8 8 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARD CHROME
11645 PENDLETON STREET, SUN VALLEY, CA 91352
4. Generator's Phone (818) 767-9650

A. State Manifest Document Number 87204022
B. State Generator's ID
C. State Transporter's ID 8124740 / 8/10/88
D. Transporter's Phone 1-805-251-3737
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID C A T 0 0 0 6 4 6 1 1 7
H. Facility's Phone 1-209-386-9712

5. Transporter 1 Company Name: MARTIN INDUSTRIAL PUMPING | 6. US EPA ID Number: C A D 0 0 0 6 2 8 6 3 6
7. Transporter 2 Company Name | 8. US EPA ID Number

9. Designated Facility Name and Site Address: CHEMICAL WASTE MANAGEMENT, CATTLEMAN HILLS FACIL
35251 OLD SKYLINE RD. CATTLEMEN HILLS, CA
10. US EPA ID Number: C A T 0 0 0 6 4 6 1 1 7

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. 1 LB. HAZARDOUS WASTE SOLID N.O.S. (D007) CRM-E 9189 NA	0 1 6 0	D M	0 0 0 1 4	Y	State 171 / EPA/Other D007
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
METAL SLUDGE WITH FILTER CARTRIDGES AND FILTER PAPER CONTAMINATED WITH HEAVY METALS

THIS MANIFEST REPLACES #87204463

K. Handling Codes for Wastes Listed Above
a. | b. | c. | d.

15. Special Handling Instructions and Additional Information
RUBBER GLOVES AND GOGGLES TO BE WORN WHEN HANDLING HAZARDOUS WASTE

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
ERIK JOHNSON	Erik Johnson	10	12	88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
EDWARD G. MCKEE	Edward G. McKee	10	12	88

TRANSPORTER

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 — Manifest Document No.: 11187

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Dixon Hard Chrome Inc.
11645 Pendleton Street Sun Valley CA. 91352

4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 87204463

B. State Generator's ID: SHQ360069110

5. Transporter 1 Company Name: Martin Industrial Pumping — 6. US EPA ID Number: CAD000628636

C. State Transporter's ID: 804740/804741

D. Transporter's Phone: (805)251-3737

7. Transporter 2 Company Name — 8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
Casmalia Resources
NIU Rd. Casmalia, Ca. 93429

10. US EPA ID Number: CAD020748125

G. State Facility's ID: CAD020748125

H. Facility's Phone: (805)937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. 1 lb. Hazardous waste solid N.O.S. (D007) ORM-E 9189 NA	056	DM	00014	Y	State 171 / EPA/Other D007
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Metal sludge with filter cartridges and filter paper contaminated with heavy metals.

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
Rubber Gloves and goggles to be worn when handling hazardous waste

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERIK JOHNSON — Signature: [signature] — Month Day Year: 11 17 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: EDWARD G. McKEE — Signature: [signature] — Month Day Year: 11 17 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month Day Year

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

INSTRUCTIONS ON THE BACK

California—Health and Welfare Agency
Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: C A D 0 0 8 3 1 9 2 7 2 2 | Manifest Document No.: 1 0 1 9 8 8

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARD CHROME
11645 PENDLETON STREET SUN VALLEY, CA 91352

4. Generator's Phone (818 767-9650

A. State Manifest Document Number: 87204471

B. State Generator's ID: H S H 0 3 6 0 0 1 6 9 1 1 0 1

5. Transporter 1 Company Name: MARTIN, IND. PUMPING

6. US EPA ID Number: C A D 0 0 0 1 6 2 8 6 3 6

C. State Transporter's ID: 804597

D. Transporter's Phone: 805-251-3737

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
WORLD RESOURCES
8113 W. SHERMAN WAY STREET
PHOENIX, ARIZONA 85043

10. US EPA ID Number: A Z D 0 8 1 0 7 3 1 5 5 0 1 0

G. State Facility's ID

H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Hazardous Waste, Solid/N.O.S/ORM-E NA 9189 R.Q.1 lb.	0 0 1 1	CM	0 0 0 0 1 1 2	Y	State 171 EPA/Other T006
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Insoluble Metal Hydroxide Sludge (Dewatered)

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
Rubber gloves, goggles, and respirator to be worn when handling hazardous waste.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
ERIK JOHNSON	Erik Johnson	10	1	1988

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DAVID SUTHERLAND	D Sutherland	10	1	1988

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Month	Day	Year

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: C A D 0 0 8 3 9 2 7 2 2
Manifest Document No.: 1 0 2 5 8

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Dixon Hard Chrome Inc.
11645 Pendleton St., Sun Valley, CA 91352

4. Generator's Phone (818) 767-9550

A. State Manifest Document Number: 87204474

B. State Generator's ID: HS H 0 3 6 9 0 6 9 1 0

5. Transporter 1 Company Name: Rho-Chem CORP.
6. US EPA ID Number: C A D 0 0 8 3 6 4 4 3 2

C. State Transporter's ID: 709985

D. Transporter's Phone: 213-776-6233

7. Transporter 2 Company Name:
8. US EPA ID Number:

E. State Transporter's ID: [redacted]

F. Transporter's Phone:

9. Designated Facility Name and Site Address
Rho-Chem Corp.
425 Isis Ave., Inglewood CA. 90301
10. US EPA ID Number: C A D 0 0 8 3 6 4 4 3 2

G. State Facility's ID: C A D 0 0 8 3 6 4 4 3 2

H. Facility's Phone: 213-776-6233

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste ORM-A Liquid NOS UN 1693	0 0 1 0	M	0 0 0 5 3	G	State 211 / EPA/Other Fool
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
A-1 Perchlotyhylene 90%
A-2 Wax, Water, Metalfines 10%

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
Gloves and goggles to be worn when handling hazardous waste.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERIK JOHNSON
Signature: [signature]
Month Day Year: 10 2 7 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: GERALD RIES
Signature: [signature] (1) #39343
Month Day Year: 10 2 7 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name:
Signature:
Month Day Year:

GENERATOR / TRANSPORTER / FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 — Manifest Document No.: 62687

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Dixon Hard Chrome Inc.
11645 Pendelton St. Sun Valley Calif. 91352

4. Generator's Phone (818 767-9650

A. State Manifest Document Number: 87204829

B. State Generator's ID: HSHQ3600 6910

5. Transporter 1 Company Name: RHO-CHEM Corp.
6. US EPA ID Number: CAD008364432

C. State Transporter's ID: 769485

D. Transporter's Phone: (213) 777-6233

7. Transporter 2 Company Name:
8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
RHO-CHEM. Corp.
425 Isis Ave. Inglewood Calif. 90301
10. US EPA ID Number: CAD008364432

G. State Facility's ID: CAD008364432

H. Facility's Phone: (213) 776-6233

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste ORM-a Liquid NOS - NA 1693	003	DM	00140	G	State 211 / EPA/Other F002
b. Waste Combustible Liquid NOS - NA1993	002	DM	00040	G	State 221 / EPA/Other D001
c. Waste Orm-a liquid NOS - Na 1693	002	DM	00100	G	State 211 / EPA/Other F002
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
A1 Perchlortyhlene 90%
A2 Wax, Water, Metal fines 10%
B1 Base Oil -C- 70%
B2 Mag. oil, metal fines 30%
C1 Trichlorethane 1,1,1 90%
C2 wax, water, metal fines 10%

K. Handling Codes for Wastes Listed Above
a. 01
b. 07
c. 1-07 1-01
d.

15. Special Handling Instructions and Additional Information

Gloves, Goggles and Respirator to worn whrn handling toxic waste

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERIK JOHNSON — Signature: [signature] — Month Day Year: 06 26 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: KENNETH E. ATKINSON 45415 — Signature: [signature] — Month Day Year: 06 26 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Chet Earley — Signature: [signature] — Month Day Year: 06 26 87

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

WHITE/TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
Manifest Document No. 00002

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

4. Generator's Phone ( )

A. State Manifest Document Number: 87204832

B. State Generator's ID: HSH036006916

5. Transporter 1 Company Name
6. US EPA ID Number

C. State Transporter's ID: 70998

D. Transporter's Phone: 213-77[illegible]

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone: 213-776-6233

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.					State 211 / EPA/Other 5002
b.					State 21[illegible] / EPA/Other 5001
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above
a. b.
c. d.

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERIK JOHNSON
Signature: [signature]
Month Day Year: 09 09 87

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: GERALD [illegible]
Signature: [signature] #91352
Month Day Year: 09 09 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name
Signature
Month Day Year

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD00183927 22
Manifest Document No.: 92587

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARD CHROME
11645 PENDLETON STREET, SUN VALLEY, CA 91352

4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 87204834

B. State Generator's ID: HSH036006910

5. Transporter 1 Company Name: MARTIN IND. PUMPING

6. US EPA ID Number: CAD000628656

C. State Transporter's ID: 804597

D. Transporter's Phone: 805-251-3737

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
WOOLD RESOURCES
8113 W. SHERMAN WAY STREET
PHOENIX, ARIZONA 85043

10. US EPA ID Number: AZD980735500

G. State Facility's ID:

H. Facility's Phone: 602-233-9166

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID/N.O.S/ORM-E NA 9189 R.Q. 11b	001	CH	00012	Y	State 171 / EPA/Other F006
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Insoluble Metal Hydroxide Sludge (Dewatered)

K. Handling Codes for Wastes Listed Above
a. b.
c. d.

15. Special Handling Instructions and Additional Information
Rubber gloves, goggles, and respirator to be worn when handling hazardous waste

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERIK JOHNSON
Signature: [signature]
Month Day Year: 09 25 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DAVID [illegible]
Signature: [signature]
Month Day Year: 09 25 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name:
Signature:
Month Day Year:

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type (Form designed for use on elite (12-pitch typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 — Manifest Document No.: 00810
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: DIXON HARDCHROME, 11645 PENDLETON ST, SUN VALLEY, CA 91352
4. Generator's Phone (818) 767 7650

A. State Manifest Document Number: 87204956
B. State Generator's ID:

5. Transporter 1 Company Name: MARTIN IND. PUMPING
6. US EPA ID Number: CAD000628636
C. State Transporter's ID: 20892
D. Transporter's Phone: 805-251-3737

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address: WORLD RESOURCES, 8113 W. SHERMAN AVE. PHOENIX, AZ 85043
10. US EPA ID Number: AZD980735500
G. State Facility's ID:
H. Facility's Phone: 602-233-9166

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID/N.O.S./ORM-E NA 9189	001	CM	00012	Y	State 181 / EPA/Other 0000
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: METAL HYDROXIDE SLUDE

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Charles B. Jones — Signature: Charles B. Jones — Month Day Year: 05 14 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: CARL M. POPP — Signature: [signature] — Month Day Year: 05 14 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space
13. 7.88 tons

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: ALLEN J. MOSER — Signature: [signature] — Month Day Year: 05 14 87

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

IN 2:10pm
OUT 2:25pm

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: C|A|D|0|0|8|3|9|1|2|7|1|2|1 — Manifest Document No.: 7|1|0|7|1|8
2. Page 1 of — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARD CHROME
11645 Pendleton St., Sun Valley, CA 91352
4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 87442050
B. State Generator's ID: H|S|H|0|3|6|0|0|6|9|1|0|
C. State Transporter's ID: 810882
D. Transporter's Phone: 588-9214
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID:
H. Facility's Phone: 588-9214

5. Transporter 1 Company Name: GOLD SHIELD SOLVENT
6. US EPA ID Number: C|A|D|0|1|2|0|1|6|1|7|6|1|2
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address: DETREX CHEMICALS, 3027 Fruitland Ave., Los Angeles, CA 90058
10. US EPA ID Number: C|A|D|0|1|2|0|1|7|6|1|6|1|2

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE, 1,1,1-TRICHLOROETHANE ORM-A,UN 2831	1	DM	50		State 211 / EPA/Other F001
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
1,1,1-Trichloroethane/Ind. oils 0 to 100%

K. Handling Codes for Wastes Listed Above
a. 01 b.
c. d.

15. Special Handling Instructions and Additional Information
TOXIC LIQUID, USE GLOVES AND GOGGLES. MUSE S.C.B.A. FOR SPILLS.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
DIXON/ ARTHUR FALK	Arthur Falk	0	5	1 0 8 8

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
GOLD SHIELD/ BOB KLINE	Bob	0	5	1 0 8 8

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
X ARTHUR FALK AF.				

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722
Manifest Document No.: 4 1 0 9

2. Page 1 of

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARD CHROME
11645 Pendleton St., Sun Valley, CA 91352

4. Generator's Phone (818 767-9650

A. State Manifest Document Number: 87442051

B. State Generator's ID: HSH036006910

5. Transporter 1 Company Name: GOLD SHIELD SOLVENTS

6. US EPA ID Number: CAD020161642

C. State Transporter's ID: 810882

D. Transporter's Phone: 588-9214

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
DETREX CHEMICALS
3027 Fruitland Ave.
Los Angeles, CA 90058

10. US EPA ID Number: CAD020161642

G. State Facility's ID:

H. Facility's Phone: 588-9214

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE, PERCHLOROETHYLENE ORM-A UN 1897	1	DM	50		State: 211 EPA/Other: F001
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

J. Additional Descriptions for Materials Listed Above
perbhloroethylene/Ind. dls 0 to 100%

K. Handling Codes for Wastes Listed Above
a. 01
b.
c.
d.

15. Special Handling Instructions and Additional Information
TOXIC LIQUID, BBE GLOVES AND GOGGLES, USE S.C.B.A. FOR SPILLS.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: DIXON/ X ARTHUR FALK
Signature: X Arthur Falk
Month Day Year: 05 10 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: GOLD SHIELD/ BOB KLINE
Signature: Bob
Month Day Year: 05 10 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name:
Signature:
Month Day Year:

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A D 0 0 8 3 9 2 7 2 2 9 5 Manifest Document No. 1 4 8
2. Page 1 of — Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
DIXON HARD CHROME
11645 PENDLETON STREET
SUN VALLEY, CALIFORNIA, 91352
4. Generator's Phone (818) 767-9650

A. State Manifest Document Number 87648349
B. State Generator's ID H S H 9 3 6 0 0 6 9 1 1 9

5. Transporter 1 Company Name — 6. US EPA ID Number: C A D 0 0 6 2 8 6 3 3 9
MARTIN IND. PUMPING
C. State Transporter's ID 804597
D. Transporter's Phone (805) 251-3737

7. Transporter 2 Company Name — 8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address — 10. US EPA ID Number: A Z D 9 8 0 7 3 5 5 0 0
WORLD RESOURCES
8113 W. SHERMAN WAY STREET
PHOENIX, ARIZONA 85043
G. State Facility's ID
H. Facility's Phone (602) 233-9166

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID/N.O.S./ORM-E NA 9189 R.Q. 1lb	0 0 1	C M	0 0 0 1 2	Y	State 171 / EPA/Other F006
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
INSOLUBLE METAL HYDROXIDE SLUDGE (DEWATERED)

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
RUBBER GLOVES, GOGGLES, AND RESPIRATOR TO BE WORN WHEN HANDLING HARARDOUS WASTE.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ARTHUR FALK — Signature: Arthur Falk — Month Day Year: 0 5 1 2 8 8

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: EDWARD J TOWER — Signature: Edward J Tower — Month Day Year: 0 5 1 2 8 8

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month Day Year

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 — Manifest Document No.: 802888
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: DIXON HARD CHROME, INC. 11645 PENDLETON STREET. SUN VALLEY, CA. 91352
4. Generator's Phone: (818) 767-9650

A. State Manifest Document Number: 87648350
B. State Generator's ID: HSH03600691 01

5. Transporter 1 Company Name: MARTIN IND PUMPING
6. US EPA ID Number: CAD000628636

C. State Transporter's ID: [redacted] 706331
D. Transporter's Phone: 805-251-3737

7. Transporter 2 Company Name:
8. US EPA ID Number:

E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address: WORLD RESOURCES 8113 W. SHERMAN [redacted] STREET PHOENIX, ARIZONA 85043
10. US EPA ID Number: AZD980735500

G. State Facility's ID:
H. Facility's Phone:

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZAROUS WASTE, SOLID/N.O.S./ORM-E NA 9189 R.Q. 1 lb.	001	CM	4.11 0001 2	T Y	State 171 / EPA/Other F006
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: INSOLUBLE METAL HYDROXIDE SLUDGE (DEWATERED)

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information: RUBBER GLOVES, GOGGLES, AND RESPIRATOR TO BE WORN WHEN HANDLING HAZAROUS WASTE

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ARTHUR FALK — Signature: Arthur Falk — Month Day Year: 08 02 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DAVID SUTHERLAND — Signature: [signature] — Month Day Year: 08 02 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space: 13. TOTAL 4.11 TONS

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: RONALD L. SHARP — Signature: Ronald L. Sharp — Month Day Year: 8 27 08 03 88

GENERATOR / TRANSPORTER / FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

IN 8:20 AM

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

OUT 8:40 AM

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

BOX #2

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 — Manifest Document No.: 50148

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: DIXON HARD CHROME, INC. 11645 PENDLETON STREET SUN VALLEY, CA. 91352

4. Generator's Phone: (818) 767-9650

A. State Manifest Document Number: 87648354

B. State Generator's ID: [illegible]

C. State Transporter's ID: 906308

D. Transporter's Phone: (805) 251-3737

E. State Transporter's ID:

F. Transporter's Phone:

5. Transporter 1 Company Name: MARTIN INDUSTIAL PUMPING — 6. US EPA ID Number: CAD000628636

7. Transporter 2 Company Name: — 8. US EPA ID Number:

9. Designated Facility Name and Site Address: CASMALIA RESOURCES NTU RD. CASMALIA, CA. 93429 — 10. US EPA ID Number: CAD020748125

G. State Facility's ID: CAD020748125

H. Facility's Phone: (805) 937-8449

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q 1 lb. HAZAROUS WASTE SOLID N.O.S. ORME 9189 NA	001	DM	00.25	Y	State 181 / EPA/Other NON RCRA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: (PRODUCTION TRASH) FILTER MEDIA USED IN PLATING OPERATION.

K. Handling Codes for Wastes Listed Above: a. 03 b. c. d.

15. Special Handling Instructions and Additional Information: RUBBER GLOVES AND GOGGLES TO BE WORN WHEN HANDLING HAZARDOUS WASTE.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ARTHUR FALK — Signature: Arthur Falk — Month Day Year: 08 04 88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: EDWAR G. McKEE — Signature: Edward G. McKee — Month Day Year: 08 04 88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: #10772 Casmalia Resources — Signature: Marc Crosby Marc Crosby — Month Day Year: 08 05 88

GENERATOR / TRANSPORTER / FACILITY

DHS 8022 A (1/67)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 — Manifest Document No.: 10111248
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
DIXON HARD CHROME, INC.
11645 PENDLETON STREET, SUN VALLEY CA. 91352
4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 87648355
B. State Generator's ID: HSH0361001691 10
C. State Transporter's ID: 906331
D. Transporter's Phone: 805 251-3737

5. Transporter 1 Company Name: MARTIN IND. PUMPING
6. US EPA ID Number: CAD010062816316
7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
WORLD RESOURCES
8113 W. SHERMAN WAY STREET
PHOENIX, AZ 85043
10. US EPA ID Number: AZD981073550 0
G. State Facility's ID
H. Facility's Phone: 602 233-9166

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID/N.O.S/ORM-E NA 9189 R.Q. 1lb	001	CM	00001 2	Y	State 171 / EPA/Other F006
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
INSOLUBLE METAL HYDROXIDE SLUDGE (DEWATERED)

K. Handling Codes for Wastes Listed Above
a. 01 b. c. d.

15. Special Handling Instructions and Additional Information
RUBBER GLOVES, GOGGLES, AND RESPIRATOR TO BE WORN WHEN HANDLING HAZARDOUS WASTE

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Arthur Falk — Signature: Arthur Falk — Month Day Year: 11 10 12 88

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DAVID SUTHERLAND — Signature: David Sutherland — Month Day Year: 11 10 12 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space
9. World Resources Company 13. Total of 4.20 TONS
8113 W. Sherman Street
Alterations NOT INT

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Robert A Mullen — Signature: Robert A Mullen — AM Month Day Year: 11:40 11 10 12 88
IN 11:25 AM

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

OWL 11:45 AM

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welf
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008397722 — Manifest Document No.: 48360

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: DIXON HARD CHROME, INC. 11645 PENDLETON STREET, SUN VALLEY CA. 91352

4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 87648360

B. State Generator's ID: H SH03600691 0

5. Transporter 1 Company Name: MARTIN IND. PUMPING

6. US EPA ID Number: CAD000628636

C. State Transporter's ID: 906331

D. Transporter's Phone: 805 251-3737

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: WORLD RESOURCES COMPANY 8113 W. SHERMAN STREET PHOENIX, AZ 85043

10. US EPA ID Number: AZD980735500

G. State Facility's ID:

H. Facility's Phone: 602 233-9166

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID/N.O.S/ ORME NA 9189 R.Q. 1 lb	001	CM	00012	Y	State 171 / EPA/Other F006
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: INSOLUBLE METAL HYDROXIDE SLUDGE (DEWATERED)

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information: RUBBER GLOVES, GOGGLES AND RESPIRATOR TO BE WORN WHEN HANDLING ~~HAZARDOUS~~ HAZARDOUS WASTE

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Arthur Falk — Signature: Arthur Falk — Month Day Year: 12 27 88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: TROY LEE SCHUMACKER — Signature: Troy Lee Schumacker — Month Day Year: 12 27 88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space: 13. Total of 5.85 TONS

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: RONALD L. SHARP — Signature: Ronald L. Sharp — Month Day Year: 12 27 88 — PM 12:15

GENERATOR / TRANSPORTER / FACILITY

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: C A D 0 0 8 3 9 2 7 2 2 | Manifest Document No.: 3101 1818

2. Page 1 of | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARD CHROME
11645 PENDLETON STREET
SUN VALLEY, CA 91352

4. Generator's Phone (818) 767-9550

A. State Manifest Document Number: 87648368

B. State Generator's ID: H S H 9 3 6 - 0 0 6 9 1 1 0

5. Transporter 1 Company Name: MARTIN IND. PUMPING
6. US EPA ID Number: C A D 0 0 0 6 2 8 6 3 6

C. State Transporter's ID: 804597

D. Transporter's Phone: 805-251-3737

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
WORLD RESOURCES
8113 W. SHERMAN WAY STREET
PHOENIX, ARIZONA 85043

10. US EPA ID Number: A Z D 9 8 0 7 3 5 5 0 0

G. State Facility's ID
H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.
a. HAZARDOUS WASTE, SOLID/N.O.S./ORM-E NA 9189 R.Q.1 lb.	001	CM	00012	Y	State 171 EPA/Other F006
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
INSOLUBLE METAL HYDROXIDE SLUDGE (DEWATERED)

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
RUBBER GLOVES, GOGGLES, AND RESPIRATOR TO BE WORN WHEN HANDLING HAZARDOUS WASTE

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
ARTHUR FALK	Arthur Falk	10	31	88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
EDWARD G. McKEE	Edward G. McKee	10	31	88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
~~ARTHUR FALK~~				

TRANSPORTER

19. Discrepancy Indication Space

FACILITY

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD008392722 — Manifest Document No. 711956
2. Page 1 of — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARDCHROME
11625 Pendleton St., Sun Valley, CA 91352
4. Generator's Phone (818 767-9560

A. State Manifest Document Number 8796276 3
B. State Generator's ID HSH036006910
C. State Transporter's ID 810882
D. Transporter's Phone 5880921 4
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone 588-9214

5. Transporter 1 Company Name: GOLD SHIELD SOLVENTS — 6. US EPA ID Number: CAD020161642
7. Transporter 2 Company Name — 8. US EPA ID Number
9. Designated Facility Name and Site Address: DETREX CHEMICALS, 3027 Fruitland Ave., Los Angeles, CA 90058 — 10. US EPA ID Number: CAD020161642

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE, 1,1,1-TRICHLOROETHANE ORM-A UN 2831 WASTE, PERCHLOROETHYLENE ORM-A UN 1897	2	DM	100	G	State 211 EPA/Other F001
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
1,1,1-Trichloroethae/Ind. oils 0 to 100%
Perchloroethylene/Ind. oils 0 to 100%

K. Handling Codes for Wastes Listed Above
a. 01 — b. — c. — d.

15. Special Handling Instructions and Additional Information
TOXIC LIQUIDS, USE GLOVES AND GOGGLES, USE S.C.B.A FOR SPILLS.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: DIXON/ ~~X~~ ARTHUR FALK — Signature: X Arthur Falk — Month Day Year: 08 16 88

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: GOLD SHIELD/ BOB KLINE — Signature: 13 ok — Month Day Year: 08 16 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Lupe Viramontes — Signature — Month Day Year: 08/16/88

GENERATOR

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

801

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD008392722 Manifest Document No. 71995

2. Page 1 of — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARD CHROME
11625 Pendleton St., Sun Valley, CA 91352

4. Generator's Phone (818) 767-9560

A. State Manifest Document Number 87962791

B. State Generator's ID HSH036069110

5. Transporter 1 Company Name: GOLD SHIELD SOLVENTS
6. US EPA ID Number: CAD020116142
C. State Transporter's ID 810882
D. Transporter's Phone 588-9214

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
DETREX CHEMICALS
3027 Fruitland Ave.
Los Angeles, CA 90058

10. US EPA ID Number: CAD020116142
G. State Facility's ID
H. Facility's Phone 588-9214

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE, PERCHLOROETHYLENE, ORM-A, UN 1897	1	DM	150	G	State 241 / EPA/Other F001
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Perchloroethylene/Ind. oils 0 to 100%

K. Handling Codes for Wastes Listed Above
a. 01 b. c. d.

15. Special Handling Instructions and Additional Information
TOXIC LIQUID, USE GLOVES AND GOGGLES, USE S.C.B.A. FOR SPILLS.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
DIXON HARD CHROME/ X Arthur Falk	X Arthur Falk	10	17	88

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
GOLD SHIELD/ BOB KLINE	Bob Kline	10	17	88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Lupe Viramontes	Lupe Viramontes	10	21	88

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

GENERATOR

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

462

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008892722 | Manifest Document No.: 7111116

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARDCHROME
11625 Pendleton St., Sun Valley, CA 91352

4. Generator's Phone (818) 767-9560

A. State Manifest Document Number: 87962820
B. State Generator's ID: HSH036006910
C. State Transporter's ID: 810882
D. Transporter's Phone: 588-9214
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID:
H. Facility's Phone: 588-9214

5. Transporter 1 Company Name: GOLD SHIELD SOLVENTS | 6. US EPA ID Number: CAD012011611614 12
7. Transporter 2 Company Name | 8. US EPA ID Number:
9. Designated Facility Name and Site Address: DETREX CHEMICALS, 3027 Fruitland Ave., Los Angeles, CA 90058 | 10. US EPA ID Number: CAD012011611614 12

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE, 1,1,1-TRICHLOROETHANE, ORM-a, UN 2831	1	DM	100	G	State 211 / EPA/Other F001
b. WASTE, PERCHLOROETHYLENE, ORM-A, UN 1897	2	DM	100	G	State 211 / EPA/Other F001
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Perchloroethylene/Ind. oils 0 to 100%
1,1,1-Trichloroethane/Ind. oils 0 to 100%

K. Handling Codes for Wastes Listed Above
a. 01 | b. | c. | d.

15. Special Handling Instructions and Additional Information
TOXIC LIQUID, USE GLOVES AND GOGGLES, USE S.C.B.A. FOR SPILLS.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
DIXON/ X Arthur Falk	X Arthur Falk	12	27	88

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
GOLD SHIELD/ BOB KLINE	Bob Kline	12	27	88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Month	Day	Year
DARRELL W CRAFT	D W Craft	12	27	88

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

1680

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008892722
Manifest Document No.:
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARD CHROME, INC.
11645 PENDLETON STREET SUN VALLEY, CAL. 91352
4. Generator's Phone 818 767-9650

A. State Manifest Document Number: 88274693
B. State Generator's ID: H SH036006910
C. State Transporter's ID: 911269
D. Transporter's Phone: 213 776-6233
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: CAD008364432
H. Facility's Phone: 213 776-6233

5. Transporter 1 Company Name: RHO-CHEM CORP.
6. US EPA ID Number: CAD008364432
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address: RHO-CHEM CORP. 425 ISIS AVE. INGLEWOOD CAL. 90301
10. US EPA ID Number: CAD008364432

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE, 1,1,1, TRICHLOROETHANE ORM-A UN-2831	003	DM	1150	G	State 211 EPA/Other F-001
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
1,1,1 TRICHLOROETHANE 0-90%
WAX, WATER, METAL FINES 0-10%

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
TOXIC LIQUID, USE GLOVES AND GOGGLES USE S.C.B.A. FOR A SPILL

16.
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Arthur Falk
Signature: Arthur Falk
Month Day Year: 10 19 89

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MICHAEL FULLER #56164 (3)
Signature: Michael Fuller
Month Day Year: 10 19 89

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name:
Signature:
Month Day Year:

GENERATOR
TRANSPORTER
FACILITY

8022 A (1/88)
8700—22
(8-89) Previous editions are obsolete.

Do Not Write Below This Line

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95812-0400

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD008391272 | Manifest Document No. 211919

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARD CHROME, INC.
11645 PENDLETON ST. SUN VALLEY, CA. 91352

A. State Manifest Document Number 88274694

4. Generator's Phone (818) 767-9650

B. State Generator's ID H 5 1 1 9 3 6 - 0 0 6 9 1 1 0

5. Transporter 1 Company Name | 6. US EPA ID Number
MARTIN IND. POMPING INC. | CAD 0 1 0 6 2 8 1 6 3 6

C. State Transporter's ID 011831

D. Transporter's Phone (805) 251-3732

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number
WORLD RESOURCES COMPANY
8113 W. SHERMAN ST.
PHOENIX, ARIZONA 85043 | AZD 9 8 0 7 3 5 5 0 0

G. State Facility's ID A Z D 9 8 0 7 3 5 5 0 0

H. Facility's Phone (602) 233-9166

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA #9189 (F006 1#)	0 0 1	C M	0 0 0 1 2	Y	State 171 EPA/Other F006
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
2) INSOLUBLE METAL HYDROXIDE SLUDGE (DEWATERED) SOLIDIFIED

K. Handling Codes for Wastes Listed Above
a. 01 b. c. d.

15. Special Handling Instructions and Additional Information
GLOVES, GOGGLES, RESPERATOR

16.
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Arthur Falk | Signature: Arthur Falk | Month Day Year: 1 1 2 1 9 8 9

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Roy A STEED | Signature: R. A Steed | Month Day Year: 1 1 2 1 9 8 9

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space
13. Total OF 8.22 TONS Accd

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name: Jerome Bellamy Jr. | Signature: Jerome Bellamy | Month Day Year: 8:05 AM 1 1 2 1 9 8 9

Do Not Write Below This Line

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

8:22 AM
8:35 AM

GENERATOR

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

88274694

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 — Manifest Document No.: 011189
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: DIXON HARD CHROME, INC. 11645 PENDLETON ST. SUN VALLEY, CA. 91352
4. Generator's Phone: 818 767-9650

A. State Manifest Document Number: 88274695
B. State Generator's ID: H SH036-006910
C. State Transporter's ID: 011831
D. Transporter's Phone: (805) 251-3732
E. State Transporter's ID:
F. Transporter's Phone:

5. Transporter 1 Company Name: MARTIN IND. PUMPING, INC.
6. US EPA ID Number: CAD000628636
7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address: WORLD RESOURCES COMPANY, 8113 W. SHERMAN ST., PHOENIX, ARIZONA 85043
10. US EPA ID Number: A2D980735500

G. State Facility's ID: A2D980735500
H. Facility's Phone: (602) 233-9166

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA # 9189 (F006 1#)	001	CM	000112	Y	State 171; EPA/Other F006
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above: 2) INSOLUBLE METAL HYDROXIDE SLUDGE (DEWATERED) SOLIDIFIED

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information: GLOVES, GOGGLES, RESPERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Arthur Falk — Signature: [signature] — Month Day Year: 10 11 89

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: EDWARD G. McKEE — Signature: [signature] — Month Day Year: 10 11 89

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space: 13. Total of 6.55 TONS Rec'd

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: RONALD G. SHARP — Signature: [signature] — Month Day Year: 7:25 AM 10 12 89

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

88274695

DHS 8022 A (1/68)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722
Manifest Document No.:
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARD CHROME, INC.
11645 PENDLETON STREET, SUN VALLEY, CA 91352
4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 88274697
B. State Generator's ID: H SH036006910

5. Transporter 1 Company Name: RHO-CHEM CORP.
6. US EPA ID Number: CAD008364432
C. State Transporter's ID: 911 [illegible] 270
D. Transporter's Phone: 213 776-6233

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
RHO-CHEM CORP.
425 ISIS AVE. INGLEWOOD, CAL. 91301
10. US EPA ID Number: CAD008364432
G. State Facility's ID: CAD008364432
H. Facility's Phone: 213 776-6233

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE, PERCHLORETHYLENE ORM-A UN 1897	001	DM	50	G	State 211 / EPA/Other F001
b. WASTE, PETROLEUM NAPHTHA COMBUSTABLE LIQUID UN 1255	001	DM	50	G	State D001 / EPA/Other 213
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
A1 PERCHLORETHYLENE 0-90%
A2 WAX, WATER, METAL FINES 0-10%
B1 INDUSTIAL OIL 0-90%
B2 WAX, WATER, METAL FINES 0-10%

K. Handling Codes for Wastes Listed Above
a. 01
b. 01
c.
d.

15. Special Handling Instructions and Additional Information
TOXIC LIQUID, USE GLOVES AND GOGGLES, USE S.C.B.A. FOR A SPILL

16.
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Arthur Falk
Signature: Arthur Falk
Month Day Year: 08 07 89

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JAY GUERRA (2)
Signature: Jay Guerra
Month Day Year: 08 07 89

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Tony Gaeta
Signature: Tony Gaeta
Month Day Year: 08 07 89

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802, WITHIN CALIFORNIA CALL 1-800-852-7550

88274697

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9/88) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

TRAILER SCALE TICKET 3464

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008139272 | Manifest Document No.: 08/1819
2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARD CHROME, INC.
11645 PENDLETON ST. SUN VALLEY, CA. 91352
4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 88274698
B. State Generator's ID: H S H Q 3 6 1 - 1 0 1 0 6 9 1 1 1 0
C. State Transporter's ID: 90629 1/01183
D. Transporter's Phone: (905) 251-3732

5. Transporter 1 Company Name: MARTIN IND. PUMPING INC. | 6. US EPA ID Number: CAD010062816
7. Transporter 2 Company Name | 8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address: WORLD RESOURSES COMPANY
8113 W. SHERMAN ST.
PHOENIX, ARIZONA 85043 | 10. US EPA ID Number: AZD 980 713 550 10
G. State Facility's ID: A Z D 9 8 0 7 1 3 5 5 0 1 0
H. Facility's Phone: (602) 233-9166

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q HAZARDOUS WASTE SOLID N.O.S, ORM-E NA # 9189 (F006 1#)	0101	CM	010011	Y	State 171 EPA/Other F006
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
2) INSOLUBLE METAL HYDROXIDE SLUDGE (DEWATERED) SOLIDIFIED

K. Handling Codes for Wastes Listed Above
a. 01 | b. | c. | d.

15. Special Handling Instructions and Additional Information
GLOVES, GOGGLES, RESPERATOR

16.
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Arthur Falk	Arthur Falk	10	10	89

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
EDWARD G. McKEE	Edward G. McKee	10	10	89

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space
13. Total of 6.32 TONS Recd manifest should have a Land Ban Restriction notice attached

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Robert A. Muller	Robert A. Muller	9:30 AM 10	20	89

8022 A (1/88)
8700—22
(9-88) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

ESCH CO 0116 TOT

IN CASE OF SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

GENERATOR

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 — Manifest Document No.: 53181
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address:
DIXON HARD CHROME, INC.
11645 PENDLETON ST. SUN VALLEY, CA. 91352
4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 88274699
B. State Generator's ID: H SHQ36-906910
C. State Transporter's ID: 906291
D. Transporter's Phone: (805) 251-3732
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: A 2D980735500
H. Facility's Phone: (602) 233-9166

5. Transporter 1 Company Name: MARTIN IND. PUMPING, INC.
6. US EPA ID Number: CAD000628636
7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address:
WORLD RESOURSES COMPANY
8113 W. SHERMAN ST.
PHOENIX, ARIZONA 85043
10. US EPA ID Number: A2D980735500

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA # 9189 (F006 1*)	001	CM	000112	Y	State 171; EPA/Other F006
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above:
2) INSOLUBLE METAL HYDROXIDE SLUDGE (DEWATERED) SOLIDIFIED.

K. Handling Codes for Wastes Listed Above: a. 01; b.; c.; d.

15. Special Handling Instructions and Additional Information:
GLOVES, GOGGLES, RESPERATOR

16.
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Arthur Falk — Signature: Arthur Falk — Month Day Year: 05 31 89

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: EDWARD G. McKEE — Signature: Edward G. McKee — Month Day Year: 05 31 89

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space
13. Total of S.81 TONS Rec'd

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: Robert A Mullen — Signature: R A Mullen — Month Day Year: 05 01 89

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

88274699

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

8907 07 0119 1080

39,300 LBS ON TRK #5 D.H.C. BOX.

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 — Manifest Document No.: 74701

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: DIXON HARD CHROME, INC. 11645 PENDLETON ST. - SUN VALLEY CA. 91352

4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 88274701

B. State Generator's ID: HSHQ36-006910

5. Transporter 1 Company Name: MARTIN IND. PUMPING, INC.

6. US EPA ID Number: CAD000628636

C. State Transporter's ID: 906291

D. Transporter's Phone: (805) 251-3737

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: WORLD RESOURSES COMPANY 8113 W. SHERMAN ST. PHOENIX, ARIZONA. 85043

10. US EPA ID Number: AZD980735500

G. State Facility's ID: AZD980735500

H. Facility's Phone: (602) 233-9166

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ HAZARDOUS WASTE SOLID N.O.S. ORM-E NA#9189 (F006 1#)	001	CM	00012	Y	State 171 / EPA/Other F006
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: a) INSOLUBLE METAL HYDROXIDE SLUDGE (DEWATERED) SOLIDIFIED,

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information: GLOVES, GOGGLES, RESPERATOR.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Arthur Falk — Signature: Arthur Falk — Month Day Year: 03 03 89

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: TROY LEE Schumacker — Signature: Troy Lee Schumacker — Month Day Year: 03 03 89

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space: 13. Total OF 6.11 TONS Rec'd

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Robert A Mullen — Signature: R A Mullen 12:35 PM — Month Day Year: 03 06 89

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

88274701

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

8903 31 0083 027

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008391247212
Manifest Document No.:
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARD CHROME, INC.
11645 PENDLETON STREET, SUN VALLEY, CAL 91352
4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 88593749
B. State Generator's ID: H SIKD 3160 0691 0
C. State Transporter's ID: 9112.66
D. Transporter's Phone: 213 776-6233
E. State Transporter's ID:
F. Transporter's Phone:

5. Transporter 1 Company Name: RHO-CHEM CORP.
6. US EPA ID Number: CAD008316443 2
7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
RHO-CHEM CORP.
425 ISIS AVE. INGLEWOOD CAL. 90301
10. US EPA ID Number: CAD008316443 2

G. State Facility's ID: CAD008316443 2
H. Facility's Phone: 213 776-6233

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE, PERCHLORETHYLENE ORM-A UN 1897	1 1 2	D M	1 1 1 0 1 0	G	State 211 EPA/Other F001
b. WASTE, PETROLEUM NAPHTHA COMBUSTABLE LIQUID UN 1255	1 1 2	D M	1 1 1 0 1 0	G	State D001 EPA/Other 213
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
A1 PERCHLORETHYLENE 0-90%
A2 WAX, WATER, METAL FINES 0-10%
B1 INDUSTIAL OIL 0-90%
B2 WAX, WATER, METAL FINES 0-10%

K. Handling Codes for Wastes Listed Above
a. 01 b. 01
c. d.

15. Special Handling Instructions and Additional Information
TOXIC LIQUID, USE GLOVES AND GOGGLES, USE S.C.B.A. FOR A SPILL.

16.
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Arthur Falk	Arthur Falk	10	31	89

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
JAY GUERRA (4)	Jay Guerra 53927	10	31	89

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Month	Day	Year
JERRY L. SADLER	Jerry L. Sadler	10	31	89

Do Not Write Below This Line

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

GENERATOR

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

88593749

(1)

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 — Manifest Document No.: 051790

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: DIXON HARD CHROME, INC. 11645 PENDLETON STREET, SUN VALLEY, CA. 91352

4. Generator's Phone ( )

A. State Manifest Document Number: 88594141

B. State Generator's ID: H SHQ36-006910

5. Transporter 1 Company Name: MARTIN IND. PUMPING, INC.

6. US EPA ID Number: CAD000628636

C. State Transporter's ID: 011831

D. Transporter's Phone: (805) 251-3732

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: WORLD RESOURCES COMPANY 8113 W. SHERMAN ST. PHOENIX, ARIZONA 85043

10. US EPA ID Number: AZD980735500

G. State Facility's ID: AZD980735500

H. Facility's Phone: (602) 233-9166

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. HAZAROUS WASTE SOLID N.O.S. ORM-E NA #9189 (F006 #1)	001	CM	00012	Y	State 171 / EPA/Other F006
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: INSOLUBLE METAL HYDROXIDE SLUDGE (DEWATERED) SOLIDIFIED

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information: GLOVES, GOGGLES, RESPERATOR

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Arthur Falk — Signature: Arthur Falk — Month Day Year: 05 07 90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: ROY A STEED — Signature: R. A Steed — Month Day Year: 05 07 90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space: 13. Total OF 7.51 TONS Recd

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Jerome Bellamy Jr. — Signature: Jerome Bellamy Jr. — Month Day Year: 12:33pm 05 08 90

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

88594141

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD010839127 | Manifest Document No.: 411430
2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARD CHROME, INC.
11645 PENDLETON ST. SUN VALLEY, CA. 91352

4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 88594143
B. State Generator's ID: H SH 936-0096110

5. Transporter 1 Company Name: MARTIN IND. PUMPING, INC. | 6. US EPA ID Number: CAD009062136
C. State Transporter's ID: 906291
D. Transporter's Phone: (805) 251-3732

7. Transporter 2 Company Name | 8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
WORLD RESOURCES COMPANY
6113 W. SHERMAN ST.
PHOENIX, ARIZONA 85043

10. US EPA ID Number: AZD980731550
G. State Facility's ID: A 12D980731550
H. Facility's Phone: (602) 233-9166

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA # 9189 (F006 1#)	001	CM	00012	Y	State 171 / EPA/Other F006
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
2) INSOLUBLE METAL HYDROXIDE SLUDGE (DEWATERED) SOLIDIFIED

K. Handling Codes for Wastes Listed Above
a. | b. | c. | d.

15. Special Handling Instructions and Additional Information
GLOVES, GOGGLES, RESPERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Arthur Falk | Signature: Arthur Falk | Month Day Year: 10 30 90

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: LARRY RAMIREZ | Signature: Larry Ramirez | Month Day Year: 10 31 90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space
13. TOTAL OF 7.52 TONS Received

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: RONALD L. SHARP | Signature: Ronald L. Sharp 3:00 | Month Day Year: 11 01 90

GENERATOR
TRANSPORTER
FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

88594143

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 — Manifest Document No.: 430910

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: DIXON HARD CHROME, INC. 11645 PENDLETON STREET, SUN VALLEY, CA. 91352

4. Generator's Phone: 818 767-9650

A. State Manifest Document Number: 88594144

B. State Generator's ID: HSA03600691 0

5. Transporter 1 Company Name: RHO-CHEM CORP. — 6. US EPA ID Number: CAD008364432

C. State Transporter's ID: 014926

D. Transporter's Phone: 213 776-6233

7. Transporter 2 Company Name — 8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: RHO-CHEM CORP. 425 ISIS AVE. INGLEWOOD, CAL 91301 — 10. US EPA ID Number: CAD008364432

G. State Facility's ID: CAD008364432

H. Facility's Phone: 213 776-6233

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE, PERCHLORETHYLENE ORM-A UN 1897	002	DM	00100	G	State 211 / EPA/Other F001
b. WASTE, 1,1,1 TRICHLOROETHANE ORM-A UN 2831	001	DM	00050	G	State 211 / EPA/Other F001
c. WASTE, PETROLEUM NAPHTHA COMBUSTABLE LIQUID UN 1255	001	DM	00050	G	State 213 / EPA/Other D001
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
A1 PERCHLORETHYLENE 0-90%
A2 WAX, WATER, METAL FINES 0-10%
B1 1,1,1 TRICHLOROETHANE 0-90
B2 WAX, WATER, METAL FINES 0-10%
C1 INDUSTIAL OIL, WAX, WATER & METAL FINES

K. Handling Codes for Wastes Listed Above
a. 01 b. 01
c. 01 d.

15. Special Handling Instructions and Additional Information
TOXIC LIQUID, USE GLOVES AND GOGGLES, USE S.C.B.A. FOR A SPILL.

16.
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Arthur Falk — Signature: Arthur Falk — Month Day Year: 04 30 90

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Greg Curtis # — Signature: [signature] — Month Day Year: 04 30 90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Tony Gaeta — Signature: Tony Gaeta — Month Day Year: 04 30 90

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

88594144

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 — Manifest Document No.:
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: DIXON HARD CHROME, INC. 11645 PENDLETON STREET, SUN VALLEY, CA. 91352
4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 89413654
B. State Generator's ID: HSIA0316009119

5. Transporter 1 Company Name: RHO-CHEM CORP.
6. US EPA ID Number: CAD008316443 2
C. State Transporter's ID: 01442
D. Transporter's Phone: 213 776-6233
7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address: RHO-CHEM CORP, 425 ISIS AVE INGLEWOOD, CAL. 91301
10. US EPA ID Number: CAD008316443 2
G. State Facility's ID: CAD008316443 2
H. Facility's Phone: 213 776-6233

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE, PERCHLORETHYLENE ORM-A UN 1897	002	DM	00110	G	State 211 / EPA/Other F001
b. WASTE, 1,1,1 TRICHLOROETHANE ORM-A UN 2831	001	DM	00050	G	State 211 / EPA/Other F001
c. WASTE, PETROLEUM NAPHTHA COMBUSTABLE LIQUID UN 1255	001	DM	00050	G	State 213 / EPA/Other D001
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
A1 PERCHLORETHYLENE 0-90%
A2 WAX, WATER, METAL FINES 0-10%
B1 1,1,1 TRICHLOROETHANE 0-90%
B2 WAX, WATER, METAL FINES 0-10%
C1 INDUSTIAL OIL, WAX, WATER & METAL FINES

K. Handling Codes for Wastes Listed Above
a. 01 b. 01 c. 01 d.

15. Special Handling Instructions and Additional Information
TOXIC LIQUID, USE GLOVES AND GOGGLES, USE S.C.B.A. FOR A SPILL.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Arthur Falk — Signature: Arthur Falk — Month Day Year: 09 27 90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JAY GUERRA (4) — Signature: Jay Guerra — Month Day Year: 09 27 90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Tony Gaeta — Signature: Tony Gaeta — Month Day Year: 09 27 90

Do Not Write Below This Line

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

GENERATOR

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

89413654

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

89413655

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 — Manifest Document No.: 13655
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: DIXON HARD CHROME, INC. 11645 PENDLETON STREET, SUN VALLEY, CA 91352
4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 89413655
B. State Generator's ID: H SHQ36-0069110

5. Transporter 1 Company Name: MARTIN IND. PUMPING, INC.
6. US EPA ID Number: CAD000628636
C. State Transporter's ID: 111524
D. Transporter's Phone: 805 251-3732

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address: WORLD RESOURCES COMPANY 8113 W. SHERMAN STREET PHOENIX ARIZONA 85043
10. US EPA ID Number: A2D980735500
G. State Facility's ID: A2D980735500
H. Facility's Phone: 602 233-9166

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. HAZAROUS WASTE SOLID, N.O.S. ORM-E NA # 9189 (F006 #1)	001	CM	00012	Y	State 171; EPA/Other F006
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above: 2) INSOLUBLE METAL HYDROXIDE SLUDGE (DEWATERED) SOLIDIFIED

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information: GLOVES, GOGGLES, RESPERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Arthur Falk — Signature: Arthur Falk — Month Day Year: 09 28 90

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: TROY LEE SCHUMACKER — Signature: Troy Lee Schumacker — Month Day Year: 09 28 90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: — Signature: — Month Day Year:

GENERATOR — TRANSPORTER — FACILITY

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95812-0400

0086 .0008

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 | Manifest Document No.: 13657
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: DIXON HARD CHROME, INC. 11645 PENDLETON STREET, SUN VALLEY, CA. 91352
4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 89413657
B. State Generator's ID: HSHQ36-006911 0

5. Transporter 1 Company Name: MARTIN IND. PUMPING, INC
6. US EPA ID Number: CAD000628636
C. State Transporter's ID: 111524
D. Transporter's Phone: 805 251-3737

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address: WORLD RESOURCES COMPANY, 8113 W. SHERMAN STREET, PHOENIX, ARIZONA 85043
10. US EPA ID Number: AZD980735500
G. State Facility's ID: AZD980735500
H. Facility's Phone: 602 233-9166

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q HAZARDOUS WASTE SOLID N.O.S. ORM-E NA#9189 (F006 #1)	001	CM	00012	Y	State 171; EPA/Other F006
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above: 2) INSOLUBLE METAL HYDROXIDE SLUDGE (DEWATERED) SOLIDIFIED

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information: EMERGENCY CONTACT 818-767-9650
GLOVES, GOGGLES, RESPERATOR
ERG #31

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Arthur Falk | Signature: Arthur Falk | Month Day Year: 12 03 90

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MIKE HIDER Jack Stallings | Signature: [signature] Jack Stallings | Month Day Year: 12 03 90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: | Signature: | Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ronald L. SHARP | Signature: Ronald L. Sharp | Month Day Year: 12 04 90

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

89413657

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

0128.0019

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 — Manifest Document No.: 36580
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: DIXON HARD CHROME, INC. 11645 PENDLETON STREET, SUN VALLEY, CA. 91352
4. Generator's Phone (818) 767-9650
A. State Manifest Document Number: 89413658
B. State Generator's ID: HSHQ36-006910
5. Transporter 1 Company Name: MARTIN IND. PUMPING, INC.
6. US EPA ID Number: CAD000628636
C. State Transporter's ID: 111524
D. Transporter's Phone: 805 [redacted] 251-3732
7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:
9. Designated Facility Name and Site Address: WORLD RESOURCES COMPANY 8113 W. SHERMAN STREET PHOENIX, ARIZONA 85043
10. US EPA ID Number: A2D980735500
G. State Facility's ID: A2D980735500
H. Facility's Phone: 602 233-9166

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R.Q. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA # 9189 (F006 #1)	001	CM	00012	Y	State 171 / EPA/Other F006
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: INSOLUBLE METAL HYDROXIDE SLUDGE (DEWATERED) SOLIDIFIED

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information: EMERGENCY CONTACT 818-767-9650 GLOVES, GOGGLES, RESPERATOR — EMERGENCY RESPONSE GUIDE PG#31

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Arthur Falk — Signature: Arthur Falk — Month Day Year: 01 25 91

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MIKE HIDER — Signature: [signature] — Month Day Year: 01 25 91

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: ROY A STEED — Signature: R. A Steed — Month Day Year: 01 27 91

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: RONALD L. SHARP — Signature: [signature] — Month Day Year: 01 28 91

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

89413658 46480 845

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

0048 .0094

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

89413659

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD008392722 — Manifest Document No.: 03659
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: DIXON HARD CHROME, INC. 11645 PENDLETON STREET, SUN VALLEY, CA. 91352
4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 89413659
B. State Generator's ID: HSHQ36-006910

5. Transporter 1 Company Name: MARTIN IND. PUMPING, INC.
6. US EPA ID Number: CAD000628636
C. State Transporter's ID: 111524
D. Transporter's Phone: 805 251-3737

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address: WORLD RESOURCES COMPANY 8113 W. SHERMAN STREET PHOENIX, ARIZONA 85043
10. US EPA ID Number: AZD980735500
G. State Facility's ID: AZD980735500
H. Facility's Phone: 602 233-9166

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. R. Q. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA # 9189 (F006 #1)	001	CM	00012	Y	State 171 / EPA/Other F006
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: INSOLUBLE METAL HYDROXIDE SLUDGE (DEWATERED) SOLIDIFIED

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information: EMERGENCY CONTACT 818-767-9650 GLOVES, GOGGLES, RESPERATOR EMERGENCY RESPONSE GUIDE PG#31

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Arthur Falk — Signature: Arthur Falk — Month Day Year: 03 27 91

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: CARL POPP — Signature: [signature] — Month Day Year: 03 27 91

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space: 13. 8.88 tons

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Richard L Bellamy — Signature: Richard L Bellamy — Month Day Year: 03 28 91

GENERATOR — TRANSPORTER — FACILITY

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

8130 0012

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD008392722 Manifest Document No. 13616O

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DIXON HARD CHROME, INC.
11645 PENDLETON ST. SUN VALLEY, CA. 91352

A. State Manifest Document Number 89413660

4. Generator's Phone 818 767-9650

B. State Generator's ID H SHQ936-006911 0

5. Transporter 1 Company Name — 6. US EPA ID Number: MARTIN IND. PUMPING, INC. CAD0100628636

C. State Transporter's ID 01931

D. Transporter's Phone 805 251-3732

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address — 10. US EPA ID Number
WORLD RESOURCES COMPANY
8113 W. SHERMAN ST.
PHOENIX, ARIZONA 85043 AZD980735500

G. State Facility's ID AZD980735500

H. Facility's Phone 602 233-9166

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. R. Q. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA#9189 (F006 1#)	001	CM	01001	2 Y	State 171 EPA/Other F006
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
2) INSOLUBLE METAL HYDROXIDE SLUDGE (DEWATERED) SOLIDIFIED

K. Handling Codes for Wastes Listed Above
a. 01 b. c. d.

15. Special Handling Instructions and Additional Information
GLOVES, GOGGLES, RESPERATOR

16.
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Arthur Falk — Signature: Arthur Falk — Month 10 Day 16 Year 90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: HERNANDO RIVERA — Signature: Hernando Rivera — Month 10 Day 16 Year 90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space
13. Total of 6.88 TONS Acid

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jerome Bellamy Jr. — Signature: Jerome Bellamy — Month 10 Day 17 Year 90 — 8:30 AM

Do Not Write Below This Line

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

GENERATOR

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

89413660

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law.
CAD008139727221			

3. Generator's Name and Mailing Address
DIXON HARD CHROME INC
11645 PENDLETON ST SUN VALLEY CA 91352
4. Generator's Phone (818) 767-9650

A. State Manifest Document Number: 89967774
B. State Generator's ID: H 5 1 8 1 3 6 0 0 9 6 9 1 0 1
C. State Transporter's ID: 21629
D. Transporter's Phone: 213-776-6233
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: CAD008136141321
H. Facility's Phone: 213-776-6233

5. Transporter 1 Company Name: RHO-CHEM CORP.
6. US EPA ID Number: CAD010818136141321
7. Transporter 2 Company Name: ~~RHO-CHEM~~
8. US EPA ID Number: CAD010818136141321
9. Designated Facility Name and Site Address: RHO CORP. 91301
426 ISIS AVE INGLEWOOD CA
10. US EPA ID Number: CAD010818136141321

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE PERCHLOROETHYLENE ORM-A NA 1993 ~~Waste Flammable Liquid, n.o.s. (Xylene, Ethyl Benzene), 3, UN1993, PG III~~	001	DM	00200	G	State 24 EPA/Other T001
b. WASTE COMBUSTABLE LIQUID ~~NA 1993~~ PETROLEUM NAPTHA UN-1993	001	DM	00055	G	State 23 EPA/Other D001
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
A-PROFILE NO. 1H2932
B-PROFILE NO. 1H2931

K. Handling Codes for Wastes Listed Above
a. 01 b. 01
c. d.

15. Special Handling Instructions and Additional Information
EMERGENCY # 213-781-9650

16.
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
JAIME LOPEZ		04	07	92

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
RANDY SMALLS (S)	RANDY SMALLS 10958	04	07	92

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space
11-B) actually Received Non RCRA Hazardous Waste Liquid 95% water 5% Petroleum

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
TONY GAETA		04	07	92

GENERATOR
TRANSPORTER
FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

89967774

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

California Waste Code By Year Matrix

ID Number: CAD008392722

Entity Type : GENERATOR

Weight (in Tons)

Ship Years

Calif. Code	Description	1993	1994	1995	1996	1997	1998
	Blank/Unknown		1.2510				
121	ALKALINE SOLUTION (PH>=12.5) W/ METALS		5.6295				
122	ALKALINE SOLUTION (PH>=12.5) W/O METALS						
123	UNSPECIFIED ALKALINE SOLUTION				7.2975		
132	AQ SOL WITH METALS(SMALLER THAN RESTRICTED LEVELS AND SEE 121)						
135	UNSPECIFIED AQUEOUS SOLUTION (2 < PH < 12.5)						
141	OFF-SPEC, AGED, OR SURPLUS INORGANICS						
171	METAL SLUDGE	58.9960	39.6116	22.7556	37.9260	23.5984	
181	OTHER INORGANIC SOLID WASTE					0.6321	
211	HALOGENATED SOLVENTS	2.7105					
212	OXYGENATED SOLVENTS						
213	HYDROCARBON SOLVENTS	1.0425	0.2293	0.2293	0.2293	0.2085	

1999	2000	2001	2002	2003	2004	2005	2006	2007
3.3360						1.1468	0.2085	0.4587
			17.2638	10.5710	14.6993	31.4835	1.0842	1.3136
						0.3128		
5.4600	5.0400		0.5250		0.8400	11.5500	11.4534	2.2050
7.1638	12.2206	1.8963				10.1136	25.0984	24.4412
	9.4208	27.9576	47.1040	51.1180	81.5679	64.7528	75.7683	88.6440
		1.3552	0.9007					
						1.3200		
0.3335								

2008	2009	2010
1.3344	1.9182	4.5870
2.5200	3.8430	
0.1000	0.0750	
24.4412	18.5416	2.5284
107.3500	100.2932	12.6420

		1993	1994	1995	1996	1997	1998
214	UNSPECIFIED SOLVENT MIXTURE						
223	UNSPECIFIED OIL-CONTAINING WASTE						
331	OFF-SPEC, AGED, OR SURPLUS ORGANICS						
343	UNSPECIFIED ORGANIC LIQUID MIXTURE					0.1700	0.5440
551	LABORATORY WASTE CHEMICALS						
711	LIQUIDS WITH CYANIDES >= 1000 MG/L		3.3360	9.7995	9.7369	29.2525	30.4827
722	LIQUIDS WITH CADMIUM >= 100 MG/L		1.8765		4.1700	34.4442	63.7301
723	LIQUIDS WITH CHROMIUM (VI) >= 500 MG/L						
726	LIQUIDS WITH NICKEL >= 134 MG/L			3.3568	1.3480	14.5950	15.6375
741	LIQ W/ HALOG ORGANIC COMP >= 1000 MG/L		1.8347	1.1467	1.7513	2.0780	2.9606
791	LIQUIDS W PH<=2					0.6672	
792	LIQUIDS W PH<=2 W METALS				23.1435	21.0585	7.9230
	Grand Total	**62.7490**	**53.7686**	**37.2879**	**85.6025**	**126.7044**	**121.2779**

1999	2000	2001	2002	2003	2004	2005	2006	2007
	0.1080							
					0.4170		2.3978	0.2294
								0.1500
	0.0850							
21.6839	21.0585	34.4233	15.0954	11.3841	10.5710	10.1331	13.0520	6.6095
0.3127	41.9085	53.2300					0.2085	0.6881
25.4161	62.5917	20.2662	3.4403	5.2959	8.3400			
1.0425		0.7923				1.1468	1.3761	3.6696
5.3791	1.3760							
29.5027	63.8010	68.3880	27.3344	25.3328	9.9246	33.9438	21.9968	14.0112
99.6303	**217.6101**	**208.3089**	**111.6635**	**103.7017**	**126.3597**	**165.9030**	**152.6439**	**142.4201**

2008	2009	2010
0.2294	0.3545	0.1251
0.1815		
	0.0195	
7.9230	6.8805	5.0457
0.9800	0.9174	0.6464
2.2935	3.4403	
4.0658	4.1075	
19.0986	20.3079	16.0962
170.5172	**160.6985**	**41.6708**

Linda S. Adams
Secretary for
Environmental Protection

Department of Toxic Substances Control

Maziar Movassaghi, Acting Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Arnold Schwarzenegger
Governor

EPA ID PROFILE

ID Number: CAD008392722 **Name :** DIXON HARD CHROME

Status: ACTIVE **Inactive Date:** **Record Entered:** 07/23/1982 **Last Updated:** 09/30/2005

County: LOS ANGELES **NAICS:** 332813 **SIC:** 3399

	Name	Address	City	State	Zip Code	Phone
Location	DIXON HARD CHROME	11645 PENDLETON ST	SUN VALLEY	CA	913520000	
Mailing		11645 PENDLETON ST	SUN VALLEY	CA	913522594	
Owner	LMDD ENTERPRISES INC	11645 PENDLETON ST	SUN VALLEY	CA	913522594	8187679650
Operator/ Contact	WILLIE MACAWILI, CHEMIST	11645 PENDLETON ST	SUN VALLEY	CA	913522594	8187679650

Based ONLY upon ID Number **CAD008392722**

Calif. Manifests ?	Non Calif. Manifests ?	Transporter Registration ?
YES	NO	NO

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

Calif. Manifest Counts and Total Tonnage

Top line represents Manifest Count and Bottom line represents Total Tonnage

	GENERATOR
1993	8 62.7490
1994	8 53.7686
1995	13 37.2879
1996	15 85.6025
1997	27 126.7044
1998	21 121.2779
1999	37 99.6303
2000	63 217.6101
2001	74 208.3089
2002	32 111.6635
2003	30 103.7017
2004	41 126.3597
2005	62 165.9031
2006	48 152.6439
2007	42 142.4201
2008	50 170.5172

	GENERATOR
2009	50 160.6985
2010	15 41.6708

Non California Manifest Total Tonnage

Waste Code By Year By Entity Matrix Report (based on California Manifests only)

Calif.	Generator	Transporter 1	Transporter 2	TSDF	Alt. TSDF
RCRA	Generator	Transporter 1	Transporter 2	TSDF	Alt. TSDF

RCRA Waste Code By Year Matrix Report

ID Number: CAD008392722

Entity Type: GENERATOR

Weight (in Tons)

RCRA Code	Description	*Ship Years* 1993	1994	1995	1996	1997	1998
	Blank/Unknown					**0.8021**	**0.5440**
	Blank/Unknown						
D001	Ignitable	**1.0425**	**0.2293**	**0.2293**	**0.2293**	**0.2085**	
D002	Corrosives		**6.8805**		**30.4410**	**26.5212**	**12.0930**
D003	Reactivity			**3.5445**			**3.7530**
D005	Barium						
D006	Cadmium		**1.8765**	**3.3568**	**5.5180**	**49.0392**	**75.6146**
D007	Chromium						
D008	Lead						
D009	Mercury						
D011	Silver						
F001	Halogenated solvents	**2.7105**	**1.8347**	**1.1467**	**1.7513**	**2.0780**	**2.9606**
F002	Halogenated solvents						

1999	2000	2001	2002	2003	2004	2005	2006
	7.8202	0.7923			0.4170		3.1284
							1.0425
0.3335	0.1080		0.4504			1.6328	
32.8387	63.8010	68.3880	45.1232	35.9037	25.4639	66.5741	19.6824
						10.1331	8.2358
0.1668	41.9085	53.2300				11.5500	11.8704
32.0645	67.6317	20.2662	45.5803	50.8071	80.8208	64.2528	52.0427
	1.6856	24.4412					28.4128
2.2516	1.3760						
		1.3552	0.4504				

2007	2008	2009	2010
0.3794	**0.2294**	**0.5838**	**0.1251**
0.1500	**0.1815**		
1.3970	**1.1468**	**3.9640**	**6.1716**
	3.5403	**0.0035**	
		0.0075	
0.6881	**0.9800**	**0.9174**	**0.2294**
17.2036	**15.0560**	**14.5420**	**11.3633**
91.5516	**120.4595**	**115.2522**	**16.2074**
		0.0010	
		0.0050	

		1993	1994	1995	1996	1997	1998
F005	Non-halogenated solvents						
F006	Wastewater treatment sludge	**58.9960**	**39.6116**	**22.7556**	**25.2840**	**23.5984**	
F007	Spent cyanide plating bath solutions					**3.3360**	
F008	Plating bath residues				**12.6420**	**5.8380**	
F009	Spent stripping and cleaning bath solutions		**3.3360**	**6.2550**	**9.7369**	**15.2830**	**26.3127**
NONE	Blank/Unknown						
	Grand Total	**62.7490**	**53.7686**	**37.2879**	**85.6025**	**126.7044**	**121.2779**

1999	2000	2001	2002	2003	2004	2005	2006
7.1638	**12.2206**	**5.4127**	**4.9640**	**5.6068**	**9.0871**	**10.6136**	**23.4128**
1.6680							**4.8163**
23.1434	**21.0585**	**34.4233**	**15.0954**	**11.3841**	**10.5710**		
						1.1468	
99.6303	**217.6101**	**208.3089**	**111.6635**	**103.7017**	**126.3597**	**165.9031**	**152.6439**

2007	2008	2009	2010
0.8428			
21.0700	**24.4412**	**18.5416**	**2.5284**
6.6095	**4.4828**	**6.8805**	**5.0457**
2.5284			
142.4201	**170.5173**	**160.6985**	**41.6708**

13.4 lb/sol.

P/O EVALUATION - STORAGE TANK, BIN OR SILO

Name of Applicant DIXON HARD CHROME INC. Appl. No. 114100
Date of Inspection 9/19/83 Time of Insp. ____ to ____ APCD Zone No. ____
Persons Contacted R. DIXON Est. Cost ____
Weather ____ Wind ____ Date A/C Granted ____ by ____
Equipment Description STORAGE TANK, PERCHLOROETHYLENE, 3'10" DIA. X 6'-8" H., 500 GALS CAPACITY.
Located at: 11645 PENROSE ST., SUN VALLEY, CA 91352
Reason Application Required: ☐ New Const. ☐ Change of Location ☐ Change of Operator ☐ Alteration ☒ Other EXISTING EQUIP W/O A P/O.
Location of Equipment: ☐ Underground ☒ Above Ground ☒ Plot Plant in this Application ☐ Plot Plan in Application ____ Dwg. ____
Description of Materials Stored:
Solids ____ Liquids PERCHLOROETHYLENE. Cl_2CCCl_2
Initial BP of Liquid Compound or Mixture: 121°C
Materials Output:
☐ Raw Material for Manufacturing Permit Unit Appl. ____
☐ Packaging Equipment ____
☐ Tank or Truck Loading ____
☒ Other TWO DEGREASERS (PO P53654 & P48575)
Materials Input:
☐ Product From Manufacturing Permit Unit Appl. ____
☒ Tank Car or Truck ☐ Hand Dump ☐ Other ____
Tank Is:
☒ Unheated
☐ Heated Steam ____ Other ____
Tank Vents:
☒ Directly to Atmosphere
☐ Vent Trap or Filter; Description ____
☐ Control Equipment Desc. ____
See Application ____ Permit No. ____
* From Perry's Chem. ENGR. HANDBOOK.
Filling Losses:

$$F = \frac{2.4\ M\ P\ V\ K}{100{,}000\ C} = \frac{2.4\ (164)^{*}\ (0.4)^{*}\ (500)\ (1)}{100{,}000\ (1)} = 0.8 \text{ pounds/FILL}$$

(0.8 lbs/FILL)(1 FILL/500 GAL)(300 GAL/HR) = 0.5 lbs/HR
≡ 0.8 lbs/D

(F = filling loss, lb.; M = average mol wt, lb.; P = vapor press, psia; V = volume filled, gals; K = saturation in vapor space, usually 1; and C = compressibility factor, usually 1 for most organic liquids)

Turnover Frequency 4
Evaluation and Disposition:
☐ Emissions Expected ____ Opacity for ____ minutes
Odors ____
☒ Violations of Rules 401 and 402 Are Not Expected.
☐ Permit to Operate is Denied (Reasons in Letter of Denial).
☒ Permit to Operate is Recommended.
☐ Standard Conditions ____
☐ Special Conditions ____

Comments: ____

(Reviewer) Charles Chang (Engineer Signature)

0784

2912

AC

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

PLEASE TYPE OR PRINT

SCAQMD USE: AC | 3T46034

1A. PERMIT TO BE ISSUED TO: Dixon Hard Chrome, Inc.
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

1B. Mr. & Mrs. Richard W. Dixon
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS: 11645 Pendleton St. Sun Valley, Ca
NUMBER STREET CITY OR COMMUNITY STATE

2B. 91352
ZIP CODE

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME"): same
NUMBER STREET CITY OR COMMUNITY ZIP CODE

3B. Lankershim
NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIALS & NAME): Ron Dixon

4B. CONTACT PHONE NO. (AREA & NO.): 767-9650

5. EQUIPMENT: APPLICATION IS HEREBY MADE FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT:
Delta Vapor Degreaser, Model #NP4-3030, S/ND-9169 Tank#Y25
note: This replaces Delta Vapor Degreaser Model #DH-425, S/N D-2016 installed in 1972 (tank#14)

5B. PRIMARY AIR POLLUTION CONTROL EQUIP.: na

5C. SECONDARY AIR POLLUTION CONTROL EQUIP.: na

5D. BOILER OPERATING CAPACITY: na (THOUSANDS OF BTU/HR.) % BOILER STEAM USED FOR SPACE HEAT: na

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER.
na
NAME PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION:
13 NEW CONSTRUCTION [X] 1
ALTERATION [ ] 2
CHANGE OF LOCATION [ ] 3
CHANGE OF OWNERSHIP [ ] 4

8. TYPE OF ORGANIZATION:
14 CORPORATION [X] 1
PARTNERSHIP [ ] 2
INDIVIDUAL OWNER [ ] 3
LOCAL GOV'T. AGENCY [ ] 4
STATE AGENCY [ ] 5
FEDERAL AGENCY [ ] 6
UTILITY [ ] 7

9. NO. OF EMPLOYEES AT THIS LOCATION: 35 (15-18)

10. AREA OF: 9,500 ft2 1/2 acre lot
ACRES TO TENTHS

11. ESTIMATED COST OF EQUIPMENT OR ALTERATION:
BASIC EQUIPMENT $ 8,500. (25-31)
AIR POLLUTION CONTROL EQUIPMENT $ included (32-38)
ANNUAL MAINTENANCE COST OF CONTROL EQUIPMENT $ 1,800. (39-45)

12. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? Dec. 1979 ESTIMATED COMPLETION DATE? Dec. 1979

13. GENERAL NATURE OF BUSINESS: Electroplating

14. PRINCIPAL PRODUCT: plating & inspection service (46-55)

15. % ANNUAL THROUGHPUT BY QUARTERS:
DEC-FEB 25 % (56-57) MAR-MAY 25 % (58-59) JUN-AUG 25 % (60-61) SEP-NOV 25 % (62-63)

15A. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES [ ] 1
64 NO [X] 2
IF YES, STATE NATURE OF DATA IN ITEM 23.

16. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT:
HOURS/DAY 17
DAYS/WEEK 5
WEEKS/YEAR 52
(65-70)

17. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION: Ronald W Dixon

18. OFFICIAL TITLE OF SIGNER: V.P.

19. TYPED OR PRINTED NAME OF SIGNER: Ronald W. Dixon

20. PHONE NO.: 767-9650

21. DATE: 5-8-82

SCAQMD USE ONLY

STATE (13-14)	COUNTY (15-18)	AQCR (19-20)	CITY (21-24)	NEDS I.D. NO. (25-28)	DATE (29-33)
05	4200 LA, 8440 OR, 4420 RIV, 6700 SB	24 SCAB, 33 SDD			

C.R. (34-36)	L.C. (37-38)	SIC (39-42)	IPP (43-45)	ST. LIST NO. (45-49)	ALPHA LIST NO. (50-57)	EQUIP. CAT. NO. (58-65)
005 SCB, 011 SDD	(UNIT)					

APPLICATION NO. (13-18)	PERMIT NO. (19-24)	TYPE (25)	WORK UNITS (26-29)	ASSIGNMENT (30-31)	CLASS (32)
42702		0 or C	A/C P/O	Comp UNIT ENGR	1 1 III 2

VALIDATION (33-37)	FILING FEE (38-41)	CHECK OR MONEY ORDER NO. (42-49)
MAY 18 1982	$ 134-	7812 mm
	PERMIT FEE (50-53) $	CHECK OR MONEY ORDER NO. (54-61)

Form 400A - REVISED 12-1-76. PRIOR VERSIONS NOT VALID

(Continued on reverse)

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 39566

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: DIXON HARD CHROME, INC.
11645 PENDLETON STREET
SUN VALLEY, CALIFORNIA

EQUIPMENT LOCATED AT:

APPL. NO. C-42702

FILE COPY

EQUIPMENT DESCRIPTION AND CONDITIONS:

DEGREASER, DELTA INDUSTRIES, VAPOR-SPRAY TYPE, MODEL NP5-3030, 2'-6" W. X 5'-0" L. X 4'-7" H., INSIDE TANK DIMENSIONS, SERIAL NO. 09169, HOT WATER HEATED, WITH A 1/3 H.P. SPRAY PUMP, AND A WATER JACKET.

This initial permit must be renewed by 10/01/84 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 07/23/84

76P235M-REV. 2-81

M 39566

CONTINUATION OF PERMIT NO._____
(MUST BE DISPLAYED WITH PERMIT)

-CONDITIONS-

1. ORGANIC SOLVENTS USED IN THIS EQUIPMENT MUST BE CLEARLY LABELED AS NON-PHOTOCHEMICALLY REACTIVE BY THE SUPPLIER OR, FOR BULK SHIPMENTS, SHOWN TO BE NON-PHOTOCHEMICALLY REACTIVE ON BILLS OF LADING OR INVOICES.

2. SOLVENT LOSS FROM THIS DEGREASER MUST NOT EXCEED 5 GALLONS IN ANY ONE DAY.

3. THIS DEGREASER MUST USE ONLY 1,1,1-TRICHLOROETHANE, METHYLENE CHLORIDE, TRICHLOROTRIFLUOROETHANE OR ANY COMBINATION OF THESE SOLVENTS.

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE
FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION
SEE REVERSE SIDE

PLEASE TYPE OR PRINT

SCAQMD USE: WO | | 12748 (ID NUMBER)

1A. PERMIT TO BE ISSUED TO: Dixon Hard Chrome, Inc.
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

1B. Ronald W. Dixon, v.p.
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS: 11645 Pendleton St., Sun Valley, Ca ~~XXXXX~~ ~~XX.~~
NUMBER | STREET | CITY OR COMMUNITY | STATE

2B. 91352 (ZIP CODE)

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME"): same
NUMBER | STREET | CITY OR COMMUNITY | ZIP CODE

3B. Lankershim (NEAREST INTERSECTING STREET)

4A. CONTACT PERSON (INITIALS & NAME): Ronald W. Dixon

4B. CONTACT PHONE NO. (AREA & NO.): (213 767-9650

5. EQUIPMENT: APPLICATION IS HEREBY MADE FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT:
perchlorethylene storage tank

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER.
NAME | PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION FOR EQUIPMENT:
NEW CONSTRUCTION ☐
ALTERATION ☐
CHANGE OF LOCATION ☐
CHANGE OF OWNERSHIP EXISTING EQUIPMENT WITHOUT PRIOR PERMIT ☒ change in rule 219
CHANGE OF CONDITIONS ☐

8. TYPE OF ORGANIZATION:
CORPORATION ☒
PARTNERSHIP ☐
INDIVIDUAL OWNER ☐
LOCAL GOV'T AGENCY ☐
STATE AGENCY ☐
FEDERAL AGENCY ☐
UTILITY ☐

9. ESTIMATED COST OF EQUIPMENT OR ALTERATION: na
BASIC EQUIPMENT $ _____ AIR POLLUTION CONTROL EQUIPMENT $ _____

10. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? _____ ESTIMATED COMPLETION DATE? _____

11. GENERAL NATURE OF BUSINESS: plating & inspection service

12. PRINCIPAL PRODUCT: service

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES ☐ NO ☒
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT:
HOURS / DAY 24
DAYS / WEEK 7
WEEKS / YEAR 52

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES ☐ NO ☒

15a. ARE ALL COMPANIES' FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES ☒ NO ☐

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION: Ronald W Dixon

17. OFFICIAL TITLE OF SIGNER: v.p.

18. TYPED OR PRINTED NAME OF SIGNER: Ronald W. Dixon

19. PHONE NO. (213 767-9650

20. DATE 8-31-83

SCAQMD USE

SIC NO. | EQUIP. CAT. NO.: | SCH/STEP:

APPLICATION NO. | PERMIT NO. | TYPE B OR C | WORK UNITS A/C P/O | ASSIGNMENT UNIT ENGR | CLASS I - III

VALIDATION | FILING FEE. $ | CHECK OR MONEY ORDER NO.

Form 400A - REVISED 8-83 PRIOR VERSIONS NOT VALID (Continued on reverse) E-1

SEE REVERSE FOR FEES REQUIRED UPON FILING duplicate

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

STORAGE TANK SUMMARY

(SEE REVERSE SIDE FOR INSTRUCTIONS)

ONE COPY OF THIS FORM MUST BE FILLED OUT COMPLETELY FOR EACH TANK AND MUST ACCOMPANY THE APPLICATION FOR PERMIT (FORM 400-A).

1. BUSINESS LICENSE NAME OF CORPORATION, COMPANY, INDIVIDUAL OWNER OR GOVERNMENTAL AGENCY UNDER WHICH APPLICATION (FORM 400-A) IS SUBMITTED: Dixon Hard Chrome, inc.

2. TANK LOCATION: rear of building, next to driveway

3. TANK IDENTIFICATION (NUMBER OR NAME): P1

4. TANK CAPACITY: 500 gallons BARRELS GALLONS

5. TANK DIMENSIONS: DIAMETER 46 in. HEIGHT 80 in. LENGTH _____ WIDTH _____

6. TANK SHAPE: CYLINDRICAL ☒ SPHERICAL ☐ OTHER SHAPE ☐ DESCRIBE _____

7. TANK MATERIALS OF CONSTRUCTION: STEEL ☒ WOOD ☐ OTHER ☐ SPECIFY _____

8. TANK PAINT: CHALKING WHITE ☒ LIGHT GREY OR BLUE ☐ ALUMINUM ☐ DARK COLOR OR NO PAINT ☐

9. TANK CONDITION: GOOD ☒ FAIR ☐ POOR ☐

10. TANK STATUS: NEW CONSTRUCTION ☒ ALTERATION ☐

11. TYPE OF TANK: (CHECK ALL APPLICABLE) FIXED ROOF ☒ PRESSURE ☐ INTERNALLY HEATED ☐ UNDERGROUND ☐
FLOATING ROOF ☐ OPEN TOP ☐ INSULATED ☐ OTHER ☐

12. IF TANK IS TO HAVE A FLOATING ROOF, SUPPLY THE FOLLOWING INFORMATION:
TYPE OF ROOF: DOUBLE DECK ☐ PONTOON ☐ OTHER ☐ DESCRIBE _____
TYPE OF SEAL: SINGLE ☐ DOUBLE ☐ OTHER ☐ DESCRIBE _____
TYPE OF SHELL CONSTRUCTION: RIVETED ☐ WELDED ☐ OTHER ☐ DESCRIBE _____

13. IF TANK IS TO HAVE ANY OTHER TYPE OF ROOF OR COVER (OR NONE AT ALL), DESCRIBE:

14. VENT VALVE DATA: INDICATE TYPE, NUMBER, SETTINGS AND VAPOR DISPOSAL:

NA

	NUMBER	PRESSURE SETTING	VACUUM SETTING	DISCHARGING TO: (CHECK) ATMOSPHERE	VAPOR CONTROL	FLARE
COMBINATION						
PRESSURE						
VACUUM						
OPEN						

15. NAME ALL LIQUIDS, VAPORS, GASES OR MIXTURES OF SUCH MATERIALS TO BE STORED IN THIS TANK: perchloroethylene
DENSITY: _____ LBS/GAL. (OR) _____ °A.P.I.

16. TEMPERATURES AT WHICH THE ABOVE LISTED MATERIALS ARE TO BE STORED IN THIS TANK:
MINIMUM TEMPERATURE _____ °F ambient MAXIMUM TEMPERATURE _____ °F

17. IF MATERIAL STORED IS A PETROLEUM PRODUCT OR ANY OTHER TYPE OF ORGANIC MATERIAL, SUPPLY THE FOLLOWING INFORMATION FOR EACH MATERIAL: (ATTACH ADDITIONAL SHEETS, IF NECESSARY).
VAPOR PRESSURE: _____ LBS. REID (OR) _____ LBS. PER SQ. IN. ABSOLUTE AT _____ °F
INITIAL BOILING POINT: _____ °F
FOR HEAVY PETROLEUM PRODUCTS ONLY: FLASH POINT: _____ °F

18. OPERATIONAL DATA:
MAXIMUM FILLING RATE: _____ BARRELS PER HOUR (OR) 300 GALLONS PER HOUR
AVERAGE OUTAGE: (AVERAGE DISTANCE FROM TOP OF TANK SHELL TO LIQUID SURFACE) .5 FT
AVERAGE THROUGHPUT: _____ BARRELS PER DAY (OR) 10 GALLONS PER DAY
TANK TURNOVERS PER YEAR: 4

19. IF MATERIAL STORED IS A SOLUTION, SUPPLY THE FOLLOWING INFORMATION:
NAME OF SOLVENT: _____ NAME OF MATERIAL DISSOLVED: _____
CONCENTRATION OF MATERIAL DISSOLVED: _____ % BY WEIGHT (OR) _____ % BY VOLUME (OR) _____ LBS./GALLON

20. IF MATERIAL STORED IS A GAS OR A LIQUIFIED GAS WHICH IS NOT A PETROLEUM PRODUCT, SUPPLY THE FOLLOWING INFORMATION:
IDENTIFY THE MATERIAL: _____
PRESSURE AT WHICH MATERIAL IS STORED: _____ LBS. PER SQ. IN. GAGE AT _____ °F

THE ABOVE INFORMATION IS SUBMITTED TO DESCRIBE THE USE OF THE TANK FOR WHICH APPLICATION FOR PERMIT IS BEING MADE ON THE ACCOMPANYING FORM 400-A:
SIGNATURE OF RESPONSIBLE MEMBER OF FIRM: → Ronald W Dixon 8-31-83

TYPE OR PRINT NAME AND OFFICIAL TITLE OF PERSON SIGNING THIS DATA FORM.
NAME Ronald W. Dixon
TITLE V.P.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

9150 Flair Drive, El Monte, CA 91731

RECORD OF TELEPHONE CONVERSATION

DIXON HARD CHROME INC. — Appl. Name

Date 9/19/83

Appl. No. 114100

(213) 761-9650 — Applicant's Telephone No.

Engineer C. CHANG

ROD DIXON - V.P. — Person contacted and title

Time 11:25 (a.m.) p.m.

Unable to speak to applicant at this time. ☐

A message was left for him to return call. ☐

Acknowledged receipt of application(s). ☒

Will contact applicant for (1) Appointment ASAP ☐

(2) Additional Info ☐

(3) ☐

Requested additional information: ☒

CONVERSATION:

- PENC IS DELIVERED BY TANK TRUCK. FOR LOADING, A HATCH IS OPENED AT THE TOP OF THE TANK AND A HOSE IS DROPPED INTO THE TANK. UPON COMPLETION OF LOADING, THE HOSE IS PULLED OUT AND THE HATCH IS CLOSED.

- PENC IS WITHDRAWN FROM THE TANK AND USED IN TWO GREASERS. WILL CALL BACK WITH P.O NUMBERS.

9-19-83
2:10 PM R DIXON.
DEGREASER P.O. NOS ARE P53654 & P28525

SCAQMD

NSR REG. XIII DATA SHEET
cont'd

TRADEOFFS: Emissions previously credited to: CO. ID #_____

COMPANY NAME _____ APPLC'N #_____

EQUIPMENT LOCATION _____

CONTAMINANT	RHC	NO_x	SO_x	CO	PART	LEAD	
#/DAY							

TOXIC MATERIALS: Emission increase or decrease from this permit unit credited to this location (specify contaminant code number)

CONTAMINANT	24				
Max #/day	+ 0.9				
Actual w/internal BACT #/day					
Actual w/o BACT #/day	+ 0.8				

BANKING USED: ☐ Registration

CONTAMINANT	RHC	NO_x	SO_x	CO	PART	LEAD	_____
#/day used							

☐ Certificate

Cert Number	RHC #/day	NO_x #/day	SO_x #/day	CO #/day	Part #/day	Lead #/day	_____ #/day

RULE 219 EXEMPT EQUIPMENT: Enter emissions from equipment exempt from permit by Rule 219 (Indicate "+" or "-")

Identifying number_____ Equipment category #_____

Exempt by Rule 219 (___)(___)(___) Date installed_____

CONTAMINANT	RHC	NO_x	SO_x	CO	Part	Lead	
Max #/day							
Act #/day							

---Toxic materials from this exempt equipment:

CONTAMINANT						

SCAQMD
ENGINEERING DIVISION
NEW SOURCE REVIEW REGULATION XIII DATA SHEET

1 ☐ P/C 2 ☒ P/O 3 ☐ C/O

COMPANY ID# 12148
APPLICATION # 114100

COMPANY NAME DIXON HARD CHROME INC. DATE 9/19/83
EQUIPMENT LOCATION 11645 PENDLETON ST., SUN VALLEY, CA 91352

APPLICABLE NEW SOURCE RULE:
1 ☐ None (applic'n rec'd before 10-8-76)
2 ☐ Rule 213 (applc'n rec'd before 7-1-79 & on or after 10-8-76)
3 ☐ Original Reg 13 (applic'n rec'd before 1-1-83 & on or after 7-1-79)
4 ☒ Revised Reg 13 (applc'n rec'd on or after 1-1-83)

SPECIAL CASES:
1 ☐ Banking Ref Applc'n #_____
2 ☐ Reg 13 Exempt
3 ☐ Mitigations 4 ☐ Tradeoffs
5 ☒ Toxic Materials
6 ☐ Banking Cert./Reg. Used
7 ☐ Rule 219 Exemptions

EMISSION INCREASE OR DECREASE FROM THIS PERMIT UNIT CREDITED TO THIS LOCATION (Indicate "+" or "-"): ☐ 1.1 factor used for Max

CONTAMINANT	RHC	NO_x	SO_x	CO	Part	Lead	UnRHC
Max #/day	+0.9						
Actual w/internal BACT #/day							
Actual w/o BACT #/day	+0.8						

REGULATION XIII EXEMPT EMISSIONS (Indicate "+" or "-")
Exempt by Rule 1304 (____)(____)

CONTAMINANT	RHC	NO_x	SO_x	CO	Part	Lead	UnRHC
Max #/day							
Actual #/day							

MITIGATIONS ACHIEVED CONCURRENT WITH THIS APPLC'N (Indicate "+" or "-")

APPLIC'N NUMBER	RHC #/day	NOx #/day	SO_x #/day	CO #/day	Part #/day	Lead #/day	UnRHC #/day

Engineer C. CHANG Date 9 Reviewing Engineer_____ Date_____

Revised 6/83

NO FIELD INSPECTION MADE

INSTRUCTIONS FOR PERMIT WORDING & FEE DATA

Application No. DIXON HARD CHROME INC.

DISPOSITION:	PERMIT UNIT WORDING:	CONDITIONS:
[X] APPROVED	[ ] BELOW	[X] NONE
[ ] DENIED	[ ] ON FIELD REPORT DATED _____	[ ] NUMBERS LISTED _____
[ ] CANCELED - DON'T REFUND FILING FEE	[ ] ON PAGE ____ OF PROCESS SHEETS	[ ] SPECIAL (SEE PERMIT UNIT WORDING & CONDITIONS)
[ ] CANCELED - REFUND FILING FEE. SEE COMMENTS	[X] ON MEMO DATED 9/19/83	[ ] AS ON _____
[ ] EMISSION REDUCTION CREDIT		

PREVIOUS PERMIT NO. NONE

PERMIT UNIT WORDING & CONDITIONS:

[ ] P/C [X] P/O LATE [ ] YES [ ] NO

[ ] CHANGE OF OWNERSHIP [ ] ALT. INCREASE IN RATING [ ] GOVERNMENT (OTHER) [ ] FEDERAL GOV'T
[ ] CHANGE OF CONDITION [ ] ALT. NO RATING INCREASE [ ] EMISSION REDUCTION

SCHEDULE	(1) H.P	(2) 1000s BTU	(3) KVA	(4) SQ. FT.	(5) GALLONS	(6) GASOLINE FUELING	(7) EXCEPTIONS
RATING					500		
FEE					31		

1. 301 (b) (1) ENGR'G EVAL. FEE: SCHED. 5 STEP A FEE 31
2. 301 (b) (1) REDUCTION ANAL. FEE:

Contaminant	HC	NO_X	SO_2	CO	Part	Total
LBS/DAY RED.						

FEE _____ X $2/LB - DAY

3. 301 (f) MODELING FEE: _____ HRS. X $35.00 FEE _____
4. 301 (j) LATE FEE FOR NOT OBTAINING P/C: (PENALTY FEES)

Comments: _____

ENGINEERING ANALYSIS
FEE ( ) X 0.5 = PENALTY FEE _____
ANNUAL OPERATING
FEE ( ) X 0.5 = PENALTY FEE _____
REDUCTION ANALYSIS
FEE ( ) X 0.5 = PENALTY FEE _____
TOTAL FEE 31
REFUND _____

WORK UNITS (3)

RECOMMENDED BY C. CHANG DATE 9/19/83 REVIEWING ENGINEER HW DATE SEP 30 1983

South Coast
AIR QUALITY MANAGEMENT DISTRICT

9150 E. FLAIR DRIVE, EL MONTE, CA 91731

OCT. 20, 1983

	PERMIT NO(S)	APPLICATION NO(S)
DIXON HARD CHROME, INC. 11645 PENDLETON STREET SUN VALLEY, CA 91352	M33812	114100

WYC ATTN: RONALD W. DIXON

TRANSMITTED HEREWITH ARE THE PERMIT(S), LISTED ABOVE, AUTHORIZING YOU TO OPERATE THE DESCRIBED EQUIPMENT IN COMPLIANCE WITH RULE 206.

RULE 206. A person granted a permit under Rule 203 shall not operate or use any equipment unless the entire permit to operate or a legible facsimile of the entire permit is affixed upon the equipment in such a manner that the permit number, equipment description, and the specified operating conditions are clearly visible and accessible. In the event that the equipment is so constructed that the permit to operate or the legible facsimile cannot be so placed, the entire permit to operate or the legible facsimile of the entire permit shall be mounted so as to be clearly visible in an accessible place within 8 meters (26 FEET) of the equipment or as otherwise approved by the Executive Officer.

EDP SEGMENT 3

EQUIPMENT AND EMISSION INPUT FORM

NAME OF FIRM Dixon Hard Chrome Inc. LOCATION ADDRESS 11605 Pendleton St. Sun Valley, CA 91352

REASON FOR INACTIVATION: 1. ALTERATION 2. CHANGE OF OPERATOR 3. MOVED 4. REMOVED 5. OUT OF BUSINESS

SUBS. APPLICATION NO. _____ INACTIVATION DATE __ __ __ __ __ __

ACTION CODE E (A) C D

ACTION CODE: A = ADD C = CHANGE D = DELETE

APPL. NO.	I. D. NO.	PERMIT NO.	P/O DATE MM/DD/YY	BILLING DATE YY/MM	SEDAB L.A. 1 S.B. 2 or RIV. 3	ENF. W.U.
114100	012748	M33812	102083	__/__		

EQUIPMENT RATING	FEE SCHEDULE/STEP	EQ. CATEGORY NO. BASIC	CONTROL	EQUIP. TYPE A (B) C D	COST OF EQUIPMENT (x 100)	PER. NO 0	COND. YES 1
2000500	5/A	2889001				FT. (2)	3

OPERATING WEEKS/YR		MON	TUES	WED	THURS	FRI	SAT	SUN
4	EMISSION START	10						
	EMISSION STOP	11.7						

POLLUTANTS	RHC	THC	NO_x	SO_2	CO	PART.	OTHER			
R1 (LBS/HR)		051								
R2 (LBS/HR)		051								

COMPLETED BY C. CHANG DATE 9/19/83

EDPEQ 1/81

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

FILING FEES

(effective August 1, 1983)

Except as noted following, a $250 filing fee must accompany each application for Permit to Construct/Operate.

1. For small businesses the filing fee is $160. The small business declaration form below must be completed in order to be considered a small business.

2. Each application for change of ownership requires a $110 transfer fee.

3. All state, local governmental agencies or public districts are exempt from paying filing fees and change of ownership fees.

Sent To Eng.	Returned From Eng.	App. Assigned	Payment Posted
9/6	9/12		
Completed App. To Eng.	Ref. To C/S	Returned From Eng.	
9/12			

SEE APPLICATION INSTRUCTIONS FORM 400-B FOR ADDITIONAL INSTRUCTIONS

Call (213) 572-6212 for assistance

SUPPLEMENTAL DATA FORMS REQUIRED

Special supplemental data forms must be completed for: BOILERS, LIQUID HEATERS, DEGREASERS, DRY CLEANING EQUIPMENT, OVENS, SPRAY BOOTHS AND STORAGE TANKS.

SMALL BUSINESS DECLARATION

In order to be considered a small business as specified in Regulation XIII, this form must be completed. If not a small business, do not complete this form.

A "Small Business": is a business which is independently owned and operated and meets the following criteria or, if affiliated with another concern, the combined activities of both concerns meet these criteria:

The number of employees is 10 or less; and
The total annual receipts are $500,000 or less.

I hereby certify, under penalty of perjury, that the business enterprise containing the emission source(s) for which an SCAQMD Permit to Construct or Permit to Operate is being applied herein qualifies as a SMALL BUSINESS, based on compliance with the definition above:

RECEIVED 29 Fri '83

Signature of Applicant	Date	( ) Telephone Number
Printed or Typed Signature		Company Name

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE
FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION
SEE REVERSE SIDE

PLEASE TYPE OR PRINT

SCAQMD USE: WD | | 12748 (SEC | TB | ID NUMBER)

1A. PERMIT TO BE ISSUED TO: Dixon Hard Chrome, Inc.
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

1B. Ronald W. Dixon, v.p.
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS: 11645 Pendleton St., Sun Valley, Ca ~~XXXXX~~ XX. (NUMBER STREET CITY OR COMMUNITY STATE)

2B. 91352 (ZIP CODE)

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME"): same (NUMBER STREET CITY OR COMMUNITY ZIP CODE)

3B. Lankershim (NEAREST INTERSECTING STREET)

4A. CONTACT PERSON (INITIALS & NAME): Ronald W. Dixon

4B. CONTACT PHONE NO. (AREA & NO.): (213 767-9650

5. EQUIPMENT: APPLICATION IS HEREBY MADE FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT:
perchlorethylene storage tank

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER.
NAME _____ PREVIOUS PERMIT NUMBER _____

7. PERMIT APPLICATION FOR EQUIPMENT:
- NEW CONSTRUCTION ☐
- ALTERATION ☐
- CHANGE OF LOCATION ☐
- CHANGE OF OWNERSHIP ☐
- EXISTING EQUIPMENT WITHOUT PRIOR PERMIT ☒ change in rule 219
- CHANGE OF CONDITIONS ☐

8. TYPE OF ORGANIZATION:
- CORPORATION ☒
- PARTNERSHIP ☐
- INDIVIDUAL OWNER ☐
- LOCAL GOV'T AGENCY ☐
- STATE AGENCY ☐
- FEDERAL AGENCY ☐
- UTILITY ☐

9. ESTIMATED COST OF EQUIPMENT OR ALTERATION:
na
BASIC EQUIPMENT $ _____ AIR POLLUTION CONTROL EQUIPMENT $ _____

10. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? _____ ESTIMATED COMPLETION DATE? _____

11. GENERAL NATURE OF BUSINESS: plating & inspection service

12. PRINCIPAL PRODUCT: service

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES ☐ NO ☒
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT:
HOURS / DAY 24
DAYS / WEEK 7
WEEKS / YEAR 52

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES ☐ NO ☒

15a. ARE ALL COMPANIES' FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES ☒ NO ☐

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION: Ronald W Dixon

17. OFFICIAL TITLE OF SIGNER: v.p.

18. TYPED OR PRINTED NAME OF SIGNER: Ronald W. Dixon

19. PHONE NO. (213 767-9650

20. DATE 8-31-83

SCAQMD USE

SIC NO. 3471 3499 | EQUIP. CAT. NO.: 223900 | SCH/STEP: 5/A SEP 14 1983

APPLICATION NO. 114100 | PERMIT NO. | TYPE (B OR C) | WORK UNITS A/C P/O | ASSIGNMENT 7 UNIT ENGR | CLASS 1 (B)

VALIDATION 9/2/83 | FILING FEE 250 | CHECK OR MONEY ORDER NO. 9268

Form 400A - REVISED 8-83 PRIOR VERSIONS NOT VALID (Continued on reverse) C-1

SEE REVERSE FOR FEES REQUIRED UPON FILING

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 33812

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: DIXON HARD CHROME, INC.
11645 PENDLETON STREET
SUN VALLEY, CALIFORNIA

APPL. NO. 114100

EQUIPMENT LOCATED AT:

EQUIPMENT DESCRIPTION AND CONDITIONS:
STORAGE TANK, PERCHLOROETHYLENE, 3'-10" DIA. X 6'-8" H., 500 GALS CAPACITY.

FILE COPY

This initial permit must be renewed by 10/01/84 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

VIRGINIA MOY

BY

10/20/83

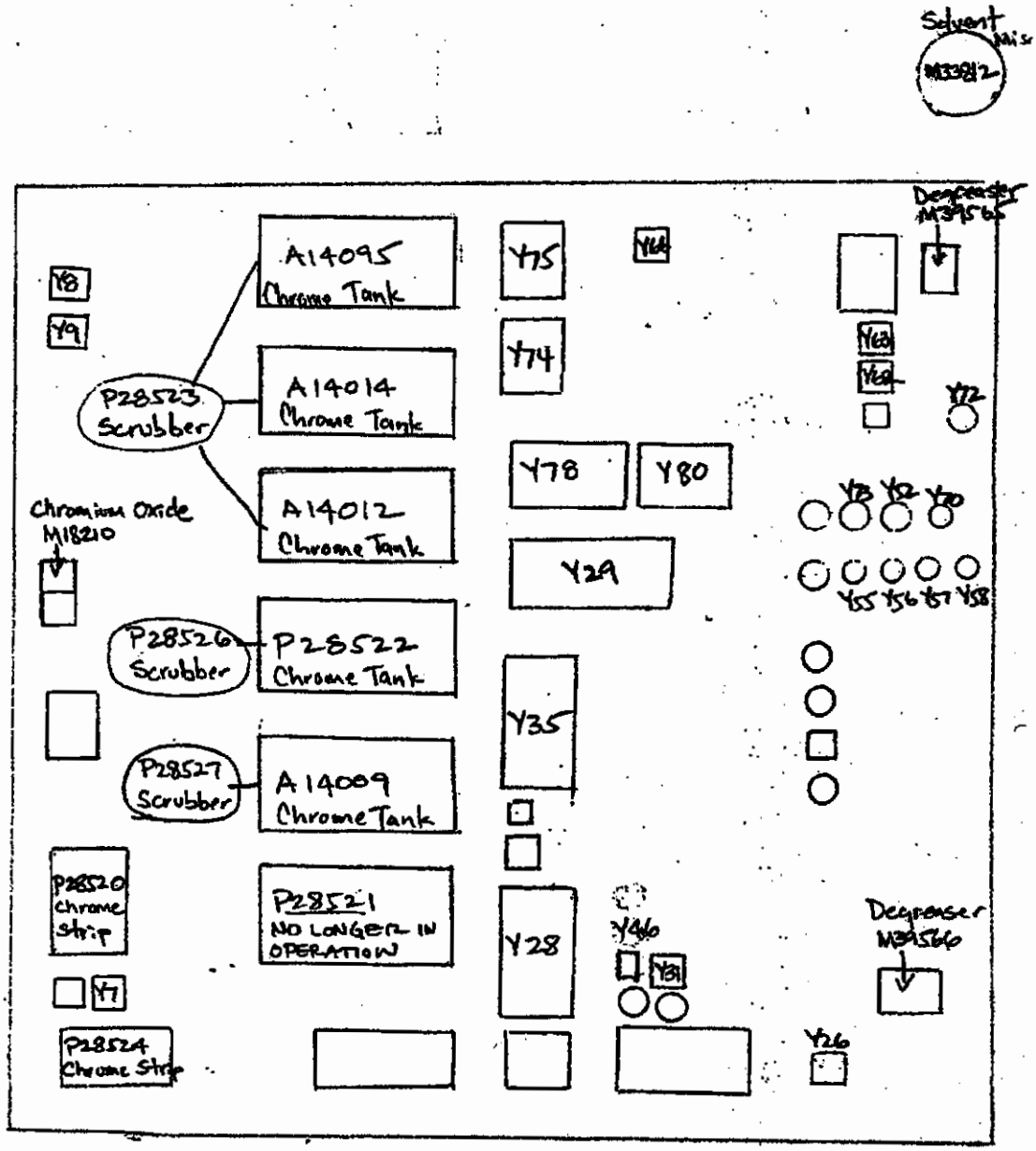
DATE

76P235M-REV. 2-81

Dixon Hard Chrome, Inc.
11645 Pendleton Street
Sun Valley, Ca. 91352

Equipment Location Drawing

1. All equipment with permits are listed by there number
2. New Rule 219 – are shown by location and identified by tank number.



16-500118

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
ENGINEERING DIVISION
APPLICATION PROCESSING AND CALCULATIONS

PAGES	PAGE
	1
APPL. NO. C-26080	DATE 2/12/81
PROCESSED BY MDM	CHECKED BY

Emission Calculations:

The treatment system has been in operation since 1962, so no AEDS calculations are necessary. ✓

For EDP

5 lbs of sodium metabisulfite is used every day. The only emissions would result from dumping the sodium metabisulfite in the volumetric feeder. Since there are no emission factors available for a volumetric feeder, the emission factor for transferring Na_2CO_3 will be used.

From AP-42, the emission factor for transferring Na_2CO_3 is 6 lbs of particulates per ton.

The dumping time is less than 1 hr/day

Particulates

$R_1 = R_2 = (5.0 \text{ lbs/day})(6 \text{ lbs}_{\text{part.}}/2000 \text{ lbs})/(1 \text{ hr/day})$ ✓

$R_1 = R_2 = \underline{0.015 \text{ lbs/hr}}$

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

9150 Flair Drive, El Monte, CA 91731

RECORD OF TELEPHONE CONVERSATION

Dixon Hard Chrome, Inc.
Appl. Name

Date 2/12/81

Appl. No. C-26080

(213) 767-9650
Applicant's Telephone No.

Engineer MDM

Ronald W. Dixon, V.P.
Person contacted and title

Time 9:30 (a.m.) p.m.

CONVERSATION: The waste water treatment system consists of three sumps, numbers 1, 2, and 3. In the first sump, the chrome and cyanide are mixed and the chlorine and sodium metabisulfite are added. In the second sump, caustic soda is added to neutralize the waste. The effluent then flows into a third sump to ensure that mixing is complete. Each sump is 4'-0" W. x 4'-0" L. x 10'-0" D. There are no mixers. The only pumps is a caustic feed pump with a 3/4 H.P. motor.

The sodium metabisulfite is fed by a volumetric feeder. It is hand dumped into the feeder. According to Mr. Dixon only 5 lbs/day are used.

The chlorine is gravity fed, only 2 gal/day are used.

The system has been operating at this location since 1962.

✓

Note: The I/R file contains no nuisance complaints at this location.

DEGREASER OPERATIONS PG. 1 OF 4

P/C ☐ P/O ☑

NAME DIXON HARD CHROME INC.

MAILING ADDRESS 11645 PENDLETON ST. SUN VALLEY, CA, 91352

APPL. NO. C-42702 ENGINEER AYL DATE 7/9/84 CHECKED

I. EQUIPMENT DESCRIPTION:

DEGREASER, DELTA INDUSTRIES, VAPOR-SPRAY TYPE, MODEL NPS-3030, 2'-6" W. X 5'-0" L. X 4'-7" H., INSIDE TANK DIMENSIONS, SERIAL NO. D9169, HOT WATER HEATED, WITH A 1/3 H.P. SPRAY PUMP, AND A WATER JACKET.

LOCATED AT 11645 PENDLETON ST., SUN VALLEY, CA, 91352 WHEN INSTALLED: 12/79

REASON APPL'N. REQ'D: NEW CONSTRUCTION ☒ CHANGE OF OWNERSHIP ☐ ALTERATION ☐ CHANGE OF LESSEE ☐ CHANGE OF LOCATION ☐

OPERATING SCHEDULE: 16 HRS./DAY 5 DAYS/WEEK 52 WEEKS/YEAR

II. EMISSIONS: SOLVENT USED 1,1,1 TRICHLOROETHANE %RHC (wt.) 0

AMT. PURCHASED 110 GAL/MON AMT. RECOVERED NONE GAL/MON

$\frac{110 \text{ GAL}}{\text{MON}}$ LOST X $\frac{12 \text{ MONTHS}}{1 \text{ YR.}}$ X $\frac{1 \text{ YR}}{52 \text{ WK}}$ X $\frac{1 \text{ WK}}{5 \text{ DAY}}$ = $\frac{5.08 \text{ GAL}}{\text{DAY}}$

$\frac{5.08 \text{ GAL}}{\text{DAY}}$ X $\frac{11.1 \text{ LB}}{\text{GAL}}$ = $\frac{56.4 \text{ LB}}{\text{DAY}}$, $\frac{56.4 \text{ LB}}{1 \text{ DAY}}$ X $\frac{1 \text{ DAY}}{16 \text{ HR}}$ = $\frac{3.5 \text{ LB}}{\text{HR}}$

MAX: 56.4 LB/DAY

ACTUAL W/BACT: 56.4 LB/DAY

ACTUAL W/OUT BACT: 56.4 LB/DAY

III. EVALUATION:

RULE 402: NUISANCE LIKELY ☐ UNLIKELY ☑

EXPLAIN: NO IN'S ON NUISANCE

RULE 442(f): COMPLIANCE--USING NON-PHOTOCHEMICALLY REACTIVE SOLVENT YES ☑ NO ☐

RULE 443: SOLVENT CONTAINER PROPERLY LABELED YES ☑ NO ☐

RULE 1122: COMPLIANCE/EXEMPT - (METAL) (NON-METAL) SURFACES

.(b)(1) CONTAINER FOR SOLVENT (PROVIDED) (NOT PROVIDED)

.(b)(2) TANK (COVERED) (NOT COVERED) WHEN NOT IN USE

.(b)(3) DRAINED OR DRAGGED-OUT SOLVENT (IS) (IS NOT) RETURNED TO THE SOLVENT CONTAINER

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
ENFORCEMENT DIVISION REPORT FORM

SOURCE

NAME: Dixon Hard Chrome, Inc. I.D.#: 012748 SECTOR: WO

ADDRESS: 11645 Pendleton St. CITY: Sun Valley ZIP: 91352

COMPL# 13476 VAR# ____ DENIAL ____ DUST |_| ODOR |_| SMOKE |_| OTHER X

DATE INSPECTED: 3-30-88 / 3-31-88 TIME ARRIVED: 2:55 PM AM / 0907 AM PM TIME DEPARTED: 4:10 PM AM / 0935 AM PM

INSPECTOR'S FINDINGS: 3-29-88 District received complaint # 13476 from Debra Johnson concerning air damage from chrome plating Co. 'Dixon Hard Chrome Inc.' Complaint received at 3:20 PM.

3-30-88 2:55 PM. I responded to the complaint and contacted the complainant at her home in North Hollywood. She presented me with layouts to the Plating Company (see attached diagrams) and told me the following: 1) Patched cracks (see diagram A.) refers to areas in parking area resurfaced over chemical spills. 2) Vapor degreasers at plant lack covers. 3) Blowers on roof venting chrome and nickel are emitting dangerous pollutants and are turned off

COMPLAINANT CONTACT: Debra Johnson ADDRESS: 6722 Whitsett St. (818) PHONE: 765-3589

STATEMENT: 'See Text'

SOURCE CONTACT: Bruce Rogers & Chuck Jones TITLE: Quality Mgr / Foreman (818) PHONE: 767-9650

STATEMENT: 'See Text'

RECOMMENDATION: 10-98 to Radio on 3-31-88 0935 hrs 'ONV'
Send complaint to an appropriate agency dealing with Hazardous Waste disposal

3-31-88
(DATE REPORT SUBMITTED)

John Marvin
(SIGNATURE OF INSPECTOR)

4/5/88
(DATE APPROVED)

(SUPERVISOR'S SIGNATURE)

03/86(a)

INSPECTOR'S FINDINGS: if inspectors are known to be coming. 4) Cars in area are damaged from chrome fallout. 5) Leaking nickel, cyanide, and copper chemicals near schoolyards were once present, however site has been cleaned up (See diagram A) 6) Acid Storage Area occasionally backs up leaking acids to a floor drain leading to the ground. 7) Company is a generator of hazardous waste but is not permitted for storing of wastes. 8) Blowers venting chrome tanks painted as recently as one year ago but now have chrome damage. 9) Her car is practically ruined from the chrome damage due to her picking up husband at work for the past 3 or 4 years. 10) Her husband, who used to work for the facility (He quit ~10 days ago) was sick for 6 months due to chemical poisoning from the facility. Note all information about this Plating Company has come from the complainants husband. After receiving the information I left her house ~ 3:45 PM (Note: her car was not at home. So I did not photograph)

At 3:50 PM I arrived in the vicinity of the source. I noted clear skies with North Winds at 5-10 mph. I noticed paint like odors near the source but believe the odors were from a facility next door. I surveyed the facility from the outside noting the blowers on the roof were on, I also noted the chromic acid damage to the blower vents on the roof (Brownish Spotting). I then left the area due to lack of time for a proper inspection. I left the area at 4:10 PM.

3-31-88 - 0810 AM. I arrived at Dixon Hard Chrome, INC, and contacted Bruce Rogers, the Facility Mgr, and Chuck Jones, the plant Foreman. I informed Mr. Rogers of the complaint. He was immediately aware of who the complainant was and told me it was impossible for her car to be ruined from chrome damage when she was only parked there at the facility for minutes a day. He then showed me employees cars parked in front of the building. I could see no damage. He showed me Mrs. car

— Continued

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
ENFORCEMENT DIVISION REPORT FORM

SOURCE PAGE 3-5

NAME: Dixon Hard Chrome Inc I.D.#: 012748 SECTOR: WD

ADDRESS: 11645 Pendleton St CITY: Sun Valley ZIP: 91352

INSPECTOR'S FINDINGS: — Continued —

which he said has been packed at the facility regularly for years. I also could see no damage. He said that this was a disgruntled employee problem. I then conducted an inspection of the facility with Mr. Rogers and Chuck ~~For~~ Jones.

I carefully walked through the facility and checked equipment permitted by the district and also equipment not needing ~~a~~ District Permits. I detected no problems. The facility was well kept and I could detect very little odor either inside the plant or on the roof at the scrubber units. There was some chromic acid damage on parts of the ducting at the scrubber unit but I ~~did~~ could not detect a problem with the scrubbers. Note also, the Vapor degreasers did have covers and were found to be in compliance with R1122. I left the facility at 0935 Am.

This investigation ~~should~~ might better be handled by another agency specializing in the handling and storage of Hazardous Wastes. ~~Refer the complaint to either the Hazmat office section of the District or the EPA~~ (JM)

INSP. INITIALS JM.
ELP

03/86(b)

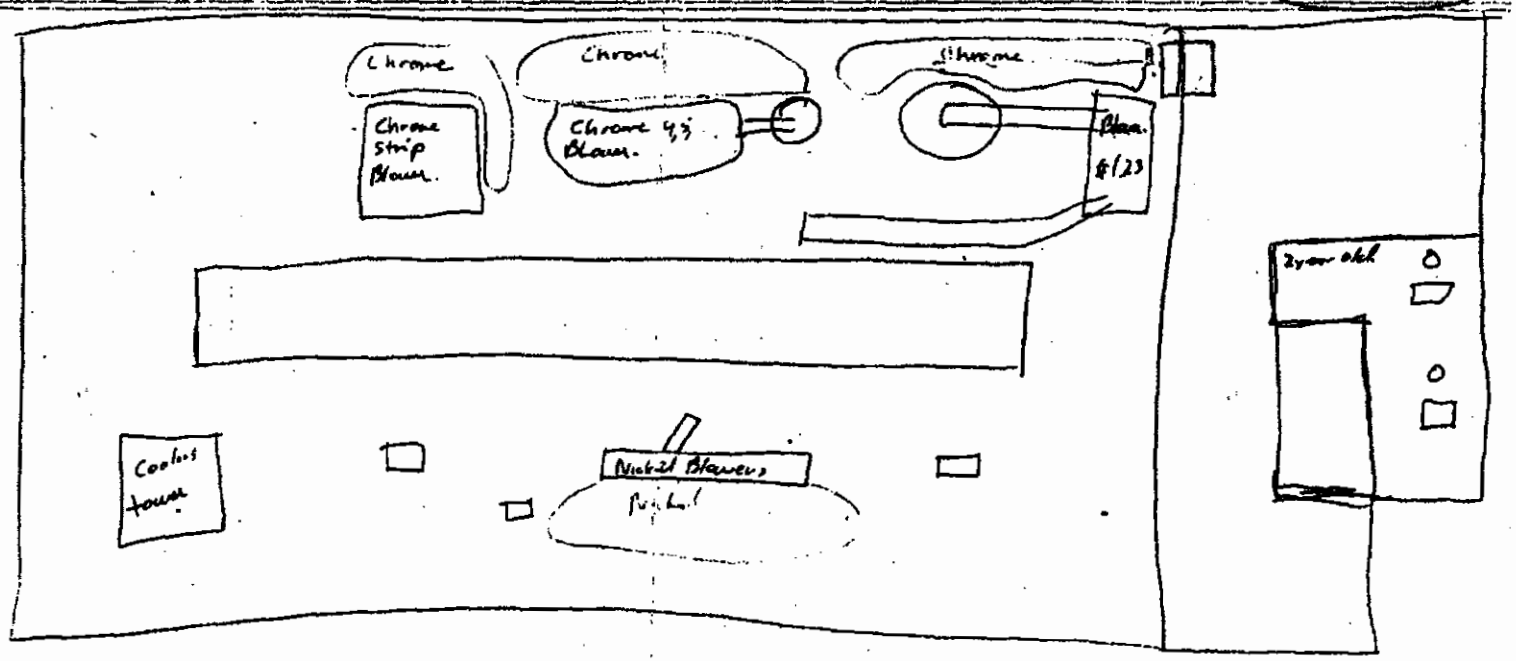
WAS REROOFED - Oct. NOV. 1987
ROOF IS SPOTED.

Check trucks parked Next door.
White Van. 2-2½ years old SPOTED
Dodge truck - 1970 Model } check tops & hoods.

p 5 of 5

Diagram B

Roof

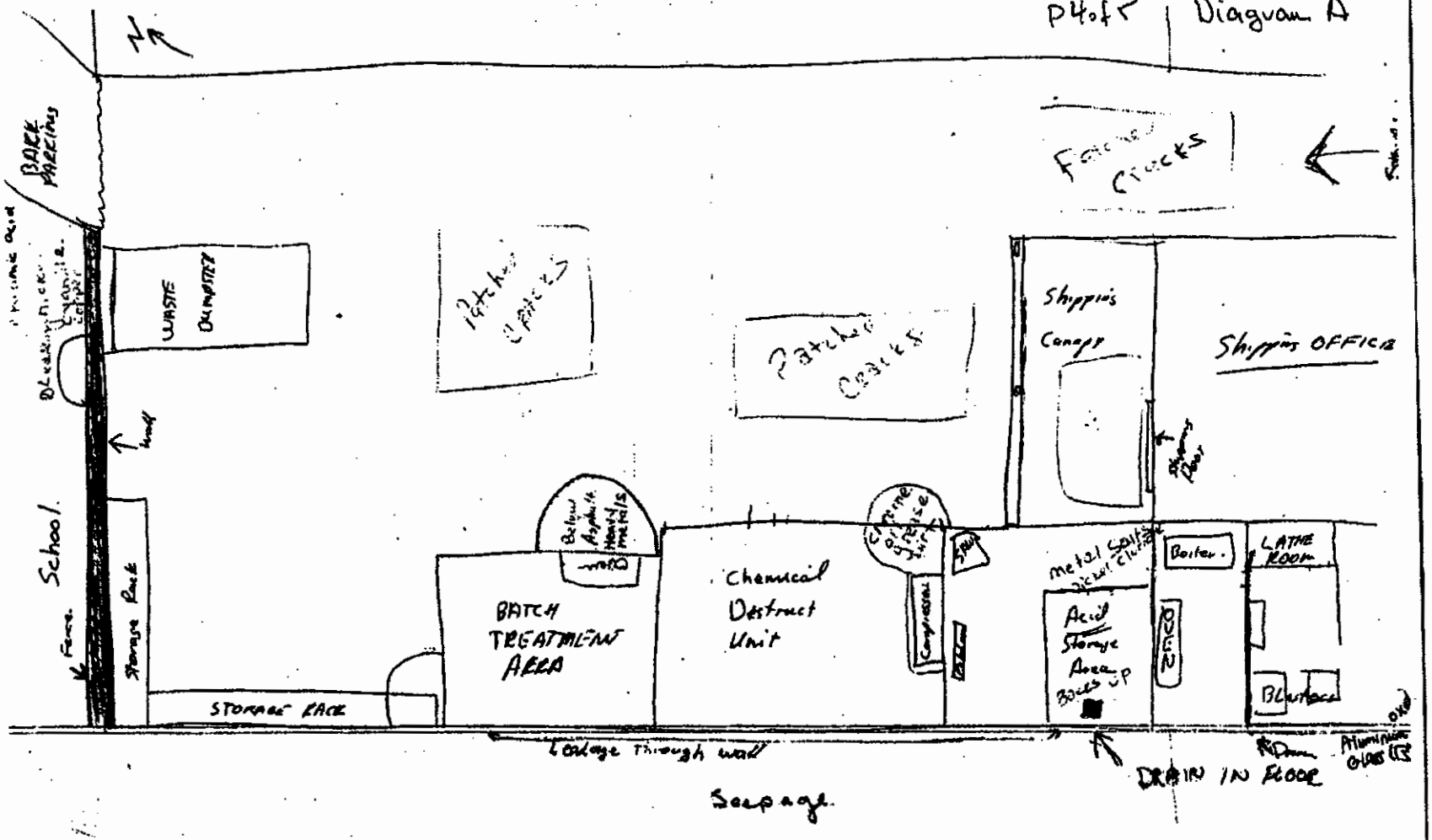


DIXONS COMPANY VAN. Chevy is Parked. In the Rear Parking lot And has been parked there for 2 years.
Van is Spoted with chrome.

Cke Cars at Creative Automation.
Check Waste Solid Dumpster Blue Rolloff is spotted.

N

Diagram A


N
BARK PARKING
WASTE DUMPSTER
Patched Cracks
Patched Cracks
Patched Cracks
Shipping Canopy
Shipping OFFICE
School
Storage Rack
STORAGE RACK
BATCH TREATMENT AREA
Chemical Destruct Unit
Compressor
Boiler
LATHE ROOM
Acid Storage Area
OVEN
Leakage Through wall
DRAIN IN FLOOR
Seepage

South Coast Air Quality Management District

Facility Equipment List Report

Facility: 12748 LMDD ENTER. INC., DIXON HARD CHROME,DBA
st Inspection: 04/05/2011
SIC: 3471
Inspector: JA04 JOHN ANDERSON
pection Date: 04/05/2011
tion Address: 11645 PENDLETON ST, SUN VALLEY 91352-2594 Sector:PC
iling Address: 11645 PENDLETON ST, SUN VALLEY 91352-2594 Sector:PC
Instruction:

MR: A 3
TS: TS-75 Toxics: Chrome Plating
Facility Status: Active
Assignment No. 1227995
Disposition: Operating in Compliance at time of inspection

Contact: LARRY DIXON (818) 7679650
Quarter: 0100 - inspect in 2nd quarter, every year
On Hold: N
Suspended: N
Facility Team: X

RECLAIM: N TITLE V: N SIP: AIR:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
114100	M33812	10/20/1983	INACTIVE	288900	BCAT	STORAGE TANK OTHER SOLVENTS N.E.C.	09/02/1983	PERMIT TO OPERATE GRANTED
191425				40	CCAT	SCRUBBER, OTHER VENTING S.S.	04/25/1989	APPLICATION CANCELLED, REFUND ALL I
196579	D57090	01/19/1993	ACTIVE	000321	BCAT	TANK, SURFACE PREPARATION - OTHER ACIDS	06/02/1989	PERMIT TO OPERATE GRANTED
196580				000325	BCAT	TANK, OTHER AQUEOUS SOLUTION	06/02/1989	APPLICATION CANCELLED, REFUND ALL I
196581	D57092	01/19/1993	ACTIVE	000325	BCAT	TANK, OTHER AQUEOUS SOLUTION	06/02/1989	PERMIT TO OPERATE GRANTED
196582	D57093	01/19/1993	ACTIVE	000310	BCAT	TANK, CADMIUM - PLATING	06/02/1989	PERMIT TO OPERATE GRANTED
196583				000312	BCAT	TANKS, NICKEL PLATING LINE	06/02/1989	APPLICATION CANCELLED, REFUND ALL I
196584	D73037	04/30/1993	ACTIVE	000312	BCAT	TANKS, NICKEL PLATING LINE	06/02/1989	PERMIT TO OPERATE GRANTED
196585	D57096	01/19/1993	INACTIVE	000325	BCAT	TANK, OTHER AQUEOUS SOLUTION	06/02/1989	PERMIT TO OPERATE GRANTED
196586	D57097	01/19/1993	ACTIVE	000325	BCAT	TANK, OTHER AQUEOUS SOLUTION	06/02/1989	PERMIT TO OPERATE GRANTED
216007				40	CCAT	SCRUBBER, OTHER VENTING S.S.	10/06/1989	APPLICATION CANCELLED, REFUND ALL I
216007				000285	BCAT	TANK CHROME PLATING HEXAVALENT	10/06/1989	APPLICATION CANCELLED, REFUND ALL I
216008				40	CCAT	SCRUBBER, OTHER VENTING S.S.	10/06/1989	APPLICATION CANCELLED, REFUND ALL I
216009				000285	BCAT	TANK CHROME PLATING HEXAVALENT	10/06/1989	APPLICATION CANCELLED, REFUND ALL I
236518	D51325	04/20/1992	INACTIVE	40	CCAT	SCRUBBER, OTHER VENTING S.S.	08/31/1990	PERMIT TO OPERATE GRANTED
236518	D51325	04/20/1992	INACTIVE	000285	BCAT	TANK CHROME PLATING HEXAVALENT	08/31/1990	PERMIT TO OPERATE GRANTED
236519	D51326	04/20/1992	INACTIVE	000285	BCAT	TANK CHROME PLATING HEXAVALENT	08/31/1990	PERMIT TO OPERATE GRANTED
236519	D51326	04/20/1992	INACTIVE	40	CCAT	SCRUBBER, OTHER VENTING S.S.	08/31/1990	PERMIT TO OPERATE GRANTED
236520	D51327	04/20/1992	INACTIVE	000285	BCAT	TANK CHROME PLATING HEXAVALENT	08/31/1990	PERMIT TO OPERATE GRANTED
236520	D51327	04/20/1992	INACTIVE	40	CCAT	SCRUBBER, OTHER VENTING S.S.	08/31/1990	PERMIT TO OPERATE GRANTED
236521	D51328	04/20/1992	INACTIVE	000285	BCAT	TANK CHROME PLATING HEXAVALENT	08/31/1990	PERMIT TO OPERATE GRANTED
236521	D51328	04/20/1992	INACTIVE	40	CCAT	SCRUBBER, OTHER VENTING S.S.	08/31/1990	PERMIT TO OPERATE GRANTED
236522	D51329	04/20/1992	INACTIVE	40	CCAT	SCRUBBER, OTHER VENTING S.S.	08/31/1990	PERMIT TO OPERATE GRANTED
236522	D51329	04/20/1992	INACTIVE	000285	BCAT	TANK CHROME PLATING HEXAVALENT	08/31/1990	PERMIT TO OPERATE GRANTED
242704				42	CCAT	SCRUBBER CHEMICAL M.S.	01/04/1991	BANKING/ PLAN GRANTED
242704				666117	BCAT	RULE 1169 COMPLIANCE PLAN	01/04/1991	BANKING/ PLAN GRANTED
282502	D75212	07/15/1993	ACTIVE	000321	BCAT	TANK, SURFACE PREPARATION - OTHER ACIDS	06/23/1993	PERMIT TO OPERATE GRANTED

ctor: _____ Date: _____ Reviewed By: _____ Date: _____

South Coast Air Quality Management District

Facility Equipment List Report

Facility: 12748 LMDD ENTER. INC., DIXON HARD CHROME,DBA
MR: A 3 Contact: LARRY DIXON (818) 7679650
Last Inspection: 04/05/2011 TS: TS-75 Toxics: Chrome Plating Quarter: 0100 - inspect in 2nd quarter, every year
SIC: 3471 Facility Status: Active On Hold: N Suspended: N
Inspector: JA04 JOHN ANDERSON Assignment No. 1227995 Facility Team: X
Inspection Date: 04/05/2011 Disposition: Operating in Compliance at time of inspection
Location Address: 11645 PENDLETON ST, SUN VALLEY 91352-2594 Sector:PC
Mailing Address: 11645 PENDLETON ST, SUN VALLEY 91352-2594 Sector:PC
Instruction:

RECLAIM: N TITLE V: N SIP: AIR:

Confidential / Not Avail.

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
327878	F42916	08/14/2001	ACTIVE	000321	BCAT	TANK, SURFACE PREPARATION - OTHER ACIDS	03/19/1997	PERMIT TO OPERATE GRANTED
327879	F42918	08/14/2001	ACTIVE	000611	BCAT	TANK, HARD CHROME PLATING	03/19/1997	PERMIT TO OPERATE GRANTED
327880	F42923	08/14/2001	ACTIVE	000611	BCAT	TANK, HARD CHROME PLATING	03/19/1997	PERMIT TO OPERATE GRANTED
327881	F42922	08/14/2001	ACTIVE	000611	BCAT	TANK, HARD CHROME PLATING	03/19/1997	PERMIT TO OPERATE GRANTED
327882	F42921	08/14/2001	ACTIVE	000611	BCAT	TANK, HARD CHROME PLATING	03/19/1997	PERMIT TO OPERATE GRANTED
327884	F42920	08/14/2001	ACTIVE	000611	BCAT	TANK, HARD CHROME PLATING	03/19/1997	PERMIT TO OPERATE GRANTED
327886	F42919	08/14/2001	ACTIVE	000611	BCAT	TANK, HARO CHROME PLATING	03/19/1997	PERMIT TO OPERATE GRANTED
356117				000222	BCAT	DEGREASER PERCHLOROETHYLENE (>1lb VOC/d)	06/03/1999	APPLICATION CANCELLED, KEEP ALL FEE
381321				555003	BCAT	TIEREO (1-20 DEVICES) INITIAL TITLE V PERMIT APP	02/13/2001	APPLICATION CANCELLEO, KEEP ALL FEE
386231	F77568	08/30/2005	ACTIVE	4H	CCAT	Scrubber, Perticulates Venting M.S>	05/15/2001	PERMIT TO OPERATE GRANTED
386232	F77569	08/30/2005	ACTIVE	4E	CCAT	SCRUBBER, OTHER VENTING M.S.	05/15/2001	PERMIT TO OPERATE GRANTED
436275				666469	BCAT	PLAN-RULE 1469, HEX CHROME COMPLIANCE	10/28/2004	BANKING/ PLAN GRANTED
460886				3A	CCAT	MIST ELIMINATOR, HEPA	10/04/2006	APPLICATION CHANGED FROM CLASS I -
461428				000310	BCAT	TANK, CADMIUM - PLATING	10/20/2006	APPLICATION CHANGED FROM CLASS I -
472464				000611	BCAT	TANK, HARD CHROME PLATING	08/03/2007	APPLICATION CANCELLED, KEEP FILING I
472465				000611	BCAT	TANK, HARD CHROME PLATING	08/03/2007	APPLICATION CANCELLED, KEEP FILING I
496692				000611	BCAT	TANK, HARD CHROME PLATING	02/27/2009	ASSIGNED TO ENGINEER - CLASS III
496694				000611	BCAT	TANK, HARD CHROME PLATING	02/27/2009	APPLICATION REJECTED
496695				000611	BCAT	TANK, HARD CHROME PLATING	02/27/2009	APPLICATION REJECTED
496698				000611	BCAT	TANK, HARD CHROME PLATING	02/27/2009	APPLICATION REJECTED
496699				000611	BCAT	TANK, HARD CHROME PLATING	02/27/2009	APPLICATION REJECTED
496700				000611	BCAT	TANK, HARD CHROME PLATING	02/27/2009	APPLICATION REJECTED
A13339	A14012	09/25/1962	INACTIVE	40	CCAT	SCRUBBER, OTHER VENTING S.S.	01/01/1900	PERMIT TO OPERATE GRANTED
A13339	A14012	09/25/1962	INACTIVE	000285	BCAT	TANK CHROME PLATING HEXAVALENT	01/01/1900	PERMIT TO OPERATE GRANTED
A13340	A14014	09/25/1962	INACTIVE	40	CCAT	SCRUBBER, OTHER VENTING S.S.	01/01/1900	PERMIT TO OPERATE GRANTED
A13340	A14014	09/25/1962	INACTIVE	000285	BCAT	TANK CHROME PLATING HEXAVALENT	01/01/1900	PERMIT TO OPERATE GRANTED
A13341	A14095	10/02/1962	INACTIVE	000285	BCAT	TANK CHROME PLATING HEXAVALENT	01/01/1990	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

South Coast Air Quality Management District

Facility Equipment List Report

Facility: 12748 LMDD ENTER. INC., DIXON HARD CHROME,DBA
Last Inspection: 04/05/2011
SIC: 3471
Inspector: JA04 JOHN ANDERSON
Inspection Date: 04/05/2011
Location Address: 11645 PENDLETON ST, SUN VALLEY 91352-2594 Sector:PC
Mailing Address: 11645 PENDLETON ST, SUN VALLEY 91352-2594 Sector:PC
Instruction:

MR: A 3
TS: TS-75 Toxics: Chrome Plating
Facility Status: Active
Assignment No. 1227995
Disposition: Operating in Compliance at time of inspection

Contact: LARRY DIXON (818) 7679650
Quarter: 0100 - inspect in 2nd quarter, every year
On Hold: N
Suspended: N
Facility Team: X

RECLAIM: N TITLE V: N SIP: AIR:

	Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
	A13341	A14095	10/02/1962	INACTIVE	40	CCAT	SCRUBBER, OTHER VENTING S.S.	01/01/1990	PERMIT TO OPERATE GRANTED
	A14591	A14009	09/24/1962	INACTIVE	000285	BCAT	TANK CHROME PLATING HEXAVALENT	01/01/1900	PERMIT TO OPERATE GRANTED
	A47116	P28520	11/18/1968	ACTIVE	000285	BCAT	TANK CHROME PLATING HEXAVALENT	01/01/1990	PERMIT TO OPERATE GRANTED
	A47117	P28521	11/18/1968	INACTIVE	40	CCAT	SCRUBBER, OTHER VENTING S.S.	01/01/1900	PERMIT TO OPERATE GRANTED
	A47117	P28521	11/18/1988	INACTIVE	000285	BCAT	TANK CHROME PLATING HEXAVALENT	01/01/1900	PERMIT TO OPERATE GRANTED
	A47118	P28522	11/18/1968	INACTIVE	000285	BCAT	TANK CHROME PLATING HEXAVALENT	01/01/1900	PERMIT TO OPERATE GRANTED
	A47119	P28523	11/18/1968	INACTIVE	40	CCAT	SCRUBBER, OTHER VENTING S.S.	01/01/1990	PERMIT TO OPERATE GRANTED
	A47119	P28523	11/18/1968	INACTIVE	000285	BCAT	TANK CHROME PLATING HEXAVALENT	01/01/1990	PERMIT TO OPERATE GRANTED
	A47120	P28524	11/18/1968	ACTIVE	000285	BCAT	TANK CHROME PLATING HEXAVALENT	01/01/1990	PERMIT TO OPERATE GRANTED
	A49970	P28526	11/18/1968	INACTIVE	40	CCAT	SCRUBBER, OTHER VENTING S.S.	01/01/1990	PERMIT TO OPERATE GRANTED
	A49984	P28527	11/18/1988	INACTIVE	40	CCAT	SCRUBBER, OTHER VENTING S.S.	01/01/1990	PERMIT TO OPERATE GRANTED
	A49984	P28527	11/18/1968	INACTIVE	000285	BCAT	TANK CHROME PLATING HEXAVALENT	01/01/1990	PERMIT TO OPERATE GRANTED
✓	C26080	M18210	10/15/1981	INACTIVE	225950	BCAT	CHROMIUM OXIDE TREATING	01/01/1990	PERMIT TO OPERATE GRANTED
✓	C42701	M39565	07/23/1984	INACTIVE	000222	BCAT	DEGREASER PERCHLOROETHYLENE (>1lb VOC/d)	05/18/1982	PERMIT TO OPERATE GRANTED
✓	C42702	M39566	07/23/1984	INACTIVE	000221	BCAT	DEGREASER 1,1,1 TRICHLOROETHANE (>1LB/D)	05/18/1982	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

South Coast Air Quality Management District

Run Date : 07/14/2011 02:17 PM

Facility Equipment List Report

Facility: 12748 LMDD ENTER. INC., DIXON HARD CHROME,DBA
Last Inspection: 04/05/2011
SIC: 3471
Inspector: JA04 JOHN ANDERSON
Inspection Date: 04/05/2011
Location Address: 11645 PENDLETON ST, SUN VALLEY 91352-2594 Sector:PC
Mailing Address: 11645 PENDLETON ST, SUN VALLEY 91352-2594 Sector:PC
Instruction:

MR: A 3
TS: TS-75 Toxics: Chrome Plating
Facility Status: Active
Assignment No. 1227995
Disposition: Operating in Compliance at time of inspection

Contact: LARRY DIXON (818) 7679650
Quarter: 0100 - inspect in 2nd quarter, every year
On Hold: N
Suspended: N
Facility Team: X

RECLAIM: N TITLE V: N SIP: AIR:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

Report: On Tuesday, April 5, 2011, at 0905 hours, I arrived at LMDD Enterprises Inc. dba Dixon Hard Chrome, located at 11645 Pendleton Street, Sun Valley 91352. The purpose of my visit was to conduct a routine compliance inspection per SCAQMD Rules 203, 222, 1146.2, 1147, 1426, and 1469. The facility is also inspected quarterly pursuant to SCAQMD Rule 1469 as a part of the Carl Moyer Program. I met with Ms. Audrey Farber, Office Manager, and with Mr. Willie Macawili, Environmantal Chemist. Mr. Macawili accompanied me on the inspection. The facility performs hard chrome, nickel, cadmium and copper plating for military and commercial aerospace parts. The facility operates three shifts Monday through Friday with between 40 to 50 employees depending on volume. The facility operates six hard chrome plating tanks; tanks Y1 and Y2 are vented to one HEPA Mist Eliminator APCD. Tanks Y3, Y4, Y5 and Y6 are vented to a second HEPA Mist Eliminator APCD. Fumetrol 140 suppressant is used in the chrome tanks to further reduce emissions. A HEPA Mist Eliminator APCD is in construction for the cadmium plating operation, and a new permit to construct for the cadmium line has been issued (Permits to construct #460886 and 461428 respectively.) A source test protocol for the cadmium APCD has been submitted to AQMD for approval. There is a wet scrubber operating in the roof to which a sulfuric/hydrofluoric acid tank is vented, which has been operating under a permit to construct since 1991.

The facility has no permitted chrome amp-hour limit; there is an open application for a chrome plating tank (A/N 496692) which will impose an amp-hour limit.

Upon arrival I observed that there were no visible emissions or odors crossing the property line. We began the inspection by reviewing records in the office. All records demonstrated compliance with Rule 1469 and permit conditions except where noted. I observed the following:
"Permits to Operate and Construct available in office, and posted near equipment
"Rule 1469 Initial Compliance Status Report dated 5-29-03
"Rule 1469 Compliance Plan Acceptance Letter. Facility complies with 1469(d)(3), maximum installed controls.
"2010 Rule 1469 Ongoing Compliance Status and Emissions Report. In 2010, the facility consumed 51,029,698 amp-hours and 10,931of lbs of chrome flakes.
"Rule 1469 Training Certificate #10-1161038 for Mr. Willie Macawili, expires 3-25-2012.
"Rule 1426 Initial Report for 2003 and Rule 1426 Follow Up Report for 2004 verified in District Records prior to inspection.
"Observed in previous inspections - ATCM Compliance Advisory Report, 2007; facility is 540 feet from nearest residence, 620 feet to nearest school.
"Observed in previous inspections - ATCM Initial Compliance Status Report, April 2008; total hex chrome emissions in 2007 were 0.19179 lbs for HEPA #1, and 0.00866 for HEPA #2
"Daily amp-hour logs for chrome, nickel and copper
"Weekly surface tension log (on computer); on 4-1-11 the surface tension ranged from 31.5- 33.5 dynes/cm in the six chrome tanks vs. <35 limit, compliant
"Fume suppressant additions log (on computer); last added various amounts to tanks on 3-29-11
"Operations and Maintenance Plan for Chrome NESHAPS by Van Air dated April 8, 2003
"APCD Daily Pressure Drop Log
"APCD Daily Maintenence Log
"APCD Quarterly Maintenance Log
"Housekeeping log
"Hazardous waste manifests for chrome waste and filter ceke, as well as production trash (containing used HEPA filters) dated 11-18-10
"Purchasing records for HEPA filters dated 8-10-10
"Smoke test records (on computer in lab) conducted 2-8-11- demonstrating 100% cepture efficiency of chrome APCD over all six chrome tanks
"Source test report for both chrome APCD units by Accurate Environmental Services dated 8-6-2003, with an average hexavalent chromium emission rate as follows:
HEPA #1 P/O #F77568 = 0.30 mg/dscm, or 0.005989706 mg/amp-hr
HEPA #2 P/O #F77569 = 0.010 mg/dscm, or 6.81486 E-05 mg/amp-hr
"Source test report for HEPA #1 P/O #F77568, performed on 4/23/09 by Accurate Environmental Services, 0.000062 mg/amp-hr, compliant with the 0.0015 mg/amp-hr limit. (Note that in the 2003 source test. HEPA #1 did not meet the new 0.0015 mg/amp-hr emission limit. The test results show one very high result (outlier) of the three runs for HEPA #1. The facility elected to

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

South Coast Air Quality Management District

Facility Equipment List Report

Facility: 12746 LMDD ENTER. INC., DIXON HARD CHROME,DBA
Last Inspection: 04/05/2011
SIC: 3471
Inspector: JA04 JOHN ANDERSON
Inspection Date: 04/05/2011
Location Address: 11645 PENDLETON ST, SUN VALLEY 91352-2594 Sector:PC
Mailing Address: 11645 PENDLETON ST, SUN VALLEY 91352-2594 Sector:PC
Instruction:

MR: A 3
TS: TS-75 Toxics: Chrome Plating
Facility Status: Active
Assignment No. 1227995
Disposition: Operating in Compliance at time of inspection

Contact: LARRY DIXON (818) 7679650
Quarter: 0100 - inspect in 2nd quarter, every year
On Hold: N
Suspended: N
Facility Team: X

RECLAIM: N TITLE V: N SIP: AIR:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Applicetion Status

re-run the source test due to the outlier, and the new test demonstrates compliance and has been approved by AQMD Source Test Engineering.)

The facility has both a stalagmometer and a Du Nouy tensiometer for surface tension measurements; the tensiometer is the primary instrument used. Mr. Macawili calibrates the tensiometer himself using the manufacturer's published manual and ASTM method D-1331-89 (rev. 2001.) Last calibration was 1-25-11, next calibration is due 7-26-2011.

I inspected the chrome tanks, each equipped with one or more rectifiers with hardwired non-resettable totalizers, last calibrated 12-29-10, next calibration due 6-29-11. Tanks Y1-Y6 were operating at the time of inspection. Copies of the permits were posted on the rectifiers. I observed that the ducting over each chrome tank serves as a splash shield, compliant with 1469(c)(4)(H)(ii). I observed the amp-hour totalizer readings to be as follows, consistent with records:
Tank #1- 2 rectifiers Y1B = 711,598; Y1G = 994,382
Tank#2 - 2 rectifiers, Y2.5F = 016,773; Y2 = 120,140
Tank #3 - 1 rectifier, Y3 = 507,394
Tank #4 - 1 rectifier, Y4 = 979,279
Tank #5 - 2 rectifiers, Y5 = 922,270; Y5BB = 191,005
Tank #6 - 2 rectifiers, Y6 B.Bar = 15,885,762; Y6 = 77,135,460

The rinse tanks are located across the walkway from the chrome tanks. I observed that small parts are carried across the walkway in trays, avoiding spillage of chromic acid. Mr. Macawili stated that large parts are left to hang over the tanks until completely dry. I observed no large parts being plated. Mr. Macawili stated that the facility uses portable spill protection while transferring large parts to ensure compliance with 1469(c)(4)(H)(ii). I observed no compressed air drying of parts at or adjacent to the chrome tanks. I observed plastic curtains separating tanks Y1 and Y2 from compressed air cleaning operations.

I observed that there were no buffing or grinding operations in the plating area, compliant with 1469(c)(4)(F). I observed that overall housekeeping was adequate. I observed chrome flakes kept covered while in storage.

I inspected the chrome strip tanks. Tank Y18 P/O #P28520 was operating at the time of inspection. Tank Y19 P/O #P28524 was not operating at the time of inspection.

I inspected the sulfuric/hydrofluoric acid tank Y20, P/O #F42916, covered, not in use at the time of inspection, vented to the roof scrubber #3 (A/N 242704.)

I inspected the roof mounted HEPA mist eliminator APCDs. A cadmium mist eliminator APCD is under construction on the roof pursuant to application #460886. The equipment was in good condition, no cracks in the ducting, no visible emissions or odors. Pressure drop readings read from the magnahelics were as follows, compliant with permit conditions:

HEPA #1, over chrome tanks Y1 & Y2, P/O# R-F77568
Overall = 3.8" WC
Stage 4 HEPA = 1.45" WC vs. 0.3" to 2.5" allowed
Stage 3 = 0.4" WC vs. 0.3" to 2.0" allowed
Stage 2 = 1.2" WC vs. 1.0" to 4.5" allowed
Stage 1 = 0.5" WC vs. 0.5" to 3.5" allowed

HEPA #2, over chrome tanks Y3, Y4, Y5 and Y6, P/O# R-F77569
Overall = 6.0" WC

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

South Coast Air Quality Management District

Facility Equipment List Report

Facility: 12748 LMDD ENTER. INC., DIXON HARD CHROME,DBA
MR: A 3
Contact: LARRY DIXON (818) 7679650
Last Inspection: 04/05/2011
TS: TS-75 Toxics: Chrome Plating
Quarter: 0100 - inspect in 2nd quarter, every year
SIC: 3471
Facility Status: Active
On Hold: N
Suspended: N
Inspector: JA04 JOHN ANDERSON
Assignment No. 1227995
Facility Team: X
Inspection Date: 04/05/2011
Disposition: Operating in Compliance at time of inspection
Location Address: 11645 PENDLETON ST, SUN VALLEY 91352-2594 Sector:PC
Mailing Address: 11645 PENDLETON ST, SUN VALLEY 91352-2594 Sector:PC
Instruction:

RECLAIM: N TITLE V: N SIP: AIR:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

Stage 4 HEPA = 1.35" WC vs. 0.3" to 2.5" allowed
Stage 3 = 0.4" WC vs. 0.3" to 2.0" allowed
Stage 2 = 2.0" WC vs. 1.0" to 4.5" allowed
Stage 1 = 2.3" WC vs. 0.5" to 3.5" allowed

I observed an evaporative cooling tower on the roof. I inspected the roof mounted cadmium HEPA APCD, P/C #460886, installed but not yet operational. Scrubber #3. A/N 242704, was operating at the time of inspection.

I inspected the HCl Surface Prep tank Y7, P/O #D57090, a 12 gallon plastic tank, not in use at time of inspection, covered.

I inspected the three copper plating tanks, Y78, Y79 (copper strike) and Y80, P/O #D557093. The tanks, not in use at the time of inspection, were heated with hot water.

I inspected the cadmium plating line, P/O #D57093. There is a permit to construct, P/C #461428, on this line also. Neither tank Y28 (labeled Y38 on tank) cadmium/titanium, Y35 cyanide cadmium, #Y29 bright cyanide cadmium, nor Y46 cadmium strip tank were operating at the time of inspection. Tank #Y31 metal surface cleaning tank, not in use at the time of inspection, was vented to the roof.

I inspected the electroless nickel line, P/O #D73037. Tanks Y74 and Y75 are vented to the roof. Electroless nickel tank Y74 was being prepared to plate parts at the time of inspection. Nickel Strike tank Y63 was not operating at the time of inspection. Electroless nickel tanks Y75 was not operating at the time of inspection. HCl acid cleaning tank, vented to the roof, was not operating at the time of inspection.

I inspected the aqueous solution tank Y26, P/O #D57097, not operating at the time of inspection. The tank was mislabeled as tank "Y62." I took no enforcement action as we were able to readily identify the tank.

I inspected the passivation line, P/O # D57212. Tanks Y55, Y56, Y57, Y58 and Y72 were not operating at the time of inspection.

I inspected the Rule 222B registered boiler, a Parker T1995, 1,995,000 btu/hr, s/n 48870, manufactured 1998, operating at the time of inspection. I advised Mr. Macawili of the requirement under 1146.2(c)(4) that boilers over 15 years old must either be replaced or demonstrate compliance with the 30 ppm NOx limit inposed by 1146.2(c)(1).

I departed at 1100 hours. The facility was operating in compliance at the time of inspection.

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

ENG FINAL ONLY SI. NOTICE #6240 SECTOR A.C.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

NOTICE TO APPLY FOR PERMIT

FIRM NAME (DBA): DIXON HARD CHROME. INC.	PHONE 767-9650
OWNERSHIP: ABOVE CORP.	INSTALLING CONTRACTOR
MAILING ADDRESS: 11645. PENDLETON ST. SUN VALLEY CA ZIP 91352	MAILING ADDRESS
EQUIPMENT ADDRESS: SAME	PHONE

YOU ARE HEREBY NOTIFIED THAT PURSUANT TO THE CALIFORNIA STATE HEALTH AND SAFETY CODE SECTIONS 42300 AND 42400 AND THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULES AND REGULATIONS A MISDEMEANOR HAS BEEN COMMITTED THROUGH THE (BUILDING, ERECTION, ALTERATION, REPLACEMENT, USE OR OPERATION) OF:

ONE DEGREASER. MODEL #DM330 SV#D-1067

WITHOUT FIRST OBTAINING SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT PERMIT(S). IF THE APPLICATION(S) FOR THE ABOVE EQUIPMENT HAS NOT BEEN RECEIVED WITHIN 14 CALENDAR DAYS (DUE DATE), A MISDEMEANOR COMPLAINT MAY BE FILED IN MUNICIPAL COURT.

SERVED TO: RON DIXON. TITLE: V.P.

Edward Camarena
DIRECTOR OF ENFORCEMENT

SERVED BY: R. Vukmanott DATE SERVED: 5-6-82

TEL. NO. 572-6298

THE FOLLOWING FORMS ARE LEFT HEREWITH:

[X] APPLICATION FORMS 400A [X] PERMIT INFORMATION, 400B [X] PERMIT INSTRUCTION, 400C [X] 400

REASON PERMIT REQUIRED: [X] (NEW CONSTRUCTION) NO PRIOR PERMIT [ ] (LESSEE) OWNER CHANGE [ ] ALTERATION [ ] LOCATION CHANGE

T.S. NO. A.C. I.D. NO. 3146034.

NAME OF PRIOR PERMITEE: NONE

FORMER PERMIT NO. NONE

PT. SOURCE: YES [ ] NO [X]

SECTION 1 COMPLETE THIS SECTION EACH TIME A NOTICE IS SERVED.

DATE OF INSPECTION: 5-4-6-82

ESTIMATED % COMPLETE: 100%.

WAS EQUIPMENT IN OPERATION: [ ] NO [X] YES

ANY VISIBLE EMISSIONS: [X] NO [ ] YES- % OPAC.

COMPLETION DATE: Approx Oct 1982

FOR: [ ] BASIC [X] CONTROL

EST. BASIC EQUIP. $ — A.P.C. EQUIP. $ —

IF FOR CONTROL EQUIP. PERMIT STATES OF BASIC: None.

IF ALTERATION, BRIEFLY DESCRIBE CHANGE: N/A

PROCESS DESCRIPTION & FINDINGS (NUISANCE EVALUATION, POSSIBLE EMISSIONS, ODORS, ETC.):

COMPANY IN METAL PLATING BUSINESS. PROCESS INVOLVES CLEANING PLATING & PACKAGING. "PERK" USED IN DEGREASER. 50 to 60 GAL/MONTH. COMPLIES WITH R1122. (FORM COMPLETED). NUISANCE POTENTIAL MODERATE.

EQUIPMENT MAY VIOLATE SECTION 41700: [X] NO [ ] YES

RECOMMENDED FOR PERMIT: [ ] NO [X] YES [ ] OTHER

ENGINEERING FINAL ACCOMPLISHED: [ ] NO-? [X] YES - SEE SECTION 2

SECTION 2. TO BE COMPLETED ONLY IF ENGINEERING FINAL ACCOMPLISHED. IN ADDITION, COMPLETE APPROPRIATE SECTION A, B OR C ON REVERSE. USE SEPARATE FORM FOR EACH FINAL.

WIND: [ ] N [X] E [ ] S [ ] W

WEATHER: [X] CLEAR [X] OVERCAST [ ] RAIN [ ] OTHER, EXPLAIN:

400454-R777

DEGREASER OPERATIONS PG. 1 OF 5

P/C ☐ P/O ☑

NAME DIXON HARD CHROME INC.

MAILING ADDRESS 11645 PENDLETON ST. SUN VALLEY, CA, 91352

APPL. NO. C-42701 DATE 7/9/84

ENGINEER AYL CHECKED

I. EQUIPMENT DESCRIPTION:

DEGREASER, DELTA INDUSTRIES, VAPOR SPRAY TYPE, MODEL DM 350, 2'-0" W. X 3'-0" L. X 4'-2" D, INSIDE TANK DIMENSIONS, SERIAL NO. D-1067, 65,000 BTU/HR GAS HEATED, WITH A 1/20 H.P. SPRAY PUMP, AND A WATER JACKET.

LOCATED AT 11645 PENDLETON ST, SUN VALLEY, CA. 91352 WHEN INSTALLED: 10/81

REASON APPL'N. REQ'D: NEW CONSTRUCTION ☒ CHANGE OF OWNERSHIP ☐ ALTERATION ☐ CHANGE OF LESSEE ☐ CHANGE OF LOCATION ☐

OPERATING SCHEDULE: 16 HRS./DAY 5 DAYS/WEEK 52 WEEKS/YEAR

II. EMISSIONS: SOLVENT USED PERCHLOROETHYLENE %RHC (wt.) 100

AMT. PURCHASED 110 GAL/MON AMT. RECOVERED — GAL/MON

$\frac{110 \text{ GAL}}{\text{MON}}$ LOST X $\frac{12 \text{ MONTHS}}{1 \text{ YR.}}$ X $\frac{1 \text{ YR}}{52 \text{ WK}}$ X $\frac{1 \text{ WK}}{5 \text{ DAY}}$ = $\frac{5.08 \text{ GAL}}{\text{DAY}}$

$\frac{5.08 \text{ GAL}}{\text{DAY}}$ X $\frac{13.5 \text{ LB}}{\text{GAL}}$ = $\frac{68.6 \text{ LB}}{\text{DAY}}$, $\frac{68.6 \text{ LB}}{1 \text{ DAY}}$ X $\frac{1 \text{ DAY}}{16 \text{ HR}}$ = $\frac{4.3 \text{ LB}}{\text{HR}}$

MAX: 68.6 LB/day

ACTUAL W/BACT: 68.6 LB/day

ACTUAL W/OUT BACT: 68.6 LB/day

III. EVALUATION:

RULE 402: NUISANCE LIKELY ☐ UNLIKELY ☒

EXPLAIN: NO IR'S ON NUISANCE

RULE 442(f): COMPLIANCE--USING NON-PHOTOCHEMICALLY REACTIVE SOLVENT YES ☑ NO ☐

RULE 443: SOLVENT CONTAINER PROPERLY LABELED YES ☑ NO ☐

RULE 1122: COMPLIANCE/EXEMPT - (METAL) ([redacted]) SURFACES

.(b)(1) CONTAINER FOR SOLVENT (PROVIDED) ([redacted])

.(b)(2) TANK (COVERED) ([redacted]) WHEN NOT IN USE

.(b)(3) DRAINED OR DRAGGED-OUT SOLVENT (IS) ([redacted]) RETURNED TO THE SOLVENT CONTAINER

FIRE PREVENTION BUREAU TECHNICAL SECTION
200 NORTH MAIN STREET, RM 1780
LOS ANGELES, CA 90012

LOS ANGELES FIRE DEPARTMENT
Los Angeles Certified Unified Program Agency
(213) 978-3680

Los Angeles Fire Department
Data Entry Instruction Form (DEIF)

FOR INTERNAL USE ONLY

Date:	7/27/2010	**New Business:**	[ ]
Default Inspector:	VIGIL, JOHN	**Fire Station/Census:**	077
Facility ID;	FA0020798	**Insp District:**	415
Facility Name:	**DIXON HARDCHROME**		
Site Address:	11645 W PENDLETON ST SUN VALLEY, CA 91352		

[✓] VERIFIED FACILITY PHONE NUMBER
PHONE NO: (818) 767-9650

Account Info
Account Outstanding Balance:
Number of Outstanding Invoices: 0

[✓] VERIFIED MAILING ADDRESS
MAILING ADDRESS: 11645 W PENDLETON ST
(INVOICES/PERMITS) SUN VALLEY, CA 91352

ACTIVE PROGRAMS:

PE	PE DESCRIPTION	UNITS
MAIN_SITE		
1102	PR0024743 | HW GEN, 6-19 EMPLOYEES (RCRA-LQG)	
2010	PR0072205 | TIERED PERMIT - CA	
4502	PR0013496 | HAZ MAT INVENTORY 8 OR MORE CHEMICALS	

[✓] VERIFIED OWNER INFO
OWNER NAME: LMDD ENTERPRISES, INC
OWNER MAILING ADDRESS:
PHONE: (818) 767-9650

DATA ENTRY INSTRUCTION(S): Check Appropriate Boxes

[✓] **Changes On BP 01**
[ ] **UST Abandon Sheets**
[ ] **Changes On Attached CUPA Form(s)**
[✓] **Changes On BP 08**
[ ] **UST Installation Sheets**
[ ] **Enter Inventory on Attached CUPA Forms**

[ ] **Inactive Business** *Journal Entry should Be Included*
Reason:

[✓] **Other Instruction:** *For Examples: Combine Business Under One BP Number*

Eliminate:
- Duraposit 84M ✓
- Duraposit 84S ✓
- Duraposit R ✓
- Nickle Sulfamate Tank/Plating ✓
- Anodex MP2
- Enstrip A

Add
- Sodium Hypophosphite 330 gallons
- Enstrip S 400#s

⊕ BP-1 change. Info verified by Willie Macawili – Env. Chem.

Data Entry Name: Rsparing Date: 8/24/10

CITY OF LOS ANGELES
CALIFORNIA

LOS ANGELES FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3880

Business No : **FA0020798**
First In : 077
District # : 415

Hazardous Materials System
BP-8: Computer Listing of Inventory
SubmittedInspection Responsibility: VIU

Printed on: 7/27/2010

Business Name	: DIXON HARDCHROME	**Business Address**	: 11645 W PENDLETON ST
Business Owner	: LMDD ENTERPRISES, INC		SUN VALLEY, CA 91352
On-Site Manager	: LEROY TURNER	**Phone #**	: (818) 767-9650 Ext: 24
Emergency Contact	: LARRY DIXON	**Phone #**	: (818) 767-9650
Alt Emergency Contact	: LEROY TURNER	**Phone #**	: (818) 767-9650 Ext: 24
Next Inspection Date:	: 6/15/2011	**SIC Code**	: 3471
# of Employees	: 48	**Permit Date**	: 12/14/2009

Total Chemicals: 43

LOCATION: **Chemicals at Location: 5**

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
ARP 210	MIXTURE	55.00 GALLONS	LIQUID	
		Container:| STEEL DRUM |		
CADMIUM OXIDE	PURE	50.00 POUNDS	SOLID	
		Container:| STEEL DRUM |		
CAUSTIC POTASH	MIXTURE	300.00 POUNDS	SOLID	
		Container:| BAG |		
FORMULA 815 GD	MIXTURE	55.00 GALLONS	LIQUID	
		Container:| STEEL DRUM |		
VINYL PAINT	MIXTURE	55.00 GALLONS	LIQUID	
		Container:| OTHER |		

LOCATION: BACKYARD DOT HAZWSTE **Chemicals at Location: 1**

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
WASTE DEWATERED METAL HYDROXIDE SLUDGE	WASTE	2,000.00 POUNDS	SOLID	
		Container:| TOTE BIN |		

Ingredients	*CAS #*
COPPER HYDROXIDE	7440508
CHROMIUM HYDROXIDE	7440473
NICKEL HYDROXIDE	7440020
CADMIUM HYDROXIDE	7440439

LOCATION: BACKYARD STORAGE **Chemicals at Location: 7**

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
	PURE	110.00 POUNDS	SOLID	
		Container:| STEEL DRUM |		

Ingredients	CAS #
CADMIUM OXIDE	1306190

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
DURAPOSIT 84M	PURE	~~110.00~~ GALLONS	LIQUID	
		Container:| STEEL DRUM |		

Ingredients	CAS #
SODIUM HYPOPHOSPHITE	7681530

Add Combine 330 gallons

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
DURAPOSIT 84S	PURE	~~110.00~~ GALLONS	LIQUID	
		Container:		

Ingredients	CAS #
SODIUM HYPOPHOSPHITE	7681530

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
DURAPOSIT R	PURE	~~110.00~~ GALLONS	LIQUID	
		Container:| STEEL DRUM |		

Ingredients	CAS #
SODIUM HYPOPHOSPHITE	7681530

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
MAGNESIUM OXIDE	PURE	300.00 POUNDS	SOLID	
		Container:| BAG |		

Ingredients	CAS #
MAGNESIUM OXIDE	1309484

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
SODIUM CYANIDE	PURE	100.00 POUNDS	SOLID	
		Container:| STEEL DRUM |		

Ingredients	CAS #
SODIUM CYANIDE	143339

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
SODIUM METABISULFITE	PURE	600.00 POUNDS	SOLID	
		Container:| BAG |		

Ingredients	CAS #
SODIUM METABISULFITE	7681574

LOCATION: CD, CU & NI PLATING **Chemicals at Location: 12**

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
	PURE	55.00 GALLONS	LIQUID	

Container:| STEEL DRUM |

Ingredients	CAS #
NITRIC ACID	7697372

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
ACID ACTIVATOR	PURE	150.00 GALLONS	LIQUID	

Container:| ABOVEGROUND TANK |

Ingredients	CAS #
SULFURIC ACID	7664939

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
ACID CLEANER	PURE	215.00 GALLONS	LIQUID	

Container:| ABOVEGROUND TANK |

Ingredients	CAS #
HYDROCHLORIC ACID	7647010

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
CADMIUM PLATING TANK	PURE	1,450.00 GALLONS	LIQUID	

Container:| ABOVEGROUND TANK |

Ingredients	CAS #
SODIUM CYANIDE	143339
CADMIUM OXIDE	1306190
SODIUM HYDROXIDE	1310732

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
COPPER CYANIDE PLATING TANK	PURE	900.00 GALLONS	LIQUID	

Container:| ABOVEGROUND TANK |

Ingredients	CAS #
COPPER CYANIDE	544923
POTASSIUM HYDROXIDE	1310583
POTASSIUM CYANIDE	151508

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
COPPER STRIP TANK	PURE	200.00 GALLONS	LIQUID	

Container:| ABOVEGROUND TANK |

Ingredients	CAS #
SODIUM CYANIDE	143339
SODIUM M-NITROBENZATE	827952
SODIUM HYDROXIDE	1310732

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.

ELECTRO SOAK CLEANER PURE 800.00 GALLONS LIQUID

Container:| ABOVEGROUND TANK |

Ingredients	*CAS #*
SODIUM HYDROXIDE	1310732

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
ELECTROLESS NICKEL PLATING TANK	PURE	300.00 GALLONS	LIQUID	

Container:| ABOVEGROUND TANK |

Ingredients	*CAS #*
DURAPOSIT 84 S	10039562

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
LOW EMBRITTLEMENT CAD. PLATING	PURE	1,500.00 GALLONS	LIQUID	

Container:| ABOVEGROUND TANK |

Ingredients	*CAS #*
SODIUM CYANIDE	143339
CADMIUM OXIDE	1306190
SODIUM HYDROXIDE	1310732

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
NICKEL STRIKE	PURE	200.00 GALLONS	LIQUID	

Container:| ABOVEGROUND TANK |

Ingredients	*CAS #*
NICKEL(II) CHLORIDE HEXAHYDRATE (1:2:6)	7791200
HYDROCHLORIC ACID	7647010

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
~~**NICKEL SULFAMATE PLATING TANK**~~	PURE	215.00 GALLONS	LIQUID	

Container:| ABOVEGROUND TANK |

Ingredients	*CAS #*
NICKEL SULFAMATE	13770893
BORIC ACID	10043353

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
NITRIC HYDROFLOURIC ACID MIXTURE	PURE	125.00 GALLONS	LIQUID	

Container:| STEEL DRUM |

Ingredients	*CAS #*
NITRIC ACID	7697372
HYDROFLUORIC ACID	7664393

LOCATION: CHROME PLATING AREA **Chemicals at Location: 4**

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
ANODE CLEANER	PURE	85.00 GALLONS	LIQUID	

Container:| ABOVEGROUND TANK |

Ingredients	*CAS #*

SODIUM HYDROXIDE	1310732
ROCHELLE SALTS	

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
CHROME PLATING TANKS	PURE	4,400.00 GALLONS	LIQUID	

Container:| ABOVEGROUND TANK |

Ingredients	CAS #
CHROMIC ACID, SOLID	1333820
SULFURIC ACID	7664939

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
CHROME STRIP TANKS	PURE	1,100.00 GALLONS	LIQUID	

Container:| ABOVEGROUND TANK |

Ingredients	CAS #
SODIUM CARBONATE (2:1)	497198

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
ECONOCHROME PLATING TANKS	PURE	1,000.00 GALLONS	LIQUID	

Container:| ABOVEGROUND TANK |

Ingredients	CAS #
CHROMIC ACID	1333820
SULFURIC ACID	7664939

LOCATION: CORROSIVE ACID STGE

Chemicals at Location: 5

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
CHROMIC ACID FLAKE ESSEX	PURE	880.00 POUNDS	SOLID	

Container:| STEEL DRUM |

Ingredients	CAS #
CHROMIUM TRIOXIDE	1333820

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
HYDROCHLORIC ACID 20 DEGREES BE	PURE	110.00 GALLONS	LIQUID	

Container:

Ingredients	CAS #
HYDROCHLORIC ACID	7647010

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
HYDROFLOURIC ACID	PURE	55.00 GALLONS	LIQUID	

Container:| STEEL DRUM |

Ingredients	CAS #
HYDROFLUORIC ACID	7664393

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
NITRIC ACID 42 DEGREES BE	PURE	165.00 GALLONS	LIQUID	

Container:| STEEL DRUM |

Ingredients	CAS #
NITRIC ACID	7697372

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
SULFURIC ACID 66 BE	PURE	165.00 GALLONS	LIQUID	

Container:

Ingredients	CAS #
SULFURIC ACID	7664939

LOCATION: CORROSIVE MAT/BACKYD — **Chemicals at Location: 4**

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
ANODEX MP2	PURE	400.00 POUNDS	SOLID	

Container:| FIBER DRUM |

Ingredients	CAS #
SODIUM HYDROXIDE	1310732

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
BLEACH LIQ.	PURE	110.00 GALLONS	LIQUID	

Container:| STEEL DRUM |

Ingredients	CAS #
SODIUM HYPOCHLORITE	7681529

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
SODIUM HYDROXIDE LIQ. 50%	PURE	165.00 GALLONS	LIQUID	

Container:| STEEL DRUM |

Ingredients	CAS #
SODIUM HYDROXIDE	1310732

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
SODIUM HYDROXIDE SOLID	PURE	500.00 POUNDS	SOLID	

Container:| BAG |

Ingredients	CAS #
SODIUM HYDROXIDE	1310732

LOCATION: CYANIDE STGE/BACKYRD — **Chemicals at Location: 3**

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
COPPER CYANIDE	PURE	100.00 POUNDS	SOLID	

Container:| STEEL DRUM |

Ingredients	CAS #
COPPER CYANIDE	544923

Add

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
ENSTRIP ▶ S	PURE	400.00 POUNDS	SOLID	

Eliminate Enstrip A

Container:| STEEL DRUM |

Ingredients	*CAS #*
SODIUM CYANIDE	143339
POTASSIUM CYANIDE	151508
SODIUM HYDROXIDE	1310732

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
POTASSIUM CYANIDE	PURE	100.00 POUNDS	SOLID	

Container:| STEEL DRUM |

LOCATION: WASTEWATER TREATMENT **Chemicals at Location: 2**

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
CHROME REDUCTION WASTEWATER	WASTE	400.00 GALLONS	LIQUID	

Container:| ABOVEGROUND TANK |

Ingredients	*CAS #*
CHROMIUM	7440473
NICKEL	7440020

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
CYANIDE OXIDATION WASTEWATER	WASTE	300.00 GALLONS	LIQUID	

Container:| ABOVEGROUND TANK |

Ingredients	*CAS #*
COPPER	7440508
CADMIUM	7440439
CYANIDES	57125

My signature indicates that I have verified and agreed with the types and quantities of hazadous materials at this address.

[FA0020798] CHEMICAL COUNT: 43

INSP SIG: _____ INSP. DATE: 8-20-10

BUS. REP. SIG: X _____ (Willie Macawili) DATE: 8/28/10

Data Date: 7/27/2010

GENEX AVIRON

8647 San Fernando Road

- PS 1-79

LOS ANGELES COUNTY LETTERGRAM

O	Jose Ochoa	FROM	Bonnie Shear

ct GENEX AVIRON EMERGENCY RESPONSE
ABANDONED CHEMICALS

Date 1-20-87

Due to the small amounts of acids abandoned at the Genex Aviron site (1 quart H_3PO_4 and 8 oz "Alodyne") and nonhazardous results of flashpoint and organics analyses, I am recommending that the case against Jaytex Aviation, the current property owners, be dropped. I am filing the report in our ER file.

BS:p

cc: Officer J. Blum, LAPD

:IORITY _____

=xplain) court case

Save Samples!

County of Los Angeles
Department of Health Services
Occupational Health Division
Hazardous Waste Control Program
2615 S. Grand Ave. - 6th Floor
Los Angeles, CA 90007
(213) 744-3235

LOS ANGELES COUNTY
DEPARTMENT OF HEALTH SERVICES
PUBLIC HEALTH LABORATORIES

HAZARDOUS WASTE SAMPLE ANALYSIS REQUEST

PART I: FIELD SECTION

Collector Bonnie Shean Date Sampled 8/26/86 Time 2100 Hours _____

Location of Sampling Genex Avicon
name of company, disposal site, etc.

Address 8647 San Fernando Rd Sun Valley CA 91352
number street city state zip

Telephone (213) 744-3235 Company Contact _____

:ELD NO.	1	2	6	7	8	
:NPLE OF	Yellow liquid	dk brown liquid	separated gold liquid	phosphoric acid	Alkaline	
:CATION OF :AMPLE	abandoned drum	abandoned drum	abandoned drum	qt bottle	8 oz bottle	
10/24/86	*Benzene Toluene Xylene Chlorinated Hydrocarbons →					
:ALYZE FOR	Flash Pt	Flash Pt	Flash Pt.	pH	pH	

:EMARKS: TTLC STLC Be Cd Cr Pb Ni 10/24/86 CH Cr Pb Ni Hydrocarbons

PART II: LABORATORY SECTION

.AB NO.	TW-710-86	TW-711-86	TW-712-86	TW-713-86	TW-714-86	
FINDINGS	—	—	—	0.7	0.0	
Flash Pt	The F-Pt is above 230°F	143°F	145°F	—	—	
Chlorinated Hydrocarbon	ND	ND	ND	—	—	Benzene Results 11/14/86
Benzene	N.D.	7 ppm	8 ppm			
Toluene	N.D.	43 ppm	9 ppm			
Xylene	N.D.	92 ppm	18 ppm	Rec 1/15/87		
Ethyl Benzene	N.D.	26 ppm	17 ppm	Rec 1/15/87		

PART III: CHAIN OF POSSESSION

	Signature	Agency/Organization	Inclusive Dates	
1.	Bonnie Shean	LACHVC	8/26/86	9/19/86
2.	Jonathan Cho	Public Health Lab	9-19-86	
3.				
4.				
5.				

March Fong Eu
Secretary of State

1230 J Street
Sacramento, California 95814

CORPORATE DIVISION

Legal Review	(916) 445-06
Certification	(916) 445-14
Status	(916) 445-20
Name Availability	(916) 322-23
Trademarks	(916) 445-98
Statements of Officers	(916) 445-20
Service of Process	(916) 445-06
Los Angeles Office	(916) 620-31

RECEIVED
OCT - 8 1986
HAZARDOUS WASTE CONTROL PROGRAM

COUNTY OF LOS ANGELES DEPARTMENT OF
HEALTH SERVICE
313 North Figueroa St.
L.A., CA 90012
Anastachio G. Medina

This is in answer to your inquiry of Sept 29, 1986

The records of this office indicate that GENEX AVIRON

☒ Is not of record in this office as either a California domestic corporation or a foreign corporation.
☐ Is a California corporation incorporated _____
☐ Is in good legal standing _____
☐ A statement as to the names and addresses of agent, officers and directors and address of principal office is on file in this office. A copy of the filed statement may be obtained for a fee of $1.00. Fee for certified copy is $3.00. Nonprofit corporations are not required to list directors.
☐ No statement as to names and addresses of officers and address of principal office has been filed in this office.
☐ No agent for service of process has been designated.
☐ Was suspended by order of the Franchise Tax Board _____ for not complying with statutory requirements.
☐ Was suspended by the Secretary of State _____ for failure to file a statement of officers.
☐ Was dissolved _____ ☐ Its term of existence expired _____
☐ Was merged into: _____
☐ Is a _____ corporation which qualified in California _____
☐ Is in good legal standing _____
☐ Agent for service of process: _____
_____
_____
☐ Surrendered its right to transact intrastate business in California _____
☐ Forfeited its right to transact business in California _____ for not complying with statutory requirements.
☒ Copies of bylaws and names of shareholders or owners are not required to be filed with this office.
☒ Information regarding related businesses of individual corporate entities is not required to be filed with this office.
☒ Foreign corporations are not required to file names and addresses of officers with this office.
☐ _____
_____
_____
_____
_____

dr/cert

STATUS UNIT

SAC/STATE FORM CI-101 REV. 1-84

COUNTY OF LOS ANGELES • DEPARTMENT OF HEALTH SERVICES

313 NORTH FIGUEROA STREET • LOS ANGELES, CALIFORNIA 90012

PUBLIC HEALTH PROGRAMS

EELE

M.D., M.P.H.

Reply refer to:
2515 South Grand Avenue, Room 607
Los Angeles, CA 90007
(213) 74-

Sept. 29, 1986

Secretary of State
State of California
Corporate Division
1230 'J' Street
Sacramento, CA 95814

Attention Judy Gardner, Supervising Program Technician II

Dear Ms. Gardner:

In connection with our criminal cases involving court or jury trials, we are required to show to the court a certified copy or copies of Articles of Incorporation, Amendments, and Statement of Officers, for corporations located within the State of California.

We, therefore, are requesting certified copies of these documents on the corporation(s) listed below:

Ger[illegible]t Aviron
804 San Fernando Rd.
Sun Valley CA 91352

Thank you for your cooperation in this matter.

Very truly yours,

Anastacio G. Medina

Anastacio G. Medina, Chief
Hazardous Waste Control Program

AGM:

COUNTY OF LOS ANGELES • DEPARTMENT OF HEALTH SERVICES

313 NORTH FIGUEROA STREET • LOS ANGELES, CALIFORNIA 90012

PUBLIC HEALTH PROGRAMS

AS R. STEELE
Director

TH D. FINN, M.D., M.P.H.
cal Director

Reply refer to:
2515 South Grand Avenue, Room 607
Los Angeles, CA 90007
(213) 74-

Sept. 29, 1986

Secretary of State
State of California
Corporate Division
1230 'J' Street
Sacramento, CA 95814

Attention Judy Gardner, Supervising Program Technician II

Dear Ms. Gardner:

In connection with our criminal cases involving court or jury trials, we are required to show to the court a certified copy or copies of Articles of Incorporation, Amendments, and Statement of Officers, for corporations located within the State of California.

We, therefore, are requesting certified copies of these documents on the corporation(s) listed below:

Genex Aviron
8547 San Fernando Rd.
Sun Valley CA 91352

Thank you for your cooperation in this matter.

Very truly yours,

Anastacio G. Medina, Chief
Hazardous Waste Control Program

AGM:

COUNTY OF LOS ANGELES • DEPARTMENT OF HEALTH SERVICES

313 NORTH FIGUEROA STREET • LOS ANGELES, CALIFORNIA 90012

PUBLIC HEALTH PROGRAMS

S R. STEELE
rector

D. FINN, M.D., M.P.H.
rector

Reply refer to:
2515 South Grand Avenue, Room 607
Los Angeles, CA 90007
(213) 74

Sept. 29, 1986

Secretary of State
State of California
Corporate Division
1230 'J' Street
Sacramento, CA 95814

Attention Judy Gardner, Supervising Program Technician II

Dear Ms. Gardner:

In connection with our criminal cases involving court or jury trials, we are required to show to the court a certified copy or copies of Articles of Incorporation, Amendments, and Statement of Officers, for corporations located within the State of California.

We, therefore, are requesting certified copies of these documents on the corporation(s) listed below:

Genex Axiron
8547 San Fernando Rd.
Sun Valley CA 91352

Thank you for your cooperation in this matter.

Very truly yours,

Anastacio G. Medina, Chief
Hazardous Waste Control Program

AGM:

COUNTY OF LOS ANGELES • DEPARTMENT OF HEALTH SERVICES

313 NORTH FIGUEROA STREET • LOS ANGELES, CALIFORNIA 90012

PUBLIC HEALTH PROGRAMS

STEELE

NN, M.D., M.P.H.

Reply refer to:
2515 South Grand Avenue, Room 507
Los Angeles, CA 90007
(213) 74[illegible]

Sept. 29, 1986

Secretary of State
State of California
Corporate Division
1230 'J' Street
Sacramento, CA 95814

Attention Judy Gardner, Supervising Program Technician II

Dear Ms. Gardner:

In connection with our criminal cases involving court or jury trials, we are required to show to the court a certified copy or copies of Articles of Incorporation, Amendments, and Statement of Officers, for corporations located within the State of California.

We, therefore, are requesting certified copies of these documents on the corporation(s) listed below:

Genex Aviron
8547 San Fernando Rd.
Sun Valley CA 91352

Thank you for your cooperation in this matter.

Very truly yours,

Anastacio G. Medina, Chief
Hazardous Waste Control Program

AGM:

COUNTY OF LOS ANGELES • DEPARTMENT OF HEALTH SERVICES

313 NORTH FIGUEROA STREET • LOS ANGELES, CALIFORNIA 90012

PUBLIC HEALTH PROGRAMS

TEELE

N, M.D., M.P.H.

Reply refer to:
2515 South Grand Avenue, Room 507
Los Angeles, CA 90007
(213) 74-

Sept. 29, 1986

Secretary of State
State of California
Corporate Division
1230 'J' Street
Sacramento, CA 95814

Attention Judy Gardner, Supervising Program Technician II

Dear Ms. Gardner:

In connection with our criminal cases involving court or jury trials, we are required to show to the court a certified copy or copies of Articles of Incorporation, Amendments, and Statement of Officers, for corporations located within the State of California.

We, therefore, are requesting certified copies of these documents on the corporation(s) listed below:

Genex Avion
8547 San Fernando Rd.
Sun Valley CA 91352

Thank you for your cooperation in this matter.

Very truly yours,

Anastacio G. Medina, Chief
Hazardous Waste Control Program

AGM:

HAZARDOUS MATERIALS EMERGENCY INCIDENT REPORT — LOG NO. 2124

COMPLETED BY: B Shear — DATE 8/26/8

NAME/DBA: Genex Aviron

LOCATION: 8647 San Fernando Rd
Sun Valley 91352

COMPLAINT: [4] abandoned drums

- [ ] VERY SEVERE
- [ ] SEVERE
- [x] MODERATE
- [ ] LOW LEVEL
- [ ] NON-HAZARDO

DATE OF INCDT: 8/26/86 TIME REPORT REC'D: 11:00 (AM) PM TIME OCC'D: last week AM IS

REPORTED BY: George Watson AGENCY: LA Industrial PHONE: 818 989-8494

LACHD ARRIVAL ON SCENE DATE: 8/26/86 TIME: 12:00 AM (PM) FINDINGS:

Site abandoned full drums, unmarked, three with liquid, ~~3~~ three with sludge, were disposed along side of street north of 8620 Tujunga Ave.

INCIDENT INFORMATION

MATERIALS/QUANTITY: 6 drums, 6 small containers of metal finishing compou

NATURE OF MTL: [ ] corrosive, toxic, flammable

EFFECT: ENVIRONMENTAL [x] COMMUNITY HEALTH: [x]

RISK EXPOSURE: [ ] LOW [x] MOD [ ] HIGH LEGAL ACTION: LACHD [ ] LAC [ ]

NO. OF PERSONS EXPOSED: 0 SYMPTOMS:

NO. OF LAC. EMPLOYEES EXPOSED: 3 SYMPTOMS: none

REMEDY

ACTION: Possible court case. Samples taken. Drums removed.

CLEAN UP COMPANY: Containerized Chemical PAID BY: LA City Public Works

STARTED DATE: 12/26/86 TIME: 2:00 AM (PM) FINISHED DATE: 12/26/86 TIME unknown AM PM

EST COST TO LAC: none SITE SECURED: DATE: 12/26/86 TIME: 3:00 AM

RESPONSIBLE PARTY

OFFICER: John J. Nisoras, pres.

ADDRESS: Jay Tex Aviation, 201 E Arkansas Mt. Pleasant, TX 7545

AGENCIES CONTACTED: LAPD, LA City Public Works, LACHWC

RESPONDING AGENCIES: Public Works/Watson LAPD/Rood LACHWC/ Shear, Uroff, Kasman

ADDITIONAL INFORMATION: See file

OHS: 8/86

FILE

HAZARDOUS MATERIALS EMERGENCY INCIDENT REPORT

LOG NO.: 215

COMPLETED BY: B. SHEAR & W. UROFF

DATE: 08-26-8

NAME/DBA: GENEX AVIRON
LOCATION: 8647 SAN FERNANDO RD
SUN VALLEY, CA. 91352
COMPLAINT: [4] ABANDONED DRUMS

[ ] VERY SEVERE
[ ] SEVERE
[X] MODERATE
[ ] LOW LEVEL
[ ] NON-HAZARDO

DATE OF INCD: 08-26-86 TIME REPORT REC'D: 11:00 A M TIME OCC'D:LAST WK M
REPORTED BY: GEORGE WATSON AGENCY:LA INDUST WASTE PHONE:(818) 989-8494

LACHD ARRIVAL ON SCENE: DATE:08-26-86 TIME: 12:00 P M
FINDINGS: [4] SIX UNMARKED 55 GAL DRUMS, THREE WITH LIQUID AND THREE WITH SLUDGE ABANDONED ALONG THE SIDE OF THE STREET, NORTH OF 8620 TUJUNGA AVE.

==========INCIDENT INFORMATION==========

MATERIALS/QUANTITY: 6 DRUMS, 6 SMALL CONTAINERS OF METEL FINISHING COMPD
NATURE OF MTL.: [6] CORROSIVE, TOXIC, FLAMMABLE
EFFECT: ENVIRONMENTAL [1] COMMUNITY HEALTH [1]
RISK EXPOSURE: [ ] LOW [ ] MOD [ ] HIGH LEGAL ACTION: LACHD [X] LAC [ ]
NO. OF PERSONS EXPOSED: NONE SYMPTOMS:
NO OF LAC. EMPLOYEES EXPOSED: 3 SYMPTOMS: NONE REPORTED

==========REMEDY==========

ACTION: POSSIBLE LEGAL ACTION, SAMPLES TAKEN, DRUMS REMOVED
CLEAN UP COMPANY: CONTAINERIZED CHEMICAL PAID BY: LA CITY PUB WKS
STARTED: DATE:08-26-86 TIME:2:00 P M FINISHED DATE:08-26-86 TIME:UNKNOW P M
EST COST TO LAC: NONE SITE SECURED: DATE:08-26-86 TIME:3:00 P M

==========RESPONSIBLE PARTY==========

OFFICER: JOHN J. NISOROS, PRES. JAY TEX AVIATION
ADDRESS: 201 E ARKANSAS, MT. PLEASANT, TEXAS 75455

==========

AGENCIES CONTACTED:

RESPONDING AGENCIES: LA CITY PUBLIC WORKS, LAPD, LACDHS

ADDITIONAL INFORMATION: SEE FILE

COUNTY OF LOS ANGELES • DEPARTMENT OF HEALTH SERVICES

313 NORTH FIGUEROA STREET • LOS ANGELES, CALIFORNIA 90012 • (213) 974-

Reply refer to:
2615 S. Grand Ave, Rm 607
Los Angeles, CA 90007

October 1, 1986

Secretary of State
State of Texas
Corporate Division
P.O. Box 13697
Austin, TX 78711

Dear Secretary:

In connection with our criminal cases involving court or jury trials, we are required to show to the court a certified copy or copies of Articles of Incorporation, Amendments, and Statement of Officers, for corporations.

We, therefore, are requesting certified copies of these documents on the corporation(s) listed below:

Jay Tex Aviation
P.O. Box 1091
201 E. Arkansas
Mt. Pleasant; TX 75455

Thank you for your cooperation in this matter.

Very truly yours,

Anastacio G. Medina, Chief
Hazardous Waste Control Program

AGM:BS:qb

12:00 8/26/86

Genex Aviron
8647 San Fernando Rd
Sun Valley 91352

left drums
out of business

Articles of Incorporation 512-463-5555

Jay Tex Aviation
PO Box 1091
201 E Arkansas
Mt. Pleasant TX 75455

Liquidators cleaning out bldg for last month or so. Put drums on street
"Dwayne" - 767-8796
local # maybe out of svce
(phone in bldg.)

↳ Pres. John J. Nisoros
[214] 572-3688
TLX 732379

Bank of the West
213-274-8558
Karen Willijj

owners. Have key. Are showing property

CBI Properties
(818) 886-5544
Mike Lowenstein

Realtors

Witnesses: See Frank Rood } 485-4011
Jim Blum }

cleanup signed by: George Watson - (818) 989-8494
LA City Dept. Public Works

Nelson's Farmer Sply.
8637 SFR SV 91352
Clyde Jones Rocendo Solas (213) 768-6974

COUNTY OF LOS ANGELES • DEPARTMENT OF HEALTH SERVICES

313 NORTH FIGUEROA STREET • LOS ANGELES, CALIFORNIA 90012

PUBLIC HEALTH PROGRAMS

UGLAS R. STEELE
unty Director

RTIN D. FINN, M.D., M.P.H.
dical Director

Reply refer to:
2615 South Grand Avenue, Room 607
Los Angeles, CA 90007
(213) 744-

Sept. 29, 1986

Secretary of State
State of California
Corporate Division
1230 'J' Street
Sacramento, CA 95814

Attention Judy Gardner, Supervising Program Technician II

Dear Ms. Gardner:

In connection with our criminal cases involving court or jury trials, we are required to show to the court a certified copy or copies of Articles of Incorporation, Amendments, and Statement of Officers, for corporations located within the State of California.

We, therefore, are requesting certified copies of these documents on the corporation(s) listed below:

Genex Aviroa
8347 San Fernando Rd.
Sun Valley CA 91352

Thank you for your cooperation in this matter.

Very truly yours,

Anastacio G. Medina, Chief
Hazardous Waste Control Program

AGM:

HAZARDOUS WASTE CONTROL PROGRAM
EMERGENCY RESPONSE INFORMATION FORM

DATE 8-26-86 LOG NO. 2158

TIME REC'D 11:40 AM Thomas Guide Pg/Grid

REC'D BY DMP TIME INCDT OCCURRED 1125

DBA / LOCATION 8200 block of Tujunga (at dead end). north of Remsen

REPORTED BY Jim Blum AGENCY LAPD PHONE

NATURE OF INCIDENT/LOCATION AFFECTED 15 drums dumped - 1 leaker, one containe w/ approx. 2 gls. phosphoric acid (labelled)

CHEMICAL TYPE/VOLUME

NO. PEOPLE EXPOSED/SYMPTOMS ~~0~~

ADDITIONAL REMARKS LAPD responding to fingerprint - Advised of the dumping on Stathem & Tujunga

INVESTIGATOR(S) RESPONDING Shearer/Ulk

REFERRALS MADE

TIME OF ARRIVAL

FIELD NOTES: Advised Bonnie by radio to have containerized go to this address also.

P+P notified 12$^{55}_{pm}$ F.V.

1500 - 10/24 Code 7

** Personnel taking information shall complete all sections, make a copy, and refer immediately to supervisor for case assignment.

HAZARDOUS WASTE CONTROL PROGRAM
EMERGENCY RESPONSE INFORMATION FORM

DATE 8-26-86 LOG NO. 2154

TIME REC'D 11 Am Thomas Guide Pg./Grid

REC'D BY VOSBURG TIME INCDT OCCURRED Currently

D3A / LOCATION Strathern + Tujunga Sunland

REPORTED BY George Watson AGENCY LA Industrial Waste PHONE

NATURE OF INCIDENT/LOCATION AFFECTED

CHEMICAL TYPE/VOLUME 4-55 gal drums unknown 3- 1 pt. bottles of acid
2-5 gal containers of Trichlor

NO. PEOPLE EXPOSED/SYMPTOMS

ADDITIONAL REMARKS Containerized Chemical has been called

INVESTIGATOR(S) RESPONDING B.S.

REFERRALS MADE

TIME OF ARRIVAL

FIELD NOTES:

** Personnel taking information shall complete all sections, make a copy, and refer immediately to supervisor for case assignment.

PRIORITY
(explain) Court Case
Save Samples!

County of Los Angeles
Department of Health Services
Occupational Health Division
Hazardous Waste Control Program
2615 S. Grand Ave. - 8th Floor
Los Angeles, CA 90007
(213) 744-3235

LOS ANGELES COUNTY
DEPARTMENT OF HEALTH SERVICES
PUBLIC HEALTH LABORATORIES

HAZARDOUS WASTE SAMPLE ANALYSIS REQUEST

PART I: FIELD SECTION

Collector Bonnie Shean Date Sampled 8/20/86 Time 2100 Hours

Location of Sampling Gen. Aviron
name of company, disposal site, etc.

Address 8047 San Fernando Rd Sunvalley CA 91352
number street city state zip

Telephone (213) 744-3235 Company Contact

FIELD NO.	1	2	6	7	8	
SAMPLE OF	Yellow liquid	Lt brown liquid	Saturated gold liquid	phosphoric acid	Methyene	
LOCATION OF SAMPLE	abandoned drum	abandoned drum	abandoned drum	qt bottle	8 oz bottle	
ANALYZE FOR					?	

REMARKS:

PART II: LABORATORY SECTION

LAB NO.						
FINDINGS						

HQ
931
937
940 AW

PART III: CHAIN OF POSSESSION

	Signature	Agency/Organization	Inclusive Dates
1.	Bonnie Shean	LACHWC stored at Sylmar	8/20/86
2.			
3.			
4.			
5.			

12:00 Genex Auron
8/26/86

Sample description

#1 - unmarked 55g dr.
clear slightly viscous yellow liquid
#2 - unmarked 55 g dr.
dark brown slightly viscous liquid
#3 - unmarked 55 g dr.
Separated sample
90% light gold clear liquid over 10% dark gold liquid - both oily.
#4 - 2/1gt bottles "Deoxidine" Blue label
H_3PO_4 American Chemical Paint Co.
#5 - Alodine "1200 Toner" green label 8 oz.

HazCat

Sample	pH	headspace
1	7	~~330~~ ppm
2	7	1300 "
3	7	1300 "
4	<1	250 "
5	<1	100 "

GLOBE AEROSPACE

11331 Penrose Street

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 18317

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: GLOBE AEROSPACE

EQUIPMENT LOCATED AT: 11331 PENROSE STREET
SUN VALLEY, CALIFORNIA

APPL. NO. C-35806

EQUIPMENT DESCRIPTION AND CONDITIONS:

DEGREASER, DELTA VAPOR-SPRAY TYPE, MODEL DB-1R, 3'-8" W. X 2'-9" L. X 3'-10" H., 4-K.W. ELECTRICALLY HEATED, WITH A 1/8-H.P. SPRAY PUMP.

CONDITIONS

1. THIS DEGREASER MUST BE OPERATED IN COMPLIANCE WITH RULE 1122 AT ALL TIMES.
2. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS USED IN THIS EQUIPMENT (NOT INCLUDING SALVAGED SOLVENT) MUST NOT EXCEED 3 GALLONS IN ANY ONE MONTH.
3. ORGANIC SOLVENTS (AND/OR COATINGS CONTAINING ORGANIC SOLVENTS) USED IN THIS EQUIPMENT MUST BE CLEARLY LABELED AS NON-PHOTOCHEMICALLY REACTIVE BY THE SUPPLIER, OR FOR BULK SHIPMENTS, SHOULD BE NON-PHOTOCHEMICALLY REACTIVE. (1 OF 2 PAGES)

FILE COPY

This initial permit must be renewed by 9/1/82 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

bCAP00024 9000:a 805=

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

Marie D. Cruz

DATE 9/15/81 PERMIT SECTION

76P235M - 6/79

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

CONTINUATION OF PERMIT NO. M 18317
(MUST BE DISPLAYED WITH PERMIT)

ON BILLS OF LADING OR INVOICES.

APPL. NO. C-35806

SOUTH COAST AQMD

Facility INformation Detail (FIND)

Application Details

Application/Tracking Number C35806

Facility Information

Business Name

Facility ID 17146 Facility Status

Application Information

Application Type Application Received

Application Status Application Deemed Complete

Equipment Desc DEGREASER PERCHLOROETHYLENE (>1lb VOC/d)

Permit Number Permit Status INACT_NR

View Permit Image

Engineer Information

Engineer Assigned

Engineer Phone Team Assigned

Equipment List

Facility ID	17146
Company Name	GLOBE AEROSPACE
Address	11331 PENROSE ST
	SUN VALLEY, CA 91352

Appl_Nbr	Permit_Nbr	Issued_Date	Permit_Status	Eq_Type	Equip_Description	Appl_Date	Appl_Status
C35806	M18317	9/15/1981	INACT_NR	Basic	DEGREASER PERCHLOROETHYLENE (>1lb VOC/d)		PERMIT TO OPERATE GRANTED

First Prev Page 1 of 1 (1 records) Next Last Page 1 Export To Excel

SOUTH COAST AQMD

Facility INformation Detail (FIND)

Facility Details

Facility ID	17146
Company Name	GLOBE AEROSPACE
Address	11331 PENROSE ST
	SUN VALLEY, CA 91352

View Area Map

Status ACTIVE

Are there any back fees due?

No.

SIC Code	Description
3599	INDUSTRIAL MACHINERY, NEC

SOUTH COAST AQMD

Facility INformation Detail (FIND)

Compliance

Facility ID	17146
Company Name	GLOBE AEROSPACE
Address	11331 PENROSE ST
	SUN VALLEY, CA 91352

Notices Of Violaton: NONE

Notices To Comply: NONE

INTERNATIONAL GRINDING COMPANY

8520 Tujunga Avenue

City of LOS ANGELES
CALIFORNIA

LOS ANGELES FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3680

Business No.: FA0019889
Business Name: INTERNATIONAL GRINDING COMP/
Business Mailing Address: 8520 TUJUNGA AV
SUN VALLEY, CA 91352
Storage Address: 8520 N TUJUNGA AVE

Date:
Last Inspection Date:
Permit Date: 07/01/2004
RFI Request No:
RFI Requestor Name:

Chemical & Ingredients	Haz. Mat. Type	Max. Qnt on hand:	Yearly Qnt	Product Storage Type	Physical State
-		0	0		
DEOLENE #264-E(In-active) Inactivated on: 10/01/1992	1	100	100		L
-		0	0		
DEOLENE SPECIAL ANTIRUST(In-active) Inactivated on: 02/11/1994	1	16	30		L
-		0	0		
DODGE KOOL SOLUBLE OIL(In-active) Inactivated on: 02/11/1994	1	16	55		L

City of LOS ANGELES
CALIFORNIA

LOS ANGELES FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3680

Business No.: FA0019889
Business Name: INTERNATIONAL GRINDING COMP/
Business Mailing Address: 8520 TUJUNGA AV
SUN VALLEY, CA 91352
Storage Address: 8520 N TUJUNGA AVE

Date:
Last Inspection Date:
Permit Date: 07/01/2004
RFI Request No:
RFI Requestor Name:

Chemical & Ingredients	Haz. Mat. Type	Max. Qnt on hand:	Yearly Qnt	Product Storage Type	Physical State
-		0	0		
SAFWAY LUBE P-50(In-active) Inactivated on: 02/11/1994	1	32	55		L
-		0	0		
SAPPHIRE TITANIUM GRINDING OIL(In-active) Inactivated on: 10/01/1992	1	55	100		L
-		0	0		
SOLVENT(In-active) Inactivated on: 02/11/1994	1	5	55		L

City of LOS ANGELES
CALIFORNIA

LOS ANGELES FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3680

Business No.: FA0019889
Business Name: INTERNATIONAL GRINDING COMP/
Business Mailing Address: 8520 TUJUNGA AV
SUN VALLEY, CA 91352
Storage Address: 8520 N TUJUNGA AVE

Date:
Last Inspection Date: 10/06/1992
Permit Date: 07/01/2004
RFI Request No:
RFI Requestor Name:

Chemical & Ingredients	Haz. Mat. Type	Max. Qnt on hand:	Yearly Qnt	Product Storage Type	Physical State
-		0	0		
DEOLENE #264-E(In-active) Inactivated on: 10/01/1992	1	100	100		L
-		0	0		
DEOLENE SPECIAL ANTIRUST(In-active) Inactivated on: 02/11/1994	1	16	30		L
-		0	0		
DODGE KOOL SOLUBLE OIL(In-active) Inactivated on: 02/11/1994	1	16	55		L

City of LOS ANGELES
CALIFORNIA

LOS ANGELES FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3680

Business No.: FA0019889
Business Name: INTERNATIONAL GRINDING COMP/
Business Mailing Address: 8520 TUJUNGA AV
SUN VALLEY, CA 91352
Storage Address: 8520 N TUJUNGA AVE

Date:
Last Inspection Date: 10/06/1992
Permit Date: 07/01/2004
RFI Request No:
RFI Requestor Name:

Chemical & Ingredients	Haz. Mat. Type	Max. Qnt on hand:	Yearly Qnt	Product Storage Type	Physical State
-		0	0		
SAFWAY LUBE P-50(In-active) Inactivated on: 02/11/1994	1	32	55		L
-		0	0		
SAPPHIRE TITANIUM GRINDING OIL(In-active) Inactivated on: 10/01/1992	1	55	100		L
-		0	0		
SOLVENT(In-active) Inactivated on: 02/11/1994	1	5	55		L

Department of Toxic Substances Control

Matthew Rodriquez
Secretary for
Environmental Protection

Deborah O. Raphael, Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Edmund G. Brown Jr
Governor

Facility Search Results

Search Criteria:

Street: 8520 TUJUNGA

Sorted By: EPAID,NAME

ID's Listed:

Address used in the search and displayed below is the Physical Address.

ID Number	Name	Address	City	Zip

No Data Found

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

J & M CONTAINERS

8508 San Fernando Road

Matthew Rodriquez
Secretary for
Environmental Protection

Department of Toxic Substances Control

Deborah O. Raphael, Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Edmund G. Brown Jr.
Governor

EPA ID PROFILE

ID Number: CAP000007859 **Name :** J AND M CONTAINERS INCORPORATED

Status: INACTIVE **Inactive Date:** 07/17/2006 **Record Entered:** 01/17/2006 **Last Updated:** 07/31/2006

County: LOS ANGELES **NAICS:** **SIC:**

	Name	Address	City	State	Zip Code	Phone
Location	J AND M CONTAINERS INCORPORATED	8508 SAN FERNANDO RD	SUN VALLEY	CA	913523110	
Mailing		PO BOX 572107	TARZANA	CA	913572107	
Owner	J AND M CONTAINERS INCORPORATED	PO BOX 572107	TARZANA	CA	913572107	
Operator/ Contact	GREG MEAD	PO BOX 572107	TARZANA	CA	913572107	6612813737

Based ONLY upon ID Number **CAP000007859**

Calif. Manifests ?	Non Calif. Manifests ?	Transporter Registration ?
YES	NO	NO

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

California Waste Code By Year Matrix

ID Number: CAP000007859

Entity Type : GENERATOR

Weight (in Tons)

Ship Years

Calif. Code	Description	2005
211	HALOGENATED SOLVENTS	0.6672
	Grand Total	**0.6672**

RCRA Waste Code By Year Matrix Report

ID Number: CAP000007859

Entity Type: GENERATOR

Weight (in Tons)

RCRA Code	Description	*Ship Years* 2005
F002	Halogenated solvents	**0.6672**
	Grand Total	**0.6672**

KUHN MANUFACTURING

11428 Fleetwood Street

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D06864
A/N 178344
Page 1

This initial permit must be renewed by 06/01 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner
or Operator: KUHN MANUFACTURING COMPANY, INCORPORATED

Equipment
located at: 11428 FLEETWOOD STREET, SUN VALLEY, CALIFORNIA

Equipment Description:

SPRAY BOOTH, AUTOMOTIVE TYPE, AIR FILTRATION MODEL ARA-2108; 16'-4" W. X 25'-0" L. X 10'-0' H., WITH SIXTEEN 20" X 25" EXHAUST FILTERS AND A 3 H.P. EXHAUST FAN.

FILE COPY

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. THIS SPRAY BOOTH MUST NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST 2 INCHES THICK.

4. A GAUGE MUST BE INSTALLED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL MUST NOT EXCEED 0.25 INCH OF WATER.

5. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS USED AT THIS PLANT MUST NOT EXCEED 4 GALLONS IN ANY ONE DAY.

6. THIS EQUIPMENT MUST BE OPERATED IN COMPLIANCE WITH RULE 1107.

7. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO VERIFY DAILY USAGE AND DAILY VOLATILE ORGANIC COMPOUNDS (VOC) EMISSIONS IN A MANNER APPROVED BY THE DIRECTOR OF ENFORCEMENT IN WRITING. SUCH RECORDS SHALL BE RETAINED FOR A PERIOD OF TWO YEARS AND BE MADE AVAILABLE UPON REQUEST OF THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE.

8. THE VOLATILE ORGANIC COMPOUND (VOC) CONTENT OF COATINGS USED IN THIS EQUIPMENT MUST NOT EXCEED 3.5 POUNDS PER GALLON OF COATINGS, LESS WATER AND LESS EXEMPT SOLVENT.

THIS PERMIT CONCLUDES ON THE NEXT PAGE.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

CONTINUATION OF PERMIT TO OPERATE

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY MUST BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

FILE COPY

By Raquel Puerta/jas
April 5, 1989

KURN MANUFACTURING CO., INC.
ATTN: BILL HENRICHS
11428 FLEETWOOD STREET
SUN VALLEY, CA. 91352

SOUTH COAST AQMD

Facility INformation Detail (FIND)

Application Details

Application/Tracking Number 178344

Facility Information

Business Name	KUHN MANUFACTURING CO, INC		
Facility ID	63838	Facility Status	ACTIVE

Application Information

Application Type	Permit to Construct	Application Received	10/26/1988
Application Status	PERMIT TO OPERATE GRANTED	Application Deemed Complete	
Equipment Desc	SPRAY BOOTH PAINT AND SOLVENT		
Permit Number	D06864	Permit Status	ACTIVE

View Permit Image

Engineer Information

Engineer Assigned			
Engineer Phone		Team Assigned	06

Matthew Rodriquez
Secretary for
Environmental Protection

Department of Toxic Substances Control

Deborah O. Raphael, Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Edmund G. Brown Jr.
Governor

EPA ID PROFILE

ID Number: CAL000043159 **Name :** KUHN MANUFACTURING CO INC

Status: ACTIVE **Inactive Date:** **Record Entered:** 01/08/1991 **Last Updated:** 04/07/2009

County: LOS ANGELES **NAICS:** **SIC:**

	Name	Address	City	State	Zip Code	Phone
Location	KUHN MANUFACTURING CO INC	11428 FLEETWOOD ST	SUN VALLEY	CA	913523101	
Mailing		11428 FLEETWOOD ST	SUN VALLEY	CA	913520000	
Owner	CHARLES J KUHN	11428 FLEETWOOD ST	SUN VALLEY	CA	913520000	8187676662
Operator/ Contact	BUDDY KUHN - V. PRES.	11428 FLEETWOOD ST.	SUN VALLEY	CA	913520000	8187676662

Based ONLY upon ID Number **CAL000043159**

Calif. Manifests ?	Non Calif. Manifests ?	Transporter Registration ?
NO	NO	NO

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

LADO MANUFACTURING

11400 Luddington Street

LADO MFG. CO. @ 11400 LUDINGTON ST. A {12/17/10(II)}

1) 3/23/93 WQCB Letter (x3)

2) 11/19/92 Add'l Sampling, WE Corp.

3) 5/18/92 WQCB Letter (x2) ~~Work Plan, WE Corp.~~

4) 3/31/92 Prelim. Surface Invest., WE Corp.

5) 3/6/92 WQCB call summary

6) 2/10/92 "

7) 10/28/91 Prelim Surface Invest., WE Corp.

8) 6/1/89 Lab Results

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION
[illegible]

February 23, 1993

Mr. Brian Larsen
Lado Manufacturing Company Inc.
11400 Luddington Street # A
Sun Valley, California 91352

WELL INVESTIGATION PROGRAM-SUPPLEMENTAL SUBSURFACE SOILS INVESTIGATION (File No. 111.2382)

Reference is made to your consultant's, Winslowe Environmental (WE) Corporation report dated November 19, 1992, and received December 30, 1992, containing results of the Supplemental Subsurface Soils Investigation completed at your facility. We have reviewed and evaluated the report and have the following comments.

The reported analytical test results from soil samples obtained from supplemental test boring completed on-site to evaluated the industrial waste clarifier operation have identified the following:

1. Chlorinated volatile organic compounds:

   a. methylene chloride (MCL) was identified only at soil test boring A-1 completed adjacent to the effluent pipe line of the industrial waste clarifier at a depth 10 feet below ground surface at a concentration of 91 µg/kg.

   b. chloroform was identified only at the test boring A-1 at a depth of 25 feet below ground surface at a concentration of 46 µg/kg.

2. No other chlorinated volatile organics were identified above the limit of detection specified for the procedure in any soil sample analyzed.

3. Petroleum-based hydrocarbons were identified at soil test boring A-1 and A-2 at the various depths explored. At A-1 hydrocarbons were identified only near the surface and up to 25 feet below ground surface at the highest concentration at 15 feet at 263 mg/kg. At test boring A-2, petroleum hydrocarbons were identified at all depths explored except 25 feet below ground surface at concentration ranging from 5.5 mg/kg to 94 mg/kg. The highest concentration was detected at a depth 10 feet.

Based upon the limited scope of subsurface soils investigation completed on-site, no final determination can be made regarding the downward extent of primarily petroleum-based hydrocarbons

contaminants identified adjacent to the effluent and influent pipe lines of the industrial waste clarifier and the potential for migration below the depths explored (40 feet below ground surface). Since only methylene chloride and chloroform were identified in relatively low concentrations, and since groundwater underlies the site at approximately 240 feet below ground surface, no further subsurface soils investigation is required at your facility at this time. However, you may be required to conduct the supplemental subsurface soils investigation in the future as additional soils and/or groundwater data becomes available from facilities in the surrounding area.

To ensure that no further discharges occur on-site, you must submit an updated plan by May 15, 1993, to improve the management of chemicals and wastes used or generated from your company operations. Your industrial waste clarifier was inspected by this Regional Board staff on February 10, 1992. At that time the integrity of the unit appeared to be satisfactory, however, we recommend that you implement an ongoing program to routinely inspect (every six month) the clarifier for any cracks or leaks that may develop, in order to eliminate any future contamination problem.

Please contact me at (213) 266-7546, or Ms. Ann Zaszkodna at (213) 266-7585 if you have any questions regarding this matter.

David A Bacharowski

DAVID A. BACHAROWSKI
Environmental Specialist IV

cc: Mr. Chris Stubbs, U.S. EPA Region IX
Mr. John Hubbard, Winslowe Environmental Corporation
Mr. Bruce Wojcik, Los Angeles County, Forester and Fire Warden

WE CORP
WINSLOWE ENVIRONMENTAL

NOVEMBER 19, 1992

ADDITIONAL SAMPLING AND ANALYSES AT

LADO MANUFACTURING
11400 LUDDINGTON ST
SUN VALLEY, CALIFORNIA

PREPARED FOR

LADO MANUFACTURING
SUN VALLEY, CALIFORNIA

PREPARED BY

WINSLOWE ENVIRONMENTAL
CORPORATION
SEAL BEACH, CALIFORNIA

WRITTEN BY

JOHN S. HUBBARD
HYDROGEOLOGIST

REVIEWED BY

DR. ROBERT A.P. GAAL
CA REG GEOLOGIST #3039

808 Electric Avenue, Suite 202 Seal Beach California 90740 • (310) 799-1406 FAX (310) 598-8184

1.0 EXECUTIVE SUMMARY

On June 29, 1992 Mr. Brian Larsen (President, Lado Manufacturing) retained Winslowe Environmental Corporation (WE CORP) to draft and implement a workplan for additional soil sampling and analyses at the Lado Manufacturing facility located at 11400 Luddington Street in Sun Valley (Plate 1).

A previous episode of soil sampling and analyses revealed minor concentrations of 1,1,1 trichloroethane, methylene chloride, chloroform and petroleum based hydrocarbons beneath the input and output lines of an existing clarifier at the property.

The Regional Board has mandated additional sampling and analyses in a letter to Mr. Brian Larsen, dated June 18, 1992. In the letter, the Regional Board outlined a minimum scope of work consisting of the following tasks:

- The construction of 2, 40 foot boreholes located adjacent to the input and output lines of the clarifier and the boreholes associated with the preliminary sampling and analyses (Plate 2).
- The collection of discreet, undisturbed soil samples at 5 foot intervals, beginning at 10 feet below grade.
- The analyses of all samples for petroleum based hydrocarbons by EPA Method 418.1 and Volatile Halogenateds by EPA Method 8010.
- Drafting and submittal of a report of findings to the Regional Board.

The additional soil sampling and analyses revealed minor concentrations of Volatile Halogenateds for A-1 at the 10' and 25' depths. Petroleum based hydrocarbons were distributed sporadically in the subsurface at concentrations below utilized action levels.

Because of the relatively deep occurrence of first groundwater, the limited vertical extent of the absorbed plume and the occurrence of fine grained sediments at the intervals 30' through at least 40 feet, no further action is recommended.

3.0 BACKGROUND

Mr. Brian Larsen received a letter from the California State Regional Water Quality Control Board dated July 26, 1991 informing him of the objectives of the Well Investigation Program (WIP) and the inclusion of the Lado Manufacturing facility into the program.

Mr. Brian Larsen retained WE CORP to draft and implement a workplan to satisfy the Regional Board's requirements as described in the July 26, 1991 letter. The workplan, entitled "Workplan for Preliminary Subsurface Investigation at Lado Manufacturing Company Facility" dated October 28, 1991 was approved by the Regional Board on November 22, 1991.

On March 3, 1992 the soil sampling was conducted at the subject property. The scope of work involved soil sampling and analyses to as depth of 8 feet beneath the input and output lines associated with an existing clarifier on the facility and the collection and analyses of sludge samples from the same.

A report of findings dated March 31, 1992 entitled "Preliminary Subsurface Investigation at Lado Manufacturing Company Facility, 11400 Luddington Street, Sun Valley, California" was drafted by WE CORP and submitted to Mr. Brian Larsen and the Regional Board. In summary, the preliminary subsurface investigation revealed the following:

- Chlorinated hydrocarbons in the way of 1,1,1 trichloroethane was revealed beneath the output line in concentrations ranging from 30.9 ug/kg to 66.9 ug/kg.
- Methylene Chloride was detected beneath the output lines in concentrations ranging from 20.1 ug/kg to 35.1 ug/kg.
- Chloroform was detected beneath the input lines in concentrations ranging from 48.9 ug/kg to 342 ug/kg.

- Petroleum based hydrocarbons were detected beneath the output lines in concentration ranging from 120 to 420 mg/kg.

Upon review of the "Preliminary Subsurface Investigation Report" the Regional Board responded with a letter dated June 18, 1992 mandating the drafting and implementing of a workplan for additional soil sampling and analyses in order to determine the lateral and vertical extent of the soil contamination described above. The workplan, dated July 3, 1992 was drafted by WE CORP and approved by the Regional Board.

Presented herein, is our final report of findings associated with the additional sampling and analyses.

6.0 LABORATORY ANALYSES

The soil samples were transported under chain-of-custody protocol to Diversified Analytical Services, a California State Approved laboratory located in Inglewood, California. All samples were analyzed for Volatile Halogenateds by EPA Method 8010 and Total Petroleum Hydrocarbons (TPH) by EPA Method 418.1.

All samples analyzed showed <10 ug/kg for Volatile Halogenateds with the exception of A1-10' which showed 91 ug/kg methylene chloride. Samples analyzed at deeper intervals for A1 all showed <10 ug/kg methylene chloride.

Laboratory analyses by EPA Method 418.1 revealed minor concentrations of hydrocarbons distributed unevenly in the subsurface. Borehole A1 showed non-detectable (ND) concentrations at 30', 35' and 40'. A 25 foot sample showed 37 mg/kg.

The bottom (40') sample from A2 showed only 21.6 mg/kg; the 30 foot sample 40.9 mg/kg. The 25 foot sample showed ND levels of TPH.

Laboratory analyses, QA/QC and chain-of-custodies are presented in Appendix C.

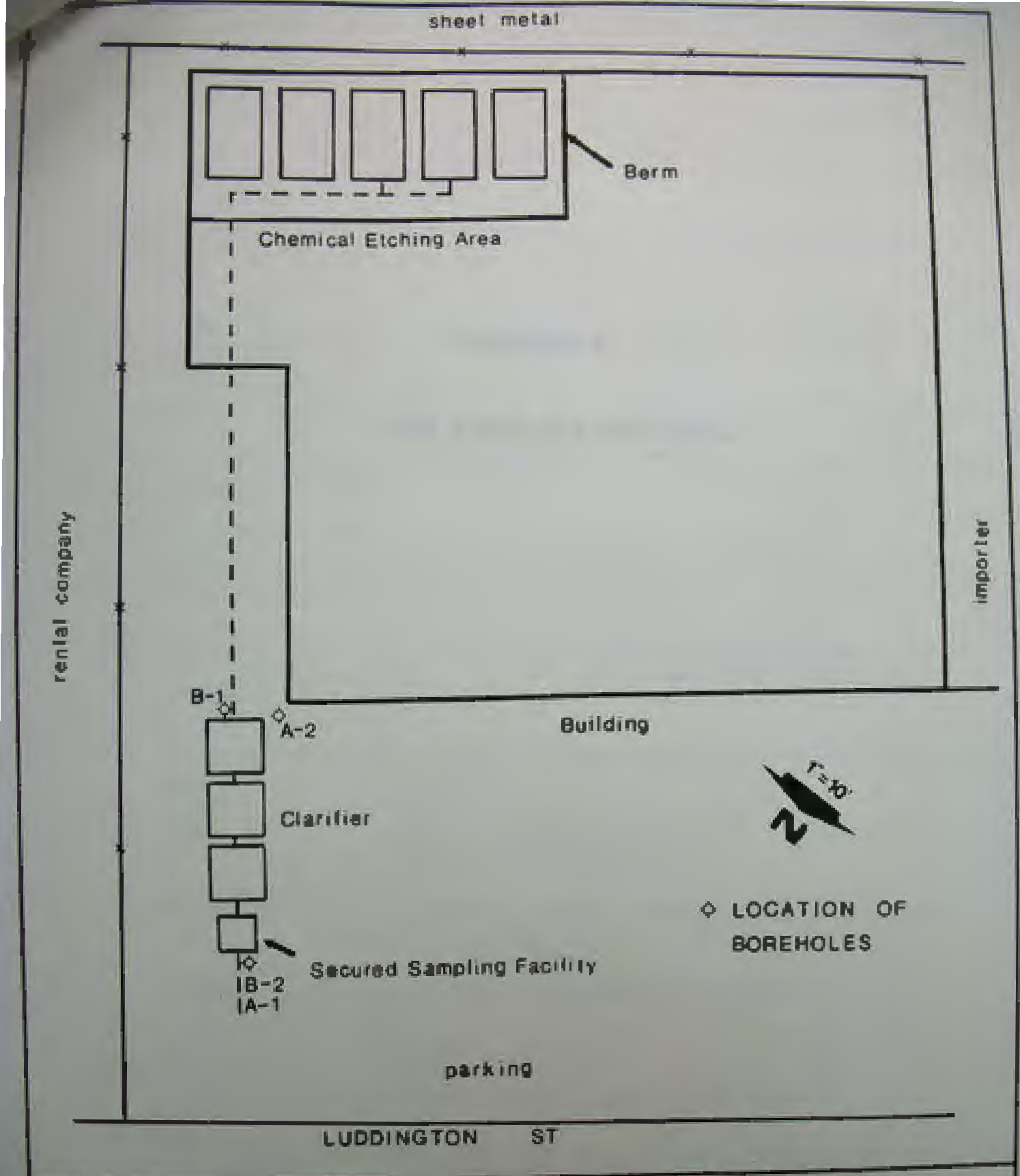
7.0 CONCLUSIONS

The first round of soil sampling and analyses at the subject property revealed that subsurface soils from ground surface to a depth of 7 feet have been impacted by trace concentrations of Volatile Halogenateds and hydrocarbons. This is discussed in detail in Section 3 of this report (reference pages 3 & 4).

The second round of sampling and analyses revealed that the Volatile Halogenateds were not detected from the intervals 10 to 40 feet below ground surface with the exception of A-1(10') and A-1(25').

A-1(10') showed 91 ug/kg methylene chloride; however, deeper intervals showed ND levels of the same. A-1(25') showed 46 ug/kg chloroform. As the shallower intervals showed ND levels of the same, the presence of the chloroform appears anomalous. The important consideration is that the 30', 35' and 40' samples showed ND levels of chloroform. As such, the vertical extent of the Volatile Halogenateds has been defined.

The second round of sampling revealed minor concentrations of TRPH from ground surface to 40 feet for both boreholes. All were below 100 mg/kg with the exception of A-1(15') which showed 263 mg/kg. The distribution of the hydrocarbon was irregular and did not appear to be stratigraphically controlled.



WE CORP
WESTLAKE ENVIRONMENTAL
209 Main Street, Suite A
Seal Beach, California 90740
Tel: (213) 799-1406 • FAX 213-598-8184

SITE PLAN

DRAWN BY: JH	REVIEWED BY: TS	DATE: 11-92	PROJECT NO: 130	PLATE 2

...FORNIA REGIONAL WATER QUALITY CONTROL BOARD—
...ANGELES REGION
...PARK, CA 91754-7154
...

June 18, 1992

CERTIFIED MAIL
RETURN RECEIPT REQUIRED
Claim No. P 997 018 686

Mr. Brian Larsen
Lado Manufacturing Company Inc.
11400 Luddington Street # A
Sun Valley, California 91352

WELL INVESTIGATION PROGRAM-SUBSURFACE SOIL INVESTIGATION
(File No. 111.2382)

Reference is made to your consultant's, Winslowe Environmental Corp., letter dated March 30, 1992, transmitting the final report containing results of the Initial Subsurface Soil Investigation completed at your facility. We have reviewed and evaluated the report and have the following comments.

The reported analytical results of soil samples obtained from test borings completed on-site to evaluate the industrial waste clarifier operation provide the following:

1. Chlorinated hydrocarbons were identified as follow:

   a. 1,1,1-trichloroethane (TCA) was detected only at the soil test boring B-2 located adjacent to the effluent pipe at all sample depths completed at concentrations ranging from 30.9 µg/kg to 66.9 µg/kg.

   b. Chloroform was detected only at the soil test boring B-1 completed adjacent to the influent pipe. Near surface soil samples obtained at the two and five feet below the ground surface contained chloroform at concentrations ranging from 48.9 µg/kg to 342 µg/kg.

   c. Methylene chloride was detected only at soil test boring B-2 at all sample depths at concentrations ranging from 20.1 to 35.1 µg/kg.

   No other chlorinated volatile organic or aromatic hydrocarbons were identified in soil test borings B-1 or B-2 completed on site to evaluate the industrial waste clarifier operation.

2. Petroleum-based hydrocarbons were detected only in soil test boring B-2 at all sample depths at concentrations ranging from 120 to 420 mg/kg.

3. The sludge sample obtained from the first compartment of the industrial waste clarifier contained relatively high concentration of petroleum -based hydrocarbons at 153 mg/kg.

No chlorinated or aromatic hydrocarbons were detected in the sludge sample.

4. Boring log for soil test boring B-2 was not provided with your final report.

Due to the limited scope of subsurface investigation completed on site, the downward and lateral extents of these contaminants that were detected are not known at this time. Therefore you are directed to submit a Supplemental Subsurface Investigation Workplan addressing all requirements included in Supplementary Engineering/Geologic Subsurface Investigation Program (copy enclosed) and the requirements listed below:

1. Total of two (2) supplemental soil test borings must be completed to a minimum of 40 feet below land surface at the influent and effluent pipe of the industrial waste clarifier. Soil samples for laboratory analysis must be obtained at 5 foot intervals, starting from ten (10) feet below land surface, at boring locations adjacent to previously completed shallow soil test borings.

2. All soil samples must be analyzed for volatile organic compounds by EPA Method 8010 and petroleum-based hydrocarbons by EPA Method 418.1.

Four copies of your Supplemental Subsurface Soil Investigations Workplan are due to this Regional Board by August 1, 1992.

Please contact me at (213) 266-7546 or Ms. Ann Zaszkodna at (213) 266-7585, if you have any questions regarding this matter.

Wm. B. Lin for

DAVID A. BACHAROWSKI
Environmental Specialist IV

cc: Mr. Chris Stubbs, U.S.EPA Region IX
Mr. John S. Hubbard, Winslowe Environmental Corp.
Mr. Bruce Wojcik, Los Angeles County, Forester and Fire Warden

WE CORP
WINSLOWE ENVIRONMENTAL

#2 PT2 0106
111 2382

PREPARED FOR: LADO MANUFACTURING COMPANY
11400 LUDDINGTON STREET # A
SUN VALLEY, CA 91352

PRELIMINARY SUBSURFACE INVESTIGATION AT LADO MANUFACTURING COMPANY FACILITY, 11400 LUDDINGTON STREET, SUN VALLEY, CALIFORNIA

PREPARED BY: WINSLOWE ENVIRONMENTAL CORPORATION
909 ELECTRIC AVENUE, SUITE 202
SEAL BEACH, CA 90740

MARCH 31, 1992

WRITTEN BY:

JOHN S. HUBBARD
HYDROGEOLOGIST

REVIEWED BY:

DR. ROBERT GAAL
CA REG GEOL #3039

909 Electric Avenue Suite 202, Seal Beach California 90740 • (310) 798-1406 FAX (310) 598 0164

1.0 EXECUTIVE SUMMARY

The subject property is located at 11400 Luddington Street, # A in a section of Sun Valley zoned for light manufacturing. An existing clarifier on the property is utilized to clarify a waste stream consisting of water, caustic soda, acid and borax soap. The purpose of this preliminary subsurface investigation was is to determine if the clarifier had at one time or another leaked, thus impacting underlying soils with the waste stream.

Two, 8 foot boreholes were drilled adjacent to the input and output lines and soil samples collected at 2' (beneath the lines), 5' (at the base of the clarifier) and 8'. The boreholes could not be advanced deeper because of refusal by cobbles and boulders.

The soil samples were submitted to Diversified Analytical Services to be analyzed for Volatile Halocarbons/Organics by EPA Methods 8010/8020, Total Recoverable Hydrocarbons (TRPH) by EPA Method 418.1 and CAM Metals by EPA 6010. Laboratory analysis revealed trace concentrations of halocarbons (eg. 342 ug/kg Chloroform for B-1(2') and 66.9 ug/kg 1,1,1 Trichloroethane for B-2(2')) and minor oil in the way of 120-420 mg/kg for B-2.

Although data as to specific depth to groundwater for the vicinity of the subject property is not available, accessible data indicates a relatively deep groundwater for this portion of the San Fernando Valley. It is our opinion that the minor contamination revealed in soils underlying the clarifier can migrate vertically and impact the relatively deep groundwater table.

3.0 REVIEW OF SITE DESCRIPTION/BACKGROUND INFORMATION

Mr. Brian Larsen, President of Lado Manufacturing received a letter from the California State Regional Water Quality Control Board, dated July 26, 1991 informing him of the objectives of the Well Investigation Program (WIP) and the incorporation of his facility into the program.

The subject property is located in a dominantly industrial/manufacturing area of Sun Valley. Bordering the subject property to the north is Hollywood Rental Company; a company that rents out generators for the entertainmant industry. Vehicle maintenance was observed at this facility during the site visit. Adjacent to and south of the property is Espana Imports, an import company of religious objects. East of the subject property is Wallace Engineering, a small sheet metal shop and west of the property is Luddington Avenue (Plate 2).

The subject property has a relatively short and simple history. The site was developed in June of 1979 with the construction of the block building, parking lot and four stage clarifier. According to some local business men, previous to development, the site was a vacant lot. Lado Manufacturing has been the only occupant since development. The owner of the property is Mildred Larsen (Telephone: (818) 768-2209).

The subject property as portrayed in Plate 2 consists of a block building, a parking lot and a four stage clarifier.

Processes ongoing at the subject property include aluminum cleaning and resistance spot welding. The aluminum cleaning process involves chemical baths of caustic soda, acid, borax soap and water (Plate 2). The aluminum parts are rinsed in a spray rinse bath and water bath before being immersed in the acid or caustic. The following comprise the procedure to wash a typical aluminum part:

* Part is dipped in Borax soap (Tank A);
* Part is dipped in spray rinse and static rinse (Tanks C & D);
* Part is dipped in caustic soda wash (Tank B);

* Part is dipped in spray rinse and static rinse (Tanks C & D);

* Part is dipped in acid wash (Tank E);

* Part is washed in spray rinse and static rinse (Tanks C & D).

Caustic, borax soap and acid is added to the appropriate vats as needed. As such, solutions from these vats are not treated by the clarifier and discharged into the sanitary sewer. Rather, the waste stream treated by the clarifier are from the spray rinse and the water bath (Plate 2).

The caustic soda, acid and borax soap is stored in the northwest corner of the facility (Plate 2). The caustic soda and acid are the only hazardous substances stored and utilized at the facility. Chlorinated solvents are not utilized at the site.

Although no unauthorized discharges of hazardous substances have been documented for this facility, the waste stream solutions are of elevated pH (eg. 9-10). As such, the possibility exists that the waste stream is chemically degrading the concrete clarifier.

No previous environmental studies or clean-ups have taken place at the site. The Los Angeles County Department of Public Works, the Los Angeles County Health Department, the California State Department of Health Services and the California State South Coast Air Quality Management District do not maintain files for the subject property.

5.0 INSPECTION OF CLARIFIER

The four stage clarifier was installed in June of 1979 and has since been utilized exclusively by Lado Manufacturing. To determine the integrity of the clarifier, the clarifier was evacuated and steam cleaned by United Pumping and visually inspected for any evidence of cracks and/or leaks on February 10, 1992 by Ms. Anna Zaszkodna, a representative of the Regional Board. As it was raining the day of the inspection, the clarifier quickly filled with water; however, Ms. Zaszkodna was satisfied with what she was able to observe.

Prior to being pumped out, a sludge sample from the first compartment of the clarifier was collected and submitted to Diversified Analytical Services to be analyzed for pH, Volatile Organic Compounds/Aromatic Hydrocarbons (EPA Methods 8010/8020), Total Oil and Grease/Petroleum Hydrocarbons (EPA Method 413.1/418.1), CAM Metals and flashpoint to determine if the sludge must be managed as a hazardous waste.

Laboratory analysis revealed the sludge to non-hazardous (Appendix B). As such the sludge was transported under non-hazardous waste manifest to Liquid Waste Management located in McKittrik, California for disposal.

6.3 BOREHOLE SPECIFICATIONS AND SAMPLE COLLECTION

Pursuant to the workplan dated October 28, 1991 2 boreholes were advanced adjacent to the input and output lines of the clarifier (Plate 2). B-1 was refused at 8 feet because of a rock. B-2 was refused at 6 feet by a rock, however, this was redrilled and an 8 foot sample was collected.

Soil samples were collected at 2' (beneath the lines), 5' (at the base of the clarifier) and at 8' (the point of refusal).

The contents of a second sample tube and the soil cuttings were monitored in the field for volatile organics utilizing a photo-ionization detector (PID). All field readings for volatile organics were "0".

The soil profile from 0-8 feet were identical for both boreholes and consisted of massive coarse grained sands with numerous pebbles and cobbles. An idealized geologic log is presented in Appendix C.

Soil cuttings were drummed in DOT approved 55 gallon drums and the boreholes were backfilled with a bentonite grout.

6.4 LABORATORY ANALYSIS

The soil samples were transported under chain of custody protocol to Diversified Analytical Services, a California State Department of Health Services approved laboratory located in Inglewood, California. All samples were analyzed for Purgeable Halocarbons/Volatile Organics by EPA Methods 8010/8020, Total Petroleum Hydrocarbons (TPH) by EPA Method 418.1 and CAM Metals by EPA Method 6010.

Laboratory analysis revealed non-detectable (ND) levels of volatile organics and concentrations of metals well below 10 X STLC for each species. Analysis by EPA 8010 revealed trace concentrations of Chloroform in B-1(2') and B-1(5'). B-1(2') showed 342 ug/kg and B-1(5') showed 48.9 ug/kg. B-1(8') showed ND concentrations. Also revealed were trace concentrations

of 1,1,1 Trichloroethane for B-2. B-2(8') showed 30.9 ug/kg, well below the Maximum Contaminant Level (MCL) for drinking water of 200 ug/kg.

Analysis for Total Recoverable Petroleum Hydrocarbons (TRPH) by EPA Method 418.1 revealed minor concentrations of oil in the samples from B-2. B-2(2') showed 420 mg/kg and B-2(8') showed 220 mg/kg. The laboratory analytical results are presented in Appendix D.

7.0 CONCLUSIONS

On February 10, 1992 Ms. Anna Zaszkodna (Regional Water Quality Control Board) inspected the clarifier at the subject property for competency.

On March 3, 1992 two boreholes were advanced to a depth of 8 feet. Soil samples were collected at 2', 5' and 8'. Sampling and analysis associated with the boreholes revealed minor concentrations of volatile halocarbons and TRPH (EPA 418.1). The TRPH likely stems from a compressor located just east of the borehole.

These trace concentrations of volatile halocarbons and TRPH are not likely to impact groundwater. Although the exact depth to first groundwater is not known, all evidence suggests the occurrence to be relatively deep. As such, it is not likely that the trace amounts of volatile halocarbons and oil will impact groundwater.

8.0 RECOMMENDATIONS

As a result of the findings of this subsurface investigation, no further action is recommended.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION
[illegible]

November 22, 1991

Mr. Brian Larsen
Lado Manufacturing Company Inc.
11400 Luddington Street # A
Sun Valley, California 91352

WELL INVESTIGATION PROGRAM-INITIAL SUBSURFACE SOILS INVESTIGATION WORK PLAN (FILE NO. 111.2382)

We are in receipt of the "Work Plan for Subsurface Investigation", dated October 28, 1991 prepared by Winslowe Environmental Corporation. We have reviewed and evaluated your work plan, and have no objections to its implementation provided that all work is completed as specified in your proposal, and complies with the requirements outlined in the "Work Plan Requirements for Initial Subsurface Engineering/Geologic Soil Investigation", with the additional requirements listed below.

1. We require that the testing laboratory performing any analysis of soil and/or sludge samples (Aton Laboratories) be certified by the State Department of Health Service-Environmental Laboratory Accreditation Program (ELAP) prior to conducting any analysis by EPA Method 8010/8020 for volatile organic compounds and aromatic hydrocarbons as well as for any total petroleum hydrocarbons analysis. An alternative laboratory may be used in order to comply with these requirements.

2. Analytical testing for all soil samples must achieve EPA practical quantitation limits (PQL) of 5 - 10 ug/kg for volatile organic compounds. Analytical results must indicate detection limits and whether constituents exist at trace concentrations. Method detection limits (MDL) for low level testing must achieve 0.5 - 1.0 ug/kg for selected volatile organic constituents. Method detection limits for total petroleum hydrocarbons (TPH) must approach 2 mg/kg for EPA Method 418.1.

3. The laboratory QA/QC report for this project must include, at a minimum, reagent/method blanks, calibration check standards, matrix spike and duplicates, surrogate recoveries, spiking concentrations, and laboratory quality control sample. In addition, the laboratory reporting sheets are to include: date sampled, date received, date extracted and method employed (where applicable), date analyzed, and reported.

4. The final locations of the soil test borings will be verified onsite the day what drilling commences.

Please, contact our office at least seven days prior to commencement of work, so that we may schedule a representative to be present. Four copies of your final report containing the results of the subsurface investigation is due to the Regional Board by January 15, 1992.

If you have any questions concerning this matter, please contact me at (213) 266-7539 or Ann Zaszkodna at (213) 266-7585.

David A Bacharowski

DAVID A BACHAROWSKI
Environmental Specialist IV

cc: Mr. Chris Stubbs, U.S. EPA Region IX
Mr. Bruce Wojcik, Los Angeles County, Forester and Fire Warden
Mr. John Hubbard, Winslowe Environmental Corporation
Mr. George F. Ulfers, Aton Laboratories
Mr. Richard Spinner, SDOHS-Elap

DIVERSIFIED ANALYTICAL SERVICES
Environmental Laboratory

L A B O R A T O R Y R E P O R T

Reference: Winslow Environmental Corporation - Lado Manufacturing Company Clarifier Sample Taken 2/10/92

Test Methods: EPA Method 8010 for Volatile Halocarbons
EPA Method 8020 for Volatile Aromatics
EPA Method 6010 for Heavy Metals
Modified EPA Method 8015 for Gasoline
EPA Method 418.1 for Total Recoverable Petroleum Hydrocarbons (TRPH)
EPA Method 9040 for pH
EPA Method 1010 for Flash Point

Date Received: February 14, 1992
Date Analyzed: February 14 - 18, 1992
Date Reported: February 18, 1992

Note: See attached document for further information.

A N A L Y T I C A L R E S U L T S
All Results in ppm (mg/L) Unless Otherwise Specified

Constituent	Sample
Chloroethane	<0.01
Trichlorofluoromethane	<0.01
1,1-Dichloroethylene	<0.01
Methylene Chloride	<0.01
trans-1,2-Dichloroethylene	<0.01
1,1-Dichloroethane	<0.01
Chloroform	<0.01
1,1,1-Trichloroethane	<0.01
Carbon Tetrachloride	<0.01
1,2-Dichloroethane	<0.01
Trichloroethylene	<0.01
1,2-Dichloropropane	<0.01
Bromodichloromethane	<0.01
2-Chloroethyl Vinyl Ether	<0.01
trans-1,3-Dichloropropene	<0.01
cis-1,3-Dichloropropene	<0.01
1,1,2-Trichloroethane	<0.01
Tetrachloroethylene	<0.01
Dibromochloromethane	<0.01
Chlorobenzene	<0.01
Bromoform	<0.01
1,1,2,2-Tetrachloroethane	<0.01
1,3-Dichlorobenzene	<0.01
1,4-Dichlorobenzene	<0.01
1,2-Dichlorobenzene	<0.01
Benzene	<0.01
Toluene	<0.01
Chlorobenzene	<0.01
Ethylbenzene	<0.01

Results continued on next page.

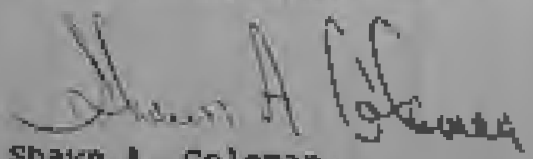
3732 W. Century Blvd., Unit 3, Inglewood, CA 90303 • (310) 671-5346 • Fax (310) 671-7214

Constituent	Sample
para+meta-Xylene	<0.01
ortho-Xylene	<0.01
1,3-Dichlorobenzene	<0.01
1,4-Dichlorobenzene	<0.01
1,2-Dichlorobenzene	<0.01
Antimony	<5.0
Arsenic	<1.0
Barium	1.5
Beryllium	<0.5
Cadmium	<0.5
Chromium (total)	8.0
Cobalt	<0.5
Copper	28.1
Lead	<1.0
Mercury	<0.5
Molybdenum	<5.0
Nickel	1.1
Selenium	<1.0
Silver	<0.5
Thallium	<5.0
Vanadium	<1.0
Zinc	29.2
Gasoline	<0.5
TRPH	153
pH, pH Units	9.7
Flash Point, deg F	>150

< = less than; the number following this sign is the detection limit for that specific constituent.
> = greater than; the number following this sign is the upper reporting limit for that specific constituent.

Diversified Analytical Services currently maintains Certificate Number 1201 under the California State Department of Health Services Environmental Laboratory Accreditation Program.

Respectfully Submitted,



Shawn A. Coleman,
Laboratory Director/
Analytical Chemist

DIVERSIFIED ANALYTICAL SERVICES
Environmental Laboratory

LABORATORY REPORT

Reference: Winslowe Environmental Corporation - Lado Manufacturing
Soil Samples Taken 3/3/92

Test Methods: EPA Method 8010 for Volatile Halocarbons
EPA Method 8020 for Volatile Aromatics
EPA Method 6010 for Heavy Metals
EPA Method 418.1 for Total Recoverable Petroleum Hydrocarbons (TRPH)

Date Received: March 3, 1992
Date Analyzed: March 4 - 12, 1992
Date Reported: March 16, 1992

Note: See attached document for further information.

ANALYTICAL RESULTS
All Results in ppb (ug/kg) Unless Otherwise Specified

Constituent	B1-2	B1-5	B1-8	B2-2	B2-5	B2-8
Chloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichlorofluoromethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methylene Chloride	<5.0	<5.0	<5.0	35.1	21.6	20.6
trans-1,2-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroform	342	48.9	<5.0	<5.0	<5.0	<5.0
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	66.9	32.9	30.9
Carbon Tetrachloride	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichloroethylene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromodichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Chloroethyl Vinyl Ether	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,3-Dichloropropene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
cis-1,3-Dichloropropene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethylene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromochloromethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromoform	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,3-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,4-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Benzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Toluene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Ethylbenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
para+meta-Xylene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ortho-Xylene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,3-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,4-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Results continued on next page.

732 W. Century Blvd., Unit 3, Inglewood, CA 90303 • (310) 671-5346 • Fax (310) 671-7216

DIVERSIFIED ANALYTICAL SERVICES
Environmental Laboratory

QUALITY ASSURANCE REPORT

The data below represents samples analyzed March 4 through March 15, 1992. This includes samples received from Winslowe Environmental for the Lado Manufacturing Project. These soil samples were taken 3/3/92. All results are in mg/kg (ppm).

Method	Analyte	Sample Type	Expected Value	Value Obtained	Percent Recovery
8010	Chlorobenz	Blank	ND	ND	N/A
8010	Chlorobenz	Spike	0.050	0.039	78.0
8010	Chlorobenz	Spike Dup	0.050	0.040	80.0
8010	1,3-Diclbz	Blank	ND	ND	N/A
8010	1,3-Diclbz	Spike	0.050	0.037	74.0
8010	1,3-Diclbz	Spike Dup	0.050	0.044	88.0
8010	1,4-Diclbz	Blank	ND	ND	N/A
8010	1,4-Diclbz	Spike	0.050	0.040	80.0
8010	1,4-Diclbz	Spike Dup	0.050	0.045	90.0
8010	1,2-Diclbz	Blank	ND	ND	N/A
8010	1,2-Diclbz	Spike	0.050	0.038	76.0
8010	1,2-Diclbz	Spike Dup	0.050	0.041	82.0
8020	Toluene	Blank	ND	ND	N/A
8020	Toluene	Spike	0.050	0.048	96.0
8020	Toluene	Spike Dup	0.050	0.049	98.0
8020	Chlorobenz	Blank	ND	ND	N/A
8020	Chlorobenz	Spike	0.050	0.048	96.0
8020	Chlorobenz	Spike Dup	0.050	0.049	98.0
8020	Ethylbenz	Blank	ND	ND	N/A
8020	Ethylbenz	Spike	0.050	0.050	100.0
8020	Ethylbenz	Spike Dup	0.050	0.051	102.0
6010	Arsenic	Blank	ND	ND	N/A
6010	Arsenic	Spike	0.50	0.49	98.0
6010	Arsenic	Spike Dup	0.50	0.54	108.0
6010	Zinc	Blank	ND	ND	N/A
6010	Zinc	Spike	0.50	0.46	92.0
6010	Zinc	Spike Dup	0.50	0.55	110.0
6010	Lead	Blank	ND	ND	N/A
6010	Lead	Spike	0.50	0.56	112.0
6010	Lead	Spike Dup	0.50	0.53	106.0
6010	Chromium	Blank	ND	ND	N/A
6010	Chromium	Spike	0.50	0.53	106.0
6010	Chromium	Spike Dup	0.50	0.46	92.0
418.1	TRPH	Blank	ND	ND	N/A
418.1	TRPH	Spike	100.0	113.1	113.1
418.1	TRPH	Spike Dup	100.0	103.1	103.1

The Percent Recoveries for the Matrix Spikes and Matrix Spike Duplicates are all within the acceptable range of 65% - 135%. The Relative Percent Differences between the duplicates of 8010 Chlorobenzene (2.5%), 1,3-Dichlorobenzene (17.3%), 1,4-Dichlorobenzene (11.8%), 1,2-Dichlorobenzene (7.6%), Toluene (2.1%), 8020 Chlorobenzene (2.1%), Ethylbenzene (2.0%), Arsenic (9.6%), Zinc (17.8%), Lead (5.5%), Chromium (14.1%), and TRPH (9.2%) are all less than the prescribed maximum of 25%.

Report continued on next page.

3732 W Century Blvd , Unit 3, Inglewood, CA 90303 • (310) 671-5346 • Fax: (310) 671-7216

DATE 02/10/92
TIME _____ (A.M.) P.M.
DIRECTION: N NNE NE ENE
(1) E ESE SE SSE
S SSW SW WSW
W WNW NW NNW
WEATHER heavy rain
SITE Lado Mfg
FILE NO. III 2380
PHOTOGRAPHED BY:
A2
SAMPLE ID#:(If applicable)

DESCRIPTION: Industrial Waste Clasifier [Three Stages]

DATE 02/10/92
TIME _____ (A.M.) P.M.
DIRECTION: N NNE NE ENE
(2) E ESE SE SSE
S SSW SW WSW
W WNW NW NNW
WEATHER heavy rain
SITE Lado Mfg
FILE NO III 2381
PHOTOGRAPHED BY:
A2
SAMPLE ID#:(If applicable)

DESCRIPTION: Industrial Waste Clasifier [Influent pipe]

STATE OF CALIFORNIA
PETE WILSON, Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION
107 CENTRE PLAZA DRIVE
MONTEREY PARK, CA 91754-3156
(213) 266-7500

RECORD OF COMMUNICATION	☒ Phone Call ☐ Conference ☐ Other (specify)	☐ Discussion ☐ Field Trip
To: File/DAB	From: AZ	Date: March 6, 92
Subject: JWC, Lado Manufacturing		File NO: 111.2382

SUMMARY OF COMMUNICATION:

Mr. John Hubbard called me to notify that on March 3, 1992 after I left this site (Lado Manufacturing) he was asked to take soil samples from 8 feet below the ground [Influent and effluent]. A total of 6 soil samples were collected (3 from each boring location) on that day, and delivered to the laboratory.

STATE OF CALIFORNIA GEORGE DEUKMEJIAN, Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION

101 Centre Plaza Drive
Monterey Park, California 91754-2156
(213) 266-7500

RECORD OF COMMUNICATION	☐ Phone Call ☐ Conference ☐ Discussion ☐ Other (specify) ☒ Field Tri	
TO: File / DAB	FROM: A2	DATE: March 3, 1992
SUBJECT: JWC Lado Manufacturing Company, Inc.		FILE NO: 111 2382

SUMMARY OF COMMUNICATION:

Field work, 2 soil test borings was scheduled on March 3, 1992.

Influent and effluent pipe, at the centerline, the base of the clarifier ~~and~~, five feet and ten feet below the base. I met on the site Mr. Larsen, operator and Mr. John Hubbard Winslow Environmental. Mr. Hubbard notified me that he did not have extension to the hand auger to take a soil sample at ten feet below the base. I called Mr. D. Bacharowski to verify that ten feet borings can be defer to the later time after reviewing all analytical data. In addition, this site never used any solvent. An exception was made on the field to defer 10 feet borings. During my site visit soil samples were taken from: centerline, the base of the clarifier on the ~~if~~ influent and effluent sides. Below 5 feet Mr Hubbard noticed some difficulties (rocks). ~~and was trying to~~

STATE OF CALIFORNIA — GEORGE DEUKMEJIAN, Gover

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION

101 Centre Plaza Drive
Monterey Park, California 91754-2156
(213) 266-7500

RECORD OF COMMUNICATION	☐ Phone Call ☐ Conference ☐ Discussion ☐ Other (specify) ☒ Field Trip	
TO: File / DAB	FROM: A2	DATE: ~~January~~ February 10, 1992
SUBJECT: Industrial Waste Clarifier Lado Manufacturing Company Inc		FILE NO: 111.2382

SUMMARY OF COMMUNICATION:

On ~~January~~ February 10, 1992 I inspected industrial water clarifier (three stages). I met on the site Mr Brian Larsen, Operator. Industrial waste clarifier was ~~not~~ pumped out approximately at 9:30 AM and a sludge sample was taken for analysis.
I arrived at the site at 11:30 AM and due to very heavy storm, WC was filled with rain water, approx 2/3 full in capacity. According to Mr Larsen, clarifier was also steam cleaned. I observed that influent pipe appears to be corroded, no batches were noticed. visibled. Effluent pipe was under a rain water at that time. Photographs were taken and the soil sample will be scheduled next week.

A

WE CORP
WINSLOWE ENVIRONMENTAL

HZ P91-0274

III 2382

PREPARED FOR: LADO MANUFACTURING COMPANY
11400 LUDDINGTON STREET #A
SUN VALLEY, CA 91352

WORKPLAN FOR PRELIMINARY SUBSURFACE INVESTIGATION AT LADO MANUFACTURING COMPANY FACILITY 11400 LUDDINGTON STREET, SUN VALLEY, CALIFORNIA

PREPARED BY: WINSLOWE ENVIRONMENTAL CORPORATION
909 ELECTRIC AVENUE, SUITE 202
SEAL BEACH, CA 90740

OCTOBER 28, 1991

WRITTEN BY:

JOHN HUBBARD
HYDROGEOLOGIST

REVIEWED BY:

ROBERT GAAL
REG GEOL 3039

2.0 SITE DESCRIPTION/BACKGROUND INFORMATION

The subject property is located in a dominantly industrial/manufacturing area of Sun Valley. Bordering the subject property to the north is Hollywood Rental Company; a company that rents out generators for the entertainment industry. Vehicle maintenance was observed at this facility during the site visit. Adjacent to and south of the property is Espana Imports, an import company of religious objects. East of the subject property is Wallace Engineering, a small sheet metal shop and west of the property is Laddington Avenue (Plate 2).

The subject property has a relatively short and simple history. The site was developed in June of 1979 with the construction of the block building, parking lot and four stage clarifier. According to some local business men, previous to development the site was a vacant lot. Lado Manufacturing has been the only occupant since development. The owner of the property is Mildred Larsen (Telephone: (818) 768-2209).

The subject property as portrayed in Plate 2 consists of a block building, a parking lot and a four stage clarifier.

Processes ongoing at the subject property include aluminum cleaning and resistance spot welding. The aluminum cleaning process involves chemical baths of caustic soda, acid, borax soap and water (Plate 2). The aluminum parts are rinsed in a spray rinse bath and water bath before being immersed in the acid or caustic. The following comprise the procedure to wash a typical aluminum part:

* Part is dipped in Borax soap (Tank A);
* Part is dipped in spray rinse and static rinse (Tanks C & D);
* Part is dipped in caustic soda wash (Tank B);
* Part is dipped in spray rinse and static rinse (Tanks C & D);
* Part is dipped in acid wash (Tank E);
* Part is washed in spray rinse and static rinse (Tanks C & D).

Caustic, borax soap and acid is added to the appropriate vats as needed. As such, solutions from these vats are not treated by the clarifier and discharged into the sanitary sewer. Rather, the waste stream treated by the clarifier are from the spray rinse and the water bath (Plate 2).

The caustic soda, acid and borax soap is stored in the northwest corner of the facility (Plate 2). The caustic soda and acid are the only hazardous substances stored and utilized at the facility. Chlorinated solvents are not utilized at the site. Material Safety Data Sheets for the caustic soda, acid and borax soap are presented in Appendix A.

Although no unauthorized discharges of hazardous substances have been documented for this facility, the waste stream solutions are of elevated pH (eg. 9-10). As such, the possibility exists that the waste stream is chemically degrading the concrete clarifier.

No previous environmental studies or clean-ups have taken place at the site. The Los Angeles County Department of Public Works, the Los Angeles County Health Department, the California State Department of Health Services and the California State South Coast Air Quality Management District do not maintain files for the subject property.

INSPECTION OF CLARIFIER

The four stage clarifier was installed in June of 1979 and has since been utilized exclusively by Lado Manufacturing. To determine the integrity of the clarifier, the clarifier will be evacuated, steam cleaned and visually inspected for any evidence of cracks and/or leaks. Prior to being pumped out, a sludge sample from the first compartment of the clarifier will be collected and submitted to Aton Laboratories to be analyzed for pH, Volatile Organic Compounds/Aromatic Hydrocarbons (EPA Methods 8010/8020), Total Oil and Grease/Petroleum Hydrocarbons (EPA Method 413.1/418.1), CAM Metals and flashpoint to determine if the sludge must be managed as a hazardous waste. Liquids in the clarifier will be sampled and analyzed by the same suite of analyses.

The contents of the clarifier will be removed with a vacuum truck. The destination of the contents will be determined upon receipt of the laboratory analysis.

To date, a sludge sample has not been collected and analyzed from the clarifier. Wastewater analysis from the last two years is presented in Appendix C. The laboratory analyses from 11/20/90 reveals trace amounts of some chlorinated hydrocarbon species, including:

*	1,1,2,2 Tetrachloroethane	14.32 ug/L
*	1,1,1 Trichloroethane	10.44 ug/L
*	Bromoform	24.04 ug/L
*	1,1 Dichloroethane	61.55 ug/L

[illegible] permit is included in Appendix D. Piping [illegible] clarifier and the sanitary sewer is portrayed

SEND COMPLETED FORM TO:
Industrial Waste Control
Administration Office M/S 541A
4600 Colorado Boulevard
Los Angeles, CA 90039

CITY OF LOS ANGELES - FORM A
EPA SEMI-ANNUAL COMPLIANCE REPORT FOR
NON-INTEGRATED JOB SHOP ELECTROPLATERS OR I
WITH AN AVERAGE FLOW LESS THAN 10,000 GPD
(40CFR PART 413 - ELECTROPLATING CATEGORY)

Report Period:
Jan.-Jun.1989 or Jul.-Dec.19__

Ledo Manufacturing Company
Company Name

(818)768-2209
Telephone Number

11400 Luddington St., Bldg. A, Sun Valley, 9135
Company Address

Ensotech, Inc.
Laboratory Name

6/1/89
Sampling Date

Ind. Waste Permit No.

last stage of clarifier
Location Sample Taken

150
Avg. Flow, gpd

5/25/89
Prenotification Dat

- FAILURE TO PROVIDE ANY INFORMATION MAY CAUSE REJECTION OF THIS REPORT.
- FOR POLLUTANTS NOT USED IN YOUR WORK ACTIVITY, STATE " NOT USED".

Pollutant (a)	Discharge Standard 1-day max	Company Lab Results	Violation (yes/no)	Pollutant (a)	Discharge Standard 1-day max	Company Lab Results	Violatio (yes/no)
Arsenic	3.0	<0.1	no ✓	Nickel	12.0	<0.1	no ✓
Cadmium	1.2	<0.03	no ✓	pH range	5.5-11	9.9	no ✓
Copper	15.0	0.68	no ✓	Silver	5.0	<0.03	no ✓
Cyanide (total)	10.0	<0.05	no ✓	Chromium (total)	10.0	<0.06	no ✓
Cyanide (free)	2.0	<0.05	no ✓	Zinc	25.0	<0.03	no ✓
Dissolved Sulfides	0.1	<0.1	no	Total Toxic Organics	4.57	not used	no ✓
Lead	0.6	<0.1	no ✓	Dispersed Oil&Grease	600.0		

(a) - All pollutants are measured in mg/l except pH which has no units.

IF NOT IN COMPLIANCE, ATTACH A STATEMENT OF REASONS FOR NON-COMPLIANCE AND ACTIONS TAKEN TO CORRECT THE PROBLEM.

I certify that our company IS XXX, IS NOT ___ consistently in compliance with EPA Pretreatment standards for the Electroplating and Metal Finishing industries and the City of Los Angeles effluent limits.

I have personally examined and am familiar with the information submitted in this document and attachments. Based upon my inquiry of those individuals responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate and complete. I am aware that there significant penalties for submitting false information including the possibi of fine and imprisonment as directed by 40 CFR 403.12 (K) and L.A.M.C 44.30(

[signature]
AUTHORIZED REPRESENTATIVE SIGNATURE

PRINTED NAME

TITLE

AYON LABORATORIES

CUSTOMER: LADO MANUFACTURING

S\O: 9049

SAMPLE I.D.1 9049:3

SAMPLE DATE: 11/27/99 - 11/28/99

ATTENTION: MR. BRYAN LARSEN

SAMPLE DESCRIPTION:
LADO MANUFACTURING 24
HOUR WATER SAMPLE

SUBJECT: WASTEWATER ANALYSIS (BREAKDOWN OF TTO)

PROTOCOL:

1. SAMPLE WAS TAKEN BY AYON LABORATORIES.
2. SAMPLE WAS TESTED PER EPA METHOD 601/602.
   EXTRACTED BY EPA 5030 - PURGE AND TRAP.

9345 MELVIN AVE #7 • NORTHRIDGE CALIFORNIA 91324 • (818) 993 5775

ATON LABORATORIES

CONSTITUENT ANALYZED	DETECTION LIMIT (ug/L)	CONCENTRATION (ug/L)
ACETONE	0.3	N/D
BENZENE	0.2	N/D
BROMODICHLOROMETHANE	0.10	4.96
BROMOFORM	0.20	24.04
BROMOMETHANE	1.0	N/D
2-BUTANONE	10.0	N/D
CARBON DISULFIDE	1.0	N/D
CARBON TETRACHLORIDE	0.12	N/D
CHLOROBENZENE	0.24	2.32
CHLOROETHANE	0.52	N/D
2-CHLOROETHYLVINYLETHER	0.13	N/D
CHLOROFORM	0.05	N/D
CHLOROMETHANE	0.08	N/D
DIBROMOCHLOROMETHANE	0.09	N/D
1,2-DICHCHLOROBENZENE	0.15	N/D
1,3-DICHCHLOROBENZENE	0.32	N/D
1,4-DICHCHLOROBENZENE	0.24	N/D
1,1-DICHLOROETHANE	0.07	N/D
1,2-DICHLOROETHANE	0.03	N/D
1,1-DICHLOROETHENE	0.2	61.55

LABORATORY DIRECTOR
GEORGE F. ULFERS

ATON LABORATORIES

CONSTITUENT ANALYZED	DETECTION LIMIT (ug/L.)	CONCENTRATION (ug/L.)
1,2-DICHLOROETHENE	1.0	N/D
1,2-DICHLOROPROPANE	0.04	N/D
c-1,3-DICHLOROPROPANE	1.0	N/D
t-1,3-DICHLOROPROPANE	1.0	N/D
ETHYLBENZENE	0.2	N/D
2-HEXANONE	5.0	N/D
METHYL ISOBUTYL KETONE	5.0	N/D
DICHLOROMETHANE	0.2	0.14
STYRENE	1.0	N/D
1,1,2,2-TETRACHLOROETHANE	0.03	24,33
TETRACHLOROETHANE	1.0	2.13
TOLUENE	0.2	N/D
1,1,1-TRICHLOROETHANE	0.03	10.44
1,1,2-TRICHLOROETHANE	0.02	N/D
TRICHLOROETHENE	0.2	N/D
TRICHLOROFLUOROMETHANE	1.0	N/D
TRICHLOROTRIFLUOROETHANE	1.0	N/D
VINYL ACETATE	5.0	N/D
VINYL CHLORIDE	0.18	N/D
XYLENES	1.0	N/D
TOTAL TTO		0.11 PPM.

LABORATORY DIRECTOR

9346 MELVIN AVE #7 • NORTHRIDGE CALIFORNIA 1324 • (818) 993-5174

Matthew Rodriquez
Secretary for
Environmental Protection

Department of Toxic Substances Control

Deborah O. Raphael, Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Edmund G. Brown Jr.
Governor

EPA ID PROFILE

ID Number: CAD048472385 **Name :** LADD MANUFACTURING COMPANY INC

Status: INACTIVE **Inactive Date:** 06/30/1998 **Record Entered:** 06/29/1990 **Last Updated:** 04/27/1999

County: LOS ANGELES **NAICS:** **SIC:**

	Name	Address	City	State	Zip Code	Phone
Location	LADD MANUFACTURING COMPANY INC	11400 LUDDINGTON ST UNIT A	SUN VALLEY	CA	913520000	
Mailing		11400 LUDDINGTON ST UNIT A	SUN VALLEY	CA	913523102	
Owner	--	--	--	99	--	0000000000
Operator/ Contact	--	INACT PER 98VQ FINAL NOTICE - BATCH 4/27	--	99	--	--

Based ONLY upon ID Number **CAD048472385**

Calif. Manifests ?	Non Calif. Manifests ?	Transporter Registration ?
NO	NO	NO

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

LADO MFG. CO. (SL603799065) - (MAP)

11400 LUDDINGTON ST. #A
NORTH HOLLYWOOD, CA 91352
LOS ANGELES COUNTY
CLEANUP PROGRAM SITE

CLEANUP OVERSIGHT AGENCIES
LOS ANGELES RWQCB (REGION 4) *(LEAD) - CASE #: 111.2382*
CASEWORKER: *JEFFREY HU*

Regulatory Profile — PRINTABLE CASE SUMMARY

CLEANUP STATUS - DEFINITIONS
OPEN - SITE ASSESSMENT AS OF 12/30/1992 - CLEANUP STATUS HISTORY

POTENTIAL CONTAMINANTS OF CONCERN
VOLATILE ORGANIC COMPOUNDS

POTENTIAL MEDIA AFFECTED
AQUIFER USED FOR DRINKING WATER SUPPLY

FILE LOCATION

Site History
No site history available

Cleanup Action Report

ACTION TYPE	BEGIN DATE	END DATE	PHASE	VOL TREATED	CONTAMINANT MASS REMOVED	DESCRIPTION
UNKNOWN	8/13/1992	8/13/1992		0		DISCONTINUED CLEANING OPERATION AIR COMPRESSOR AREA (ADJACENT TO IWC) WITH SOLVENTS. (TCA, CFM, MCL)

Regulatory Activities — * Indicates a revised due date

ACTION TYPE	ACTION	ACTION DATE	RECEIVED / ISSUE DATE
ENFORCEMENT/ORDERS	Staff Letter	11/9/2000	11/9/2000
CLEANUP ACTION		8/13/1992	
LEAK ACTION	Leak Reported	1/2/1965	

PUBLIC PARTICIPATION

CATEGORY
CATEGORY 1 - INFO

COMMUNITY INVOLVEMENT DOCUMENTS

NO COMMUNITY INVOLVEMENT DOCUMENTS HAVE BEEN UPLOADED

Copyright © 2011 State of California

0.109375 seconds

RETURN THIS SECTION

CITY OF LOS ANGELES
DEPARTMENT OF FIRE
HAZARDOUS MATERIALS SECTION

BUSINESS PLAN INVOICE

TO: LADO MANUFACTURING CO INC

INVOICE DATE	11/04/1990
INVOICE NUMBER	1990-002571-7
BUS. PLAN NUMBER	001206-9
PAYMENT DUE BY	12/19/1990
AMOUNT DUE	$ 315.00

1. WRITE BUSINESS PLAN NUMBER ON CHECK.
2. MAKE CHECK PAYABLE TO: CITY OF L.A. FIRE DEPT.
3. ENCLOSE THIS STUB AND CHECK IN RETURN ENVELOPE.
4. FOR QUESTIONS REGARDING THIS INVOICE CONTACT THE HAZARDOUS MATERIALS SECTION MONDAY THROUGH FRIDAY 7:30 A.M. - 4:30 P.M. AT (213) 485-7465.

KEEP THIS SECTION

CHEMICAL NAME	HAZARD * CLASS	RISK * FACTOR	X QTY * RANGE	= RISK UNITS
SODIUM HYDROXIDE BASE CAUSTI	2A	2	1	2
SODIUM HYDROSULFIDE	3B/3C	3	1	3

FEE FOR A TOTAL OF RISK UNITS	$ 305.00
EMPLOYEE SURCHARGE	10.00
TOTAL DUE BY (50% PENALTY IF PAYMENT IS RECEIVED LATE)	$ 315.00

INV. # 1990-002571-7 | INV. DATE 11/04/1990 | BUS. PLAN # 001206-9

SITE ADDRESS
11400
LOS ANGELES CA 91352

BILL ADDRESS
LADO MANUFACTURING CO INC
11400 LUDDINGTON ST
UNIT A
SUN VALLEY CA 91352

* TABLES ON REVERSE

DATE 3-23-06 NEW USER ☐

INSPECTOR'S NAME KURIMOTO INSPECTOR NO. 449

BUSINESS NO. 1208

BUSINESS NAME LADO Mfg

8, 12, 18, 24, 28, 41, 42, 44, 50, 52, 55, 56
70, 74, 75, 76, 77, 81, 82, 87, 91, 96, 98
103, 104, 107

ACTION: *(Automatically entered by Data Entry)*

- ☐ (EJ) Disclosure Amendment or Additional Applications Given or Sent
- ☐ (BI) Notification of Business Plan Requirements
- ☒ (DA) Approval of Business Plan *(Date)* _____
- ☒ (VA) Inventory Verified By On-Site Inspection *(Date)* _____ INACTIVATE
- ☐ (EG) Warning Notice for Failure to Disclose
- ☐ (BG) Warning Notice for Failure to Submit Business Plan
- ☐ Medical Exemption Approved *(Signature)* _____

DATA ENTRY INSTRUCTIONS: *(Circle desired form to make instruction clear and check off appropriate boxes)*

- ☐ Enter Highlighted Changes on BP-1 / BP-8
- ☐ Enter Inventory On Amendment / Disclosure 3-21-06
- ☒ Inactivate Business *(Journal Entry Should Be Included)*
- ☐ Other Instructions: *(For example: Enter I Codes; Combine Businesses under one BP number)*

OCC. JURISDICTION HIRS HZMT ■IND ■INS ■PSU ■S&C CO See Reverse For Journal ☐

INSPECTOR TIMEKEEPING: I1 _____ I2 _____ I3 _____

K-5 (Emergency Information) _____ K-6 (Inventory) _____
K-7 (Business Plans) _____ K-8 (Site Map) _____
K-9 (Other Code Enforcement) _____ *(K-Codes are entered automatically)*

STATUS:	YES	NO
Business Plan Required	☐	☐
Government Agency	☐	☐
Cancel Certificate	☒	☐

Reason:
- ☐ Out of Business
- ☐ Moved Location
- ☒ No Hazardous Materials
- ☐ Change of Ownership
- ☐ Below Disclosure Level

704 DATA: Write out in linear format (i.e., 2-3-2 COR)

_____

Area Covered by Placard:

_____

_____

Date Entered: 3/30/06

JOURNAL: (Document who you contacted, inspection notes, and any other relevant information)

- [ ] Verified Inventory
- [ ] Approved Business Plan
- [x] Inactivate Business
- [ ] Approved Disclosure Application
- [ ] Approved Amendment
- [ ] Left Disclosure Information
- [ ] Left Business Plan Information

Field Verification/Spoke With: Brian Larsen

NEW USER

Primary Situs Address: _____

Mailing Address: _____

Business Name: _____ Phone No.: ( ) _____

Business Owner Name: _____ Phone No.: ( ) _____

On-Site Manager Name: _____ Phone No.: ( ) _____

Property Situs Address: _____ Phone No.: ( ) _____

Secondary Situs Address: _____

Property Owner Address: _____

Business No.: Temp. Permit No.: F.S DIST.:

Data Entry Name: Add to File Date:

City of LOS ANGELES
CALIFORNIA

LOS ANGELES FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3680

BUSINESS INFORMATION

Printed on: 03/07/2006

INSTRUCTIONS : Please complete and sign this form; your signature indicates that the information, as supplied, is accurate.

Business Number: **FA0001208** This is your current business plan number. This number must appear on all business plan forms!
Business Name : **LADO MANUFACTURING CO INC**

Address Where Business is Conducted : 11400 LUDDINGTON ST,
SUN VALLEY, CA 91352
Mailing Address : 11400 LUDDINGTON ST UN A
SUN VALLEY, CA 91352

Other On-Site Addresses:

11400 LUDDINGTON ST

Briefly describe the nature of the hazardous materials operations:

Number of Employees: ~~6~~ 7
SIC Code : 3471

Dun & Bradstreet Number:

CONTACT	WORK #	24 HOUR #	PAGER #	OTHER #
Owner Name: LARSEN, ~~MILDRED~~ E BRIAN	(818) 768-2209			
On-Site Manager:				
Emergency Contact: BRIAN LARSEN	(818) 768-2209			
2nd Emergency Contact:				

Signature of Legal Business Owner/Authorized Representative **Title** **Date**

Business Plan has been reviewed and approved: _____

Office Use Only Insp. ID: _____ Date: _____ D/E ID: _____ Date: _____ TS: _____

City of LOS ANGELES
CALIFORNIA

LOS ANGELES
FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3680

Hazardous Materials System
BP-8: Computer Listing of Inventory Submitted
Inspection Responsibility: VIU

Business No : FA0001208
First In : 077
Block # :

Printed on: 3/7/2006

Business Name : LADO MANUFACTURING CO INC
Business Owner : LARSEN, MILDRED E
On-Site Manager :
Emergency Contact : BRIAN LARSEN
Alt Emergency Contact:

Business Address: 11400 LUDDINGTON ST,
SUN VALLEY, CA 91352
Phone # :
Phone # : (818) 768-2209 Ext:
Phone # : Ext:

Last Inspection Date: 04/08/2003
SIC Code : 3471
# of Employees :
Sq. Ft. of Facility : N/A
Permit Date : 12/15/2005

LOCATION:

NFPA-704: N/A

Products: 3

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
AC-20	PURE	**200.00 GALLONS**	LIQUID	
Hazard Class:		*Storage Type:* ABOVEGROUND TANK		
Ingredients	*Max %*	*CAS #*		
BORAX CLEANER		1303964		
WATER				

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
ALUMINUM ETCH #3	PURE	**200.00 GALLONS**	LIQUID	
Hazard Class:		*Storage Type:* ABOVEGROUND TANK		
Ingredients	*Max %*	*CAS #*		
SODIUM HYDROXIDE CAUSTIC SODA		1310732		
WATER				

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
SODIUM HYDROSULFIDE	PURE	**200.00 GALLONS**	LIQUID	
Hazard Class:		*Storage Type:* ABOVEGROUND TANK		
Ingredients	*Max %*	*CAS #*		
SODIUM NITRATE		7631994		
WATER		7732185		

04/08/2003 My signature indicates that I have verified and agreed with the types and quantities of hazadous materials at this address

INSP SIG: _____ INSP. DATE: _____ BUS. REP. SIG: _____ DATE: 3-22-06 DE. SIG.: _____ DATE _____

FACITY ID #: 1208.

2004

and

Older

DATE 4·10·03 NEW USER ☐

INSPECTOR'S NAME KURIMOTO INSPECTOR NO. 449

BUSINESS NO. 1208 FS 8 18 19 23 24 28 37 41 66

BUSINESS NAME LAMO MFG 70 71 74 75 76 77 81 82 87 91

ACTION: *(Automatically entered by Data Entry)* 96 98 103 104 107

- ☐ (EJ) Disclosure Amendment or Additional Applications Given or Sent
- ☐ (BI) Notification of Business Plan Requirements
- ☒ (DA) Approval of Business Plan *(Date)* 4·10·03
- ☒ (VA) Inventory Verified By On-Site Inspection *(Date)*
- ☐ (EG) Warning Notice for Failure to Disclose
- ☐ (BG) Warning Notice for Failure to Submit Business Plan
- ☐ Medical Exemption Approved *(Signature)*

DATA ENTRY INSTRUCTIONS: *(Circle desired form to make instruction clear and check off appropriate boxes)*

- ☐ Enter Highlighted Changes on BP-1 / BP-8
- ☐ Enter Inventory On Amendment / Disclosure
- ☐ Inactivate Business *(Journal Entry Should Be Included)*
- ☐ Other Instructions: *(For example: Enter I Codes; Combine Businesses under one BP number)*

OCC. JURISDICTION HIRS HZMT VIND VINS VPSU VS&C (CO) See Reverse For Journal ☐

INSPECTOR TIMEKEEPING: I1 _____ I2 _____ I3 _____

K-5 (Emergency Information) _____ K-6 (Inventory) _____

K-7 (Business Plans) _____ K-8 (Site Map) _____

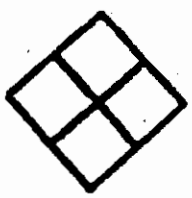
K-9 (Other Code Enforcement) _____ *(K-Codes are entered automatically)*

STATUS:	YES	NO
Business Plan Required	☐	☒
Government Agency	☐	☒
Cancel Certificate	☐	☒

Reason:
- ☐ Out of Business
- ☐ Moved Location
- ☐ No Hazardous Materials
- ☐ Change of Ownership
- ☐ Below Disclosure Level

704 DATA: Write out in linear format (i.e., 2-3-2 COR)

_____



Area Covered by Placard:

_____

_____

Data Entry Name: CP Data Entry Date: 4/16/03

☐ Verified Inventory

☐ Approved Business Plan

☐ Inactivate Business

☐ Approved Disclosure Application

☐ Approved Amendment

☐ Left Disclosure Information

☐ Left Business Plan Information

Field Verification/Spoke With: Brian Carsen / Hernandez Nova

NEW USER

Primary Situs Address: _____

_____

_____

Mailing Address: _____

_____

Business Name: _____ Phone No.: ( ) _____

Business Owner Name: _____ Phone No.: ( ) _____

~~On-Site Manager Name:~~ _____ ~~Phone No.:~~ ( ) _____

Property Situs Address: _____ Phone No.: ( ) _____

_____

Secondary Situs Address: _____

_____

_____

Property Owner Address: _____

_____

Business No.: Temp. Permit No.: F.S DIST.:

Data Entry Name: Add to File Date:

CITY OF LOS ANGELES
CALIFORNIA

Business Information

DEPARTMENT OF FIRE
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 485-8080

Printed on: 03/25/2003

INSTRUCTIONS: Please complete and sign this form; your signature indicates that the information, as supplied, is accurate.

Business Number: 0001208 This is your current business plan number. This number must appear on all business plan forms!

Business Name: LADO MANUFACTURING CO INC

Address Where Business is Conducted: 11400 LUDDINGTON ST
LOS ANGELES, 91352

Mailing Address: 11400 LUDDINGTON ST, UN # A
SUN VALLEY, CA 91352

Other On-Site Addresses:

Briefly describe the nature of the hazardous materials operations: _____

Number of Employees: 2

Dun & Bradstreet Number: - -

SIC Code: 3471

CONTACT	WORK #	24 HOUR #	PAGER #
Owner Name: MILDRED C LARSEN	(818)768-2209	( ) -	( ) -
On-Site Manager: Brian Larsen (pres)	( ) - "	( ) -	( ) -
Emergency Contact: "	( ) - "	( ) - "	( ) -
2nd Emergency Contact:	( ) -	( ) -	( ) -

Signature of Legal Business Owner/Authorized Representative **Title** **Date**

Business Plan has been reviewed and approved: _____

Use Only Insp. ID: _____ Date: _____ D/E ID: _____ Date: _____ TS: _____

CITY OF LOS ANGELES
CALIFORNIA

DEPARTMENT OF FIRE
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 485-8080

Hazardous Materials System

BP-8: Computer Listing of Inventory Submitted

Inspection Responsibility: VIU

Business No: 0001208
First In: 077

Printed on: 03/25/2003

Business Name:	LADO MANUFACTURING CO INC	Business Address:	11400 LUDDINGTON ST	Last Inspection Date:	05/02/2000
Business Owner:	MILDRED LARSEN		LOS ANGELES, 91352	SIC Code:	3471
On-Site Manager:		Phone #:	( ) -	# of Employees:	7
Emergency Contact:		Phone #:	( ) -	Sq. Ft. of Facility:	4700
Alt Emerg Contact:		Phone #:	( ) -	Permit Date:	11/18/2002

Location:

NFPA-704: - -

Products: 3

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
ALIUMINUM ETCH #3	PURE	**200 GALLONS**	LIQUID	CHRONIC HEALTH

Hazard Class: CORROSIVE MATERIAL — *Storage Type:* ABOVEGROUND TANK

Ingredients	*Max %*	*CAS #*
SODIUM HYDROXIDE CAUSTIC SODA	0	0000001310732
WATER	0	

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
AC-20	PURE	**200 GALLONS**	LIQUID	CHRONIC HEALTH

Hazard Class: CORROSIVE MATERIAL — *Storage Type:* ABOVEGROUND TANK

Ingredients	*Max %*	*CAS #*
BORAX CLEANER	0	0000001303964
WATER	0	

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
SODIUM HYDROSULFIDE	PURE	**200 GALLONS**	LIQUID	ACUTE HEALTH

Hazard Class: OXIDIZERS — *Storage Type:* ABOVEGROUND TANK

Ingredients	*Max %*	*CAS #*
SODIUM NITRATE	0	0000007631994
WATER	0	0000007732185

My signature indicates that I have verified and agreed with the types and quantities of hazardous materials at this address

INSP SIG: _____ INSP DATE: _____ BUS. REP SIG: _____ DATE: _____ DE SIG: _____ DATE: _____

Total Pages: 1

CITY OF LOS ANGELES
CALIFORNIA

DEPARTMENT OF FIRE
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 485-8080

Hazardous Materials System

BP-8: Computer Listing of Inventory Submitted

Inspection Responsibility: VIU

Business No: 001208-9
First In: 077
BLK #0104

Printed on: 11/22/2002

Business Name:	LADO MANUFACTURING CO INC	Business Address:	11400 LUDDINGTON ST	Last Inspection Date:	05/02/2000
Business Owner:	MILDRED LARSEN		LOS ANGELES, 91352	SIC Code:	3471
On-Site Manager:		Phone #:	( ) 818-768-2209	# of Employees:	7
Emergency Contact:		Phone #:	( ) -	Sq. Ft. of Facility:	4700
Alt Emerg Contact:		Phone #:	( ) -	Permit Date:	11/18/2002

Location: **NFPA-704: - -** **Products: 3**

Chemical Name	*Haz Mat Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
ALIUMINUM ETCH #3	PURE	200 GALLONS	LIQUID	CHRONIC HEALTH

Hazard Class: CORROSIVE MATERIAL *Storage Type:* ABOVEGROUND

Ingredients	*Max %*	*CAS #*
SODIUM HYDROXIDE CAUSTIC SODA	0	
WATER	0	

Chemical Name	*Haz Mat Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
AC-20	PURE	200 GALLONS	LIQUID	CHRONIC HEALTH

Hazard Class: CORROSIVE MATERIAL *Storage Type:* ABOVEGROUND

Ingredients	*Max %*	*CAS #*
BORAX CLEANER	0	
WATER	0	

Chemical Name	*Haz Mat Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
SODIUM HYDROSULFIDE	PURE	200 GALLONS	LIQUID	ACUTE HEALTH

Hazard Class: OXIDIZERS *Storage Type:* ABOVEGROUND

Ingredients	*Max %*	*CAS #*
SODIUM NITRATE	0	0000007732185
WATER	0	0000007732185

My signature indicates that I have verified and agreed with the types and quantities of hazardous materials at this address

INSP SIG: _____ INSP DATE: 10/14/07 BUS. REP SIG: _____ DATE: 12/14/07 DE SIG: _____ DATE: _____

Total Pages: 74

CITY OF LOS ANGELES
CALIFORNIA

Business Information

DEPARTMENT OF FIRE
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 485-8080

Printed on: 04/16/2003

INSTRUCTIONS: Please complete and sign this form; your signature indicates that the information, as supplied, is accurate.

Business Number: 0001208 **This is your current business plan number. This number must appear on all business plan forms!**

Business Name: LADO MANUFACTURING CO INC

Address Where Business is Conducted: 11400 LUDDINGTON ST
LOS ANGELES, 91352

Mailing Address: 11400 LUDDINGTON ST, UN # A
SUN VALLEY, CA 91352

Other On-Site Addresses:

Briefly describe the nature of the hazardous materials operations: _____

Number of Employees: 2 **Dun & Bradstreet Number:** - -

SIC Code: 3471

CONTACT	WORK #	24 HOUR #	PAGER #
Owner Name: MILDRED C LARSEN	(818)768-2209	( ) -	( ) -
On-Site Manager: BRIAN LARSEN	(818)768-2209		) -
Emergency Contact: BRIAN LARSEN	(818)768-2209		) -
2nd Emergency Contact:	( ) -	( ) -	( ) -

****

Signature of Legal Business Owner/Authorized Representative **Title** **Date**

Business Plan has been reviewed and approved:_____

****

Office Use Only Insp. ID: _____ Date: _____ D/E ID: _____ Date: _____ TS: _____

CITY OF LOS ANGELES
CALIFORNIA

DEPARTMENT OF FIRE
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 485-8080

Hazardous Materials System

BP-8: Computer Listing of Inventory Submitted

Inspection Responsibility: VIU

Business No: 0001208
First In: 077

Printed on: 04/16/2003

Business Name:	LADO MANUFACTURING CO INC	Business Address:	11400 LUDDINGTON ST	Last Inspection Date:	04/08/2003
Business Owner:	MILDRED LARSEN		LOS ANGELES, 91352	SIC Code:	3471
On-Site Manager:	BRIAN LARSEN	Phone #:	(818)768-2209	# of Employees:	2
Emergency Contact:	BRIAN LARSEN	Phone #:	(818)768-2209	Sq. Ft. of Facility:	4700
Alt Emerg Contact:		Phone #:	( ) -	Permit Date:	11/18/2002

Location:

NFPA-704: - -

Products: 3

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
ALIUMINUM ETCH #3	PURE	**200 GALLONS**	LIQUID	CHRONIC HEALTH

Hazard Class: CORROSIVE MATERIAL

Storage Type: ABOVEGROUND TANK

Ingredients	Max %	CAS #
SODIUM HYDROXIDE CAUSTIC SODA	0	0000001310732
WATER	0	

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
AC-20	PURE	**200 GALLONS**	LIQUID	CHRONIC HEALTH

Hazard Class: CORROSIVE MATERIAL

Storage Type: ABOVEGROUND TANK

Ingredients	Max %	CAS #
BORAX CLEANER	0	0000001303964
WATER	0	

Chemical Name	HM Type	Max Quantity on Hand	State	Fed Haz Catg.
SODIUM HYDROSULFIDE	PURE	**200 GALLONS**	LIQUID	ACUTE HEALTH

Hazard Class: OXIDIZERS

Storage Type: ABOVEGROUND TANK

Ingredients	Max %	CAS #
SODIUM NITRATE	0	0000007631994
WATER	0	0000007732185

My signature indicates that I have verified and agreed with the types and quantities of hazardous materials at this address

INSP SIG: _____ INSP DATE: _____ BUS. REP SIG: _____ DATE: _____ DE SIG: _____ DATE: _____

Total Pages: 2

DATA ENTRY INSTRUCTION FORM (DEIF)

DATE 5/2/00 NEW USER ☐

INSPECTOR'S NAME SAMSON INSPECTOR NO. 424

BUSINESS NO. 1208-9 FS: 39 60 72 73 78 83 84 86 88 89

BUSINESS NAME LADO 11 90 93 97 99 100 102 105 106 108 109

ACTION: *(Automatically entered by Data Entry)*

- ☐ (EJ) Disclosure Amendment or Additional Applications Given or Sent
- ☐ (BI) Notification of Business Plan Requirements
- ☑ (DA) Approval of Business Plan *(Date)* 5/2/00
- ☑ (VA) Inventory Verified By On-Site Inspection *(Date)* 5/2/00
- ☐ (EG) Warning Notice for Failure to Disclose
- ☐ (BG) Warning Notice for Failure to Submit Business Plan
- ☐ Medical Exemption Approved *(Signature)*
- ☐ RE-CLASSIFY TO 801 802 803 0

DATA ENTRY INSTRUCTIONS: *(Circle desired form to make instruction clear and check off appropriate boxes)*

- ☐ Enter Highlighted Changes on BP-1 / BP-8 / NO CHANGES
- ☐ Enter Inventory On Amendment / Disclosure
- ☐ Inactivate Business *(Journal Entry Should Be Included)*
- ☐ Other Instructions: *(For example: Enter I Codes; Combine Businesses under one BP number)*

OCC. JURISDICTION HIPS VIND VPSU CO HZMT VINS VS/C See Reverse For Journal ☐

INSPECTOR TIMEKEEPING: I1 .5 I2 I3 .5

K-5 (Emergency Information) K-6 (Inventory)

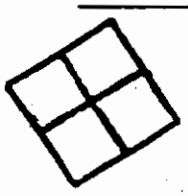
K-7 (Business Plans) K-8 (Site Map)

K-9 (Other Code Enforcement) *(K-Codes are entered automatically)*

STATUS:	YES	NO
Business Plan Required	☐	☐
Government Agency	☐	☑
Cancel Certificate	☐	☐

Reason:
- ☐ Out of Business
- ☐ Moved Location
- ☐ No Hazardous Materials
- ☐ Change of Ownership
- ☐ Below Disclosure Level

704 DATA: Write out in linear format (i.e., 2-3-2 COR)



828 Permit No.:

Area Covered by Placard:

Data Entry Name: Data Entry Date: 5/4/00

BUSINESS INFORMATION

INSTRUCTIONS: Please complete and sign this form; your signature indicates that the information, as supplied is accurate.

Business Plan Number: 001208-9 THIS IS YOUR CURRENT BUSINESS PLAN NUMBER. THIS NUMBER MUST APPEAR ON ALL BUSINESS PLAN FORMS!

Business Name: LADO MANUFACTURING CO INC

Address Where Business Is Conducted: 11400 LUDDINGTON ST

LOS ANGELES CA 91352

Other On-Site Addresses: _____

_____

_____

_____

Legal Business Owner Name:	MILDRED C LARSEN	WORK PHONE NUMBER (818) 768-2209
On-Site Manager:	BRIAN C LARSEN	(818) 768-2209
		EMERGENCY PHONE NUMBER (24-HOUR)
Emergency Contact:	MILDRED E LARSEN	- -
Alternate Emergency Contact:	BRIAN C LARSEN	- -

Standard Industrial Classification (SIC) Code of Business: 3471

Dun & Bradstreet Number: _ _-_ _ _-_ _ _ _

MAILING ADDRESS: 11400 LUDDINGTON ST UNIT A

SUN VALLEY CA 91352

Briefly describe the nature of the hazardous materials operations:

_____

_____

Number of Employees: 7 Square Footage of Facility: 4,700

_____ _____ _____

Signature of Legal Business Owner/Authorized Representative Title Date

Business Plan has been reviewed and approved: _____

****

Office Use Only Insp. I.D.: 424 Date: 5/2/00 D/E I.D.: 4 Date: 5/4/00 TS: _____

REPORT NO: IHMSR500
RUN DATE : 02/20/1997

HAZARDOUS MATERIALS SYSTEM
BP-8: COMPUTER LISTING OF INVENTORY SUBMITTED
INSPECTION RESPONSIBILITY: VALLEY INDUSTRIAL

BUSINESS #: 001208-9
FIRST IN : 77
BLOCK # :

BUS NAME : LADO MANUFACTURING CO INC
BUS OWNER : MILDRED C LARSEN
ON-SITE MANAGER : BRIAN C LARSEN
EMERG CONTACT : MILDRED E LARSEN
ALT EMERG CONTACT: BRIAN C LARSEN

ADDR: 11400 LUDDINGTON ST
PH #: 818-768-2209
PH #:
PH #:

BUS PLN REVW: 02/18/1997 INV VERIFIED: 06/22/19
SIC CODE : 3471
NO OF EMPLOYEES : 7
SQ FT OF FACILITY : 4,700

SEQ	EXT HAZ	MATERIAL DESCRIPTION / INGREDIENTS	WST MAX%	MAXIMUM QUANTITY AT ANY TIME / CAS NO.	STORAGE TYPES	HEALTH & PHYS HAZ	ST	HAZARD CLASS
LOCATION:		LAFD#: 016338-001-5 NFPA-704:						PRODUCTS: 5
2		SODIUM HYDROSULFIDE		200.00 GA	ABOVEGROUND TANK	ACUTE	L	OXIDIZERS
		SODIUM NITRATE	16%	7631-99-4				
		WATER	84%	7732-18-5				
1		SODIUM HYDROXIDE BASE CAUSTIC		200.00 GA	ABOVEGROUND TANK	ACUTE	L	CORROSIVE MAT
		SODIUM HYDROXIDE	9%	1310-73-2				
		WATER	91%	7732-18-5				
4		AC-20		200.00 GA	ABOVEGROUND TANK	CHRONIC	L	CORROSIVE MAT
		BORAX CLEANER	15%	1303-96-4				
		WATER	0%					
5		500 B		200.00 GA	ABOVEGROUND TANK	CHRONIC	L	CORROSIVE MAT
		SODIUM BISULFATE	10%	7681-38-1				
		SODIUM SILICOPLURIDE	5%	16893-85-9				
		WATER	85%					
6		ALIUMINUM ETCH #3		200.00 GA	ABOVEGROUND TANK	CHRONIC	L	CORROSIVE MAT
		SODIUM HYDROXIDE CAUSTIC SODA	15%	1310-73-2				
		WATER	85%					

MY SIGNATURE INDICATES THAT I HAVE VERIFIED AND AGREED WITH THE TYPES AND QUANTITIES OF HAZARDOUS MATERIALS AT THIS ADDRESS

INSP SIG: _____ INSP DATE: 5/6/00 BUS REP SIG: _____ DATE: _____ DE SIG: _____ DATE: 5/6

HAZARDOUS MATERIALS INFORMATION FORM (HMIF)

1208-9

ADDRESS: 11400 CUDDINGTON **BUSINESS #:** ~~0 [illegible] 9~~ 0012X-9

INSPECTION ACTION

- ☐ 1. NEW HAZARDOUS MATERIALS BUSINESS ENTER BUSINESS
- ☐ 2. BUSINESS CLOSED (APPEARS TO STILL BE IN OPERATION)
- ☐ 3. BUSINESS NO LONGER A FIRE STATION GENERAL OCCUPANCY (STATE REASON IN COMMENTS; FORWARD A F-44 TO FPB)
- ☐ 4. GENERAL INFORMATION CHANGE (ENTER CHANGES ON BP-8)
- ☒ 5. MINOR CHANGES TO INVENTORY (ENTER CHANGES ON BP-8 USING CODES ON REVERSE OF THIS FORM)
- ☐ 6. MAJOR CHANGES TO INVENTORY (AMENDMENT WILL BE MAILED TO OWNER)
- ☐ 7. BUSINESS NO LONGER CONTAINS HAZARDOUS MATERIALS
- ☐ 8. BUSINESS OWNERSHIP CHANGES (ENTER BUSINESS INFORMATION BELOW)
- ☐ 9. OUT OF BUSINESS
- ☐ 10. NO CHANGES
- ☐ 11. NEEDS BUSINESS PLAN REVIEW (EVERY 3 YEARS)

COMMENTS: REDUCTION OF HAZ MAT INVENTORY

PERSON CONTACTED:

NEW HAZARDOUS MATERIALS BUSINESS INFORMATION

BUSINESS NAME:

BUSINESS ADDRESS:

MAILING ADDRESS (IF DIFFERENT FROM ABOVE): BUSINESS PHONE:

BUSINESS OWNER NAME: BUSINESS OWNER PHONE:

ON-SITE MANAGER NAME: MANAGER PHONE:

PROPERTY OWNER NAME: PROPERTY OWNER PHONE:

FORWARDED BY: ASSIGNMENT: DATE:

FOR OFFICE USE ONLY: BUSINESS #: _____ LAFD #: _____ DATA ENTRY INT.: B _____ DATE: 8/23/99

TABLES FOR INVENTORY FORMS

TABLE 1 - STORAGE TYPES

A	=	Metal Container (5 Gallons or Less)	J	=	Compressed Gas Cylinders
B	=	Drums, Barrels, Carboys	K	=	Compressed Gas Manifold
C	=	Underground Tanks	L	=	Pressure Vessel, Non-portable
D	=	Aboveground Tanks	M	=	Tank Car/Trailer
E	=	Glass Containers	N	=	Sealed Source (Radioactive Material)
F	=	Bags	O	=	Unsealed Source (Radioactive Material)
G	=	Boxes, Cartons, Cases	P	=	Other Container Types (Specify)
H	=	Sump or Pit	Q	=	Plastic Containers (5 Gallons or Less)
I	=	Industrial Processing Equipment	R	=	Packaged for Retail Sales

55 GALLONS - LIQUID

200 CU. FT. - COMP. GAS

500 POUNDS - SOLID

ACUTELY HAZARDOUS MATERIALS - *NO EXEMPTION*

TABLE 2 - HEALTH AND PHYSICAL HAZARDS

1 = Immediate (Acute) Health Hazard
2 = Delayed Chronic Health Hazard
3 = Fire Hazard
4 = Sudden Release of Pressure Hazard
5 = Reactive Hazard

TABLE 3 - HAZARD CLASSES

RA	=	Radioactive Material	3B	=	Oxidizers
UT	=	Motor Vehicle Fuel and/or Used Motor Oil Stored in Approved Underground Tanks	3C	=	Organic Peroxide
			4A	=	Class A Explosive
1A	=	Nonflammable Compressed Gas	4B	=	Class B Explosive
1B	=	Combustible Liquid	4C	=	Class C Explosive
1C	=	Irritants	4D	=	Blasting Agent
1D	=	Other Regulated Material	5A	=	Class A Poison
2A	=	Corrosive Material	5B	=	Class B Poison
3A	=	Flammable Material	5C	=	Etiologic Agent

DATA ENTRY INSTRUCTION FORM (DEIF)

DATE 2-18-97 NEW USER ☐

INSPECTOR'S NAME W O R T H INSPECTOR NO. 4 4 9

BUSINESS NO. 1208-P FS DIST. 8 18 24 70 74 75 77

BUSINESS NAME LAND W.C. CO. INC. 81 87 91 96 98 103 104 107

ACTION: *(Automatically entered by Data Entry)*

- ☐ (EJ) Disclosure Amendment or Additional Applications Given or Sent
- ☐ (BI) Notification of Business Plan Requirements
- ☑ (DA) Approval of Business Plan *(Date)* 2-18-97
- ☐ (VA) Inventory Verified By On-Site Inspection *(Date)*
- ☐ (EG) Warning Notice for Failure to Disclose
- ☐ (BG) Warning Notice for Failure to Submit Business Plan
- ☐ Medical Exemption Approved *(Signature)*

READ AND APPROVED QUALITY CONTROL TLD FEB 25 1997

DATA ENTRY INSTRUCTIONS: *(Circle desired form to make instruction clear and check off appropriate boxes)*

- ☐ Enter Highlighted Changes on BP-1 / BP-8
- ☐ Enter Inventory On Amendment / Disclosure
- ☐ Inactivate Business *(Journal Entry Should Be Included)*
- ☐ Other Instructions: *(For example: Enter I Codes; Combine Businesses under one BP number)*

OCC. JURISDICTION VINJ See Reverse For Journal ☑

INSPECTOR TIMEKEEPING: I1 .1 I2 I3 .1

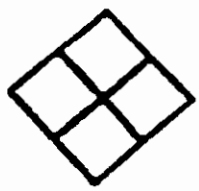
K-5 (Emergency Information)
K-6 (Inventory)
K-7 (Business Plans) .1
K-8 (Site Map)
K-9 (Other Code Enforcement)

(K-Codes are entered automatically)

STATUS:	YES	NO
Business Plan Required	☑	☐
Government Agency	☐	☑
Cancel Certificate	☐	☑

Reason:
- ☐ Out of Business
- ☐ Moved Location
- ☐ No Hazardous Materials
- ☐ Change of Ownership
- ☐ Below Disclosure Level

704 DATA: Write out in linear format (i.e., 2-3-2 COR)



Area Covered by Placard:

Data Entry Name: David Steelin Data Entry Date: 2-22-97

JOURNAL: *(Document who you contacted, inspection notes, and any other relevant information)*

- ☐ Verified Inventory
- ☑ Approved Business Plan
- ☐ Inactivate Business
- ☐ Approved Disclosure Application
- ☐ Approved Amendment
- ☐ Left Disclosure Information
- ☐ Left Business Plan Information

Field Verification/Spoke With:

NEW USER

Primary Situs Address: _____

Mailing Address: _____

Business Name: _____ Phone No.: ( ) _____

Business Owner Name: _____ Phone No.: ( ) _____

On-Site Manager Name: _____ Phone No.: ( ) _____

Property Situs Address: _____ Phone No.: ( ) _____

Secondary Situs Address: _____

Property Owner Address: _____

Business No.: Temp. Permit No.: F.S. DIST.:

Data Entry Name: Add to File Date:

DATA ENTRY INSTRUCTION FORM (DEIF)

DATE 6-22-93 NEW USER ☐

INSPECTOR NAME BROUDE INSPECTOR NO. 426

BUSINESS NO. 1208-9 FS DIST. ~~83 90 100~~ 77

BUSINESS NAME LADD Manufacturing Co., Inc.

ACTION: *(Automatically entered by Data Entry)*

- ☐ (EJ) Disclosure Amendment or Additional Applications Given or Sent
- ☐ (BI) Notification of Business Plan Requirements
- ☒ (DA) Approval of Business Plan
- ☒ (VA) Inventory Verified By on Site Inspection 6-22-93 Date
- ☐ (EG) Warning Notice for Failure to Disclose
- ☐ (BG) Warning Notice for Failure to Submit Business Plan
- ☐ Medical Exemption Approved _____ Signature

DATA ENTRY INSTRUCTIONS: *(Circle desired form to make instruction clear and check off appropriate boxes.)*

- ☒ Enter highlighted changes on (BP-1) / (BP-8)
- ☐ Enter inventory on Amendment / Disclosure
- ☐ Inactivate Business *(Journal entry should be included.)*
- ☒ Other instructions: *(For example: Enter I Codes; Combine Businesses under one BP number; ...)*

I, & K, Codes Already Entered. - Maint Vacant District

(Business comments should be written on reverse side of DEIF, only.) See Reverse For Journal ☒

INSPECTOR TIMEKEEPING: I1 .7 I2 _____ I3 .5

K-5 (Emergency Information) .5 My K-6 (Inventory) .2 My

K-7 (Business Plans) _____ K-8 (Site Map) _____

K-9 (Other Code Enforcement) _____ *(K-Codes are entered automatically.)*

STATUS:	Yes	No
Business Plan Required	☒	☐
Government Agency	☐	☒
Cancel Certificate	☐	☒

Reason: ____ Out of Business
____ Moved Location
____ No Hazardous Materials
____ Change of Ownership
____ Below Disclosure Level

704 DATA: Write out in linear format (i.e., 2-3-2 COR)

_____

828 Permit No: _____

Area Covered by Placard:

_____

_____

_____

8-11-93

DATA ENTRY INSTRUCTION FORM

Revised: 02-27-90 | INSPECTOR ACTIONS | New User (Back)

Inspector Name: GRINMAN | Office Hrs. | TOTAL HRS.: 1/4 | Division 8 Renewals (Back)

DATA ENTRY INSTRUCTIONS

Business No.: 1208-9 LAFD No.: _____

Type: V Action: AA
Type: _____ Action: _____
Type: _____ Action: _____

- ☐ CHANGE BP-1
- ☒ CHANGE BP-8
- ☒ ENTER AS A "DA"

BUSINESS PLAN INSPECTION RESULTS (BP-9)

INSPECTION ACTION CODES:

FA = Accept Plan - Field
FR = Accept Plan with Deficiency Letter
DA = Accept Plan - Desk Review
DR = Accept Plan Desk Review with Deficiency Letter
FX = No Business Plan Required (Check Box Below)
FQ = Out of Business (Check Box Below)

BUSINESS NO.: _____ **BUSINESS NAME:** _____

Review/Inspection Date: _____ Inspection Action (Circle One): FA FR (DA) DR FX FO

340-C No.: _____ 340-C Issue Date: _____ Sq. Footage Correction _____

INSPECTION JOURNAL (Include Name of Person You Met With and Date): _____

Journal Continued on Back: ☐ Yes ☐ No

Potential RMPP Candidate: ☐ Yes ☐ No ☐ Unsure

If Inspection Action is "FX", Check One Below:
- ☐ Exemption (Explain)
- ☐ Hazmat Reduced to 801 Level
- ☐ Retail Sales
- ☐ (A) Bus. No Longer Contain Hazmat (Inactive)

If Inspection Action is "FO", Check One Below:
- ☐ (B) Out of Business
- ☐ (C) Business Moved to Another Location
- ☐ (D) Business Ownership Change
- ☐ (I) Other (Explain in Inspection Journal)

Data Entry Name: AA Data Entry Date: 10-28-90

REPORT NO. IHMS-500
RUN DATE = 06/17/1993

HAZARDOUS MATERIALS SYSTEM
BP-8: COMPUTER LISTING OF INVENTORY SUBMITTED

PAGE : 1
BUSINESS #: 001208-9
FIRST IN : 77
BLOCK # :

BUS NAME : LADO MANUFACTURING CO INC
BUS OWNER : MILDRED C LARSEN
ON-SITE MANAGER : BRIAN C LARSEN
EMERG CONTACT : MILDRED E LARSEN
ALT EMERG CONTACT: BRIAN C LARSEN

ADDR: 11400 LUDDINGTON ST
PH #: 818-768-2209
PH #:
PH #:

BUS PLN RCVD: 01/08/1988 INV VERIFIED: 0/ 0/
SIC CODE : 3471
NO OF EMPLOYEES : 7
SQ FT OF FACILITY : 4,700

SEQ	EXT HAZ	MATERIAL DESCRIPTION / INGREDIENTS	WST	MAXIMUM QUANTITY AT ANY TIME MAX%	CAS NO.	STORAGE TYPES	HEALTH & PHYS HAZ	SI	HAZARD CLASS
LOCATION:		LAFD#: 016338-001-5 NFPA-704:							PRODUCTS:
2		SODIUM HYDROSULFIDE			~~400.00 GA~~ 200 GA	ABOVEGROUND TANK ACUTE		L	OXIDIZERS
		SODIUM NITRATE		16%	7631-99-4				
		WATER		84%	7732-18-5				
1		SODIUM HYDROXIDE BASE CAUSTIC			~~400.00 GA~~ 200 GA	ABOVEGROUND TANK ACUTE		L	CORROSIVE MAT
		SODIUM HYDROXIDE		9%	1310-73-2				
		WATER		91%	7732-18-5				
3		SLUDGE	YES		400.00 GA	~~UNDERGROUND TANK CHRONIC~~		L	IRRITANTS
		~~SODIUM HYDROXIDE~~		4%	1310-73-2				
		~~WATER~~		87%	7732-18-5				
		~~SODIUM NITRATE~~		8%	7631-99-4				

Change

change

Delete

---

1) AC-20 — 200 GA — H>3
Borax Cleaner — 15% — 1303-96-4 — 2 — L — Haz Cl
Water — 85%

2) 500 G — 200 GA.
Sodium Bisulfate — 10% — 7681-38-1 — 2 — L — 3B
Sodium Silicofluoride — 5% — 16893-85-9 — 2 — L — 3B
Water — 85%

3) Aluminum Etch #3 — 15% — 1310-73-2 — 2 — L — 2A
Sodium Hydroxide Caustic Soda — 15%
Water.

INSP SIG: _____ INSP DATE: 62293 BUS REP SIG: _____ DATE: 6-22-93 DE SIG: _____ DATE: 8/

REPORT NO: IHMSR500
RUN DATE : 06/04/1996

HAZARDOUS MATERIALS SYSTEM
BP-8: COMPUTER LISTING OF INVENTORY SUBMITTED
INSPECTION RESPONSIBILITY: VALLEY INDUSTRIAL

PAGE : 1
BUSINESS #: 001208-9
FIRST IN : 77
BLOCK # : 104B

BUS NAME : LADO MANUFACTURING CO INC
BUS OWNER : MILDREO C LARSEN
ON-SITE MANAGER : BRIAN C LARSEN
EMERG CONTACT : MILDRED E LARSEN
ALT EMERG CONTACT: BRIAN C LARSEN

ADDR: 11400 LUDDINGTON ST
PH #: 818-768-2209
PH #:
PH #:

BUS PLN REVW: 06/22/1993 INV VERIFIED: 06/22/19
SIC CODE : 3471
NO OF EMPLOYEES : 7
SQ FT OF FACILITY : 4,700

SEQ	EXT HAZ	MATERIAL DESCRIPTION / INGREDIENTS	WST MAX%	MAXIMUM QUANTITY AT ANY TIME / CAS NO.	STORAGE TYPES	HEALTH & PHYS HAZ	ST	HAZARD CLASS
LOCATION:		LAFD#: 016338-001-5 NFPA-704:						PRODUCTS: 5
2		SODIUM HYDROSULFIDE		200.00 GA	ABOVEGROUND TANK	ACUTE	L	OXIDIZERS
		SODIUM NITRATE	16%	7631-99-4				
		WATER	84%	7732-18-5				
1		SODIUM HYDROXIDE BASE CAUSTIC		200.00 GA	ABOVEGROUND TANK	ACUTE	L	CORROSIVE MAT
		SODIUM HYDROXIDE	9%	1310-73-2				
		WATER	91%	7732-18-5				
4		AC-20		200.00 GA	ABOVEGROUND TANK	CHRONIC	L	CORROSIVE MAT
		BORAX CLEANER	15%	1303-96-4				
		WATER	0%					
5		500 B		200.00 GA	ABOVEGROUND TANK	CHRONIC	L	CORROSIVE MAT
		SODIUM BISULFATE	10%	7681-38-1				
		SODIUM SILICOPLURIDE	5%	16893-85-9				
		WATER	85%					
6		ALIUMINUM ETCH #3		200.00 GA	ABOVEGROUND TANK	CHRONIC	L	CORROSIVE MAT
		SODIUM HYDROXIDE CAUSTIC SODA	15%	1310-73-2				
		WATER	85%					

MY SIGNATURE INDICATES THAT I HAVE VERIFIED AND AGREED WITH THE TYPES AND QUANTITIES OF HAZARDOUS MATERIALS AT THIS ADDRESS

INSP SIG: _____ INSP DATE: 12/2/94 BUS REP SIG: _____ DATE: _____ DE SIG: _____ DATE: 12-2

FSD 77

AMENDMENT APPLICATION

MAY 28

F-971 (3/92)

INSTRUCTIONS ARE PROVIDED ON THE REVERSE SIDE OF THIS FORM. TYPE OR PRINT NEATLY. COMPLETE **ALL** ITEMS BELOW. AN INCOMPLETE OR ILLEGIBLE FORM WILL BE REJECTED RESULTING IN NON-COMPLIANCE.

BUSINESS NO. 1208-9 BUSINESS TAX ACCOUNT NO. 95-2660370 SIC CODE NO. 7692

LEGAL NAME OF BUSINESS Lado Manufacturing Company, Inc.

BUSINESS SITE ADDRESS 11400 Luddington Street, UNIT NO. A

CITY Sun Valley STATE Calif. ZIP 91352

NAME OF BUSINESS OWNER Mildred E. Larsen PHONE 818-768-2209

NAME OF ON-SITE MANAGER Brian C. Larsen PHONE 818-768-2209

PRIMARY EMERGENCY CONTACT Brian C. Larsen 24 HR EMERGENCY PHONE

ALTERNATE EMER. CONTACT Mildred E. Larsen 24 HR EMERGENCY PHONE

DOING BUSINESS AS (DBA) Same

BUSINESS MAILING ADDRESS IN CARE OF

NAME OF PROPERTY OWNER Mildred E. Larsen DUN & BRADSTREET NO.

MAILING ADDRESS 11400 Luddington Street, Unit A, Sun Valley, California 91352

LIST ALL ADDITIONAL ADDRESSES THAT MAY BE USED TO REPORT AN EMERGENCY AT THIS SITE

BRIEFLY DESCRIBE HOW HAZARDOUS MATERIALS ARE USED IN YOUR BUSINESS

NUMBER OF EMPLOYEES: 7 SQUARE FOOTAGE OF FACILITY: 4750

CHECK APPLICABLE BOXES:

☐ NO PERMIT FOR HAZARDOUS SUBSTANCE OR WASTE HAS BEEN ISSUED TO MY BUSINESS.

☐ PHYSICIANS, DENTISTS, PODIATRISTS, VETERINARIANS AND PHARMACISTS WHO STORE **ONLY** OXYGEN OR NITROUS OXIDE IN QUANTITIES OF 1000 CUBIC FEET OR LESS OF EITHER MATERIAL MUST CHECK THIS BOX.

PERMIT INFORMATION: If your business has a permit issued for hazardous substance or waste, list the permit number:

A. L.A. FIRE DEPARTMENT (FIRE PERMIT) 001208-9

B. L.A. BUREAU OF SANITATION 415656-N/A

C. SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

D. STATE HEALTH SERVICES (RADIOACTIVE MAT'L LICENSE)

E. L.A. COUNTY HEALTH DEPT. (GENERATORS HAZARDOUS WASTE)

F. E.P.A. I.D. (GENERATORS HAZARDOUS WASTE) CAP 999001436

G. E.P.A. I.D. (HAZARDOUS WASTE HAULERS) CAD072953771

H. E.P.A. I.D. (HAZARDOUS WASTE FACILITY-TSD)

I. REGIONAL WATER QUALITY BOARD

J. CAL-OSHA (CARCINOGEN REGISTRATION)

OTHER AGENCY (SPECIFY)

IT IS UNLAWFUL FOR ANY PERSON TO KNOWINGLY VIOLATE ANY PROVISION OF THE FIRE CODE. I CERTIFY UNDER PENALTY OF PERJURY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I AGREE TO COMPLY WITH ALL REGULATIONS, LAWS, AND ORDINANCES PERTAINING TO OR RELATING TO THE ABOVE BUSINESS.

FOR OFFICE USE ONLY

Mildred E. Larsen 5/26/93
SIGNATURE OF BUSINESS OWNER OR AUTHORIZED REPRESENTATIVE, TITLE DATE

5/26/93
SIGNATURE OF ON-SITE MANAGER DATE

FOR OFFICE USE ONLY FD CLASS F

RECEIVED BY INITIALS DG DATE 5-28-93

INSPECTOR I.D. 426 LAFD SIGNATURE DATE 6-2-93

DATA ENTRY INITIALS DATE

(A-11)

AMENDMENT INSTRUCTIONS

A business which has a Certificate of Disclosure of Hazardous Substances shall file an Amendment with the Los Angeles City Fire Department **before:**

1. The business handles a hazardous substance not previously disclosed to the Los Angeles City Fire Department; and/or

2. The quantity of hazardous materials significantly increases or decreases from the amount previously disclosed to the Los Angeles City Fire Department; and/or

3. There is a change in the method or place of storage of hazardous substance from that indicated on the form on file with the Los Angeles City Fire Department; and/or

4. The business changes its emergency contact information.

DO NOT USE THIS FORM FOR A CHANGE IN BUSINESS LOCATION OR BUSINESS OWNER. AN APPLICATION FOR A "CERTIFICATE OF DISCLOSURE OF HAZARDOUS SUBSTANCES" MUST BE COMPLETED AND SUBMITTED TO THE LOS ANGELES CITY FIRE DEPARTMENT WHEN A BUSINESS MOVES TO A NEW LOCATION OR CHANGES OWNERSHIP.

Make extra copies of the blank forms to use as work sheets and for filing future Amendments. A COPY OF THE COMPLETED AMENDMENT MUST BE RETAINED IN YOUR RECORDS. Please mail the completed forms to:

LOS ANGELES CITY FIRE DEPARTMENT
HAZARDOUS MATERIALS SECTION
ATTENTION: AMENDMENTS
200 NORTH MAIN STREET, ROOM 970
LOS ANGELES, CA 90012

COMPLETING THE AMENDMENT FORMS

AMENDMENT APPLICATION (REVERSE SIDE OF THIS PAGE)

This form is for business information and MUST BE FILLED OUT COMPLETELY. Include the signature of the business owner or authorized representative and the signature of the on-site manager.

HAZARDOUS MATERIALS AND HAZARDOUS WASTE INVENTORY AMENDMENT FORM

List ONLY those chemicals that are ADDED, CHANGED, or DELETED from the inventory report that the Los Angeles City Fire Department currently has on file. Use the "Inventory Form Instructions" provided in this packet.

For additional information, contact the Hazardous Materials Section, Monday through Friday, 7:30 a.m. to 5:00 p.m. at (213) 485-7476 or (213) 485-7477.

NOTE: It is your legal obligation to provide an immediate, VERBAL report of any significant RELEASE or THREATENED RELEASE of a hazardous substance to the Los Angeles City Fire Department by dialling 911 AND the Office of Emergency Services (OES) at 1-800-852-7550.

AMENDMENT FORM

HAZARDOUS MATERIALS AND HAZARDOUS WASTE INVENTORY

BUSINESS NO.: 794026-13 **LAFD NO.:** 001208-9 **DATE:** 5-26-93 **PAGE** 1 **OF** 2

BUSINESS NAME: Lado Manufacturing Co., Inc. **ADDRESS:** 11400 Luddington Street, Unit A Sun Valley, California 91352

MAKE EXTRA PHOTOCOPIES OF THIS FORM BEFORE COMPLETING IT. **READ ALL OF THE INSTRUCTIONS INCLUDED IN THIS PACKET.** COMPLETE A SEPARATE FORM FOR EACH BUILDING, OUTDOOR AREA, UNDERGROUND TANK, OR ROOM WHERE THE AMENDED AMOUNTS OF HAZARDOUS MATERIALS OR WASTE ARE LOCATED.

FOR EACH PRODUCT, INDICATE WHETHER THE INFORMATION SHOULD BE ADDED, CHANGED, OR DELETED FROM THE LAST REPORT GIVEN TO THE LOS ANGELES CITY FIRE DEPARTMENT BY MARKING THE APPROPRIATE BOX:

ADD: MARK IF THE PRODUCT IS AN ADDITION TO YOUR EXISTING INVENTORY.

CHANGE: MARK IF THERE IS A SIGNIFICANT CHANGE IN THE INFORMATION (I.E., QUANTITY) PREVIOUSLY REPORTED FOR THAT PRODUCT.

DELETE: MARK IF THE PRODUCT HAS BEEN DELETED FROM YOUR INVENTORY.

SPECIFY THE LOCATION:

BUILDING NAME OR OUTDOOR AREA LOCATION: 11400 Luddington St., Unit A, Sun Valley, Ca. 91352 **ROOM NUMBER OR UNDERGROUND TANK NO.:** N/C

(MARK ONE)	(1) IS THIS AN EXTREMELY HAZARDOUS SUBSTANCE?	(2) CHEMICAL, PRODUCT, OR WASTE NAME	(3) (MARK ONE)
☐ ADD ☐ CHANGE ☒ DELETE	YES ☐ NO ☒	AC-20	☒ PURE ☐ MIXTURE ☐ WASTE

(4) MAXIMUM AMOUNT AT ANY TIME	(5) TOTAL ANNUAL AMOUNT	(6) STORAGE TYPE (SEE TABLE 1)	(7) HEALTH & PHYSICAL HAZARDS (SEE TABLE 2) MARK APPLICABLE BOXES:	(8) PHYSICAL STATE (MARK ONE)	(9) HAZARD CLASS (SEE TABLE 3)	(10) STORAGE PRESSURE (MARK ONE)	(11) STORAGE TEMPERATURE (MARK ONE)
300 LBS (CIRCLE ONE) GALS CU. FT.	300 LBS (CIRCLE ONE) GALS CU. FT.	B	1 ☐ 3 ☐ 5 ☐ 2 ☒ 4 ☐	SOLID ☒ LIQUID ☐ GAS ☐	2A	ABOVE ☐ STANDARD ☒ BELOW ☐	ABOVE ☐ AMBIENT ☒ BELOW ☐ CRYOGENIC ☐

(12) HAZARDOUS CHEMICAL INGREDIENTS:	PERCENTAGE	CAS NUMBER	(13) NUMBER OF DAYS ON-SITE	(14) STATE WASTE CODE (SEE TABLE 4)	(15) TREATMENT AND DISPOSAL (SEE TABLE 5)
Borax	100 %	1303-96-4	Yearly	122	20
	%				
	%				

(MARK ONE)	(1) IS THIS AN EXTREMELY HAZARDOUS SUBSTANCE?	(2) CHEMICAL, PRODUCT, OR WASTE NAME	(3) MARK ONE:
☐ ADD ☐ CHANGE ☒ DELETE	YES ☐ NO ☒	DX-34	☒ PURE ☐ MIXTURE ☐ WASTE

(4) MAXIMUM AMOUNT AT ANY TIME	(5) TOTAL ANNUAL AMOUNT	(6) STORAGE TYPE (SEE TABLE 1)	(7) HEALTH & PHYSICAL HAZARDS (SEE TABLE 2) MARK APPLICABLE BOXES:	(8) PHYSICAL STATE (MARK ONE)	(9) HAZARD CLASS (SEE TABLE 3)	(10) STORAGE PRESSURE (MARK ONE)	(11) STORAGE TEMPERATURE (MARK ONE)
400 LBS (CIRCLE ONE) GALS CU. FT.	400 LBS (CIRCLE ONE) GALS CU. FT.	B	1 ☐ 3 ☐ 5 ☐ 2 ☒ 4 ☐	SOLID ☒ LIQUID ☐ GAS ☐	3B	ABOVE ☐ STANDARD ☒ BELOW ☐	ABOVE ☐ AMBIENT ☒ BELOW ☐ CRYOGENIC ☐

(12) HAZARDOUS CHEMICAL INGREDIENTS:	PERCENTAGE	CAS NUMBER	(13) NUMBER OF DAYS ON-SITE	(14) STATE WASTE CODE (SEE TABLE 4)	(15) TREATMENT AND DISPOSAL (SEE TABLE 5)
Sodium Nitrite	100 %	7632000	Yearly	352	04
	%				
	%				

FOR OFFICE USE ONLY:
INSP. ID _____ INSP. INITIAL _____ DATE _____ DATA ENTRY INITIALS: _____ DATE: _____

(A-13)

BUSINESS NO.: 794026-13 LAFD NO.: _____ DATE: 5-26-93 PAGE _____ OF _____

BUSINESS NAME: Lado Manufacturing Co., Inc. ADDRESS: 11400 Luddington St., Unit A, Sun Valley, Cal. 91352

BUILDING NAME OR OUTDOOR AREA LOCATION: Same ROOM NUMBER OR UNDERGROUND TANK NO.: _____

(MARK ONE)	(1) IS THIS AN EXTREMELY HAZARDOUS SUBSTANCE?	(2) CHEMICAL, PRODUCT, OR WASTE NAME	(3) (MARK ONE)
☐ ADD ☐ CHANGE ☒ DELETE	YES ☐ NO ☒	CH-90	☒ PURE ☐ MIXTURE ☐ WASTE

(4) MAXIMUM AMOUNT AT ANY TIME	(5) TOTAL ANNUAL AMOUNT	(6) STORAGE TYPE (SEE TABLE 1)	(7) HEALTH & PHYSICAL HAZARDS (SEE TABLE 2) MARK APPLICABLE BOXES:	(8) PHYSICAL STATE (MARK ONE)	(9) HAZARD CLASS (SEE TABLE 3)	(10) STORAGE PRESSURE (MARK ONE)	(11) STORAGE TEMPERATURE (MARK ONE)
500 LBS (CIRCLE ONE) GALS CU. FT.	500 LBS (CIRCLE ONE) GALS CU. FT.	B	1 ☐ 3 ☐ 5 ☐ 2 ☒ 4 ☐	SOLID ☒ LIQUID ☐ GAS ☐	2A	ABOVE ☐ STANDARD ☒ BELOW ☐	ABOVE ☐ AMBIENT ☒ BELOW ☐ CRYOGENIC ☐

(12) HAZARDOUS CHEMICAL INGREDIENTS:	PERCENTAGE	CAS NUMBER	(13) NUMBER OF DAYS ON-SITE	(14) STATE WASTE CODE (SEE TABLE 4)	(15) TREATMENT AND DISPOSAL (SEE TABLE 5)
Sodium Hydroxide Caustic Soda	100 %	1310-73-2	Yearly	122	04
	%				
	%				

(MARK ONE)	(1) IS THIS AN EXTREMELY HAZARDOUS SUBSTANCE?	(2) CHEMICAL, PRODUCT, OR WASTE NAME	(3) (MARK ONE)
☐ ADD ☒ CHANGE ☐ DELETE	YES ☐ NO ☒	AC-20 ✓	☐ PURE ☒ MIXTURE ☐ WASTE

(4) MAXIMUM AMOUNT AT ANY TIME	(5) TOTAL ANNUAL AMOUNT	(6) STORAGE TYPE (SEE TABLE 1)	(7) HEALTH & PHYSICAL HAZARDS (SEE TABLE 2) MARK APPLICABLE BOXES:	(8) PHYSICAL STATE (MARK ONE)	(9) HAZARD CLASS (SEE TABLE 3)	(10) STORAGE PRESSURE (MARK ONE)	(11) STORAGE TEMPERATURE (MARK ONE)
100 LBS 200 (CIRCLE ONE) GALS CU. FT.	100 LBS 200 (CIRCLE ONE) GALS CU. FT.	D	1 ☐ 3 ☐ 5 ☐ 2 ☒ 4 ☐	SOLID ☐ LIQUID ☒ GAS ☐	2A	ABOVE ☐ STANDARD ☒ BELOW ☐	ABOVE ☐ AMBIENT ☒ BELOW ☐ CRYOGENIC ☐

(12) HAZARDOUS CHEMICAL INGREDIENTS:	PERCENTAGE	CAS NUMBER	(13) NUMBER OF DAYS ON-SITE	(14) STATE WASTE CODE (SEE TABLE 4)	(15) TREATMENT AND DISPOSAL (SEE TABLE 5)
Borax Cleaner	15 %	1303-96-4	Yearly	122	20
Water	85 %				
	%				

(MARK ONE)	(1) IS THIS AN EXTREMELY HAZARDOUS SUBSTANCE?	(2) CHEMICAL, PRODUCT, OR WASTE NAME	(3) (MARK ONE)
☐ ADD ☒ CHANGE ☐ DELETE	YES ☐ NO ☒	500 B ✓	☐ PURE ☒ MIXTURE ☐ WASTE

(4) MAXIMUM AMOUNT AT ANY TIME	(5) TOTAL ANNUAL AMOUNT	(6) STORAGE TYPE (SEE TABLE 1)	(7) HEALTH & PHYSICAL HAZARDS (SEE TABLE 2) MARK APPLICABLE BOXES:	(8) PHYSICAL STATE (MARK ONE)	(9) HAZARD CLASS (SEE TABLE 3)	(10) STORAGE PRESSURE (MARK ONE)	(11) STORAGE TEMPERATURE (MARK ONE)
100 LBS 200 (CIRCLE ONE) GALS CU. FT.	100 LBS 200 (CIRCLE ONE) GALS CU. FT.	D	1 ☐ 3 ☐ 5 ☐ 2 ☒ 4 ☐	SOLID ☐ LIQUID ☒ GAS ☐	3 B	ABOVE ☐ STANDARD ☒ BELOW ☐	ABOVE ☐ AMBIENT ☒ BELOW ☐ CRYOGENIC ☐

12) HAZARDOUS CHEMICAL INGREDIENTS:	PERCENTAGE	CAS NUMBER	(13) NUMBER OF DAYS ON-SITE	(14) STATE WASTE CODE (SEE TABLE 4)	(15) TREATMENT AND DISPOSAL (SEE TABLE 5)
Sodium Bisulfate	10 %	7681-38-1	Yearly	352	04
Sodium Sili cofluride	5 %	16893-85-9			
Water	85 %				

FOR OFFICE USE ONLY:

INSP. ID _____ INSP. INITIAL _____ DATE _____ DATA ENTRY INITIALS: _____ DATE: _____

MAC/AMDF-W/ PG2/020192

AMENDMENT FORM

HAZARDOUS MATERIALS AND HAZARDOUS WASTE INVENTORY

BUSINESS NO.: 794026-13 **LAFD NO.:** 001208-9 **DATE:** 5-26-93 **PAGE** 2 **OF** 2

BUSINESS NAME: Lado Manufacturing Co., Inc. **ADDRESS:** 11400 Luddington Street, Unit A, Sun Valley, California 91352

MAKE EXTRA PHOTOCOPIES OF THIS FORM BEFORE COMPLETING IT. **READ ALL OF THE INSTRUCTIONS INCLUDED IN THIS PACKET.** COMPLETE A SEPARATE FORM FOR EACH BUILDING, OUTDOOR AREA, UNDERGROUND TANK, OR ROOM WHERE THE AMENDED AMOUNTS OF HAZARDOUS MATERIALS OR WASTE ARE LOCATED.

FOR EACH PRODUCT, INDICATE WHETHER THE INFORMATION SHOULD BE ADDED, CHANGED, OR DELETED FROM THE LAST REPORT GIVEN TO THE LOS ANGELES CITY FIRE DEPARTMENT BY MARKING THE APPROPRIATE BOX:

ADD: MARK IF THE PRODUCT IS AN ADDITION TO YOUR EXISTING INVENTORY.

CHANGE: MARK IF THERE IS A SIGNIFICANT CHANGE IN THE INFORMATION (I.E., QUANTITY) PREVIOUSLY REPORTED FOR THAT PRODUCT.

DELETE: MARK IF THE PRODUCT HAS BEEN DELETED FROM YOUR INVENTORY.

SPECIFY THE LOCATION:

BUILDING NAME OR OUTDOOR AREA LOCATION: 11400 Luddington Street, Unit A, Sun Valley, California 91352 **ROOM NUMBER OR UNDERGROUND TANK NO.:** N/C

(MARK ONE) ☐ ADD ☒ CHANGE ☐ DELETE

(1) IS THIS AN EXTREMELY HAZARDOUS SUBSTANCE? YES ☐ NO ☒

(2) CHEMICAL, PRODUCT, OR WASTE NAME: Alumi num Etch #3

(3) (MARK ONE) ☐ PURE ☒ MIXTURE ☐ WASTE

(4) MAXIMUM AMOUNT AT ANY TIME	(5) TOTAL ANNUAL AMOUNT	(6) STORAGE TYPE (SEE TABLE 1)	(7) HEALTH & PHYSICAL HAZARDS (SEE TABLE 2) MARK APPLICABLE BOXES:	(8) PHYSICAL STATE (MARK ONE)	(9) HAZARD CLASS (SEE TABLE 3)	(10) STORAGE PRESSURE (MARK ONE)	(11) STORAGE TEMPERATURE (MARK ONE)
10 0 LBS	100 LBS	D	1 ☐ 3 ☐ 5 ☐ 2 ☒ 4 ☐	SOLID ☐ LIQUID ☒ GAS ☐	2A	ABOVE ☐ STANDARD ☒ BELOW ☐	ABOVE ☐ AMBIENT ☒ BELOW ☐ CRYOGENIC ☐
200 (CIRCLE ONE) GALS CU. FT.	200 (CIRCLE ONE) GALS CU. FT.						

(12) HAZARDOUS CHEMICAL INGREDIENTS:	PERCENTAGE	CAS NUMBER	(13) NUMBER OF DAYS ON-SITE	(14) STATE WASTE CODE (SEE TABLE 4)	(15) TREATMENT AND DISPOSAL (SEE TABLE 5)
Sodium Hydroxide Caustic Soda	15 %	1310-73-2			
Water	85 %		Yearly	122	04
	%				

(MARK ONE) ☐ ADD ☐ CHANGE ☐ DELETE

(1) IS THIS AN EXTREMELY HAZARDOUS SUBSTANCE? YES ☐ NO ☐

(2) CHEMICAL, PRODUCT, OR WASTE NAME

(3) MARK ONE: ☐ PURE ☐ MIXTURE ☐ WASTE

(4) MAXIMUM AMOUNT AT ANY TIME	(5) TOTAL ANNUAL AMOUNT	(6) STORAGE TYPE (SEE TABLE 1)	(7) HEALTH & PHYSICAL HAZARDS (SEE TABLE 2) MARK APPLICABLE BOXES:	(8) PHYSICAL STATE (MARK ONE)	(9) HAZARD CLASS (SEE TABLE 3)	(10) STORAGE PRESSURE (MARK ONE)	(11) STORAGE TEMPERATURE (MARK ONE)
LBS	LBS		1 ☐ 3 ☐ 5 ☐ 2 ☐ 4 ☐	SOLID ☐ LIQUID ☐ GAS ☐		ABOVE ☐ STANDARD ☐ BELOW ☐	ABOVE ☐ AMBIENT ☐ BELOW ☐ CRYOGENIC ☐
(CIRCLE ONE) GALS CU. FT.	(CIRCLE ONE) GALS CU. FT.						

(12) HAZARDOUS CHEMICAL INGREDIENTS:	PERCENTAGE	CAS NUMBER	(13) NUMBER OF DAYS ON-SITE	(14) STATE WASTE CODE (SEE TABLE 4)	(15) TREATMENT AND DISPOSAL (SEE TABLE 5)
	%				
	%				
	%				

FOR OFFICE USE ONLY:

INSP. ID _____ INSP. INITIAL _____ DATE _____ DATA ENTRY INITIALS: _____ DATE: _____

BUSINESS NO.:_____ LAFD NO.:_____ DATE:_____ PAGE_____ OF_____

BUSINESS NAME:_____ ADDRESS:_____

BUILDING NAME OR OUTDOOR AREA LOCATION:_____ ROOM NUMBER OR UNDERGROUND TANK NO.:_____

(MARK ONE) ☐ ADD ☐ CHANGE ☐ DELETE

(1) IS THIS AN EXTREMELY HAZARDOUS SUBSTANCE? YES ☐ NO ☐

(2) CHEMICAL, PRODUCT, OR WASTE NAME

(3) (MARK ONE) ☐ PURE ☐ MIXTURE ☐ WASTE

(4) MAXIMUM AMOUNT AT ANY TIME	(5) TOTAL ANNUAL AMOUNT	(6) STORAGE TYPE	(7) HEALTH & PHYSICAL HAZARDS	(8) PHYSICAL STATE	(9) HAZARD CLASS	(10) STORAGE PRESSURE	(11) STORAGE TEMPERATURE (MARK ONE)
_____ LBS	_____ LBS	(SEE TABLE 1)	(SEE TABLE 2)	(MARK ONE)	(SEE TABLE 3)	(MARK ONE)	☐ ABOVE
(CIRCLE ONE) GALS	(CIRCLE ONE) GALS		MARK APPLICABLE BOXES:	☐ SOLID		☐ ABOVE	☐ AMBIENT
CU. FT.	CU. FT.	_____	1 ☐ 3 ☐ 5 ☐	☐ LIQUID	_____	☐ STANDARD	☐ BELOW
			2 ☐ 4 ☐	☐ GAS		☐ BELOW	☐ CRYOGENIC

(12) HAZARDOUS CHEMICAL INGREDIENTS:	PERCENTAGE	CAS NUMBER	(13) NUMBER OF DAYS ON-SITE	(14) STATE WASTE CODE (SEE TABLE 4)	(15) TREATMENT AND DISPOSAL (SEE TABLE 5)
_____	_____ %	_____	_____	_____	_____
_____	_____ %	_____			
_____	_____ %	_____			

(MARK ONE) ☐ ADD ☐ CHANGE ☐ DELETE

(1) IS THIS AN EXTREMELY HAZARDOUS SUBSTANCE? YES ☐ NO ☐

(2) CHEMICAL, PRODUCT, OR WASTE NAME

(3) (MARK ONE) ☐ PURE ☐ MIXTURE ☐ WASTE

(4) MAXIMUM AMOUNT AT ANY TIME	(5) TOTAL ANNUAL AMOUNT	(6) STORAGE TYPE	(7) HEALTH & PHYSICAL HAZARDS	(8) PHYSICAL STATE	(9) HAZARD CLASS	(10) STORAGE PRESSURE	(11) STORAGE TEMPERATURE (MARK ONE)
_____ LBS	_____ LBS	(SEE TABLE 1)	(SEE TABLE 2)	(MARK ONE)	(SEE TABLE 3)	(MARK ONE)	☐ ABOVE
(CIRCLE ONE) GALS	(CIRCLE ONE) GALS		MARK APPLICABLE BOXES:	☐ SOLID		☐ ABOVE	☐ AMBIENT
CU. FT.	CU. FT.	_____	1 ☐ 3 ☐ 5 ☐	☐ LIQUID	_____	☐ STANDARD	☐ BELOW
			2 ☐ 4 ☐	☐ GAS		☐ BELOW	☐ CRYOGENIC

(12) HAZARDOUS CHEMICAL INGREDIENTS:	PERCENTAGE	CAS NUMBER	(13) NUMBER OF DAYS ON-SITE	(14) STATE WASTE CODE (SEE TABLE 4)	(15) TREATMENT AND DISPOSAL (SEE TABLE 5)
_____	_____ %	_____	_____	_____	_____
_____	_____ %	_____			
_____	_____ %	_____			

(MARK ONE) ☐ ADD ☐ CHANGE ☐ DELETE

(1) IS THIS AN EXTREMELY HAZARDOUS SUBSTANCE? YES ☐ NO ☐

(2) CHEMICAL, PRODUCT, OR WASTE NAME

(3) (MARK ONE) ☐ PURE ☐ MIXTURE ☐ WASTE

(4) MAXIMUM AMOUNT AT ANY TIME	(5) TOTAL ANNUAL AMOUNT	(6) STORAGE TYPE	(7) HEALTH & PHYSICAL HAZARDS	(8) PHYSICAL STATE	(9) HAZARD CLASS	(10) STORAGE PRESSURE	(11) STORAGE TEMPERATURE (MARK ONE)
_____ LBS	_____ LBS	(SEE TABLE 1)	(SEE TABLE 2)	(MARK ONE)	(SEE TABLE 3)	(MARK ONE)	☐ ABOVE
(CIRCLE ONE) GALS	(CIRCLE ONE) GALS		MARK APPLICABLE BOXES:	☐ SOLID		☐ ABOVE	☐ AMBIENT
CU. FT.	CU. FT.	_____	1 ☐ 3 ☐ 5 ☐	☐ LIQUID	_____	☐ STANDARD	☐ BELOW
			2 ☐ 4 ☐	☐ GAS		☐ BELOW	☐ CRYOGENIC

12) HAZARDOUS CHEMICAL INGREDIENTS:	PERCENTAGE	CAS NUMBER	(13) NUMBER OF DAYS ON-SITE	(14) STATE WASTE CODE (SEE TABLE 4)	(15) TREATMENT AND DISPOSAL (SEE TABLE 5)
_____	_____ %	_____	_____	_____	_____
_____	_____ %	_____			
_____	_____ %	_____			

FOR OFFICE USE ONLY:

INSP. ID_____ INSP. INITIAL_____ DATE_____ DATA ENTRY INITIALS:_____ DATE:_____

MAC/AMDF-W/ PG2/020492

APPLICATION FOR CERTIFICATE OF DISCLOSURE OF HAZARDOUS SUBSTANCES

016338-001-5 ... PART A 3

CC DEC 18 1986 FILL OUT AND RETURN PAGE 2, 3, 5 & 6 WITH PAYMENT

INSTRUCTIONS: COMPLETE ALL ITEMS BELOW. **ALL SIGNATURES MUST BE INCLUDED.** RETURN BOTH COPIES OF PART A, AND PARTS B AND C. TYPE OR PRINT NEATLY.

BP # 001208-9

BUSINESS TAX # _____ POLICE/FIRE PERMIT # _____ BUSINESS'S STANDARD INDUSTRIAL CLASSIFICATION, SIC CODE _____

FOR OFFICE USE ONLY	FD	CLASS	MC	PC	PERIOD	AMOUNT	PT. DT.	LAFD 902 CODE
	F		P	21	A	$		

LEGAL NAME OF BUSINESS:
(DO NOT ENTER FICTITIOUS NAME OR DBA) _____ PHONE _____

LOCATION WHERE HAZARDOUS MATERIALS OR WASTE ARE HANDLED OR STORED: ADDRESS _____ (STREET NO. / FULL STREET NAME) UNIT # _____

CITY _____ STATE _____ ZIP _____ UNIT TYPE _____

BUILDING NAMES _____
LIST THE NAMES OR NUMBERS OF ALL BUILDINGS AT THIS STREET ADDRESS WITH HAZARDOUS MATERIALS OR WASTE.

DOING BUSINESS AS (DBA) _____
ENTER FICTITIOUS NAME HERE, IF APPLICABLE

IN CARE OF _____ BUSINESS MAILING ADDRESS _____
P.O. BOX, STREET # AND NAME STATE ZIP

NAME OF BUSINESS OWNER MILDRED C. LARSEN PHONE 768-2209

NAME OF ON SITE MANAGER _____ PHONE _____

PRIMARY EMERGENCY CONTACT _____ EMERGENCY PHONE _____

ALTERNATE EMERGENCY CONTACT _____ EMERGENCY PHONE _____

NAME OF PROPERTY OWNER _____ MAILING ADDRESS _____

_____ STATE _____ ZIP _____ PHONE # _____

DESCRIBE THE NATURE OF YOUR BUSINESS (USE ADDITIONAL SHEET IF NECESSARY) _____

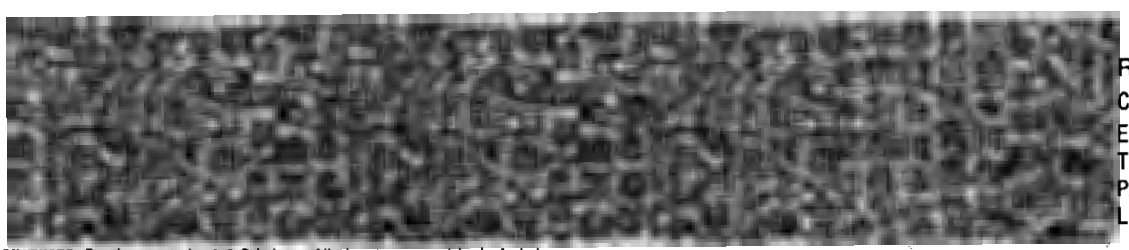
PERMIT INFORMATION:

REVIEW THE LIST OF AGENCY NAMES. IF YOUR BUSINESS HAS A PERMIT ISSUED BY ANY OF THEM FOR HAZARDOUS SUBSTANCES OR WASTE, GIVE THE PERMIT NUMBER.

APPROVED CERTIFICATE BP 451

		PERMIT NUMBER
A	L.A. FIRE DEPT. (FIRE PERMIT)	
B	L.A. BUREAU OF SANITATION (INDUSTRIAL WASTE)	
C	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	
D	STATE HEALTH SERVICES (RADIOACTIVE MAT'L LICENSE)	
E	L.A. COUNTY HEALTH DEPT. (GENERATORS HAZARDOUS WASTE)	
F	E.P.A. IDENTIFICATION NO. (GENERATORS HAZARDOUS WASTE)	
G	E.P.A. IDENTIFICATION NO. (HAZARDOUS WASTE HAULER)	
H	E.P.A. IDENTIFICATION NO. (HAZARDOUS WASTE FACILITY - TSD)	
I	REGIONAL WATER QUALITY CONTROL BOARD	
J	OTHER AGENCY, SPECIFY NAME _____	

FEE EXEMPTION: IF YOUR ESTABLISHMENT IS A GOVERNMENT AGENCY, CHECK HERE _____ GOVERNMENT AGENCIES MUST FILE AN APPLICATION FOR DISCLOSURE AND SUBMIT THE INVENTORY; HOWEVER, NO FEE IS REQUIRED.



REMIT TO:
CITY OF LOS ANGELES
ELIAS MARTINEZ, CITY CLERK
TAX AND PERMIT DIVISION
P.O. BOX 30626
LOS ANGELES, CA. 90030-0626

SIGNATURES: Read paragraphs A & B below. All signatures must be included.
PLEASE NOTE: IT IS UNLAWFUL FOR ANY PERSON TO KNOWINGLY VIOLATE ANY PROVISION OF THIS ORDINANCE.

A. I CERTIFY UNDER PENALTY OF PERJURY, THAT THE ABOVE INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.
I AGREE TO COMPLY WITH ALL REGULATIONS, LAWS AND ORDINANCES PERTAINING TO OR REGULATING THE ABOVE BUSINESS THAT ARE NOW IN EFFECT OR THAT MAY BE HEREAFTER ADOPTED.
IF THE CITY DETERMINES THAT NO CERTIFICATE AND/OR FEE IS REQUIRED, I AUTHORIZE THE CITY CLERK TO REFUND THE TOTAL PAYMENT. I UNDERSTAND THAT NO REFUND CAN BE MADE WITHOUT THE SIGNATURE.

SIGNATURE OF BUSINESS OWNER OR AUTHORIZED REPRESENTATIVE, TITLE DATE

SIGNATURE OF ON-SITE MANAGER TITLE DATE

SIGNATURE OF BUSINESS OWNER OR AUTHORIZED REPRESENTATIVE TITLE DATE

OFFICE USE ONLY ➡ MASTER CODE _____ DATE 8-4-87 LAFD SIGNATURE _____ DATE 5-29-87

WHERE TO START ON PARTS B & C - INVENTORIES

Step 1: Read the IMPORTANT NOTICE AND GENERAL INSTRUCTIONS ON PAGE 1:

Xerox extra copies of Parts B & C to use as worksheets and to ensure that you have enough forms to list all the business' hazardous substances.

Step 2: Gather Your Business Records:

A. INVENTORY RECORDS.
B. SALES RECEIPTS AND SHIPPING RECORDS. (Purchasing Agent).
C. MATERIALS SAFETY DATA SHEETS (MSDS's).
Gather MSDS's and use them to complete column 1 of the Hazardous Materials Inventory. State law requires you to maintain an MSDS for each hazardous substance on your business premises. They are available from chemical manufacturers or distributors.
D. UNIFORM HAZARDOUS WASTE MANIFESTS.
Use this document to complete column 7 of the Hazardous Waste Inventory. Manifests are used whenever hazardous wastes are transported off-site by a hazardous waste hauler.

Step 3: Inspect your business:

Conduct a thorough site inspection and make a detailed inventory of all the hazardous materials and wastes handled or stored by the business. Use your extra copies of the inventory forms as worksheets.

Consult with supervisors who can show you what hazardous materials or wastes they handle or store. Include all departments in the inspection to prevent overlooking any materials.

IMPORTANT: MAKE A SEPARATE INVENTORY FOR EACH BUILDING, OUTDOOR AREA AND HAZARDOUS MATERIALS ROOM. PUT HAZARDOUS MATERIALS ON PART B AND HAZARDOUS WASTES ON PART C.

Step 4: Complete Parts B & C:

After examining your records and conducting your inspection, please prepare the final copies of Parts B & C. Type or print neatly. Please use correct spelling. For assistance in completing these forms, refer to the examples below:

EXAMPLE: PART B HAZARDOUS MATERIALS INVENTORY (SEE PAGE 5 FOR TABLE 1)

COLUMN 1 FILL IN A & B FOR EACH HAZARDOUS MATERIAL OR HAZARDOUS MATERIAL MIXTURE. USE EXACT SPELLING. A. PRODUCT NAME OR COMMON NAME OF HAZARDOUS MATERIAL. B. CHEMICAL NAME AND PERCENT(%) CONCENTRATION OF ALL INGREDIENTS IN HAZARDOUS MATERIAL.	COLUMN 2 ESTIMATE MAXIMUM QUANTITY HANDLED OR STORED AT ANY TIME IN 1987 AT ABOVE LOCATION. INCLUDE UNITS. (i.e. LBS, GALLONS, etc.)	COLUMN 3 ESTIMATE TOTAL QUANTITY HANDLED OR STORED DURING 1987 AT ABOVE LOCATION, EVEN IF ONLY BRIEFLY. INCLUDE UNITS.	COLUMN 4 LIST ALL THE TYPES OF CONTAINERS USED TO STORE HAZARDOUS MATERIAL - USE TABLE 1.	COLUMN 5 ✓ IF YOU HAVE MATERIAL SAFETY DATA SHEET FOR THE HAZARDDUS MATERIAL
A. NAPHTHA SAFETY SOLVENT B. NONANE 85 % TRIMETHYL BENZENE 15 % % %	600 GALLONS	1800 GALLONS	B C I	✓

EXAMPLE: PART C HAZARDOUS WASTE INVENTORY (SEE PAGE 6 FOR TABLE 1 AND 2)

COLUMN 1 FILL IN A AND B FOR EACH HAZARDOUS WASTE OR HAZARDOUS WASTE MIXTURE. USE EXACT SPELLING. A. GIVE COMMON NAME OR DEPARTMENT OF TRANSPORTATION SHIPPING NAME (DOT) OF WASTE. B. GIVE CHEMICAL NAME AND PERCENT % CONCENTRATION OF ALL INGREDIENTS IN HAZARDOUS WASTE	COLUMN 2 ESTIMATE AVERAGE MONTHLY QUANTITY GENERATED IN 1987 AT ABOVE LOCATION. INCLUDE UNITS. (i.e. LBS, GALLONS)	COLUMN 3 ESTIMATE MAXIMUM QUANTITY HANDLED OR STORED AT ANY TIME IN 1987 AT ABOVE LOCATION. INCLUDE UNITS.	COLUMN 4 ESTIMATE TOTAL QUANTITY HANDLED OR STORED DURING 1987 AT ABOVE LOCATION, EVEN IF ONLY BRIEFLY. INCLUDE UNITS.	COLUMN 5 LIST ALL THE TYPES OF CONTAINERS USED TO STORE WASTE. USE TABLE 1 BELOW.	COLUMN 6 LIST ALL WASTE TREATMENT AND/OR DISPOSAL METHODS. USE TABLE 2 BELOW.	COLUMN 7 A. ✓ IF WASTE TREATED ON SITE. B. ✓ IF WASTE DISPOSED OF ON SITE. C. GIVE WASTE HAULER'S EPA I.D. NUMBER. ASK HAULER OR CONSULT WASTE MANIFEST.		
						A.	B.	C.
A. SPENT CARTRIDGE FILTERS B. PERCHLORDETHYLENE % % % %	25 Pounds	75 Pounds	300 Pounds	B	02	N.A.	N.A.	CAD 130422592

SAMPLE

PART B - 1987 HAZARDOUS MATERIALS INVENTORY 016350

INSTRUCTIONS: READ ALL THE INSTRUCTIONS BELOW AND ON PAGE 4. PHOTOCOPY EXTRA COPIES OF THIS FORM BEFORE COMPLETING IT. (REPORT HAZARDOUS WASTES ON REVERSE SIDE.)

1. COMPLETE A SEPARATE FORM FOR EACH BUILDING, OUTDOOR AREA, OR ROOM WHERE HAZARDOUS MATERIALS ARE LOCATED. USE BOX BELOW TO SPECIFY THE LOCATION OF THE HAZARDOUS MATERIALS LISTED ON THIS FORM. (HAZARDOUS WASTE ON PART C.)

LOCATION OF HAZARDOUS MATERIALS: COMPLETE ALL ITEMS IN BOX.
BUSINESS NAME: Iado Manufacturing Co., Inc. ADDRESS: 11400 Luddington St., Sun Valley
ROOM NAME OR NUMBER: Unit A BUILDING NAME OR NUMBER: None OUTDOOR AREA NAME OR NUMBER: None

2. COMPLETE COLUMNS 1-5 FOR EACH HAZARDOUS MATERIAL STORED OR HANDLED AT THE LOCATION SPECIFIED ABOVE, REGARDLESS OF THE QUANTITY. INCLUDE RAW MATERIALS, FINISHED CHEMICAL PRODUCTS, CHEMICALS MANUFACTURED OR REPACKAGED, AND CHEMICALS DISTRIBUTED. USE THE CODES IN TABLE 1 AT THE BOTTOM OF THIS FORM TO COMPLETE COLUMN 4.

3. RETURN COMPLETED INVENTORY AND APPLICATION IN ENCLOSED SELF-ADDRESSED ENVELOPE.

COLUMN 1 FILL IN A & B FOR EACH HAZARDOUS MATERIAL OR HAZARDOUS MATERIAL MIXTURE. USE EXACT SPELLING. A. PRODUCT NAME OR COMMON NAME OF HAZARDOUS MATERIAL. B. CHEMICAL NAME AND PERCENT(%) CONCENTRATION OF ALL INGREDIENTS IN HAZARDOUS MATERIAL.	COLUMN 2 ESTIMATE MAXIMUM QUANTITY HANDLED OR STORED AT ANY TIME IN 1987 AT ABOVE LOCATION. INCLUDE UNITS. (i.e. LBS, GALLONS, etc.)	COLUMN 3 ESTIMATE TOTAL QUANTITY HANDLED OR STORED DURING 1987 AT ABOVE LOCATION, EVEN IF ONLY BRIEFLY. INCLUDE UNITS.	COLUMN 4 LIST ALL THE TYPES OF CONTAINERS USED TO STORE HAZARDOUS MATERIAL - USE TABLE 1.	COLUMN 5 ✓ IF YOU HAVE MATERIAL SAFETY DATA SHEET FOR THE HAZARDOUS MATERIAL
A. AC-20 B. Borax Cleaning ~~xxxxxxxxxxxxxxxx~~ % 280 Gallons WaterSolution %	300# Drum 105#	300# Drum	B D	✓
A. DX-34 B. Non-Chromated, Granular % Desnutter % 280 Gallons Water Solution %	400# Drum 140#	400# Drum	B D	✓
A. CH-90 B. Sodium Hydroxide-Caustic soda % 280 Gallons Water Solution %	500# Drum 52.5#	500# Drum	B D	✓
A. B. %				
A. B. %				
A. B. %				

TABLE 1 STORAGE CONTAINER TYPES. (LIST ALL THAT APPLY)

- A = Metal Containers (<5 gallons)
- B = Drums, Barrels, Carboys
- C = Underground Tanks
- D = Aboveground Tanks
- E = Glass Containers
- F = Bags
- G = Boxes, Cartons, Cases
- H = Sump or Pit
- I = Industrial Processing Equipment
- J = Compressed Gas Cylinders
- K = Compressed Gas Manifold
- L = Pressure Vessel - Not portable
- M = Tank Car/Trailer
- N = Sealed Source (radioactive material)
- O = Unsealed Source (radioactive material)
- P = Other container type, specify

OFFICE USE ONLY

INSP. ID _____ DATA ENTRY ID _____
INSP INIT _____ DATA ENTRY INIT _____
DATE _____ DATE _____

INSTRUCTIONS: READ ALL THE INSTRUCTIONS BELOW AND ON PAGE 4. PHOTOCOPY EXTRA COPIES OF THIS FORM BEFORE COMPLETING IT. (REPORT HAZARDOUS MATERIALS ON REVERSE SIDE.)

1. COMPLETE A SEPARATE FORM FOR EVERY BUILDING, OUTDOOR AREA, OR ROOM WHERE HAZARDOUS WASTES ARE LOCATED. USE THE BOX BELOW TO SPECIFY THE LOCATION OF THE HAZARDOUS WASTES LISTED ON THIS FORM.

LOCATION OF HAZARDOUS WASTE:
BUSINESS NAME Lado Manufacturing Company, Inc. ADDRESS 11400 Luddington Street, Sun Valley, Calif. 91352
ROOM NAME OR NUMBER Unit A BUILDING NAME OR NUMBER _____ OUTDOOR AREA NAME OR NUMBER _____

2. COMPLETE COLUMNS 1-7 FOR EACH HAZARDOUS WASTE GENERATED, STORED OR HANDLED AT THE LOCATION SPECIFIED ABOVE, REGARDLESS OF THE QUANTITY. USE THE CODES IN TABLE 1 & 2 AT THE BOTTOM OF THIS FORM TO COMPLETE COLUMNS 5 AND 6. PLACE THE INITIALS N.A. IN ANY COLUMN THAT DOES NOT APPLY TO THE BUSINESS.

3. RETURN COMPLETED INVENTORY AND APPLICATION IN ENCLOSED SELF-ADDRESSED ENVELOPE.

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6	COLUMN 7 A.	COLUMN 7 B.	COLUMN 7 C.
FILL IN A AND B FOR EACH HAZARDOUS WASTE OR HAZARDOUS WASTE MIXTURE. USE EXACT SPELLING. A. GIVE COMMON NAME OR DEPARTMENT OF TRANSPORTATION SHIPPING NAME (DOT) OF WASTE. B. GIVE CHEMICAL NAME AND PERCENT % CONCENTRATION OF ALL INGREDIENTS IN HAZARDOUS WASTE.	ESTIMATE AVERAGE MONTHLY QUANTITY GENERATED IN 1987 AT ABOVE LOCATION. INCLUDE UNITS. (i.e. LBS, GALLONS)	ESTIMATE MAXIMUM QUANTITY HANDLED OR STORED AT ANY TIME IN 1987 AT ABOVE LOCATION. INCLUDE UNITS.	ESTIMATE TOTAL QUANTITY HANDLED OR STORED DURING 1987 AT ABOVE LOCATION, EVEN IF ONLY BRIEFLY. INCLUDE UNITS.	LIST ALL THE TYPES OF CONTAINERS USED TO STORE WASTE. USE TABLE 1 BELOW.	LIST ALL WASTE TREATMENT AND/OR DISPOSAL METHODS. USE TABLE 2 BELOW.	A. ✓ IF WASTE TREATED ON SITE. B. ✓ IF WASTE DISPOSED OF ON SITE. C. GIVE WASTE HAULER'S EPA I.D. NUMBER. ASK HAULER OR CONSULT WASTE MANIFEST.		
A. ~~Borax Cleaning AC-20~~				B	~~01~~			CAX0000 94565
B. ~~Borax Cleaning~~ %								
~~XXXXXXXXXXXX~~ %					27			
Kings Metal and Drum %								
Clarifier Sludge-50% %								
Solidifaction media-50%-Traces of heavy metal								
A. AC-20								~~CAX0000~~ ~~94565~~
B. Borax Cleaning %				C	01			
%								
%								
%								
A. DX-34				C	01			~~CAX0000~~ ~~94565~~
B. Non-Chromated, Granular Desmutter %								
%								
%								
%								
A. CH-90				C	01			
B. Sodium Hydroxide- %								
Caustic soda %	58.64#	703.75#	703.75#					
%	Includes all above AC-20,							
%	DX-34 and CH-90 with water.							

TABLE 1: STORAGE CONTAINER TYPES. List all that apply.

A = Metal Containers (<5 gallons)
B = Drums, Barrels, Carboys
C = Underground Tanks
D = Aboveground Tanks
E = Glass Containers
F = Bags
G = Boxes, Cartons, Cases
H = Sump or Pit
I = Industrial Processing Equipment
J = Compressed Gas Cylinders
K = Compressed Gas Manifold
L = Pressure Vessel - Not portable
M = Tank Car/Trailer
N = Sealed Source (radioactive material)
O = Unsealed Source (radioactive material)
P = Other container type, specify

TABLE 2 - TREATMENT & DISPOSAL TYPES List all that apply.

Treatment Types
01 = Sewer, with clarifier or treatment
02 = Recycle
03 = Incineration
04 = Neutralization
05 = Filtration
06 = Stabilization Pond
07 = Treatment Pond

Disposal Types
20 = Sewer, without clarifier or treatment
21 = Ground around business
22 = Trash or garbage
23 = Air, released during processing
24 = Waterway, except ocean
25 = Storm drain
26 = Injection well
27 = Hazardous waste landfill
28 = Land application
29 = Ocean disposal
30 = Surface Impoundment
31 = Transfer Station

OFFICE USE ONLY
INSP. ID _____ DATA ENTRY ID _____
INSP. INIT _____ DATA ENTRY INIT _____
DATE _____ DATE _____

BUSINESS PLAN HAZARDOUS MATERIALS INVENTORY (BP-2) DATE: 1-4-88 LAFD #: 016338-001-5 PAGE 1 OF 1

INSTRUCTIONS: READ ALL THE INSTRUCTIONS BELOW AND PHOTOCOPY EXTRA COPIES OF THIS FORM BEFORE COMPLETING IT. (DO NOT REPORT HAZARDOUS WASTE ON THIS FORM)

1. COMPLETE A SEPARATE FORM FOR EACH BUILDING, OUTDOOR AREA, UNDERGROUND TANK OR ROOM WHERE HAZARDOUS MATERIALS ARE LOCATED. USE BOX BELOW TO SPECIFY THE LOCATION OF THE HAZARDOUS MATERIALS LISTED ON THIS FORM.

LOCATION OF HAZARDOUS MATERIALS: COMPLETE ALL ITEMS IN BOX

BUSINESS NAME: Lado Mfg. Co., Inc. ADDRESS: 11400 Luddington St.,Unit A, Sun Valley

ROOM NAME OR NUMBER: _____ BUILDING NAME, OUTDOOR AREA, OR UNDERGROUND TANK NUMBER _____

2. WHEN SUBMITTING A BUSINESS PLAN INVENTORY, ONLY INCLUDE HAZARDOUS MATERIALS HANDLED OR STORED IN AMOUNTS TOTALING 55 GALLONS, 500 POUNDS, 200 CUBIC FEET, OR MORE, AND NOT PRE-PACKAGED FOR DIRECT DISTRIBUTION TO, AND USE BY, THE GENERAL PUBLIC. COMPLETE ITEMS 1-10 FOR EACH HAZARDOUS MATERIAL STORED OR HANDLED AT THE LOCATION SPECIFIED ABOVE. INCLUDE RAW MATERIALS, FINISHED CHEMICAL PRODUCTS, AND CHEMICALS MANUFACTURED OR REPACKAGED. USE THE ENCLOSED TABLE OF CODES FOR ITEMS 4, 5, and 7.

ADDITIONAL INSTRUCTIONS: ITEM 1: ENTER PRODUCT NAME. ITEM 2: ENTER MAXIMUM QUANTITY HANDLED OR STORED AT ANY ONE TIME AT THE ABOVE LOCATION; INCLUDE UNITS (POUNDS, GALLONS, CUBIC FEET). ITEM 3: ENTER TOTAL YEARLY QUANTITY HANDLED OR STORED AT THE ABOVE LOCATION; INCLUDE UNITS (POUNDS, GALLONS, CUBIC FEET). ITEM 4: ENTER ALL TYPES OF CONTAINERS USED TO STORE THE PRODUCT (USE TABLE 1) ITEM 5: ENTER ALL THE HEALTH AND PHYSICAL HAZARD CODES THAT APPLY TO EACH PRODUCT (USE TABLE 2). ITEM 6: ENTER THE PHYSICAL STATE OF THE PRODUCT (S = SOLID, L = LIQUID, G = GAS). ITEM 7: ENTER THE ONE HAZARD CLASS THAT APPLIES TO THE PRODUCT (USE TABLE 3). ITEM 8: (X) THIS ITEM IF PRODUCT OR ANY INGREDIENT IS EXTEREMLY HAZARDOUS. ITEM 9: ENTER INGREDIENTS AND PERCENT OF CONCENTRATION. ITEM 10: ENTER THE CAS (CHEMICAL ABSTRACT SERVICE) NUMBERS FOR EACH HAZARDOUS INGREDIENT.

****

-1- CHEMICAL OR PRODUCT NAME: Sodium Hydroxide Base (Caustic)

-2- MAXIMUM QUANTITY ANY TIME	-3- TOTAL YEARLY QUANTITY	-4- STORAGE TYPES table 1	-5- HEALTH & PHYSICAL HAZARDS table 2	-6- PHYS. STATE	-7- HAZARD CLASS table 3	-8- (X) EXTREMELY HAZARDOUS
400 Gals 4-8 Oz. of Caustic to 1 Gal Water	400 Gals	D	1 X 2 3 4 5	S L X G	2A	

-9- HAZARDOUS CHEMICAL INGREDIENTS & PERCENTAGE OF EACH		-10- CAS NUMBERS OF EACH INGREDIENT
Sodium Hydroxide Base	9 %	1310732
Water	91 %	
	%	
	%	
	%	
	%	

****

-1- CHEMICAL OR PRODUCT NAME: Acid

-2- MAXIMUM QUANTITY ANY TIME	-3- TOTAL YEARLY QUANTITY	-4- STORAGE TYPES table 1	-5- HEALTH & PHYSICAL HAZARDS table 2	-6- PHYS. STATE	-7- HAZARD CLASS table 3	-8- (X) EXTREMELY HAZARDOUS
400 Gals	400 Gals	D	1 X 2 3 4 5	S L X G	3B	

-9- HAZARDOUS CHEMICAL INGREDIENTS & PERCENTAGE OF EACH		-10- CAS NUMBERS OF EACH INGREDIENT
Acid	16%	7632000
Water	84%	
	%	
	%	
	%	
	%	

FOR OFFICE USE ONLY: INSP. ID _____ INSP. INT. _____ DATE _____ DATA ENTRY ID _____ DATA ENTRY INIT N S DATE 3-23-88

BUSINESS PLAN HAZARDOUS MATERIALS INVENTORY (BP-2) Date: 1-4-88 LAFD #: 016338-001-5 PAGE ____ OF ____

INSTRUCTIONS: READ ALL THE INSTRUCTIONS ON THE FRONT SIDE AND PHOTOCOPY EXTRA COPIES OF THIS FORM BEFORE COMPLETING IT. (DO NOT REPORT HAZARDOUS WASTE ON THIS FORM). COMPLETE A SEPARATE FORM FOR EACH BUILDING, OUTDOOR AREA, OR ROOM WHERE HAZARDOUS MATERIALS ARE LOCATED. USE BOX BELOW TO SPECIFY THE LOCATION OF THE HAZARDOUS MATERIALS LISTED ON THIS FORM.

LOCATION OF HAZARDOUS MATERIALS: COMPLETE ALL ITEMS IN BOX

BUSINESS NAME: _____ ADDRESS _____

ROOM NAME OR NUMBER : _____ BUILDING NAME, OUTDOOR AREA, OR UNDERGROUND TANK NUMBER _____

****

-1- CHEMICAL OR PRODUCT NAME	-2- MAXIMUM QUANTITY ANY TIME	-3- TOTAL YEARLY QUANTITY	-4- STORAGE TYPES table 1	-5- HEALTH & PHYSICAL HAZARDS table 2	-6- PHYS. STATE	-7- HAZARD CLASS table 3	-8- (X) EXTREMELY HAZARDOUS	-9- HAZARDOUS CHEMICAL INGREDIENTS & PERCENTAGE OF EACH	-10- CAS NUMBERS OF EACH INGREDIENT
			____	1___	S___			_____ %	
			____	2___	L___	____	____	_____ %	
			____	3___				_____ %	
			____	4___	G___			_____ %	
				5				%	

****

-1- CHEMICAL OR PRODUCT NAME	-2- MAXIMUM QUANTITY ANY TIME	-3- TOTAL YEARLY QUANTITY	-4- STORAGE TYPES table 1	-5- HEALTH & PHYSICAL HAZARDS table 2	-6- PHYS. STATE	-7- HAZARD CLASS table 3	-8- (X) EXTREMELY HAZARDOUS	-9- HAZARDOUS CHEMICAL INGREDIENTS & PERCENTAGE OF EACH	-10- CAS NUMBERS OF EACH INGREDIENT
			____	1___	S___			_____ %	
			____	2___	L___	____	____	_____ %	
			____	3___				_____ %	
			____	4___	G___			_____ %	
				5				%	

****

-1- CHEMICAL OR PRODUCT NAME	-2- MAXIMUM QUANTITY ANY TIME	-3- TOTAL YEARLY QUANTITY	-4- STORAGE TYPES table 1	-5- HEALTH & PHYSICAL HAZARDS table 2	-6- PHYS. STATE	-7- HAZARD CLASS table 3	-8- (X) EXTREMELY HAZARDOUS	-9- HAZARDOUS CHEMICAL INGREDIENTS & PERCENTAGE OF EACH	-10- CAS NUMBERS OF EACH INGREDIENT
			____	1___	S___			_____ %	
			____	2___	L___	____	____	_____ %	
			____	3___				_____ %	
			____	4___	G___			_____ %	
				5				%	

FOR OFFICE USE ONLY: INSP. ID_____ INSP. INT._____ DATE_____ DATA ENTRY ID _____ DATA ENTRY INIT_____ DATE_____

BUSINESS PLAN HAZARDOUS WASTE INVENTORY (BP-3) Date: 1-4-88 LAFD #: 016338-001-5 PAGE 1 OF 1

INSTRUCTIONS: READ THE INSTRUCTIONS BELOW AND PHOTOCOPY EXTRA COPIES OF THIS FORM BEFORE COMPLETING IT. (DO NOT REPORT HAZARDOUS MATERIALS ON THIS FORM)

1. COMPLETE A SEPARATE FORM FOR EACH BUILDING, OUTDOOR AREA, UNDERGROUND TANK OR ROOM WHERE HAZARDOUS WASTES ARE LOCATED. USE THE BOX BELOW TO SPECIFY THE LOCATION OF THE HAZARDOUS WASTES LISTED ON THIS FORM.

LOCATION OF HAZARDOUS WASTE: COMPLETE ALL ITEMS IN BOX

BUSINESS NAME: Lado Mfg. Co., Inc. ADDRESS: 11400 Luddington St.,Unit A, Sun Valley 91352

ROOM NAME OR NUMBER: _____ BUILDING NAME, OUTDOOR AREA, OR UNDERGROUND TANK NUMBER _____

2. IMPORTANT NOTICE: WHEN SUBMITTING A **BUSINESS PLAN INVENTORY**, ONLY INCLUDE HAZARDOUS WASTES HANDLED OR STORED IN AMOUNTS TOTALING 55 GALLONS, 500 POUNDS, 200 CUBIC FEET, OR MORE, AND NOT PREPACKAGED FOR DIRECT DISTRIBUTION TO, AND USE BY, THE GENERAL PUBLIC. COMPLETE ITEMS 1-10 FOR EACH HAZARDOUS WASTE HANDLED OR STORED AT THE LOCATION SPECIFIED ABOVE. USE THE CODES ON THE ENCLOSED TABLE OF CODES TO FILL IN ITEMS 4, 5, AND 7. FOR ITEM 6 USE TABLE III ON THE BACK OF YOUR UNIFORM HAZARDOUS WASTE MANIFEST.

ADDITIONAL INSTRUCTIONS: ITEM 1: ENTER HAZARDOUS WASTE NAME. ITEM 2: ENTER THE MAXIMUM QUANTITY HANDELED OR STORED AT ANY ONE TIME AT THE ABOVE LOCATION; INCLUDE UNITS (POUNDS, GALLONS, CUBIC FEET). ITEM 3: ENTER TOTAL YEARLY QUANTITY HANDELED OR STORED AT THE ABOVE LOCATION; INCLUDE UNITS (POUNDS, GALLONS, CUBIC FEET). ITEM 4: LIST ALL TYPES OF CONTAINERS USED TO STORE THE WASTE (USE TABLE 1). ITEM 5: USE ALL TREATMENT AND DISPOSAL METHODS THAT APPLY (USE TABLE 4). ITEM 6: ENTER THE HAZARDOUS WASTE CODE USED ON YOUR HAZARDOUS WASTE MANIFEST (TABLE III ON THE BACK OF THE MANIFEST). ITEM 7: ENTER THE ONE HAZARD CLASS THAT APPLIES TO THE WASTE (USE TABLE 3). ITEM 8: (X) THIS ITEM IF THE WASTE OR ANY INGREDIENT IS EXTREMELY HAZARDOUS. ITEM 9: ENTER HAZARDOUS INGREDIENTS AND PERCENT OF CONCENTRATION. ITEM 10: ENTER THE CAS (CHEMICAL ABSTRACT SERVICE) NUMBER FOR EACH HAZARDOUS INGREDIENT.

-1- HAZARDOUS WASTE NAME	-2- MAXIMUM QUANTITY ANY TIME	-3- TOTAL YEARLY QUANTITY	-4- STORAGE TYPES table 1	-5- TREAT &. DISPOSAL table 4	-6- WASTE CODE	-7- HAZARD CLASS table 3	-8- (X) EXTREMELY HAZARDOUS
Sludge	400 Gals	400 Gals	C	01	03	1C	

-9- HAZARDOUS CHEMICAL INGREDIENTS & PERCENTAGE OF EACH		-10- CAS NUMBERS OF EACH INGREDIENT
Sodium Hydroxide Base	4.5%	1310732
Water	87.5%	
Acid	8%	7632000
	%	
	%	
	%	

-1- HAZARDOUS WASTE NAME	-2- MAXIMUM QUANTITY ANY TIME	-3- TOTAL YEARLY QUANTITY	-4- STORAGE TYPES table 1	-5- TREAT &. DISPOSAL table 4	-6- WASTE CODE	-7- HAZARD CLASS table 3	-8- (X) EXTREMELY HAZARDOUS

-9- HAZARDOUS CHEMICAL INGREDIENTS & PERCENTAGE OF EACH		-10- CAS NUMBERS OF EACH INGREDIENT
	%	
	%	
	%	
	%	
	%	
	%	

FOR OFFICE USE ONLY: INSP. ID _____ INSP. INIT _____ DATE _____ DATA ENTRY ID _____ DATA ENTRY INIT AS DATE 3-23-88

BUSINESS PLAN HAZARDOUS WASTE INVENTORY (BP-3) Date: _____ LAFD #: _____ PAGE ____ OF ____

INSTRUCTIONS: READ ALL THE INSTRUCTIONS ON THE REVERSE SIDE AND PHOTOCOPY EXTRA COPIES OF THIS FORM BEFORE COMPLETING IT. (DO NOT REPORT HAZARDOUS MATERIALS ON THIS FORM). COMPLETE A SEPARATE FORM FOR EACH BUILDING, OUTDOOR AREA, UNDERGROUND TANK OR ROOM WHERE HAZARDOUS WASTES ARE LOCATED. USE THE BOX BELOW TO SPECIFY THE LOCATION OF THE HAZARDOUS WASTES LISTED ON THIS FORM.

LOCATION OF HAZARDOUS WASTE: COMPLETE ALL ITEMS IN BOX

BUSINESS NAME: _____ ADDRESS: _____

ROOM NAME OR NUMBER: _____ BUILDING NAME, OUTDOOR AREA, OR UNDERGROUND TANK NUMBER _____

-1- HAZARDOUS WASTE NAME

-2- MAXIMUM QUANTITY ANY TIME	-3- TOTAL YEARLY QUANTITY	-4- STORAGE TYPES table 1	-5- TREAT &. DISPOSAL table 4	-6- WASTE CODE	-7- HAZARD CLASS table 3	-8- (X) EXTREMELY HAZARDOUS
		____				
		____	____	____	____	____
		____				

-9- HAZARDOUS CHEMICAL INGREDIENTS & PERCENTAGE OF EACH

		-10- CAS NUMBERS OF EACH INGREDIENT
_____	%	_____
_____	%	_____
_____	%	_____
_____	%	_____
_____	%	_____
	%	

-1- HAZARDOUS WASTE NAME

-2- MAXIMUM QUANTITY ANY TIME	-3- TOTAL YEARLY QUANTITY	-4- STORAGE TYPES table 1	-5- TREAT &. DISPOSAL table 4	-6- WASTE CODE	-7- HAZARD CLASS table 3	-8- (X) EXTREHELY HAZARDOUS
		____				
		____	____	____	____	____
		____				

-9- HAZARDOUS CHEMICAL INGREDIENTS & PERCENTAGE OF EACH

		-10- CAS NUMBERS OF EACH INGREDIENT
_____	%	_____
_____	%	_____
_____	%	_____
_____	%	_____
_____	%	_____
	%	

-1- HAZARDOUS WASTE NAME

-2- MAXIMUM QUANTITY ANY TIME	-3- TOTAL YEARLY QUANTITY	-4- STORAGE TYPES table 1	-5- TREAT &. DISPOSAL table 4	-6- WASTE CODE	-7- HAZARD CLASS table 3	-8- (X) EXTREMELY HAZARDOUS
		____				
		____	____	____	____	____
		____				

-9- HAZARDOUS CHEMICAL INGREDIENTS & PERCENTAGE OF EACH

		-10- CAS NUMBERS OF EACH INGREDIENT
_____	%	_____
_____	%	_____
_____	%	_____
_____	%	_____
_____	%	_____
	%	

FOR OFFICE USE ONLY: INSP. ID_____ INSP. INIT _____ DATE_____ DATA ENTRY ID_____ DATA ENTRY INIT_____ DATE_____

BUSINESS INFORMATION

INSTRUCTIONS: Please complete and sign this form; your signature indicates that the information, as supplied is accurate.

Business Plan Number: 001208-9 THIS IS YOUR CURRENT BUSINESS PLAN NUMBER. THIS NUMBER MUST APPEAR ON ALL BUSINESS PLAN FORMS!

Business Name: LADO MANUFACTURING CO INC

Address Where Business Is Conducted: 11400 LUDDINGTON ST

LOS ANGELES CA 91352

Other On-Site Addresses: _____

Legal Business Owner Name: MILDRED C LARSEN WORK PHONE NUMBER (818) 768-2209

On-Site Manager: BRIAN C LARSEN (818) 768-2209

EMERGENCY PHONE NUMBER (24-HOUR)

Emergency Contact: MILDRED E LARSEN _____

Alternate Emergency Contact: BRIAN C LARSEN _____

Standard Industrial Classification (SIC) Code of Business: 3471

Dun & Bradstreet Number: _ _-_ _ _-_ _ _ _

MAILING ADDRESS: 11400 LUDDINGTON ST UNIT A

SUN VALLEY CA 91352

Briefly describe the nature of the hazardous materials operations:

Number of Employees: 7 Square Footage of Facility: 4,700

Signature of Legal Business Owner/Authorized Representative | Pres. Title | 6-22-93 Date

****

Office Use Only Insp. I.D.: L26 Date: 6-22-93 D/E I.D.: MY Date: 8-2-93 TS: _____

BUSINESS INFORMATION

INSTRUCTIONS: Please complete and sign this form; your signature indicates that the information, as supplied is accurate.

Business Plan Number: 001208-9 THIS IS YOUR CURRENT BUSINESS PLAN NUMBER.
THIS NUMBER MUST APPEAR ON ALL BUSINESS PLAN FORMS!

Business Name: LADO MANUFACTURING CO INC

Address Where Business Is Conducted: 11400 LUDDINGTON ST

LOS ANGELES CA 91352

Other On-Site Addresses: _____

_____

_____

_____

Legal Business Owner Name: MILDRED C LARSEN — WORK PHONE NUMBER (818) 768-2209

On-Site Manager: BRIAN C LARSEN — (818) 768-2209

EMERGENCY PHONE NUMBER (24-HOUR)

Emergency Contact: MILDRED E LARSEN — _____

Alternate Emergency Contact: BRIAN C LARSEN — _____

Standard Industrial Classification (SIC) Code of Business: 3471

Dun & Bradstreet Number: _ _-_ _ _-_ _ _ _

MAILING ADDRESS: 11400 LUDDINGTON ST UNIT A

SUN VALLEY CA 91352

Briefly describe the nature of the hazardous materials operations:

_____

_____

Number of Employees: 7 Square Footage of Facility: 4,700

Mildred E Larsen — President Sec.-Trea. — 5-10-93

Signature of Legal Business Owner/Authorized Representative — Title — Date

****

Office Use Only Insp. I.D.:_____ Date:_____ D/E I.D.:_____ Date:_____ TS:_____

001208

BUSINESS INFORMATION (BP-1)

INSTRUCTIONS: The information below was submitted by your business to the Los Angeles City Fire Department. Review all the information and make any necessary changes to update your record. Cross out any information that is incorrect and insert the correct or missing information in the space provided. Sign the bottom of this form. Your signature indicates that this information is accurate as corrected by you.

LAFD Number: 016338-001-5 THIS IS YOUR CURRENT LAFD ACCOUNT NUMBER. THIS NUMBER MUST APPEAR ON ALL BUSINESS PLAN FORMS!

Address Where Business Is Conducted: 11400 LUDDINGTON ST Zip Code: 91352

Unit Type: Building Unit Number: A

(Examples of Unit Types: apartment, bay, building, berth, basement, dock, floor, foyer, gate, hangar, loft, level, mezzanine, office, pad, penthouse, pier, roof, room, runway, stage, shop, slip, space, stall, suite, terminal, track, unit.)

		WORK PHONE NUMBER
Business Owner Name:	MILDRED C LARSEN	(818) 768-2209
On-Site Manager:	BRIAN C LARSEN	(818) 768-2209
		EMERGENCY PHONE NUMBER (24-HOUR)
Emergency Contact:	MILDRED E LARSEN	
Alternate Emergency Contact:	BRIAN C LARSEN	

Standard Industrial Classification (SIC) Code of Business: 3479

Below is your mailing address. Please make corrections on the space provided to the left.

LADO MANUFACTURING CO INC
11400 LUDDINGTON ST
UNIT A
SUN VALLEY CA 91352

Describe the business operations that use or handle hazardous materials:

Light metal finishers - clean aluminum before welding.

Maximum number of employees: 7 Total square footage of facility: 4700

Signature of Business Owner or Authorized Representative | Title | Date 1-6-88

| Office Use Only | 902:____ Insp. I.D.: 445 Date: 10/20/20 D/E I.D.: BM Date: 3/14/88

JAN 0 8 1988

LAFD #: 016338-001-5

SHORT-FORM BUSINESS PLAN INDEX
BP-4

WHO MAY COMPLETE A SHORT-FORM BUSINESS PLAN?

Only a business fitting all the descriptions below may use the short-form business plan. All others must complete a Standard Business Plan Index (BP-5).

1. A business with less than 40,000 square feet (including building size and outside hazardous materials and hazardous waste areas).

2. A business occupying less than four stories.

3. A business that is not required to have a Division 4 Fire Permit for Hazardous Materials from the Los Angeles City Fire Department (as per Section 57.04.03 of the Los Angeles City Fire Code).

This form is to be used as a checklist for elements required to be WRITTEN INTO a Short From Business Plan. All elements must be submitted in the following order.

SHORT FORM BUSINESS PLAN REQUIRED ELEMENTS	ELEMENT ATTACHED AND COMPLETE – (BUSINESS TO INITIAL AND DATE)	PAGE No.	REVIEW FOR ADEQUACY OFFICIAL USE ONLY (INITIAL AND DATE)
1. BP-1 (BUSINESS INFORMATION).....	1-5-88	____	_____
2. BP-2 (BUSINESS PLAN HAZARDOUS MATERIALS INVENTORY).	4	____	_____
3. BP-3 (BUSINESS PLAN HAZARDOUS WASTE INVENTORY).....	4	____	_____
4. BP-4 (SHORT FORM BUSINESS PLAN INDEX).....	4	____	_____

IF YOUR BUSINESS QUALIFIES TO USE THE SHORT FORM BUSINESS PLAN:

Carefully complete this entire form. Type or print neatly using dark ink that will reproduce on a copy machine. Attach extra sheets as needed to answer the questions in the detail needed to describe the hazards at your business.

NOTIFICATION PROCEDURES - in the event of reportable hazardous materials or waste release or threatened release:

1. Will the State Office of Emergency Services, OES, (telephone number 1-800-852-7550 or 1-916-427-4341) immediately be notified? Check one: ___ yes X no.

2. Will local emergency response personnel immediately be notified by dialing 911? Check one: X yes ___ no. If business has an additional emergency response notification system, explain here.

3. How will people within the business facility who must respond to an incident be notified?
Shop manager is on site at all times and will be notified immediately by employees if a problem occurs.

4. How will immediate notification and evacuation of the business be done?
(Include a description of the steps needed to evacuate employees and/or residents of the area surrounding the business in the event of a spill or release).
The shop manager will notify all employees to exit building immediately and assemble in parking lot.

4a. Are all <u>new</u> employees who may be impacted trained on evacuation procedures? Check one: X yes ___no.

4b. Are all employees who may be impacted given <u>refresher training</u> on evacuation procedures?
Check one: X yes ___no.

<u>MEDICAL ASSISTANCE</u> - in the event of a reportable hazardous materials or waste release or threatened release:

5. List <u>all</u> local emergency medical facilities that will be used:
Name of emergency medical facility: Maximed
Address: 8100 Sunland Blvd., Sun Valley Phone: 818-768-8882
Name of emergency medical facility: _____
Address: _____ Phone: _____

<u>ADVANCED PREPARATION</u> - in the event of a reportable hazardous materials or waste release or threatened release:

6. MITIGATION (REDUCE THE HAZARD) - Describe what procedures will be followed to reduce any harm or damage to persons, property, or the environment.
A retaining wall surrounds tanks to trap any spill for later cleanup.

7. PREVENTION - Describe what action your business will take to prevent a hazardous materials or waste release from occurring.

Tanks are checked regularly for leaks and repaired if necessary.

8. ABATEMENT (STOP THE HAZARD): Describe what actions your business will take to stop any hazard caused by the release of a hazardous material or waste.

Any spill within retaining wall will be cleaned up. If it is not within retaining wall it will contained and cleaned up. If containment is not possible the proper emergency organizations will be immediately notified.

EMPLOYEE TRAINING

9. Describe the training new employees who work with hazardous materials or waste receive on safe handling.

Employees are instructed as to what protective clothing to wear while handling the material and how to handle the material safely. They are instructed to immediately notify the shop manager if a spill or accident occurs.

10. Describe the refresher training employees who work with hazardous materials or waste receive on safe handling.

Employees are refreshed on procedures on a periodic basis.

EMPLOYEE TRAINING

11. Describe how new employees are trained who are responsible for coordinating with local emergency response organizations.

They are instructed as to what emergency organizations should be notifed.

12. Describe the refresher training for employees who are responsible for coordinating with local emergency response organizations.

Employees are periodic updated on training.

13. Describe the training for new employees who are responsible for responding to a hazardous materials or waste release on the use of emergency response equipment and supplies.

Because of preventative precautions taken a threatening hazardous material release would be unusual. If it did occur appropriate emergency organizations would be notified.

14. Describe the refresher training for employees who are responsible for responding to a hazardous materials or waste release on the use of emergency response equipment and supplies.

See question 13.

SIGNATURE OF BUSINESS OWNER OR AUTHORIZED REPRESENTATIVE: _____ DATE: 1-6-88

Los Angeles City Unified Hazardous Waste and Hazardous Materials Management Program Application

Send the completed application packets within 30 days to:

Los Angeles City Fire Department
Technical Section, Data Management Unit
200 N. Main St., Room 970
Los Angeles, CA 90012

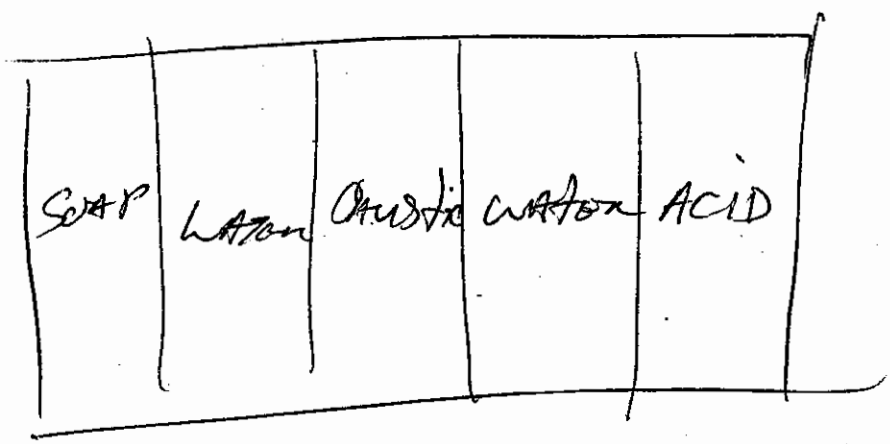
It is important that you keep a photocopy of the completed Unified Program packet on record at your place of business.

Application Review and Fees:
Your Unified Program application will be reviewed by Fire Department personnel. The classification codes for your business will be determined, and your fee will be computed based on the cost-recovery formulae established by the City Council. An invoice will be mailed to your mailing address. Additionally, an on-site verification inspection may be conducted. Mail a copy of the invoice along with your check payable to the "City of Los Angeles." After payment has been received, a Unified Program Permit, incorporating the applicable program elements, will be mailed to you business.

The Los Angeles City Fire Department recognizes that these laws and regulations place substantial burden upon the business community. Your Unified Program application packet is valuable, not only to the Los Angeles City Fire Department, but to you, your employees, and the community, in the prevention and mitigation, if necessary, of a hazardous materials incident at your facility.

Need Additional Information or Assistance?
Thank you for your cooperation. If you need additional information or require Trade Secret protection, please contact the Technical Section, Monday through Friday, 7:00 a.m. to 4:30 p.m. at 213-485-7477.

Jimmy H. Hill
Fire Marshal



Regulatory References:
City of Los Angeles Fire Code, Article 7 of Chapter V of the Los Angeles Municipal Code
California Health & Safety Code, Division 20, Chapters 6.5, 6.67, 6.7, 6.95, 5.11
California Code of Regulations, Title 19, Title 22, Title 24, Title 27

MAIL PAC INC

8430 Tujunga Avenue

Matthew Rodriquez
Secretary for
Environmental Protection

Department of Toxic Substances Control

Deborah O. Raphael, Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Edmund G. Brown Jr
Governor

Facility Search Results

Search Criteria:

Street: 8430
City: SUN VALLEY
Sorted By: EPAID,NAME

ID's Listed: 2

Address used in the search and displayed below is the Physical Address.

ID Number	Name	Address	City	Zip
CAD982473605	MAIL PAC INC	8430 TUJANGA AVE	SUN VALLEY	913520000
CAL913375134	MAIL-PAC INC	8430 TUJUNGA AVE	SUN VALLEY	913520000

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

Matthew Rodriquez
Secretary for
Environmental Protection

Department of Toxic Substances Control

Deborah O. Raphael, Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Edmund G. Brown Jr.
Governor

EPA ID PROFILE

ID Number: CAD982473605 **Name :** MAIL PAC INC

Status: INACTIVE **Inactive Date:** 06/30/2009 **Record Entered:** 06/15/1989 **Last Updated:** 07/02/2010

County: LOS ANGELES **NAICS:** **SIC:**

	Name	Address	City	State	Zip Code	Phone
Location	MAIL PAC INC	8430 TUJANGA AVE	SUN VALLEY	CA	913520000	
Mailing		4702 PARK ENCINO LN UNIT 325	ENCINO	CA	914363274	
Owner	MICHAEL VOS	8430 TUJUNGA AVE	SUN VALLEY	CA	913523934	0000000000
Operator/ Contact	MIKE MERA/PRINTING MANAGER	8430 TUJUNGA AVE	SUN VALLEY	CA	913523934	8187676900

Based ONLY upon ID Number **CAD982473605**

Calif. Manifests ?	Non Calif. Manifests ?	Transporter Registration ?
YES	NO	NO

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

RCRA Waste Code By Year Matrix Report

ID Number: CAD982473605

Entity Type: GENERATOR

Weight (in Tons)

RCRA Code	Description	*Ship Years* 2000	2001	2002
D001	Ignitable	**0.2501**	**0.4458**	**0.1877**
D039	Tetrachloroethylene		**0.0625**	
	Grand Total	**0.2501**	**0.5083**	**0.1877**

California Waste Code By Year Matrix

ID Number: CAD982473605

Entity Type : GENERATOR

Weight (in Tons)

Calif. Code	Description	Ship Years 2000	2001	2002
213	HYDROCARBON SOLVENTS		0.0625	
741	LIQ W/ HALOG ORGANIC COMP >= 1000 MG/L	0.2501	0.4458	0.1877
	Grand Total	**0.2501**	**0.5083**	**0.1877**

Calif. Manifest Counts and Total Tonnage

Top line represents Manifest Count and Bottom line represents Total Tonnage

	GENERATOR
2000	2 0.2501
2001	8 0.5083
2002	3 0.1877

Non California Manifest Total Tonnage

Waste Code By Year By Entity Matrix Report (based on California Manifests only)

Calif.	Generator	Transporter 1	Transporter 2	TSDF	Alt. TSDF
RCRA	Generator	Transporter 1	Transporter 2	TSDF	Alt. TSDF

MONOGRAM-GVI

8655 Tamarack Avenue

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF SANITATION
INDUSTRIAL WASTE CONTROL SECTION

APPLICATION FOR INDUSTRIAL WASTE PERMIT

(Submit in Duplicate)

PHONE 485-5856

W39056
W Number

1. Firm Name: MONOGRAM/GVI
2. Type of Business: Manufacture Aircraft Fasteners (213)767-7800 PHONE
3. Installation Address: 8655 Tamarack Ave., Sun Valley, Ca. 91352 (NUMBER & STREET) ZIP CODE
4. Mailing Address: 8655 Tamarack Ave., Sun Valley, Ca. 91352 (NUMBER & STREET) CITY STATE ZIP CODE
5. Processes Involved: Heat Treating, Degreasing, Hot Forging, Tumble Deburr.
6. Chemical and physical characteristics of waste discharge: No chemical discharge - water used for cooling only.
7. Name of Applicant or Representative of Firm: Norman McHaffie (PLEASE PRINT)

Signature: [signature] Date: 9-20-74

DO NOT WRITE BELOW THIS LINE

8. Size and location of sewer, S.D. or other: 8" vcc Tamarack Av.
9. Waste Processes: (72) ( ) ( ) ( ) ( ) Recirculated cooling, Hot
10. Required Treatment: (11) ( ) ( ) Recirculation
11. Required Treatment Facility: (21) ( ) ( ) Cooling Tower
12. Additional Information:

DO NOT WRITE IN THIS SPACE

New	✓
Revision	
Change of Ownership	
Sewer	1
S.D.	
Watercourse	
Other	
G.G.	
Seats	
Grease Trap	
Max. gpm	
Total gpd	750 g (estimate) 2
Sec. 64.30	✓
~~Summary~~	P.B. 020
Industrial Class	~~Testing~~ 072
Inspection Frequency	1 Yr
Date Entered	OCT 11 1974
District	2

13. Submitted by Inspector: K. L. Clarence Date:
14. Recommended by Senior Inspector: [signature] Date: OCT 11 1974
15. Approved by Principal Inspector: [signature] Date: 10-19-74
16. APPLICANT: A permit is issued subject to conditions shown hereon and is revocable at any time for non-compliance with the regulating provisions of the Los Angeles Municipal Code or any policy of the Board of Public Works adopted pursuant thereto.

MAIL TO: 2335 Dorris Place, Los Angeles, California 90031
(SEE ATTACHED SHEET FOR FEE SCHEDULE)

MOOREHOUSE ENGINEERING

8520 San Fernando Road

Matthew Rodriquez
Secretary for
Environmental Protection

Department of Toxic Substances Control

Deborah O. Raphael, Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Edmund G. Brown Jr.
Governor

EPA ID PROFILE

ID Number: CAL000013226 **Name :** MOREHOUSE ENGINEERING CO INC

Status: INACTIVE **Inactive Date:** 06/30/1995 **Record Entered:** 11/14/1989 **Last Updated:** 07/10/2001

County: LOS ANGELES **NAICS:** **SIC:**

	Name	Address	City	State	Zip Code	Phone
Location	MOREHOUSE ENGINEERING CO INC	8520 SAN FERNANDO ROAD	SUN VALLEY	CA	913520000	
Mailing		8520 SAN FERNANDO ROAD	SUN VALLEY	CA	913520000	
Owner	MOREHOUSE TIMOTHY	--	--	99	--	0000000000
Operator/ Contact	DEACT NON-DELIV. PER 95 FEES -	P.H.	--	99	--	--

Based ONLY upon ID Number **CAL000013226**

Calif. Manifests ?	Non Calif. Manifests ?	Transporter Registration ?
NO	NO	NO

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

PENROSE LANDFILL

Matthew Rodriquez
Secretary for
Environmental Protection

Department of Toxic Substances Control

Deborah O. Raphael, Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Edmund G. Brown Jr.
Governor

EPA ID PROFILE

ID Number: CAR000014134 **Name :** 8309 TUJUNGA AVENUE CORPORATION-PENROSE

Status: INACTIVE **Inactive Date:** 06/30/2007 **Record Entered:** 02/26/1997 **Last Updated:** 10/18/2007

County: LOS ANGELES **NAICS:** 221122 **SIC:** 4911

	Name	Address	City	State	Zip Code	Phone
Location	8309 TUJUNGA AVENUE CORPORATION-PENROSE	8301 TUJUNGA AVE	SUN VALLEY	CA	913520000	
Mailing		3900 KILROY AIRPORT WAY STE 1	LONG BEACH	CA	905050547	
Owner	NIBBI INC	3900 KILROY AIRPORT WAY STE 1	LONG BEACH	CA	905050547	5624269544
Operator/ Contact	WILLIAM SONG	3900 KILROY AIRPORT WAY STE 1	LONG BEACH	CA	905050547	5624269544

Based ONLY upon ID Number **CAR000014134**

Calif. Manifests ?	Non Calif. Manifests ?	Transporter Registration ?
YES	NO	NO

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS) However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced

Calif. Manifest Counts and Total Tonnage

Top line represents Manifest Count and Bottom line represents Total Tonnage

	GENERATOR
1996	4 29.1335
1997	4 66.1200
1998	8 76.4884
1999	19 112.7244
2000	15 51.1060
2001	30 253.6820
2002	118 1,735.5700
2003	26 123.1720
2004	24 79.1417
2005	2 5.9640
2007	1 0.4000

Non California Manifest Total Tonnage

Waste Code By Year By Entity Matrix Report
(based on California Manifests only)

Calif.	Generator	Transporter 1	Transporter 2	TSDF	Alt. TSDF
RCRA	Generator	Transporter 1	Transporter 2	TSDF	Alt. TSDF

California Waste Code By Year Matrix

ID Number: CAR000014134

Entity Type : GENERATOR

Weight (in Tons)

Ship Years

Calif. Code	Description	1996	1997	1998	1999	2000	2001
134	AQ SOL (2 < PH< 12.5) W ORG RESIDUES < 10%			13.0284	41.8194	0.9660	1.1130
135	UNSPECIFIED AQUEOUS SOLUTION (2 < PH < 12.5)					35.7000	
181	OTHER INORGANIC SOLID WASTE						
221	WASTE OIL AND MIXED OIL	28.8800	66.1200	63.4600	70.6800	14.4400	
222	OIL/WATER SEPARATION SLUDGE						
223	UNSPECIFIED OIL-CONTAINING WASTE						
331	OFF-SPEC, AGED, OR SURPLUS ORGANICS						176.5500
343	UNSPECIFIED ORGANIC LIQUID MIXTURE	0.0510					
352	OTHER ORGANIC SOLIDS	0.2025			0.2250		0.1250
741	LIQ W/ HALOG ORGANIC COMP >= 1000 MG/L						75.8940
	Grand Total	**29.1335**	**66.1200**	**76.4884**	**112.7244**	**51.1060**	**253.6820**

2002	2003	2004	2005	2007
0.6930	1.2600	1.4952	0.0840	
			5.8800	
	0.1250	0.6000		
	35.3400	45.9800		
	35.4450	31.0665		
17.0970	19.1820			
1690.4250	15.8400			
	15.9800			
0.2500				0.4000
27.1050				
1735.5700	123.1720	79.1417	5.9640	0.4000

RCRA Waste Code By Year Matrix Report

ID Number: CAR000014134

Entity Type: GENERATOR

Weight (in Tons)

RCRA Code	Description	*Ship Years*					
		1996	1997	1998	1999	2000	2001
	Blank/Unknown	**17.7335**	**66.1200**	**76.0600**	**111.2250**	**50.1400**	**176.6340**
D001	Ignitable	**11.4000**					**0.1250**
D006	Cadmium			**0.4284**			
D027	1,4-Dichloroben zene						**37.9470**
D039	Tetrachloroethyl ene				**1.4994**	**0.9660**	**1.0290**
F002	Halogenated solvents						**37.9470**
NONE	Blank/Unknown						
	Grand Total	**29.1335**	**66.1200**	**76.4884**	**112.7244**	**51.1060**	**253.6820**

2002	2003	2004	2005	2007
1698.6240	87.7070	32.5617	0.0840	0.4000
9.8410	10.3850	46.5800		
27.1050	25.0800			
			5.8800	
1735.5700	123.1720	79.1417	5.9640	0.4000

Matthew Rodriquez
Secretary for
Environmental Protection

Department of Toxic Substances Control

Deborah O. Raphael, Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Edmund G. Brown Jr.
Governor

EPA ID PROFILE

ID Number: CAL000306843 **Name :** PENROSE LANDFILL GAS CONVERSION LLC

Status: ACTIVE **Inactive Date:** **Record Entered:** 05/16/2006 **Last Updated:** 04/05/2010

County: LOS ANGELES **NAICS:** 99999 **SIC:** 9999

	Name	Address	City	State	Zip Code	Phone
Location	PENROSE LANDFILL GAS CONVERSION LLC	8301 TUJUNGA AVE	SUN VALLEY	CA	913523215	
Mailing		1412 N SAM HOUSTON PKWY E st	HOUSTON	TX	770320000	
Owner	PENROSE LANDFILL GAS CONVERSION LLC	1412 N SAM HOUSTON PKWY E #1	HOUSTON	TX	770320000	7137811126
Operator/ Contact	LUONG NGUYEN	1412 N SAM HOUSTON PKWY E #	HOUSTON	TX	770320000	7137811126

Based ONLY upon ID Number **CAL000306843**

Calif. Manifests ?	Non Calif. Manifests ?	Transporter Registration ?
YES	NO	NO

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

Calif. Manifest Counts and Total Tonnage

Top line represents Manifest Count and Bottom line represents Total Tonnage

	GENERATOR
2006	1 14.1780
2007	3 37.5300
2008	10 71.5180
2009	4 31.8590
2010	2 25.8540

Non California Manifest Total Tonnage

Waste Code By Year By Entity Matrix Report (based on California Manifests only)

Calif.	Generator	Transporter 1	Transporter 2	TSDF	Alt. TSDF
RCRA	Generator	Transporter 1	Transporter 2	TSDF	Alt. TSDF

California Waste Code By Year Matrix

ID Number: CAL000306843

Entity Type : GENERATOR

Weight (in Tons)

Ship Years

Calif. Code	Description	2006	2007	2008	2009	2010
134	AQ SOL (2 < PH< 12.5) W ORG RESIDUES < 10%				0.0840	
223	UNSPECIFIED OIL-CONTAINING WASTE	14.1780	37.5300	70.4730	31.2750	25.8540
352	OTHER ORGANIC SOLIDS			1.0450	0.5000	
	Grand Total	**14.1780**	**37.5300**	**71.5180**	**31.8590**	**25.8540**

RCRA Waste Code By Year Matrix Report

ID Number: CAL000306843

Entity Type: GENERATOR

Weight (in Tons)

Ship Years

RCRA Code	Description	2006	2007	2008	2009	2010
	Blank/Unknown	**14.1780**	**37.5300**	**71.5180**	**31.8590**	**25.8540**
	Grand Total	**14.1780**	**37.5300**	**71.5180**	**31.8590**	**25.8540**

Environmental Health Decisions

TECHNICAL MEMORANDUM

To: Mr. Robert McAllister
Los Angeles By-Products Company
10940 Portal Drive
Los Alamitos, CA 90720-3482

From: Jill Ryer-Powder, Ph.D., DABT, Environmental Health Decisions

Date: December 18, 2007

Re: Evaluation of Human Health Risks from Indoor Air Exposure at LA By-Product's Penrose, Newberry & Strathern Landfills, Tujunga Avenue, Sun Valley, California 91352

This report presents the results of a health risk evaluation conducted on behalf of LA Byproducts for the Penrose, Newberry, and Strathern Landfill sites. The objective of the work scope was to identify the potential risks associated with chemicals in groundwater below these landfills. Specifically, this report estimates potential cancer risks and noncancer hazards associated with the upward migration of vapors from chemicals in groundwater to future homes or buildings on the sites.

Groundwater sampling was conducted at the Landfills in the 4th quarter of 2006 and the 1st, 2nd, and 3rd quarters of 2007. Low concentrations of volatile chemicals were detected in the groundwater. The results of the groundwater sampling can be used to represent vapors from residual chemicals that may migrate upwards and into a home or building. It is possible that a hypothetical resident or indoor worker may be exposed to the vapors via inhalation. The purpose of this Technical Memorandum is to evaluate the potential for adverse health effects from inhalation of these vapors.

1.0 Background

Information regarding the concentrations of chemicals detected in groundwater at the Landfills was provided by Targhee, Inc. Environmental Consulting (Targhee). Targhee provided a map presenting concentrations of detected chemicals in groundwater monitoring wells MW-4918; MW-4918B; MW-4927l NW-4928C, and MW-4928A for the 4th quarter of 2006 and the first 3 quarters of 2007. The map contained information regarding depths to groundwater at each landfill. This data is used in the risk assessment evaluation.

The California Environmental Protection Agency's Department of Toxic Substances Control (DTSC) provides an environmental fate and transport model that can be used to estimate indoor air concentrations from chemicals in groundwater (CalEPA, 2005). This model is available on-line at www.dtsc.ca.gov. The model can also be used to estimate concentrations required such that exposures do not results in excceding an acceptable target cancer risk level of 1 in 1 million (1×10^{-6}, or 1E-06) and a target noncancer hazard index of 1. These concentrations are referred to as risk-based groundwater concentrations (RBCs). RBCs for each detected chemical are compared with the maximum detected concentration of each chemical to assess if target risk and/or cancer levels have been exceeded. The following paragraphs describe the input into the environmental fate and transport model and risk assessment and the results.

2.0 Methodology

Groundwater data from the samples taken from groundwater monitoring wells MW-4918; MW-4918B; MW-4927; MW-4928C, and MW-4928A in the 4th quarter of 2006 and the first 3 quarters of 2007 were used in this risk assessment. Groundwater monitoring wells MW-4918 and 4918B are located below the Penrose Landfill. Groundwater monitoring wells MW4927 and 4928C are located below the Newberry Landfill. Groundwater monitoring well MW-4928A is located below the Strathern Landfill. A summary of the groundwater monitoring results for each landfill is presented in Tables 1, 2, and 3, respectively.

DTSC's version of the Johnson and Ettinger Model was accessed via the internet. The minimum depth to groundwater for all of the monitoring wells (310 feet below ground surface, or 94.5 meters below ground surface) was input into the model. All other model parameters were assumed to be the same as the default values (e.g., soil type was sand; exposure duration was 30 years; exposure frequency was 350 days per year). The model was run for a residential scenario (i.e., assumes a home will be built above the monitoring well). The residential scenario is more conservative than the commercial building or outdoor industrial scenario. Therefore, results using the residential scenario will be adequate for the other scenarios. The model calculates the RBC necessary to obtain a

cancer risk of 1 in 1 million (1×10^{-6}) and a noncancer hazard index of 1. The model runs are presented in Attachment A.

3.0 Results

The results of the evaluation for the Penrose, Newberry, and Strathern Landfills are presented in Tables 1, 2, and 3 respectively. At presented in the tables, the RBCs for each detected chemical are well above the maximum concentrations of chemicals detected in the groundwater monitoring wells. Therefore, cancer risk is not expected to exceed 1×10^{-6} and the noncancer hazard index is not expected to exceed 1. DTSC's *Preliminary Endangerment Assessment Guidance Manual* (CalEPA, 1994) states *"In general, a risk estimation greater than 10-6 or a hazard index greater than 1 indicate the presence of contamination which may pose a significant threat to human health."* The results of this assessment show that cancer risks from vapor intrusion into indoor air from chemicals in groundwater for a hypothetical resident are insignificant. The noncancer hazard is also insignificant.

4.0 Conclusions

In conclusion, DTSC's environmental fate and transport model was run for each chemical detected in groundwater to estimate concentrations of chemicals that would result in indoor air exposures that would not exceed an acceptable cancer risk and noncancer hazard to a hypothetical resident. The results showed that, given the most recent information regarding groundwater concentrations, the cancer risk and noncancer hazard are less than California EPA's levels of concern for hypothetical residents.

5.0 References

California Environmental Protection Agency (CalEPA). 2007. *California Toxicity Criteria Database.* Maintained On-Line at www.oehha.org. Office of Health Hazard Assessment.

California Environmental Protection Agency (CalEPA). 2005. GW Screen – Version 3.0. DTSC Vapor Intrusion Guidance – Interim Final 12/04. Last modified 1/21/05. www.dtsc.ca.gov.

California Environmental Protection Agency (Cal EPA). 1994, reprinted in 1999. *Preliminary Endangerment Assessment Guidance Manual.* Department of Toxic Substances Control (DTSC). January.

Targhee, Inc. Environmental Consulting. 2007. Results of Groundwater Monitoring – Penrose, Newberry & Strathern Landfills, 8230 Tujunga Avenue, Sun Valley, California 91352. Draft documents, October, 2007.

TABLE 1: Penrose Landfill

		Concentration in Groundwater in micrograms per liter (ug/l)									
Chemical	Volatile?	MW-4918 4th 06	MW-4918 1st 07	MW-4918 2nd 07	MW-4918 3rd 07	MW-4918B 4th 06	MW-4918B 1st 07	MW-4918B 2nd 07	MW-4918B 3rd 07	Maximum Concentration	Risk-based Concentration
N-Nitrosodimethylamine	no	nd	nd	.84j	nd	.94j	nd	.54j	nd	.94j	ne
1,2,3 trichloropropane	yes	nd	nd	nd	nd	nd	.0017j	nd	0.026	0.026	16
1,4 Dioxane	no	<2	1.53j	nd	.46j	<2	5.18	17.7	24	24	ne
Perchlorate	no	2.2	nd	nd	nd	7.8	nd	nd	nd	7.8	ne
Hexavalent Chromium	no	nd	0.15j	0.24j	0.28j	nd	0.15j	0.24j	0.28j	0.28j	ne
Chlorobenzene	yes	nd	.32j	nd	.6j	4.8	2.8	3.3	4.2	4.8	420000
1,2-dichlorobenzene	yes	nd	nd	nd	nd	nd	.5j	.6j	.8j	0.8	175000
1,4-dichlorobenzene	yes	nd	nd	nd	.47j	nd	1.4	1.5	1.7	1.7	146
1,1-dichloroethene	yes	43.8	11.8	4.7	1.1	nd	.5j	nd	nd	43.8	3230
cis 1,2-dichloroethene	yes	2.1	2.6	2.2	3.8	25.2	10.8	15	19.1	25.2	1310
Tetrachloroethylene	yes	7.4	12.3	13.2	20.5	8.6	6.3	4.7	5.7	20.5	34
1,1,1 trichloroethane	yes	11	nd	nd	nd	nd	nd	nd	n	11	8370
Trichloroethylene	yes	12.6	8.6	5.2	4.9	35.8	36.6	37.1	39.7	39.7	162

nd - not detected

j - estimated concentration
ne - not evaluated because chemical is not volatile

TABLE 2: Newberry Landfill

		Groundwater Concentration in micrograms per liter (ug/l)									
Chemical	Volatile?	MW-4927 4th 06	MW-4927 1st 07	MW-4927 2nd 07	MW-4927 3rd 07	MW-4928c 4th 06	MW-4928c 1st 07	MW-4928c 2nd 07	MW-4928c 3rd 07	Maximum Concentration	R C
N-Nitrosodimethylamine	no	nd	0.78j	nd	nd	nd	nd	0.42j	nd	0.78j	
1,2,3 trichloropropane	yes	nd	nd	nd	nd	nd	nd	nd	nd	nd	
1,4 Dioxane	no	<2	nd	nd	nd	<2	nd	nd	0.55j	.55j	
Perchlorate	no	nd	nd	0.41j	nd	nd	1.4j	18	nd	18	
Hexavalent Chromium	no	nd	0.25j	nd	0.38j	0.51j	1.07	1.27	1.19	1.27	
Dichlorodifluoromethane	yes	nd	nd	nd	nd	18.3	nd	nd	nd	18.3	
1,1 Dichloroethane	yes	nd	nd	nd	nd	1.3	.82j	.7j	nd	0.8	
1,2 Dichloroethane	yes	nd	nd	nd	nd	nd	nd	nd	0.21	0.21	
Tetrachloroethylene	yes	1.7	1.8	1.4	1.5	7.48	10.3	8.7	11.9	11.9	
1,1,1 Trichloroethane	yes	nd	nd	nd	nd	nd	nd	nd	nd	nd	
Trichloroethylene	yes	nd	nd	nd	.24j	.21j	.26j	.2j	nd	0.24	

nd - not detected

j - estimated concentration

ne - not evaluated because chemical is not volatile

TABLE 1: Penrose Landfill

		Concentration in Groundwater in micrograms per liter (ug/l)									
Chemical	Volatile?	MW-4918 4th 06	MW-4918 1st 07	MW-4918 2nd 07	MW-4918 3rd 07	MW-4918B 4th 06	MW-4918B 1st 07	MW-4918B 2nd 07	MW-4918B 3rd 07	Maximum Concentration	Risk-based Concentration
N-Nitrosodimethylamine	no	nd	nd	.84j	nd	.94j	nd	.54j	nd	.94j	ne
1,2,3 trichloropropane	yes	nd	nd	nd	nd	nd	.0017j	nd	0.026	0.026	16
1,4 Dioxane	no	<2	1.53j	nd	.46j	<2	5.18	17.7	24	24	ne
Perchlorate	no	2.2	nd	nd	nd	7.8	nd	nd	nd	7.8	ne
Hexavalent Chromium	no	nd	0.15j	0.24j	0.28j	nd	0.15j	0.24j	0.28j	0.28j	ne
Chlorobenzene	yes	nd	.32j	nd	.6j	4.8	2.8	3.3	4.2	4.8	420000
1,2-dichlorobenzene	yes	nd	nd	nd	nd	nd	.5j	.6j	.8j	0.8	175000
1,4-dichlorobenzene	yes	nd	nd	nd	.47j	nd	1.4	1.5	1.7	1.7	146
1,1-dichloroethene	yes	43.8	11.8	4.7	1.1	nd	.5j	nd	nd	43.8	3230
cis 1,2-dichloroethene	yes	2.1	2.6	2.2	3.8	25.2	10.8	15	19.1	25.2	1310
Tetrachloroethylene	yes	7.4	12.3	13.2	20.5	8.6	6.3	4.7	5.7	20.5	34
1,1,1 trichloroethane	yes	11	nd	nd	nd	nd	nd	nd	n	11	8370
Trichloroethylene	yes	12.6	8.6	5.2	4.9	35.8	36.6	37.1	39.7	39.7	162

nd - not detected

j - estimated concentration
ne - not evaluated because chemical is not volatile

TABLE 2: Newberry Landfill

Chemical	Volatile?	Groundwater Concentration in micrograms per liter (ug/l)									
		MW-4927 4th 06	MW-4927 1st 07	MW-4927 2nd 07	MW-4927 3rd 07	MW-4928c 4th 06	MW-4928c 1st 07	MW-4928c 2nd 07	MW-4928c 3rd 07	Maximum Concentration	Risk-Ba Concen
N-Nitrosodimethylamine	no	nd	0.78j	nd	nd	nd	nd	0.42j	nd	0.78j	r
1,2,3 trichloropropane	yes	nd	nd	nd	nd	nd	nd	nd	nd	nd	
1,4 Dioxane	no	<2	nd	nd	nd	<2	nd	nd	0.55j	.55j	r
Perchlorate	no	nd	nd	0.41j	nd	nd	1.4j	18	nd	18	r
Hexavalent Chromium	no	nd	0.25j	nd	0.38j	0.51j	1.07	1.27	1.19	1.27	
Dichlorodifluoromethane	yes	nd	nd	nd	nd	18.3	nd	nd	nd	18.3	98
1,1 Dichloroethane	yes	nd	nd	nd	nd	1.3	.82j	.7j	nd	0.8	39
1,2 Dichloroethane	yes	nd	nd	nd	nd	nd	nd	nd	0.21	0.21	12
Tetrachloroethylene	yes	1.7	1.8	1.4	1.5	7.48	10.3	8.7	11.9	11.9	3
1,1,1 Trichloroethane	yes	nd	nd	nd	nd	nd	nd	nd	nd	nd	83
Trichloroethylene	yes	nd	nd	nd	.24j	.21j	.26j	.2j	nd	0.24	16

nd - not detected

j - estimated concentration

ne - not evaluated because chemical is not volatile

TABLE 3: Strathern Landfill

		Concentration in Groundwater in micrograms per liter (ug/l)					
Chemical	Volatile?	MW-4928a 4th 06	MW-4928a 1st 07	MW-4928a 2nd 07	MW-4928a 3rd 07	Maximum Concentration	Risk-Based Concentration
N-Nitrosodimethylamine	no	nd	0.65j	0.59j	nd	0.65j	ne
1,2,3 trichloropropane	yes	nd	nd	nd	nd	nd	16
1,4 Dioxane	no	<2	nd	nd	nd	<2	ne
Perchlorate	no	nd	nd	0.93j	1.5j	1.5j	ne
Hexavalent Chromium	no	0.68j	1.2	1.14	1.08	1.2	ne
1,2,3 trichloropropane	yes	nd	nd	nd	nd	nd	16
Dichlorodifluoromethane	yes	18.3	nd	nd	nd	18.3	984.0
1,1 Dichloroethane	yes	1.3	nd	nd	nd	1.3	391.0
Tetrachloroethylene	yes	2.1	1.5	1.3	2.01	2.1	33.8

nd - not detected

j - estimated concentration

ne - not evaluated because chemical is not volatile

TARGHEE, INC.

ENVIRONMENTAL CONSULTING

January 29, 2008

Mr. Rod Nelson
Regional Water Quality Control
Board, Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Re: Request for Closure
Penrose, Newberry and Strathern Landfills
Sun Valley, California 91352

Dear Mr. Nelson:

On behalf of Los Angeles By-Products, Targhee is requesting formal closure on the following three landfills (Figure 1 – Local Area Map):

- Penrose Landfill (Figure 2)
  A.P.Ns. 2311-002-001 and 2311-002-002
- Newberry Landfill (Figure 3)
  A.P.N. 2314-001-001
- Strathern Landfill (Figure 4)
  A.P.N. 2314-002-002

I am setting forth the information that attorney Anita Sokolsky and I provided to you, Enrique and Wen during our previous meetings per your request. As you are aware, we are requesting a separate closure letter for each of the three respective landfills, simply to facilitate our client's ability to treat each landfill separately with respect to a sale, eminent domain proceeding or any other real property transaction that may present itself. Accordingly, this closure request shall treat each landfill similarly (Figure 5 – Google Map).

Penrose Landfill

Located at 8271 Tujunga Avenue in Sun Valley, CA (A.P.N. 2311-002-001), the Penrose Landfill has been a closed landfill since approximately 1985. LA By-Products initiated formal landfill closure steps at that time.[1]

[1] Revised Closure Plan, Penrose Sanitary Landfill, Law Environmental, Inc., June 6, 1991.
Results of Permeability Testing Existing Cover, Law/Crandall, Inc., August 14, 1992.
Specifications for Construction of Final Cover, Law/Crandall, Inc., and Sepich & Associates, October 6, 1992.

Thereafter, the California Regional Water Quality Control Board, Los Angeles Region ("CRWQB-LA") required no further monitoring and/or testing. The Penrose Landfill is presently the site of a golf driving range with a landfill-gas extraction and energy recovery system currently operating at the former landfill.

Formal closure documentation is all that is missing with regard to the Penrose Landfill. Per your request, LA By-Products conducted four quarters of groundwater monitoring during 2006 and 2007 (Attachment A – Summary of Quarterly Monitoring, Penrose Landfill). As the attached summary demonstrates, the analytical data show either non-detect or very low steady-state levels of emergent contaminants. Based on the analytical results, the Penrose Landfill does not pose a risk of emerging contaminants. Furthermore, current and historic groundwater monitoring data evidence the fact that natural attenuation of contaminants is occurring and that the low levels of detected substances are the result of a regional off-site, upgradient plume migrating on site – a conclusion reached by the CRWQCB-LA in 1989.[2]

Additionally, per your request, we conducted a Health Risk Assessment of vapor intrusion to indoor air for the site in December 2007 using current groundwater monitoring data which deemed the Penrose Landfill suitable for residential development (Attachment D – Technical Memorandum).

In summary, given the fact that the landfill has been closed and inactive since 1985, been redeveloped into an environmentally friendly use, and has recently been tested for contaminant levels and assessed for health risk, we respectfully request that a formal closure letter be issued for the Penrose Landfill. A completed Case Review Form for the Penrose Landfill can be found in Attachment E.

Newberry Landfill

The Newberry Landfill is located at 8216 Tujunga Avenue in Sun Valley, CA (A.P.N. 2314-001-001). The landfill accepted rubbish from around 1948 until its closure in May 1955. It is presently occupied by a metal recycling center and an insurance company auction yard.

The same closure rationale for the Penrose Landfill applies to the Newberry Landfill. As the attached summary demonstrates, groundwater monitoring conducted during 2006 and 2007 produced data showing either non-detect or very low steady-state levels of emergent chemicals (Attachment B – Summary of Quarterly Monitoring, Newberry Landfill). Based on the analytical results, the Newberry Landfill does not pose a risk of emerging contaminants. Again,

[2] Final Approval – Penrose and Newberry Landfills SWAT Report; Monitoring Well Reduction Program – Penrose and Newberry Landfills and Strathern Pit (File Nos. 56-176, 58-137, 58-192), California Regional Water Quality Control Board, Los Angeles Region, September 22, 1989.

current and historic groundwater monitoring data evidence the fact that natural attenuation of contaminants is occurring and that the low levels of detected substances are the result of a regional off-site, upgradient plume migrating on site – a conclusion reached by the CRWQCB-LA in 1989. A completed Case Review Form for the Newberry Landfill can be found in Attachment E.

A Health Risk Assessment of vapor intrusion to indoor air for the site, conducted in December 2007 using current groundwater monitoring data, deemed the Newberry Landfill suitable for residential development (Attachment D – Technical Memorandum).

Strathern Landfill

The Strathern Landfill is located at 8175 Fair Avenue in Sun Valley, CA (A.P.N. 2314-001-002). Entry to the facility is gained through 8230 Tujunga Avenue. Strathern is the only presently operating active landfill and accepts inert wastes only (e.g., concrete, asphalt, brick, uncontaminated soil and aggregates).

Strathern has undergone groundwater monitoring since 1984. Groundwater beneath the site has been influenced by millions of gallons of storm water runoff that poured into the landfill pit in February 2005 after a 200-foot long sinkhole was created along Tujunga Avenue. However, control and management of the storm water runoff that entered the landfill pit was not the responsibility of LA By-Products.

The analytical results for four quarters of groundwater monitoring conducted in 2006-07 demonstrate non-detect or very low steady-state levels of emergent chemicals (Attachment C – Summary of Quarterly Monitoring, Strathern Landfill). Based on the analytical results, Strathern does not pose a risk of emerging contaminants. The current analytical data, as well as the analytical data from Strathern's ongoing groundwater monitoring program, also evidence the fact that natural attenuation of contaminants is occurring and that the low levels of detected substances are the result of a regional off-site, upgradient plume migrating on site. As previously stated, this is a conclusion reached by the CRWQCB-LA in 1989.

A Health Risk Assessment of vapor intrusion to indoor air for the site, conducted in December 2007 using current groundwater monitoring data, deemed the Strathern inert landfill suitable for residential development (Attachment D – Technical Memorandum). A completed Case Review Form for the Strathern Landfill can be found included in Attachment E.

Based on the analytical results from Strathern's ongoing sampling program, as well as the analytical results of our own recent sampling, further testing is not necessary.

As we discussed, Strathern is presently the subject of eminent domain proceedings by the County of Los Angeles. Although I am unable to disclose all of the details regarding this proceeding, the inevitability of condemnation is a reality.

CONCLUSION

Based on our evaluation of current and historic monitoring data, the current health risk assessment and our discussions, we reiterate our closure request for each of the three landfills. Formal closure of each of the landfills will facilitate our client's ability to sell, mortgage, finance/re-finance and/or release each respective property.

Anita and I are available for further discussion. You may contact me at 562-435-8080.

Very truly yours,

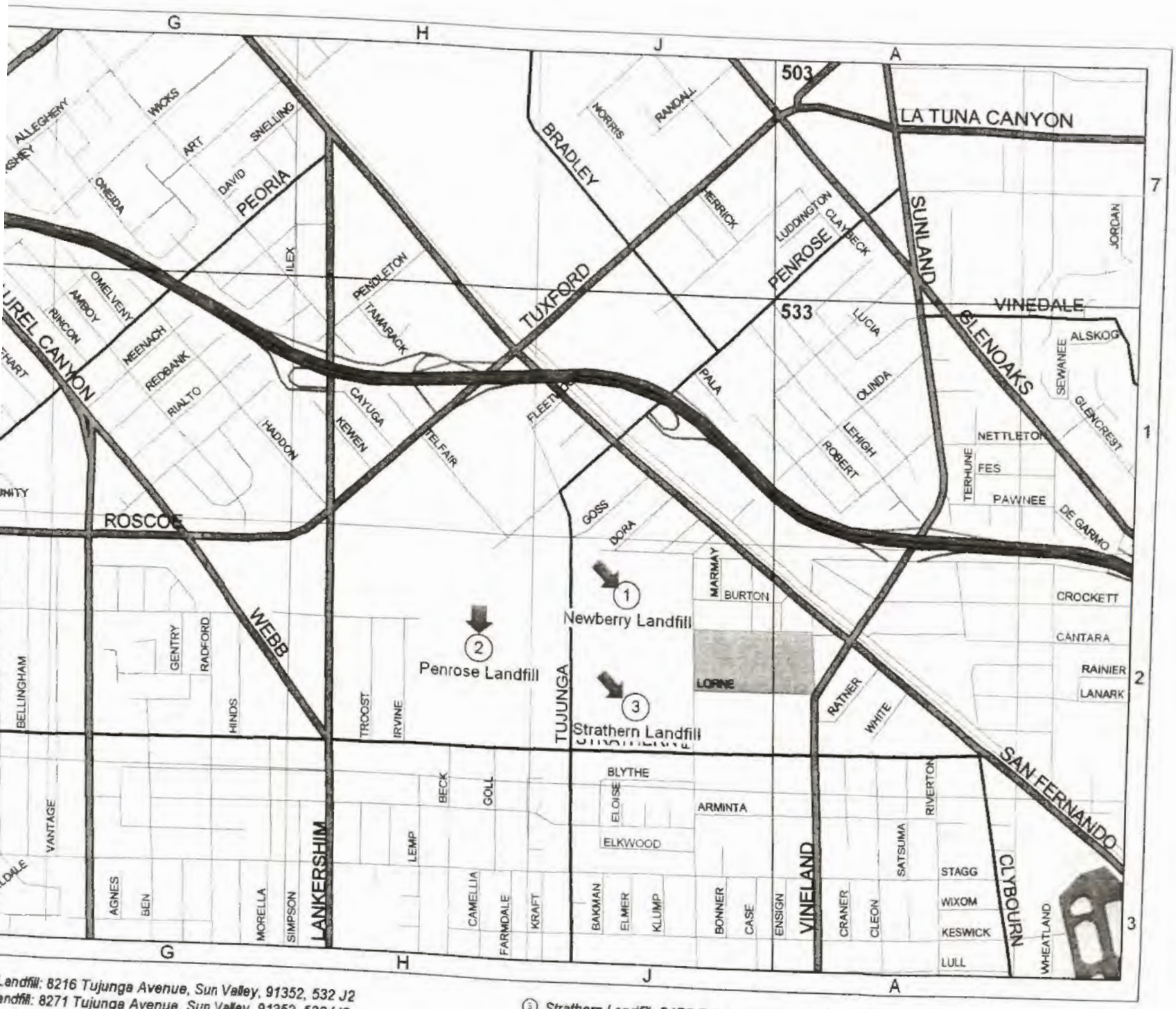
David L. Bauer
Founder, Targhee, Inc.

Attachments

cc: Robert McAllister, President
Los Angeles By-Products

Lawrence Meyer, Esq.; Raul Montes, Esq.
Greenwald, Hoffman, Meyer and Montes

Anita Sokolsky, Esq.



Landfill: 8216 Tujunga Avenue, Sun Valley, 91352, 532 J2
ndfill: 8271 Tujunga Avenue, Sun Valley, 91352, 532 H2

③ Strathern Landfill: 8175 Fair Avenue, Sun Valley, 91352, 532 J2

August 13, 2008

2008
CALL
QU
L

Mr. Rod Nelson

TARGHEE, INC.
ENVIRONMENTAL CONSULTING

August 13, 2008

RECEIVED
2008 AUG 14 PM 3 09
CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD
LOS ANGELES REGION

Mr. Rod Nelson
Land Disposal Unit
California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

Re: Penrose and Newberry Landfills
Monitoring Well Decommissioning
Los Angeles By-Products Company

Dear Mr. Nelson,

On behalf of Los Angeles By-Products, current owner of the above-referenced properties, Targhee is requesting your concurrence to abandon/decommission three groundwater monitoring wells at the Penrose and Newberry sites. The wells that are to be decommissioned are described as follows:

Location	Well No./ Year Drilled	Total Depth	Diameter	Screen Interval
Penrose	4918/1984	365 feet	5.625 OD	164-365
Penrose	4918B/1988	369 feet	8.0 ID	160-369
Newberry	4927/1984	375 feet	5.625 OD	174-375

Enclosed is a figure depicting the locations of these wells in relation to the site boundaries.

As your are aware, the Regional Board recently granted formal closure of these two sites. The letter indicating closure is attached.

We are requesting decommissioning of the three wells as they are no longer subject to Regional Board oversight or monitoring requirements. The presence of the wells at this time represents an open pathway to groundwater with attendant risk. The in-place wells are also an encumbrance to property sale, lease, refinance or appropriate development.

Targhee will be completing well decommissioning permit applications for submittal to the Los Angeles County Department of Health Services. All decommissioning activities will be conducted in accordance with the California Department of Water Resources, Water Well Standards Bulletin 74-90 (Supplement to Bulletin 74-81), dated June 1991.

Please acknowledge receipt of this letter and provide any specific requirements your office may have with regard to decommissioning these wells. We are available for further discussion, if required, at any time.

Very truly yours,

David L. Bauer
Founder

Enc.

cc: Mr. Robert McAllister

01 Centre Plaza Drive
onterey Park, California 91754-2156
213) 266-7500

September 22 , 1989

Mr. Claude VanGorden
President
Los Angeles By-Products Company
1810 East 25th Street
Los Angeles, CA 90058

FINAL APPROVAL - PENROSE AND NEWBERRY LANDFILLS SWAT REPORT; MONITORING WELL REDUCTION PROGRAM - PENROSE AND NEWBERRY LANDFILLS AND STRATHERN PIT (FILE NOS. 56-176, 58-137, 58-192)

We have reviewed the SWAT Supplementary Monitoring Report, dated July 1, 1989, for Penrose and Newberry Landfills and have determined that all of the data contained therein is complete. Your SWAT Report for Penrose and Newberry Landfills is approved as complete.

The report indicates the following:

1. The elevated levels of trichloroethylene and nitrate, found in both the upgradient and downgradient wells around Penrose Landfill, are the result of unknown sources upgradient of the landfill.

2. The slightly increased downgradient levels of the few other detected organic constituents may or may not be attributed to the interaction of Penrose and Newberry generated landfill gas and ground water; however, these organic constituents have persistently appeared upgradient for several years, and the constituent levels vary greatly and appear to be completely unrelated to each other. Also the presence of these organics does not alter the beneficial uses of the ground water, since trichloroethylene is present in the ground water at much greater concentrations.

3. The inorganic water quality is not significantly affected by the two landfills. Slight increases in the average dissolved solids content downgradient of both landfills

are evident; however, no State Maximum Contaminant Levels (MCLs) were exceeded for the downgradient average of any general inorganic parameter, except the previously discussed nitrate. A few metals concentrations exceeded the corresponding (MCLs); however, there was no marked difference between the upgradient and the downgradient levels for these constituents.

In response to the May 24, 1989 proposal to alter the ground water monitoring program, we have no objections to returning to a Subchapter 15 required manner of monitoring; however, we request the following changes to the proposed program:

1. Since the ground water flow direction has changed, it appears Well 4918 may now be downgradient of a portion of Penrose Landfill. Since Well 4928C is downgradient of Newberry Landfill, we request Well 4927 be monitored to provide background water quality.

2. Well 4918A is near to Well 4918B, has ground water quality similar to that of Well 4918B, and is screened deeper than Well 4918B. We suggest Well 4918A be dropped from the proposed program.

3. It is requested that boron and fluoride be added to the parameter list.

If you have any questions, please call Clay Booher at(213) 266-7580.

for DENNIS DASKER
Supervising Water Resource
Control Engineer

cc: John Adams, SWRCB, DWQ
Alice Campbell, Law Environmental

ATTACHMENT A

Summary of Quarterly Monitoring
4th Quarter 2006 through 3rd Quarter 2007

Penrose Landfill

A.P.N. 2311-002-001
and
A.P.N. 2311-002-002

Penrose Well MW-4918

Monitoring well MW-4918 is located in the northwest corner of the Penrose Landfill and is considered an upgradient well (Figure 2). This well was installed in 1984.

Groundwater monitoring data collected from June 1985 through April 1988 (Solid Waste Assessment Test (SWAT) Water, Penrose & Newberry Landfills, Law Environmental, Inc., June 29, 1988) indicated that, during the 1985 to 1988 timeframe, Penrose well MW-4918 contained concentrations of perchloroethene ("PCE") ranging from <1.0 micrograms per Liter ("µg/L" or parts per billion) to 7.0 µg/L and trichloroethene ("TCE") ranging from 5.0 µg/L to 65 µg/L. 1,2-dichloroethane ("1,2-DCA") was detected in June 1985 monitoring only. Total Dissolved Solids ("TDS") ranged from 450 milligrams per Liter ("mg/L" or parts per million) to 510 mg/L and nitrates ranged from 64 mg/L to 130 mg/L. Tables with both historic (1985-88) and current (2006-07) data are attached (See MW-4918). The 2006-07 Four Quarters monitoring results for MW-4918 are discussed below.

Emergent Chemicals

N-Nitrosodimethylamine ("NDMA") was detected in MW-4918 at a concentration of 0.84 J nanograms per Liter ("ng/L" or parts per trillion) during 2nd Quarter 2007 monitoring only. The detected concentration is an order of magnitude below the California Public Health Goal ("PHG") of 3.0 ng/L. NDMA was not detected above the analytical method's Method detection Limit ("MDL") of 0.23 ng/L during 4th Quarter 2006, 1st Quarter 2007 or 3rd Quarter 2007 monitoring of MW-4918.

1,2,3-trichloropropane ("1,2,3-TCP") was not detected above the analytical method's MDL of 0.0015 µg/L in MW-4918 during any of the four quarters of monitoring. There is no State or Federal Maximum Contaminant Level ("MCL") for 1,2,3-TCP.

1,4-dioxane was detected in MW-4918 during 1st Quarter 2007 and 3rd Quarter 2007 monitoring at a concentration of 1.53 J[3] µg/L and 0.046 J µg/L, respectively. 1,4-dioxane was not detected above the analytical method's December 2006 MDL of 2.0 µg/L during 4th Quarter 2006 monitoring. 1,4-dioxane was not detected above the analytical method's 2007 MDL of 1.0 µg/L during 3rd Quarter 2007 monitoring. There is no State or Federal MCL for 1,4-dioxane.

Perchlorate was detected in MW-4918 at a concentration of 2.2 µg/L during 4th Quarter 2006 monitoring only. The single detected concentration is below the State PHG of 6.0 µg/L for

[3] Concentrations qualified with a "J" flag are semi-quantitative analytical results; that is, the detected concentrations are below the analytical method's Practical Quantitation Limit ("PQL"), but above the analytical method's Method Detection Limit ("MDL").

perchlorate. Perchlorate was not detected above the analytical method's MDL of 0.3 µg/L during 1st Quarter 2007, 2nd Quarter 2007 or 3rd Quarter 2007 monitoring.

Hexavalent chromium ("Cr VI") was not detected in MW-4918 during 4th Quarter 2006 monitoring. Cr VI was detected at semi-quantitative concentrations during 1st Quarter 2007 (0.15 J µg/L), 2nd Quarter (0.24 J µg/L) and 3rd Quarter (0.28 J µg/L) monitoring. However, Cr VI was also detected in the 2nd Quarter 2007 equipment blank (0.18 J µg/L) and 3rd Quarter 2007 field blank (0.39 J µg/L). There is no State or Federal MCL for Cr VI. Based on current research, the most credible sources for the trace concentrations of hexavalent chromium detected in groundwater beneath the landfill are geogenic, not anthropogenic processes.

Volatile Organic Compounds ("VOCs")

PCE was detected in MW-4918 during all four quarters of monitoring. Concentrations ranged from 7.4 µg/L to 20.5 µg/L. These concentrations exceed the State and Federal MCL of 5.0 µg/L for PCE.

TCE was detected in MW-4918 during all four quarters of monitoring. Concentrations ranged from 4.9 µg/L to 12.6 µg/L. Concentrations of TCE detected during 4th Quarter 2006 12.9 µg/L), 1st Quarter 2007 (8.6 µg/L) and 2nd Quarter 2007 (5.2 µg/L) monitoring exceeded the State and Federal MCL of 5.0 µg/L for TCE. The concentration of TCE detected in MW-4918 during 3rd Quarter 2007 (4.9 µg/L) monitoring was below both the State and Federal MCL.

1,1-dichloroethene ("1,1-DCE") was detected in MW-4918 during all four quarters of monitoring. Concentrations ranged from 1.1 µg/L to 43.8 µg/L. Concentrations of 1,1-DCE detected during 4th Quarter 2006 (43.8 µg/L) and 1st Quarter 2007 (11.8 µg/L) monitoring exceeded the State MCL of 6.0 µg/L and the Federal MCL of 7.0 µg/L for 1,1-DCE. The concentrations of 1,1-DCE detected in MW-4918 during 2nd Quarter 2007 (4.7 µg/L) and 3rd Quarter 2007 (1.1 µg/L) monitoring were below both the State and Federal MCLs.

No other EPA Method 8260B VOC was detected in MW-4918 at a concentration exceeding the applicable State or Federal MCL, PHG, Action Level or Secondary Standard.

Inorganic Compounds & Metals

TDS were detected in MW-4918 at concentrations exceeding the Federal Secondary Standard of 500 mg/L for TDS during all four quarters of monitoring. The detected concentrations do not exceed the upper range limit of the State's Secondary Standard (i.e., 1,000 mg/L) for TDS.

No other inorganic compound or Title 22 metal was detected in MW-4918 at a concentration exceeding the applicable State or Federal MCL, PHG, Action Level or Secondary Standard.

In order to address the trace concentrations of Cr VI detected in MW-4918 during the recent monitoring, groundwater samples from the 3rd Quarter 2007 monitoring were analyzed for manganese. Manganese was detected in MW-4918 during 3rd Quarter 2007 monitoring at a concentration of 0.116 mg/L. This concentration exceeds the Federal Secondary Standard of 0.05 mg/L for manganese. The manganese detected in MW-4918 evidences a geogenic source for the Cr VI detected in groundwater.

Penrose Well MW-4918B

Monitoring well MW-4918B is located in the southwest corner of the Penrose Landfill and was installed in 1988. As the area's general groundwater flow has historically been to the southeast, MW-4918B has also been considered an upgradient well (Figure 2). Current groundwater flow is to the southwest, possibly due to pumping in the Rinaldi-Toluca well field. The 2006-07 Four Quarters monitoring results for MW-4918B are discussed below.

Emergent Chemicals

NDMA was detected in MW-4918B during 4th Quarter 2006 (0.94 J ng/L) and 2nd Quarter 2007 (0.54 J ng/L). The detected concentrations are an order of magnitude below the State PHG of 3.0 ng/L. NDMA was not detected above the analytical method's MDL of 0.23 ng/L during1st Quarter 2007 or 3rd Quarter 2007 monitoring of MW-4918B.

1,2,3-TCP was detected in MW-4918B during 1st Quarter 2007 (0.0017 µg/L) and 3rd Quarter 2007 (0.026 µg/L) monitoring. 1,2,3-TCP was not detected above the analytical method's MDL of 0.0015 µg/L during 4th Quarter 2006 and 2nd Quarter 2007 monitoring. There is no State or Federal MCL for 1,2,3-TCP.

1,4-dioxane was not detected in MW-4918B during 4th Quarter 2006 monitoring. 1,4-dioxane was detected in MW-4918B during the three quarters of 2007 monitoring at concentrations ranging from 5.18 µg/L to 24 µg/L. There is no State or Federal MCL for 1,4-dioxane.

Perchlorate was detected in MW-4918B at a concentration of 7.8 µg/L during 4th Quarter 2006 monitoring only. Perchlorate was not detected in MW-4918B at concentrations above the analytical method's MDL of 0.3 µg/L during 1st Quarter 2007, 2nd Quarter 2007 or 3rd Quarter 2007 monitoring.

Cr VI was not detected in MW-4918B during 4th Quarter 2006, 1st Quarter 2007 and 2nd Quarter 2007 monitoring. Cr VI was detected at a semi-quantitative concentration of 0.31 J µg/L during 3rd Quarter 2007 monitoring. However, Cr VI was also detected in the 3rd Quarter 2007 field blank (0.39 J µg/L). There is no State or Federal MCL for Cr VI. Based on current research, the most credible sources for the trace concentrations of hexavalent chromium detected in groundwater beneath the landfill are geogenic, not anthropogenic processes.

Volatile Organic Compounds ("VOCs")

PCE was detected in MW-4918B during all four quarters of monitoring. Concentrations ranged from 4.7 µg/L to 8.6 µg/L. With the exception of the 2nd Quarter 2007 results of 4.7 µg/L, these concentrations slightly exceed the State and Federal MCL of 5.0 µg/L for PCE.

TCE was detected in MW-4918B during all four quarters of monitoring. Concentrations ranged from 35.8 µg/L to 39.7 µg/L. The concentrations of detected TCE exceed the State and Federal MCL of 5.0 µg/L for TCE.

Cis-1,2-dichloroethene ("cis-1,2-DCE") was detected in MW-4918B during all four quarters of monitoring. Concentrations ranged from 10.8 µg/L to 25.2 µg/L. While the concentrations of detected cis-1,2-DCE exceed the State MCL of 6.0 µg/L, they do not exceed the Federal MCL of 70 µg/L for cis-1,2-DCE.

No other EPA Method 8260B VOC was detected in MW-4918B at a concentration exceeding the applicable State or Federal MCL, PHG, Action Level or Secondary Standard.

Inorganic Compounds & Metals

TDS were detected in MW-4918B at concentrations exceeding the Federal Secondary Standard of 500 mg/L for TDS during all four quarters of monitoring. The detected concentrations do not exceed the upper range limit of the State's Secondary Standard (i.e., 1,000 mg/L) for TDS.

No other inorganic compound or Title 22 metal was detected in MW-4918B at a concentration exceeding the applicable State or Federal MCL, PHG, Action Level or Secondary Standard.

Manganese was detected in MW-4918B during 3rd Quarter 2007 monitoring at a concentration of 0.48 mg/L. This concentration exceeds the Federal Secondary Standard of 0.05 mg/L for manganese. The manganese detected in MW-4918B evidences a geogenic source for the Cr VI detected in groundwater.

ATTACHMENT B

Summary of Quarterly Monitoring
4th Quarter 2006 through 3rd Quarter 2007

Newberry Landfill

A.P.N. 2314-001-001

Newberry Well MW-4927

Monitoring well MW-4927 is located in the northwest corner of the Newberry Landfill and is considered an upgradient well (Figure 2). This well was installed in 1984.

Groundwater monitoring data collected from October 1984 through April 1988 (Solid Waste Assessment Test (SWAT) Water, Penrose & Newberry Landfills, Law Environmental, Inc., June 29, 1988) indicated that, during the 1984 to 1988 timeframe, Newberry well MW-4927 contained concentrations of perchloroethene ("PCE") ranging from <1.0 micrograms per Liter ("µg/L" or parts per billion) to 4.0 µg/L. Trichloroethene ("TCE") and 1,2-dichloroethane ("1,2-DCA") were not detected at concentrations above the detection limit of 1.0 µg/L. Total Dissolved Solids ("TDS") ranged from 361 milligrams per Liter ("mg/L" or parts per million) to 550 mg/L and nitrates ranged from <0.4 mg/L to 32 mg/L. Tables with both historic (1984-88) and current (2006-07) data are attached (See MW-4927). The 2006-07 Four Quarters monitoring results for MW-4927 are presented below.

Emergent Chemicals

N-Nitrosodimethylamine ("NDMA") was detected in MW-4927 during 1st Quarter 2007 (0.78 J nanograms per Liter ["ng/L" or parts per trillion]) monitoring only. The detected concentration is an order of magnitude below the State Public Health Goal ("PHG") of 3.0 ng/L. NDMA was not detected above the analytical method's Method Detection Limit ("MDL") of 0.23 ng/L during 4th Quarter 2006, 2nd Quarter 2007 or 3rd Quarter 2007 monitoring of MW-4927.

1,2,3-trichloropropane ("1,2,3-TCP") was not detected above the analytical method's MDL of 0.0015 µg/L in MW-4927 during any of the four quarters of monitoring. There is no State or Federal Maximum Contaminant Level ("MCL") for 1,2,3-TCP.

1,4-dioxane was not detected in MW-4927 during any of the four quarters of monitoring. There is no State or Federal MCL for 1,4-dioxane.

Perchlorate was detected in MW-4927 at a semi-quantitative concentration of 0.41 J µg/L during 2nd Quarter 2007 monitoring only. The detected concentration is an order of magnitude below the State PHG of 6.0 µg/L perchlorate. Perchlorate was not detected in MW-4927 at concentrations above the analytical method's MDL of 0.3 µg/L during 4th Quarter 2006, 1st Quarter 2007 or 3rd Quarter 2007 monitoring.

Hexavalent chromium ("Cr VI") was not detected in MW-4927 during 4th Quarter 2006 and 2nd Quarter 2007 monitoring. Cr VI was detected at semi-quantitative concentrations of 0.25 J µg/L during 1st Quarter 2007 monitoring and 0.38 J µg/L during 3rd Quarter 2007 monitoring.

Cr VI was also detected in the 3rd Quarter 2007 field blank (0.39 J µg/L). There is no State or Federal MCL for Cr VI. Based on current research, the most credible sources for the trace concentrations of hexavalent chromium detected in groundwater beneath the landfill are geogenic, not anthropogenic processes.

Volatile Organic Compounds ("VOCs")

PCE was detected in MW-4927 during all four quarters of monitoring. Concentrations ranged from 1.4 µg/L to 1.8 µg/L. These concentrations are all below the State and Federal MCL of 5.0 µg/L for PCE.

TCE was detected in MW-4927 at a semi-quantitative concentration of 0.24 J µg/L during 3rd Quarter 2007 monitoring only. TCE was not detected in MW-4927 during 4th Quarter 2006, 1st Quarter 2007 or 2nd Quarter 2007 monitoring. The concentration of TCE detected in MW-4927 during 3rd Quarter 2007 monitoring is an order of magnitude below the State and Federal MCL of 5.0 µg/L for TCE.

With the exception of 15.2 µg/L acetone detected during 3rd Quarter 2007 monitoring, no other EPA Method 8260B VOC was detected in MW-4927 during the four quarters of monitoring. The 3rd Quarter 2007 field blank contained 3.7 µg/L acetone.

Inorganic Compounds & Metals

TDS were detected in MW-4927 at concentrations exceeding the Federal Secondary Standard of 500 mg/L for TDS during all four quarters of monitoring. The detected concentrations do not exceed the upper range of the State's Secondary Standard (i.e., 1,000 mg/L) for TDS.

No other inorganic compound or Title 22 metal was detected in MW-4927 at a concentration exceeding the applicable State or Federal MCL, PHG, Action Level or Secondary Standard.

Manganese was detected in MW-4927 during 3rd Quarter 2007 monitoring at a concentration of 0.009 J mg/L. This concentration is below the Federal Secondary Standard of 0.05 mg/L for manganese. The manganese detected in MW-4927 evidences a geogenic source for the Cr VI detected in groundwater.

Newberry Well MW-4928C

Monitoring well MW-4928C is located in the southwest corner of the Newberry Landfill and was installed in 1988. As MW-4928C straddles the boundary between the closed Newberry

Landfill and the active, inerts-only Strathern Landfill. MW-4928C serves as the Newberry Landfill's downgradient well and the Strathern Landfill's upgradient well (Figure 2).

Groundwater monitoring data collected from 2001 (Table 4: Strathern Landfill Ground Water Database, Second 2006 Semi-Annual Groundwater Monitoring Report [July-December], Strathern Landfill, URS Corporation, January 26, 2007) indicated that, during the 2001 through 2006 timeframe, MW-4928C contained concentrations of PCE ranging from 2.9 µg/L to 9.34 µg/L. TCE was detected at concentrations ranging from <0.25 µg/L to 0.8 µg/L. TDS ranged from 420 mg/L to 1,010 mg/L and nitrates ranged from 2.85 mg/L to 24.8 mg/L. Tables with both historic (2001-06) and current (2006-07) data are attached (See MW-4928C). The 2006-07 Four Quarters monitoring results for MW-4928C are presented below.

Emergent Chemicals

NDMA was detected in MW-4928C during 2nd Quarter 2007 (0.42 J ng/L) monitoring only. The detected concentration is an order of magnitude below the State PHG of 3.0 ng/L. NDMA was not detected above the analytical methods' MDL of 0.23 ng/L during 4th Quarter 2006, 1st Quarter 2007 or 3rd Quarter 2007 monitoring of MW-4928C.

1,2,3-TCP was not detected above the analytical method's MDL of 0.0015 µg/L in MW-4928C during any of the four quarters of monitoring. There is no State or Federal MCL for 1,2,3-TCP.

1,4-dioxane was detected in MW-4928C at a semi-quantitative concentration of 0.55 J µg/L during 3rd Quarter 2007 monitoring only. 1,4-Dioxane was not detected above the analytical method's December 2006 MDL of 2.0 µg/L during 4th Quarter 2006 monitoring. 1,4-Dioxane was not detected above the analytical method's 2007 MDL of 1.0 µg/L during 1st Quarter 2007 and 2nd Quarter 2007 monitoring. There is no State or Federal MCL for 1,4-dioxane.

Perchlorate was detected in MW-4928C at a semi-quantitative concentration of 1.4 J µg/L during 1st Quarter 2007 monitoring and at a concentration of 18 µg/L during 2nd Quarter 2007 monitoring. Perchlorate was not detected in MW-4928C at concentrations above the analytical method's MDL of 0.3 µg/L during 4th Quarter 2006 or 3rd Quarter 2007 monitoring. While the concentration of perchlorate detected during the 2nd Quarter 2007 exceeds the State PHG of 6.0 µg/L, no perchlorate was detected in MW-4928C during the last monitoring event.

Cr VI was detected in MW-4928C during all four quarters of monitoring. The detected concentrations ranged from 0.51 J µg/L to 1.27 µg/L. Cr VI was also detected in the 3rd Quarter 2007 field blank (0.52 J µg/L). There is no State or Federal MCL for Cr VI. Based on current

research, the most credible sources for the trace concentrations of hexavalent chromium detected in groundwater beneath the landfill are geogenic, not anthropogenic processes.

Volatile Organic Compounds ("VOCs")

PCE was detected in MW-4928C during all four quarters of monitoring. Concentrations ranged from 7.48 µg/L to 11.9 µg/L. These concentrations exceed the State and Federal MCL of 5.0 µg/L for PCE.

TCE was detected in MW-4928C at a semi-quantitative concentrations ranging from 0.20 µg/L to 0.26 J µg/L during 4th Quarter 2006, 1st Quarter 2007 and 2nd Quarter 2007 monitoring. All concentration of TCE detected in MW-4928C are an order of magnitude below the State and Federal MCL of 5.0 µg/L for TCE. TCE was not detected in MW-4928C during 3rd Quarter 2007 monitoring.

1,1-dichloroethane ("1,1-DCA") was detected in MW-4928C during 4th Quarter 2006 (1.03 µg/L), 1st Quarter 2007 (0.82 J µg/L) and 2nd Quarter 2007 (0.2 J µg/L) monitoring. All concentrations of 1,1-DCA detected in MW-4928C are an order of magnitude below the State MCL of 5.0 µg/L for 1,1-DCA. There is no Federal MCL for 1,1-DCA. 1,1-DCA was not detected in MW-4928C during 3rd Quarter 2007 monitoring.

1,2-DCA was detected in MW-4928C at a semi-quantitative concentration of 0.21 J µg/L 3rd Quarter 2007 monitoring only. The concentration of 1,2-DCA detected in MW-4928C is below both the State MCL of 0.5 µg/L and the Federal MCL of 5.0 µg/L for 1,2-DCA. 1,2-DCA was not detected in MW-4928C during 4th Quarter 2006, 1st Quarter 2007 and 2nd Quarter 2007 monitoring.

No other EPA Method 8260B VOC was detected in MW-4928C during the four quarters of monitoring.

Inorganic Compounds & Metals

TDS were detected in MW-4928C at concentrations exceeding the Federal Secondary Standard of 500 mg/L for TDS during all four quarters of monitoring. The detected concentrations do not exceed the upper range of the State's Secondary Standard (i.e., 1,000 mg/L) for TDS.

ATTACHMENT C

Summary of Quarterly Monitoring
4th Quarter 2006 through 3rd Quarter 2007

Strathern Landfill

A.P.N. 2314-001-002

Strathern Well MW-4928C

Monitoring well MW-4928C is located in the southwest corner of the Newberry Landfill and was installed in 1988. As MW-4928C straddles the boundary between the closed Newberry Landfill and the active, inerts-only Strathern Landfill, MW-4928C also serves as the Strathern Landfill's upgradient well (Figure 2).

Groundwater monitoring data collected from 2001 (Table 4: Strathern Landfill Ground Water Database, Second 2006 Semi-Annual Groundwater Monitoring Report [July-December], Strathern Landfill, URS Corporation, January 26, 2007) indicated that, during the 2001 through 2006 timeframe, MW-4928C contained concentrations of perchloroethene ("PCE") ranging from 2.9 micrograms per Liter ("µg/L" or parts per billion) to 9.34 µg/L. Trichloroethene ("TCE") was detected at concentrations ranging from <0.25 µg/L to 0.8 µg/L. Total Dissolved Solids ("TDS") ranged from 420 milligrams per Liter ("mg/L" or parts per million) to 1,010 mg/L and nitrates ranged from 2.85 mg/L to 24.8 mg/L. Tables with both historic (2001-06) and current (2006-07) data are attached (See MW-4928C). The 2006-07 Four Quarters monitoring results for MW-4928C are presented below.

Emergent Chemicals

NDMA was detected in MW-4928C during 2nd Quarter 2007 (0.42 J nanograms per Liter ["ng/L" or parts per trillion]) monitoring only. The detected concentration is an order of magnitude below the State Public Health Goal ("PHG") of 3.0 ng/L. NDMA was not detected above the analytical methods' MDL of 0.23 ng/L during 4th Quarter 2006, 1st Quarter 2007 or 3rd Quarter 2007 monitoring of MW-4928C.

1,2,3-Trichloropropane ("1,2,3-TCP") was not detected above the analytical method's MDL of 0.0015 µg/L in MW-4928C during any of the four quarters of monitoring. There is no State or Federal MCL for 1,2,3-TCP.

1,4-dioxane was detected in MW-4928C at a semi-quantitative concentration of 0.55 J µg/L during 3rd Quarter 2007 monitoring only. 1,4-Dioxane was not detected above the analytical method's December 2006 MDL of 2.0 µg/L during 4th Quarter 2006 monitoring. 1,4-Dioxane was not detected above the analytical method's 2007 MDL of 1.0 µg/L during 1st Quarter 2007 and 2nd Quarter 2007 monitoring. There is no State or Federal MCL for 1,4-dioxane.

Perchlorate was detected in MW-4928C at a semi-quantitative concentration of 1.4 J µg/L during 1st Quarter 2007 monitoring and at a concentration of 18 µg/L during 2nd Quarter 2007 monitoring. Perchlorate was not detected in MW-4928C at concentrations above the analytical method's MDL of 0.3 µg/L during 4th Quarter 2006 or 3rd Quarter 2007 monitoring. While the

concentration of perchlorate detected during the 2nd Quarter 2007 exceeds the State PHG of 6.0 µg/L, no perchlorate was detected in MW-4928C during the last monitoring event.

Hexavalent chromium ("Cr VI") was detected in MW-4928C during all four quarters of monitoring. The detected concentrations ranged from 0.51 J µg/L to 1.27 µg/L. Cr VI was also detected in the 3rd Quarter 2007 field blank (0.52 J µg/L). There is no State or Federal Maximum Contaminant Level ("MCL") for Cr VI. Based on current research, the most credible sources for the trace concentrations of hexavalent chromium detected in groundwater beneath the landfill are geogenic, not anthropogenic processes.

Volatile Organic Compounds ("VOCs")

PCE was detected in MW-4928C during all four quarters of monitoring. Concentrations ranged from 7.48 µg/L to 11.9 µg/L. These concentrations exceed the State and Federal MCL of 5.0 µg/L for PCE.

TCE was detected in MW-4928C at a semi-quantitative concentrations ranging from 0.20 µg/L to 0.26 J µg/L during 4th Quarter 2006, 1st Quarter 2007 and 2nd Quarter 2007 monitoring. All concentration of TCE detected in MW-4928C are an order of magnitude below the State and Federal MCL of 5.0 µg/L for TCE. TCE was not detected in MW-4928C during 3rd Quarter 2007 monitoring.

1,1-dichloroethane ("1,1-DCA") was detected in MW-4928C during 4th Quarter 2006 (1.03 µg/L), 1st Quarter 2007 (0.82 J µg/L) and 2nd Quarter 2007 (0.2 J µg/L) monitoring. All concentrations of 1,1-DCA detected in MW-4928C are an order of magnitude below the State MCL of 5.0 µg/L for 1,1-DCA. There is no Federal MCL for 1,1-DCA. 1,1-DCA was not detected in MW-4928C during 3rd Quarter 2007 monitoring.

1,2-dichloroethane ("1,2-DCA") was detected in MW-4928C at a semi-quantitative concentration of 0.21 J µg/L 3rd Quarter 2007 monitoring only. The concentration of 1,2-DCA detected in MW-4928C is below both the State MCL of 0.5 µg/L and the Federal MCL of 5.0 µg/L for 1,2-DCA. 1,2-DCA was not detected in MW-4928C during 4th Quarter 2006, 1st Quarter 2007 and 2nd Quarter 2007 monitoring.

No other EPA Method 8260B VOC was detected in MW-4928C during the four quarters of monitoring.

Inorganic Compounds & Metals

TDS were detected in MW-4928C at concentrations exceeding the Federal Secondary Standard of 500 mg/L for TDS during all four quarters of monitoring. The detected

concentrations do not exceed the upper range of the State's Secondary Standard (i.e., 1,000 mg/L) for TDS.

No other inorganic compound or Title 22 metal was detected in MW-4928C at a concentration exceeding the applicable State or Federal MCL, PHG, Action Level or Secondary Standard.

Manganese was detected in MW-4928C during 3rd Quarter 2007 monitoring at a concentration of 0.018 J mg/L. This concentration is below the Federal Secondary Standard of 0.05 mg/L for manganese. The manganese detected in MW-4928C evidences a geogenic source for the Cr VI detected in groundwater.

Strathern Well 4928A

Monitoring well MW-4928A is located in the southeast corner of the Strathern Landfill and is considered a downgradient well (Figure 2). MW-4928A was installed in 1984.

Groundwater monitoring data collected from 1984 through 2006 (Table 4: Strathern Landfill Ground Water Database, Second 2006 Semi-Annual Groundwater Monitoring Report (July-December), Strathern Landfill, URS Corporation, January 26, 2007) indicated that since May 1984, PCE has been detected in MW-4928A at levels ranging from less than the detection limit (<1.0 µg/L) to a high of 15.1 µg/L PCE detected in 1998. Between 1984 and 2006, PCE was detected in MW-4928A at levels below the Federal MCL of 5.0 µg/L for PCE during 32 of the 47 (68%) sampling events.

Since 1984, TCE was detected at concentrations ranging from below the detection limit (<0.25 µg/L) to a high of 44 µg/L which was detected during the initial 1984 sampling. Since January 1986, TCE has not been detected in MW-4928A at levels exceeding 1.5 µg/L.

Since 1984, TDS has ranged from 330 mg/L to 910 mg/L. Nitrates have ranged from 1.4 mg/L to 57 mg/L. Tables with both historic (1984-06) and current (2006-07) data are attached (See MW-4928A). The 2006-07 Four Quarters monitoring results for MW-4928A are presented below.

Emergent Chemicals

NDMA was detected in MW-4928A in semi-quantitative concentrations during 1st Quarter 2007 (0.65 J ng/L) and 2nd Quarter 2007 (0.59 J ng/L) monitoring. The detected concentrations are an order of magnitude below the State PHG of 3.0 ng/L. NDMA was not detected above the analytical method's MDL of 0.23 ng/L during 4th Quarter 2006, 3rd

1,2,3-TCP was not detected above the analytical method's MDL of 0.0015 µg/L in MW-4928A during any of the four quarters of monitoring. There is no State or Federal MCL for 1,2,3-TCP.

1,4-dioxane was not detected in MW-4928A at a concentration above the analytical method's December 2006 MDL of 2.0 µg/L during 4th Quarter 2006 monitoring or above the analytical method's 2007 MDL of 1.0 µg/L during 1st Quarter 2007, 2nd Quarter 2007 and 3rd Quarter 2007 monitoring. There is no State or Federal MCL for 1,4-dioxane.

Perchlorate was detected in MW-4928A at a semi-quantitative concentrations during 2nd Quarter 2007 (0.93 J µg/L) and 3rd Quarter 2007 (1.5 J µg/L) monitoring. The 2nd Quarter 2007 equipment blank contained 0.84 µg/L perchlorate. Perchlorate was not detected in MW-4928A at concentrations above the analytical method's MDL of 0.3 µg/L during 4th Quarter 2006 or 1st Quarter 2007 monitoring. The concentrations of perchlorate detected do not exceed the State PHG of 6.0 µg/L for perchlorate.

Cr VI was detected in MW-4928A during all four quarters of monitoring. The detected concentrations ranged from 0.68 J µg/L to 1.2 µg/L. Cr VI was also detected in the 3rd Quarter 2007 field blank (0.52 J µg/L). There is no State or Federal MCL for Cr VI. Based on current research, the most credible sources for the trace concentrations of hexavalent chromium detected in groundwater beneath the landfill are geogenic, not anthropogenic processes.

Volatile Organic Compounds ("VOCs")

PCE was detected in MW-4928A during all four quarters of monitoring. Concentrations ranged from 1.3 µg/L to 2.1 µg/L. PCE was also detected in the 1st Quarter 2007 field blank (0.6 J µg/L). The concentrations of PCE detected in MW-4928A do not exceed the State and Federal MCL of 5.0 µg/L for PCE.

TCE was not detected in MW-4928A during any quarter of monitoring. Dichlorodifluoromethane ("DCDFM") was detected in MW-4928A during 4th Quarter 2006 (18.3 µg/L) monitoring only. There is no State or Federal MCL for DCDFM.

No other EPA Method 8260B VOC was detected in MW-4928A during the four quarters of monitoring.

Inorganic Compounds & Metals

TDS were detected in MW-4928A at concentrations exceeding the Federal Secondary

concentrations do not exceed the upper range of the State's Secondary Standard (i.e., 1,000 mg/L) for TDS.

Nitrates were detected in MW-4928A at levels slightly exceeding the Federal MCL of 10 mg/L during all four quarters of monitoring. Concentrations ranged from 12.6 mg/L to 13.2 mg/L. The concentrations of nitrates detected in MW-4928A did not exceed the State MCL of 45 mg/L for nitrates.

No other inorganic compound or Title 22 metal was detected in MW-4928A at a concentration exceeding the applicable State or Federal MCL, PHG, Action Level or Secondary Standard.

Manganese was detected in MW-4928A during 3rd Quarter 2007 monitoring at a concentration of 0.015 J mg/L. This concentration is below the Federal Secondary Standard of 0.05 mg/L for manganese. The manganese detected in MW-4928A evidences a geogenic source for the Cr VI detected in groundwater.

Environmental Health Decisions

TECHNICAL MEMORANDUM

To: Mr. Robert McAllister
Los Angeles By-Products Company
10940 Portal Drive
Los Alamitos, CA 90720-3482

From: Jill Ryer-Powder, Ph.D., DABT, Environmental Health Decisions

Date: December 18, 2007

Re: Evaluation of Human Health Risks from Indoor Air Exposure at LA By-Product's Penrose, Newberry & Strathern Landfills, Tujunga Avenue, Sun Valley, California 91352

This report presents the results of a health risk evaluation conducted on behalf of LA Byproducts for the Penrose, Newberry, and Strathern Landfill sites. The objective of the work scope was to identify the potential risks associated with chemicals in groundwater below these landfills. Specifically, this report estimates potential cancer risks and noncancer hazards associated with the upward migration of vapors from chemicals in groundwater to future homes or buildings on the sites.

Groundwater sampling was conducted at the Landfills in the 4th quarter of 2006 and the 1st, 2nd, and 3rd quarters of 2007. Low concentrations of volatile chemicals were detected in the groundwater. The results of the groundwater sampling can be used to represent vapors from residual chemicals that may migrate upwards and into a home or building. It is possible that a hypothetical resident or indoor worker may be exposed to the vapors via inhalation. The purpose of this Technical Memorandum is to evaluate the potential for adverse health effects from inhalation of these vapors.

16 Main Street, Ladera Ranch, CA 92694 Telephone 949 481 8080 Fax: 949 481 8880 E-Mail jpowder@cox.net

monitoring wells MW-4918; MW-4918B; MW-4927l NW-4928C, and MW-4928A for the 4th quarter of 2006 and the first 3 quarters of 2007. The map contained information regarding depths to groundwater at each landfill. This data is used in the risk assessment evaluation.

The California Environmental Protection Agency's Department of Toxic Substances Control (DTSC) provides an environmental fate and transport model that can be used to estimate indoor air concentrations from chemicals in groundwater (CalEPA, 2005). This model is available on-line at www.dtsc.ca.gov. The model can also be used to estimate concentrations required such that exposures do not results in exceeding an acceptable target cancer risk level of 1 in 1 million (1×10^{-6}, or 1E-06) and a target noncancer hazard index of 1. These concentrations are referred to as risk-based groundwater concentrations (RBCs). RBCs for each detected chemical are compared with the maximum detected concentration of each chemical to assess if target risk and/or cancer levels have been exceeded. The following paragraphs describe the input into the environmental fate and transport model and risk assessment and the results.

2.0 Methodology

Groundwater data from the samples taken from groundwater monitoring wells MW-4918; MW-4918B; MW-4927; MW-4928C, and MW-4928A in the 4th quarter of 2006 and the first 3 quarters of 2007 were used in this risk assessment. Groundwater monitoring wells MW-4918 and 4918B are located below the Penrose Landfill. Groundwater monitoring wells MW4927 and 4928C are located below the Newberry Landfill. Groundwater monitoring well MW-4928A is located below the Strathern Landfill. A summary of the groundwater monitoring results for each landfill is presented in Tables 1, 2, and 3, respectively.

DTSC's version of the Johnson and Ettinger Model was accessed via the internet. The minimum depth to groundwater for all of the monitoring wells (310 feet below ground surface, or 94.5 meters below ground surface) was input into the model. All other model parameters were assumed to be the same as the default values (e.g., soil type was sand; exposure duration was 30 years; exposure frequency was 350 days per year). The model was run for a residential scenario (i.e., assumes a home will be built above the monitoring well). The residential scenario is more conservative than the commercial building or outdoor industrial scenario. Therefore, results using the residential scenario will be adequate for the other scenarios. The model calculates the RBC necessary to obtain a

cancer risk of 1 in 1 million (1×10^{-6}) and a noncancer hazard index of 1. The model runs are presented in Attachment A.

3.0 Results

The results of the evaluation for the Penrose, Newberry, and Strathern Landfills are presented in Tables 1, 2, and 3 respectively. At presented in the tables, the RBCs for each detected chemical are well above the maximum concentrations of chemicals detected in the groundwater monitoring wells. Therefore, cancer risk is not expected to exceed 1×10^{-6} and the noncancer hazard index is not expected to exceed 1. DTSC's *Preliminary Endangerment Assessment Guidance Manual* (CalEPA, 1994) states *"In general, a risk estimation greater than 10-6 or a hazard index greater than 1 indicate the presence of contamination which may pose a significant threat to human health."* The results of this assessment show that cancer risks from vapor intrusion into indoor air from chemicals in groundwater for a hypothetical resident are insignificant. The noncancer hazard is also insignificant.

4.0 Conclusions

In conclusion, DTSC's environmental fate and transport model was run for each chemical detected in groundwater to estimate concentrations of chemicals that would result in indoor air exposures that would not exceed an acceptable cancer risk and noncancer hazard to a hypothetical resident. The results showed that, given the most recent information regarding groundwater concentrations, the cancer risk and noncancer hazard are less than California EPA's levels of concern for hypothetical residents.

	Maximum Concentration	Risk-based Concentration
	.94	ne
	0.02	16
	24	ne
	7.6	ne
	0.28	ne
	4.6	420000
	0.8	175000
	1.7	146
	43.2	3230
	25.2	1310
	20.8	34
	11	8370
	39.1	182

TABLE 1: Penrose Landfill

		Concentration in Groundwater in micrograms per liter (ug/l)									
Chemical	Volatile?	MW-4918 4th 06	MW-4918 1st 07	MW-4918 2nd 07	MW-4918 3rd 07	MW-4918B 4th 06	MW-4918B 1st 07	MW-4918B 2nd 07	MW-4918B 3rd 07	Maximum Concentration	Risk-based Concentration
N-Nitrosodimethylamine	no	nd	nd	.84j	nd	.94j	nd	.54j	nd	.94j	ne
1,2,3 trichloropropane	yes	nd	nd	nd	nd	nd	.0017j	nd	0.026	0.026	16
1,4 Dioxane	no	<2	1.53j	nd	.46j	<2	5.18	17.7	24	24	ne
Perchlorate	no	2.2	nd	nd	nd	7.8	nd	nd	nd	7.8	ne
Hexavalent Chromium	no	nd	0.15j	0.24j	0.28j	nd	0.15j	0.24j	0.28j	0.28j	ne
Chlorobenzene	yes	nd	.32j	nd	.6j	4.8	2.8	3.3	4.2	4.8	42000
1,2-dichlorobenzene	yes	nd	nd	nd	nd	nd	.5j	.6j	.8j	0.8	17500
1,4-dichlorobenzene	yes	nd	nd	nd	.47j	nd	1.4	1.5	1.7	1.7	146
1,1-dichloroethene	yes	43.8	11.8	4.7	1.1	nd	.5j	nd	nd	43.8	3230
cis 1.2-dichloroethene	yes	2.1	2.6	2.2	3.8	25.2	10.8	15	19.1	25.2	1310
Tetrachloroethylene	yes	7.4	12.3	13.2	20.5	8.6	6.3	4.7	5.7	20.5	34
1,1,1 trichloroethane	yes	11	nd	nd	nd	nd	nd	nd	n	11	837(
Trichloroethylene	yes	12.6	8.6	5.2	4.9	35.8	36.6	37.1	39.7	39.7	162

nd - not detected

j - estimated concentration
ne - not evaluated because chemical is not volatile

16 Main Street, Ladera Ranch, CA 92694 Telephone 949 481 8600 Fax 949 481 8700 E-Mail jpowder@cox.net

TABLE 2: Newberry Landfill

		Groundwater Concentration in micrograms per liter (ug/l)									
Chemical	Volatile?	MW-4927 4th 06	MW-4927 1st 07	MW-4927 2nd 07	MW-4927 3rd 07	MW-4928c 4th 06	MW-4928c 1st 07	MW-4928c 2nd 07	MW-4928c 3rd 07	Maximum Concentration	Risk-Based Concentration
N-Nitrosodimethylamine	no	nd	0.78j	nd	nd	nd	nd	0.42j	nd	0.78j	ne
1,2,3 trichloropropane	yes	nd	nd	nd	nd	nd	nd	nd	nd	nd	16
1,4 Dioxane	no	<2	nd	nd	nd	<2	nd	nd	0.55j	.55j	ne
Perchlorate	no	nd	nd	0.41j	nd	nd	1.4j	18	nd	18	ne
Hexavalent Chromium	no	nd	0.25j	nd	0.38j	0.51j	1.07	1.27	1.19	1.27	ne
Dichlorodifluoromethane	yes	nd	nd	nd	nd	18.3	nd	nd	nd	18.3	984.0
1,1 Dichloroethane	yes	nd	nd	nd	nd	1.3	.82j	.7j	nd	0.8	391.0
1,2 Dichloroethane	yes	nd	nd	nd	nd	nd	nd	nd	0.21	0.21	123.0
Tetrachloroethylene	yes	1.7	1.8	1.4	1.5	7.48	10.3	8.7	11.9	11.9	33.8
1,1,1 Trichloroethane	yes	nd	nd	nd	nd	nd	nd	nd	nd	nd	8370.0
Trichloroethylene	yes	nd	nd	nd	.24j	.21j	.26j	.2j	nd	0.24	162.0

nd - not detected

j - estimated concentration

ne - not evaluated because chemical is not volatile

TABLE 3: Strathern Landfill

		Concentration in Groundwater in micrograms per liter (ug/l)					
Chemical	Volatile?	MW-4928a 4th 06	MW-4928a 1st 07	MW-4928a 2nd 07	MW-4928a 3rd 07	Maximum Concentration	Risk-Based Concentration
N-Nitrosodimethylamine	no	nd	0.65j	0.59j	nd	0.65j	ne
1,2,3 trichloropropane	yes	nd	nd	nd	nd	nd	16
1,4 Dioxane	no	<2	nd	nd	nd	<2	ne
Perchlorate	no	nd	nd	0.93j	1.5j	1.5j	ne
Hexavalent Chromium	no	0.68j	1.2	1.14	1.08	1.2	ne
1,2,3 trichloropropane	yes	nd	nd	nd	nd	nd	16
Dichlorodifluoromethane	yes	18.3	nd	nd	nd	18.3	984.0
1,1 Dichloroethane	yes	1.3	nd	nd	nd	1.3	391.0
Tetrachloroethylene	yes	2.1	1.5	1.3	2.01	2.1	33.8

nd - not detected

j - estimated concentration

ne - not evaluated because chemical is not volatile

TARGHEE, INC.
ENVIRONMENTAL CONSULTING

October 2, 2007

Mr. Robert McAllister
Los Angeles By-Products Company
10940 Portal Drive
Los Alamitos, CA 90720-3482

Re: **Fourth Quarter 2006** Groundwater Monitoring Report
Los Angles By-Products Company
Penrose, Newberry & Strathern Landfills
8230 Tujunga Avenue, Sun Valley, CA 91352

Dear Robert:

Enclosed please find one original and one copy of Targhee, Incorporated's Fourth Quarter 2006 Groundwater Monitoring Report for the above-referenced properties. I have also enclosed a copy of the report on a CD-ROM.

Please contact the undersigned if you have any questions or comments regarding the enclosed report.

Sincerely,

Charles F. Lindeman
Environmental Consultant
REA II - 20251

Enclosure

cc: Ms. Rachel Loftin (1 original; 2 copies; 1 CD)
Unites States Environmental Protection Agency

Raul Montes, Esq. (1 original; 2 copies; 1 CD)
Greenwald, Hoffman, Meyers & Montes

Anita Sokolsky, Esq. (1 copy; 1 CD)

110 Pine Avenue, Suite 925, Long Beach, CA 90802-4455
www.targheeinc.com
TEL 562-435-8080 FAX 562-590-8795

TARGHEE, INC.
ENVIRONMENTAL CONSULTING

October 2, 2007

Mr. Rod Nelson
Regional Water Quality Control
Board, Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Re: **Fourth Quarter 2006** Groundwater Monitoring Report
Los Angles By-Products Company
Penrose, Newberry & Strathern Landfills
8230 Tujunga Avenue, Sun Valley, CA 91352

Dear Mr. Nelson:

Enclosed please find one original and two copies of Targhee, Incorporated's Fourth Quarter 2006 Groundwater Monitoring Report for the above-referenced properties. I have also enclosed a copy of the report on a CD-ROM.

Please contact the undersigned if you have any questions or comments regarding the enclosed report.

Sincerely,

Charles F. Lindeman
Environmental Consultant
REA II - 20251

Enclosure

cc: Mr. Robert McAllister (1 original; 1 copy; 1 CD)
Los Angeles By-Products

Ms. Rachel Loftin (1 original; 2 copies; 1 CD)
Unites States Environmental Protection Agency

Raul Montes, Esq. (1 original; 2 copies; 1 CD)
Greenwald, Hoffman, Meyers & Montes

Anita Sokolsky, Esq. (1 copy; 1 CD)

110 Pine Avenue, Suite 925, Long Beach, CA 90802-4455
www.targheeinc.com
TEL 562-435-8080 FAX 562-590-8795

FOURTH QUARTER 2006
GROUNDWATER MONITORING REPORT

Los Angeles By-Products Company
Penrose and Newberry Landfills
8230 Tujunga Avenue, Sun Valley, CA 91352

August 2007

Charles F. Lindeman
Environmental Consultant
REA II - 20251

J.C. Williams
Professional Geologist No. 6895

Submitted by:

Targhee, Incorporated
110 Pine Avenue, Suite 925
Long Beach, California 90802-4455
www.targheeinc.com
(562) 435-8080

TABLE OF CONTENTS

	Page
INTRODUCTION	1
SITE INFORMATION	1
BACKGROUND	2
HYDROGEOLOGY	3
Regional Hydrogeology	3
Site Hydrology	4
GROUNDWATER SAMPLING	5
GROUNDWATER ANALYSES	6
ANALYTICAL RESULTS	7
Data Quality Assurance	7
Emergent Chemicals	7
Volatile Organic Chemicals	7
Title 22 Metals	8
Inorganic Chemicals	8
CONCLUSIONS	9

TABLES

Request for Analyses	Table 1
Organic Groundwater Analyses, 4th Quarter 2006	Table 2
Inorganic Groundwater Analyses, 4th Quarter 2006	Table 3

TABLE OF CONTENTS
(continued)

FIGURES

Local Area Map. . . . . Figure 1

Monitoring Well Locations. . . . . Figure 2

Provisional Groundwater Elevations . . . . . Figure 3

APPENDICES

Well Sampling Data Logs . . . . . Appendix A

Chain-of-Custody Forms and Laboratory
Report of Analytical Results. . . . . Appendix B

TARGHEE, INC.
ENVIRONMENTAL CONSULTING

FOURTH QUARTER 2006
GROUNDWATER MONITORING REPORT

Los Angeles By-Products Company
Penrose and Newberry Landfills
8230 Tujunga Avenue, Sun Valley, CA 91352

INTRODUCTION

On January 25, 2007, Targhee, Incorporated performed a groundwater monitoring and sampling program at Los Angeles By-Products' Penrose and Newberry landfills located at 8230 Tujunga Avenue in Sun Valley, California (Figure 1 - Local Area Map).

The scope of work for this groundwater monitoring event includes measuring the depth to groundwater and the sampling and analysis of groundwater collected from monitoring wells MW-4918, MW-4918B and MW-4927.

SITE INFORMATION

The site contact and responsible party are as follows:

Mr. Robert McAllister
Los Angeles By-Products Company
10940 Portal Drive
Los Alamitos, CA 90720-3482

714-828-3090 phone
714-828-3900 fax

The closed Penrose, closed Newberry, and the active Strathern landfills are located along the east and west sides of Tujunga Avenue in Sun Valley, Los Angeles County, California. The general location of the three landfills is depicted in Figure 1 (Local Area Map). The location of the landfills and monitoring wells with respect to the local area is depicted in Figure 2 (Monitoring Well Locations).

The landfills occupy an area of approximately 100 acres with many of the wells located along the perimeter. Residential neighborhoods and a park are located along the western, southern and eastern boundaries, while light industrial and manufacturing uses are located along the northern boundary of the landfills.

The topography of the three subject landfills is generally flat. The landfills are located within the area defined by Strathern Street to the south, Irvine Avenue to the west, Tuxford Street and Roscoe Boulevard to the north and Fair Avenue to the east. The Golden State Freeway (5) and San Fernando Road are located northeast of the landfills. The specific location of the landfills and monitoring wells are shown in Figure 1.2.

BACKGROUND

The closed Penrose Landfill is owned and was operated by Los Angeles By-Products Company. Prior to its use as a landfill, the Penrose landfill was a gravel pit. The landfill operated under a valid Class II-2 permit issued in 1962 and accepted household rubbish until its closure in 1985. The landfill is currently in post-closure monitoring. A landfill-gas extraction and energy recovery system is currently operating at the landfill.

The closed Newberry Landfill was reportedly operated by a Mr. Arthur Kazarian. Los Angeles By-Products is the property owner. Prior to its use as a landfill, the Newberry Landfill was a gravel pit. The landfill accepted rubbish from around 1948 until its closure in May 1955. The landfill is currently in post-closure monitoring.

The Strathern Landfill is owned and operated by Los Angeles By-Products and is currently an operating "inerts" landfill that opened on September 21, 1992. Prior to its use as a landfill, the Strathern Landfill was a gravel pit. The Strathern Landfill accepts only inert waste such as asphalt, brick, uncontaminated soil and aggregates.

A Solid Waste Assessment Test ("SWAT") was completed for the Penrose and Newberry landfills in the late 1980s. A Supplemental SWAT encompassing the Penrose and Newberry landfills was prepared by Law Environmental, Inc. in 1989. The Supplemental SWAT concluded that there was no apparent threat to groundwater from landfill gas or migration from the Penrose and Newberry Landfills and that landfill gas was being effectively controlled at the Penrose Landfill by the landfill gas collection system. The trash appeared to be unsaturated, and there was no evidence of leachate production at the Penrose and Newberry landfills.

The Strathern Landfill monitoring program requires semi-annual groundwater monitoring. According to URS Corporation's January 19, 2006, "Second 2005 Semi-Annual Groundwater Monitoring Report" for the Strathern Landfill, groundwater beneath the Strathern Landfill meets all California Drinking Water Standards for organic chemicals and, with the

exception of total dissolved solids, also meets all California Drinking Water Standards inorganic parameters. The report concluded that "*…because the landfill receives inert solid waste and the amount of water-soluble material is negligible, URS believes the potential for leachate from the landfill continues to be low*".

There is no known contamination emanating from the Penrose, Newberry and Strathern landfills. As discussed above, except for total dissolved solids, the groundwater under the Strathern Landfill has met California Drinking Water Standards, and no contaminated leachate is expected due to the inert nature of the wastes deposited.

HYDROGEOLOGY

The hydrogeology of the vicinity of the site was determined from available published literature, consultant reports, and from observations made during the monitoring event.

Regional Hydrogeology

Law Environmental, Inc.'s June 29, 1988, Solid Waste Assessment Test (SWAT) Water report for the Penrose and Newberry Landfills, states, in part, the following:

> *The geologic units found beneath the site area, from youngest to oldest: 1) Holocene alluvium, 2) upper Pleistocene (older) alluvium, 3) Plio-Pleistocene Saugus Formation, 4) Miocene sedimentary formations, and 5) pre-Cretaceous crystalline and metamorphic rocks.*
>
> *Most of the ground water within a mile of the site is within the Pleistocene alluvium. The Holocene alluvium is more than 100 feet above the perennial ground water surface. The Holocene alluvium transmits water to the Pleistocene alluvium during recharge events. The Miocene and pre-Cretaceous rocks beneath the alluvium are not used for water supply because they do not contain economically exploitable volumes of water.*
>
> *The Holocene alluvium lies above the main waterbearing portion of the alluvium.*
>
> *Most of the usable ground water beneath the site lies within the Pleistocene alluvium and is within the main San Fernando Valley Hydrologic area. This geologic unit…consists of over 450 feet of sand, gravel and boulders with red clay lenses. Both alluvium units unconformably overlie the underlying bedrock.*
>
> *Ref: California Water Rights Board, 1962, "Report of Referee, The City of Los Angeles vs. City of San Fernando, et al.," No. 650079.*

Site Hydrology

DEPTH TO WATER MEASUREMENTS – 4TH QUARTER 2006

January 25, 2007 Groundwater Elevation (Provisional)			
Well I.D.	**Top of Casing* (feet above sea level)**	**Depth to Groundwater (below top of casing)**	**Groundwater Elevation (ft)**
4918	822.94**	322.23	500.71
4918B	810.38	312.24	498.14
4927	827.58	325.33	502.25

*Solid Waste Assessment Test (SWAT) Water, Penrose and Newberry Landfills, Law Environmental, Inc., June 29, 1988

**In order to facilitate removal of the dedicated pump and packer prior to rehabilitation of Well 4918, the top 4.19 feet (50.25 inches) of well casing was removed. Therefore, the top-of-casing elevation for MW-4918 should be considered provisional until the well casing elevation can be reverified (Groundwater Monitoring Well Video Logging Work Plan (Attachment A), Targhee, Inc., Rev. April 4, 2007.

Historic documentation of groundwater flow beneath the Penrose, Newberry and Strathern landfills has consistently shown a south to southeasterly groundwater flow direction. However, as shown in Figure 3, based on the June 2007 groundwater elevation data, the current, generalized groundwater flow direction beneath the site is to the south-southwest.

The current flow pattern of groundwater appears to be influenced by the ongoing daily infiltration of street runoff to the subsurface at the washed-out Tujunga Avenue roadbed directly south of MW-4927C.

GROUNDWATER SAMPLING

Groundwater sampling for the 4th Quarter of 2006 was conducted on January 25, 2007. During implementation of the groundwater monitoring event, no significant deviation from the Quality Assurance Project Plan (January 2007) occurred.

All downhole equipment was pre-cleaned before insertion into the monitoring wells. Prior to purging and sampling, the three groundwater monitoring wells (MW-4918, MW-4918B and MW-4927) were measured to determine the current water levels. Water levels were measured to an accuracy of 0.01 feet in each of the monitoring wells using a Solinst Water Level Indicator. The water-level measurements were used to determine the volume of water present in each of the wells, as well as the direction and gradient of the groundwater flow beneath the site. The total depth of each of the three wells was measured during inspection and rehabilitation of the wells on January 22 and 23, 2007.

Following the completion of water level measurements and prior to the collection of groundwater samples, approximately 225 gallons (i.e., three-plus well volumes) of groundwater were purged from monitoring well MW-4918, approximately 390 gallons (i.e., three-plus well volumes) of groundwater were purged from monitoring well MW-4918B and approximately 255 gallons (i.e., three-plus well volumes) of groundwater were purged from monitoring well MW-4927 using a three-inch stainless steel Grundfos submersible pump. Prior to connection to the pump and insertion into each of the three wells, the pump and individual 10-foot lengths of stainless steel tubing were steam cleaned inside and out.

Purge rates between 4 and 5 gallons per minute were maintained during purging of the three wells. Drawdown was not experienced in any well. The temperature, pH, and conductivity were measured by Targhee after the removal of each well volume. Measurements were within 10% of each other following the removal of three well volumes in each of the wells. At a minimum, turbidity was measured during the removal of the final well volume. The testing instruments (Hanna Temperature-Conductivity-pH Tester and LaMotte Model 2008 Turbidity Meter) were calibrated according to the manufacturer's instructions prior to use. The values for the measurements of these above-stated parameters are shown on the January 25, 2007 Well Sampling Data Logs contained in Appendix A.

Groundwater samples were placed directly into the appropriate laboratory-supplied containers (i.e., 40-ml VOA container, 1-liter amber glass bottle, 125-ml poly container, 500-ml poly container or 1-liter poly container) based on the analysis to be performed. Detailed information regarding the specific analysis requested, preservative and container requirements and holding times for the groundwater samples taken during this monitoring event is presented in Table 1 (Request for Analyses).

After collection, all samples were placed in an iced cooler at 4°C for transportation to American Scientific Laboratories, LLC, a State-certified laboratory (CA DHS ELAP No. 2200). Standard Chain-of-Custody procedures were maintained on all samples. The Chain-of-Custody Record with a request for analysis was initiated in the field by Targhee. Each time responsibility for custody of the samples changed, the receiving and relinquishing custodians signed the record and entered the date and time of transfer of the samples. The laboratory signed for the receipt of the samples and returned a copy of the Chain-of-Custody Record to Targhee.

GROUNDWATER ANALYSES

All groundwater samples were submitted to American Scientific Laboratories, 2520 North San Fernando Road, Los Angeles, CA 90065 (CA-DHS ELAP No. 2200) and analyzed for the following organics:

- Volatile Organic Compounds ("VOCs"); Benzene, Toluene, Ethyl-benzene, Xylenes ("BTEX") and Methyl tert-Butyl Ether ("MTBE") by EPA Method 8260B.
- N-Nitrosodimethylamine ("NDMA") by EPA Method 1625M.
- 1,2,3-Trichloropropane by EPA Method 524.2M SIM.
- 1,4-Dioxane by EPA Method 8270C.

Additionally, all groundwater samples were analyzed for the following inorganic constituents:

- Alkalinity by EPA Method SM2320B
- Total Hardness (as $CaCO_3$) by EPA Method 130.2
- Total Dissolved Solids ("TDS") by EPA Method 160.1
- Perchlorate by EPA Method 314.0
- Fluoride, Chloride, Nitrite, Nitrate and Sulfate ("Anions") by EPA Method 300 Series
- Sulfide by EPA Method 376.2
- Total Organic Carbon ("TOC") by EPA Method 415.2
- Calcium, Magnesium, Potassium and Sodium ("Cations") by EPA Method 6010B
- CCR Title 22 Metals by EPA Methods 6010B/7470A
- Hexavalent Chromium by EPA Method 7199

Analytical results for groundwater samples collected from the three monitoring wells on January 25, 2007 can be found in Table 2 (Organic Groundwater Analyses, 4th Quarter 2006) and Table 3 (Inorganic Groundwater Analyses, 4th Quarter 2006). The laboratory report of analytical results and Chain-of-Custody form can be found in Appendix B.

ANALYTICAL RESULTS

Data Quality Assurance

A review of the laboratory's Quality Control Reports for each of the analyses performed did not reveal any items that would invalidate the data. All samples were either analyzed or prepared within their respective holding times.

Emergent Chemicals

NDMA was detected in a single well (MW-4918) at a concentration of 0.94 J nanograms per liter ("ng/L" or parts per trillion). The concentration of NDMA detected in MW-4918B is below the analytical method's Practical Quantitation Limit ("PQL") of 2.0 ng/L, but above the analytical method's Method Detection Limit ("MDL") of 0.23 ng/L and, therefore, is considered a semi-quantitative result.

Perchlorate was detected in MW-4918 at a concentration of 2.2 micrograms per liter (µg/L") and in MW-4918B at a concentration of 7.8 µg/L. Perchlorate was also detected in duplicate sample D4918B (10 µg/L) and matrix spike sample 4918BMS (12 µg/L). Both sample D4918B and sample 4918BMS were duplicate samples collected from MW-4918B.

The emergent chemicals 1,2,3-Trichloropropane ("1,2,3-TCP") and 1,4-Dioxane were not detected in any groundwater sample collected from the three wells.

Volatile Organic Chemicals

MW-4918 contained detectable concentrations of 1,1-Dichloroethene (43.8 µg/L), cis-1,2-Dichloroethene (2.1 µg/L), Perchloroethene (7.4 µg/L), Trichloroethene (11 µg/L) and 1,1,1-Trichloroethane (12.6 µg/L). No other VOCs were detected in MW-4918.

The concentrations of Perchloroethene ("PCE"), Trichloroethene ("TCE") and 1,1,1-Trichloroethane ("TCA") detected in upgradient monitoring well MW-4918 evidence an off-site source for the VOCs detected beneath the Penrose Landfill.

MW-4918B contained detectable concentrations of Chlorobenzene (4.8 µg/L), cis-1,2-Dichloroethene (25.2 µg/L), PCE (8.6 µg/L) and TCE (35.8 µg/L). No other VOCs were detected in MW-4918B.

MW-4927 contained detectable concentrations of Perchloroethene (7.4 µg/L) only. No other VOCs were detected in MW-4927. As monitoring well MW-4927 is located at the upgradient property line of the Newberry landfill, the PCE detected in MW-4927 originates from an off-site source.

Duplicate sample D4918B, collected from MW-4918B, contained detectable concentrations of Chlorobenzene (4.7 µg/L), 1,2-Dichlorobenzene (0.61 J µg/L), cis-1,2-Dichloroethene (27.3 µg/L), PCE (8.0 µg/L) and TCE (35.2 µg/L). Matrix spike sample 4918BMS, also collected from MW-4918B, contained detectable concentrations of Chlorobenzene (4.7 µg/L), 1,2-Dichlorobenzene (0.69 J µg/L), cis-1,2-Dichloroethene (27.5 µg/L), PCE (7.9 µg/L) and TCE (35.2 µg/L).

Title 22 Metals

Concentrations of Title 22 Metals exceeding Federal Maximum Contaminant Levels ("MCLs"), Action Levels ("ALs") or Secondary Standards for drinking water were not detected in any groundwater sample. Concentrations of Title 22 Metals exceeding California MCLs or ALs for drinking water were not detected in any groundwater sample.

MW-4918 contained detectable concentrations of barium (0.164 milligram per Liter

["mg/L"] or parts per million), selenium (0.015 mg/L) and zinc (0.134 mg/L). No other Title 22 metals were detected in MW-4918.

MW-4918B contained detectable concentrations of barium (0.23 mg/L), molybdenum (0.002 J mg/L) and zinc (0.05 mg/L). No other Title 22 metals were detected in MW-4918B.

MW-4927 contained detectable concentrations of barium (0.192 mg/L), selenium (0.013 mg/L) and zinc (0.143 mg/L). No other Title 22 metals were detected in MW-4927.

Duplicate sample D4918B, collected from MW-4918B, contained detectable concentrations of barium (0.23 mg/L), molybdenum (0.002 J mg/L) and zinc (0.03 mg/L), as well as chromium (0.006 J mg/L), nickel (0.003 J mg/L) and selenium (0.015 mg/L). The concentrations of molybdenum, chromium and nickel detected in duplicate sample D4918B are below the analytical methods' PQL, but above the analytical methods' MDL and, therefore, are considered semi-quantitative results.

Matrix spike sample 4918BMS, collected from MW-4918B, contained detectable concentrations of barium (0.231 mg/L), molybdenum (0.002 J mg/L) and zinc (0.032 mg/L), as well as chromium (0.007 J mg/L), nickel (0.003 J mg/L) and selenium (0.014 mg/L). The concentrations of molybdenum, chromium and nickel detected in matrix spike sample 4918BMS are below the analytical methods' PQL, but above the analytical methods' MDL and, therefore, are considered semi-quantitative results.

Equipment blank sample 012507EB, which was collected by pouring distilled water through a 10-foot section of the stainless steel riser, contained 0.05 mg/L of zinc. No other Title 22 metals were detected in equipment blank sample 012507EB.

Hexavalent chromium was not detected in any groundwater sample collected from the three monitoring wells.

Inorganic Chemicals

Concentrations of inorganic chemicals exceeding Federal MCLs or ALs for drinking water were not detected in any groundwater sample. Only Total Dissolved Solids exceeded the Federal Secondary Standards for drinking water.

Concentrations of inorganic chemicals exceeding California MCLs or ALs for drinking water were not detected in any groundwater sample.

CONCLUSIONS

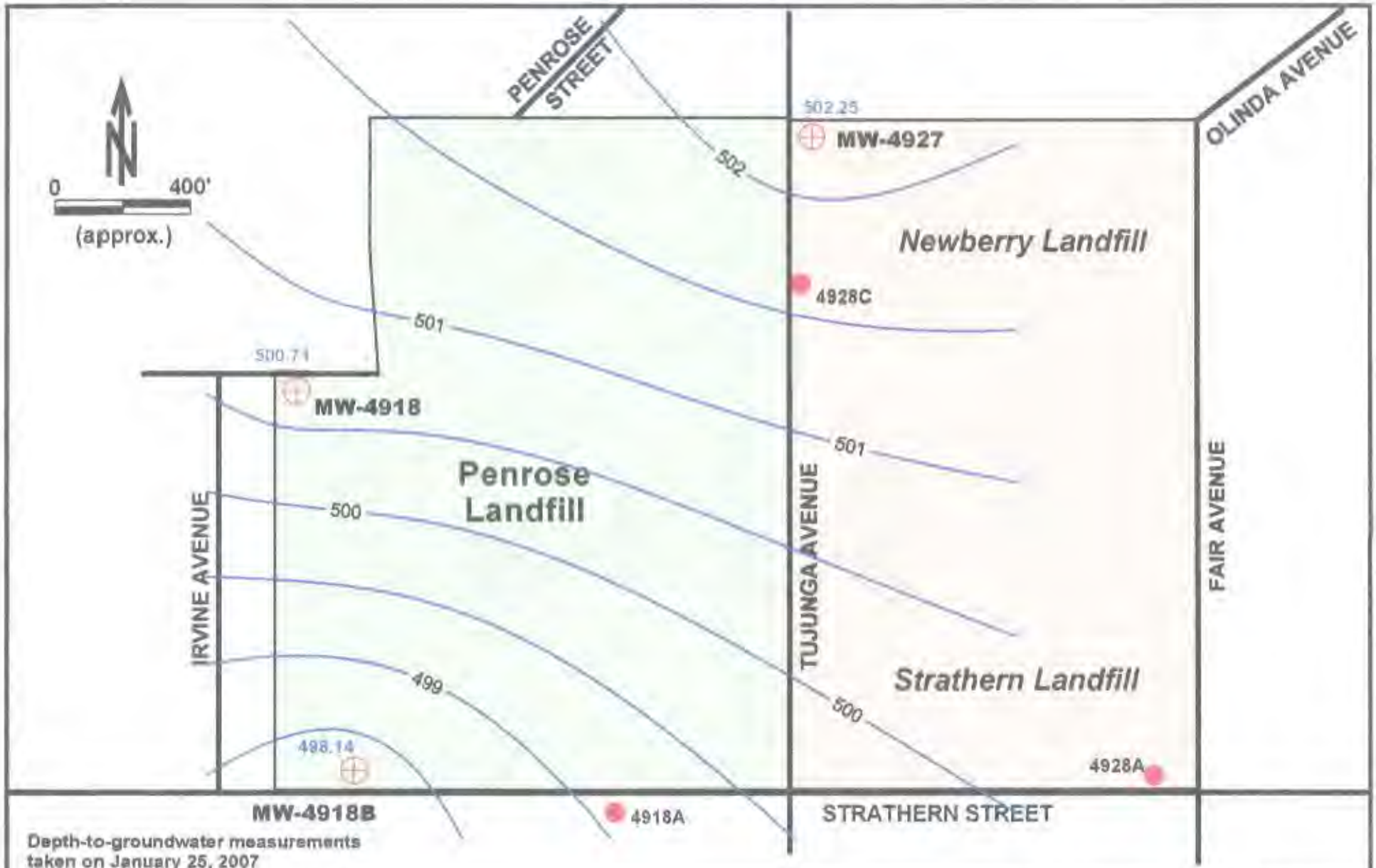
The concentrations of PCE, TCE and TCA detected in upgradient monitoring well MW-4918, as well as the concentrations of PCE detected in upgradient monitoring well MW-4927, evidence an off-site source for the VOCs detected beneath the Penrose and Newberry Landfills.

Based on the historic groundwater flow direction beneath the Penrose Landfill (i.e., to the southeast), the concentrations of VOCs detected in monitoring well MW-4918B originate from an off-site source.

Cis-1,2-DCE and 1,1-DCE are degradation products of PCE and TCE. Their presence in monitoring wells containing PCE and TCE indicates that degradation of the PCE and TCE is occurring through natural attenuation.

② Newberry Landfill: Tujunga Av, Sun Valley, 91352, 532 J2
① Penrose Landfill: Tujunga Avenue, Sun Valley, 91352, 532 H2
③ Strathern Landfill: Tujunga Avenue, Sun Valley, 91352, 532 J2

Penrose St
Goss St
Dora St
Vinedale St
Olinda St
Roscoe Blvd
4927
Newberry Landfill
8230 tujunga, sun valley, ca
4928C
4928B
4918
Penrose Landfill
Irvine Ave
4928
Strathern Landfill
Tujunga Ave
Fair Ave
Lorne S
4918B
4928A
Strathern St
4918A
© 2006 Europa Technologies
© 2006 Navteq
Blythe St
Figure 2
Google
Pointer 34°13'06.19" N 118°22'43.90" W elev 804 ft Streaming 100% Eye alt 4542 ft



TARGHEE, INC.
ENVIRONMENTAL CONSULTING

PROVISIONAL GROUNDWATER ELEVATIONS - 4th Quarter 2006

Penrose, Newberry & Strathern Landfills
8230 Tujunga Avenue, Sun Valley, CA 91352

FIGURE 3	AUGUST 2007

Table 1
Request For Analyses
Penrose, Newberry and Strathern Landfills Quarterly Groundwater Sampling Event
(Matrix Groundwater)

Table 1

			Organics			Inorganics		
Specific Analysis Requested			VOC & MTBE 8260B	1,4-Dioxane 8270C-MOD	1,2,3-Trichloropropane 524.2 - SIM 8270-Mod	NDMA 1625C	TOC 415.2	Sulfide
Analytical Holding Time			< 14 Days	<7 Days Extraction <40 days analysis	<14 Days	<7 Days	<28 days	<7 Days
Preservatives			Add 1:1 HCl to pH <2; chill to 4°C	chill to 4°C	Add 1:1 HCl to pH <2; chill to 4°C	Chill to 4°C	H_2SO_4 to pH <2; chill to 4°C	NaOH +ZNAC pH>9; cool to 4°C
Sample Containers			3 x 40 ml VOA Vials	1 x Liter Amber Glass	3 x 40 ml VOA Vials	2 x Liter Amber Glass	1 @ 125 ml Polyethylene	1 x 500 ml Polyethylene
Sample Location	Sample Schedule Day	Con.						
MW-4918	Day 1	Low	X	X	X	X	X	X
MW-4918B	Day 1	Low	X	X	X	X	X	X
MW-4927	Day 1	Low	X	X	X	X	X	X
MW-4928A	Day 1	Low	X	X	X	X	X	X
MW-4928C	Day 1	Low	X	X	X	X	X	X
Duplicate	Day 1	Low	X	X	X	X	X	X
Field/Equip. Blank	Day 1	Low	X	X	X	X	X	X
MS/MSD	Day 1	Low	X	X	X	X	X	X
	Total Containers		27	9	27	18	9	9
CAM Metals Include: Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Th, V, Zn.								

Table 1
Request For Analyses
Penrose, Newberry and Strathern Landfills Quarterly Groundwater Sampling Event
(Matrix Groundwater)

Table 1

Specific Analysis Requested			Perchlorate 314	Dissolved CAM* Metals 6010B	Hexavalent Chromium 7199	Nitrite/Nitrate 300	Chloride, Sulfate Fluoride 300.0	Calcium Magnesium Sodium Potassium 6010B	Alkalinity
Analytical Holding Time			<28 days	<180 days	<24 Hours	<48 Hours	<28 days	<28 days	<14 days
Preservatives			Chill to 4°C	HNO_3 pH<2 chill to 4°C	Chill to 4°C	Chill to 4°C	Chill to 4°C	Chill to 4°C	Chill to 4°C
Sample Containers			1 x 500 ml Polyethylene	1 x 500 ml Polyethylene	1 x 500 ml Polyethylene	1 x Liter Polyethylene			
Sample Location	Sample Schedule Day	Con.							
MW-4918	Day 1	Low	X	X	X	X	X	X	X
MW-4918B	Day 1	Low	X	X	X	X	X	X	X
MW-4927	Day 1	Low	X	X	X	X	X	X	X
MW-4928A	Day 1	Low	X	X	X	X	X	X	X
MW-4928C	Day 1	Low	X	X	X	X	X	X	X
Duplicate	Day 1	Low	X	X	X	X	X	X	X
Field/Equip. Blank	Day 1	Low	X	X	X	X	X	X	X
MS/MSD	Day 1	Low	X	X	X	X	X	X	X
	Total Containers		9	9	9	9	9	9	9
CAM Metals Include: Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Th, V, Zn.									

Table 1
Request For Analyses
Penrose, Newberry and Strathern Landfills Quarterly Groundwater Sampling Event
(Matrix Groundwater)

Table 1

Specific Analysis Requested			Total Dissolved Solids	Hardness
Analytical Holding Time			<7 days	< 6 months
Preservatives			Chill to 4°C	HNO_3 pH<2 chill to 4°C
Sample Containers				1 x 250 ml Polyethylene
Sample Location	Sample Schedule Day	Con.		
MW-4918	Day 1	Low	X	X
MW-4918B	Day 1	Low	X	X
MW-4927	Day 1	Low	X	X
MW-4928A	Day 1	Low	X	X
MW-4928C	Day 1	Low	X	X
Duplicate	Day 1	Low	X	X
Field/Equip. Blank	Day 1	Low	X	X
MS/MSD	Day 1	Low	X	X
	Total Containers		9	9
CAM Metals Include: Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Th, V, Zn.				

Table 2
Organic Groundwater Analyses
4th Quarter 2006

Analysis	EPA Method	Units	Detection Limit		QA/QC	Holding Time	4918	4918B	4927	D4918B (Duplicate)	4918B Matrix Spike	01-25-07 Equipment Blank	Method Blank
			MDL	PQL									
N-Nitrosodimethylamine (NDMA)	1625M	ng/L	0.23	2	Within Limits	Within Limits	ND	0.94 J	ND	ND	ND	ND	ND
1,2,3-Trichloropropane (TCP)	524.2M-SIM	µg/L	0.0015	0.0050	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	8270C	µg/L	2.00	10.00	See Fotnote 1	Within Limits	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds	**8260B**	µg/L	-----	-----	Within Limits	Within Limits	-----	-----	-----	-----	-----	-----	-----
Chlorobenzene	8260B	µg/L	0.176	1.0	---	---	ND	4.8	ND	4.7	4.7	ND	ND
1,2-Dichlorobenzene	8260B	µg/L	0.358	1.0	---	---	ND	ND	ND	0.61 J	0.69 J	ND	ND
1,1-Dichloroethene	8260B	µg/L	0.355	1.0	---	---	43.8	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	8260B	µg/L	0.279	1.0	---	---	2.1	25.2	ND	27.3	27.5	ND	ND
Tetrachloroethene (PCE)	8260B	µg/L	0.421	1.0	---	---	7.4	8.6	1.7	8.0	7.9	ND	ND
1,1,1-Trichloroethane	8260B	µg/L	0.15	1.0	---	---	11.0	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	8260B	µg/L	0.117	1.0	---	---	12.6	35.8	ND	35.2	35.2	ND	ND
Remaining 8260B Compounds	8260B	µg/L	varies	varies	---	---	ND	ND	ND	ND	ND	ND	ND

Footnote No. 1 - 4918B and D4918B had low surrogate recovery due to matrix effect.

Table 3 - Inorganic Groundwater Analysis
4th Quarter 2006

Analysis	EPA Method	Units	Detection Limit		QA/QC	Holding Time	4918	4918B	4927	D4918B (Duplicate)	4918B Matrix Spike	01-25-07 Equipment Blank	Method Blank
			MDL	PQL									
Toal Dissolved Solids	160.1	mg/L	5	10	Within Limits	Within Limits	752	915	804	917	917	ND	ND
Total Hardness	130.2	mg/L	5	10	Within Limits	Within Limits	580	710	630	710	680	ND	ND
Chloride	300	mg/L	0.241	1.0	Within Limits	Within Limits	24.8	90.2	29.3	89.4	90.5	0.80 J	ND
Fluoride	300	mg/L	0.013	0.1	Within Limits	Within Limits	0.24	0.26	0.21	0.29	0.30	0.40	ND
Nitrite as N	300	mg/L	0.0052	0.050	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND
Nitrate as N	300	mg/L	0.007	0.1	Within Limits	Within Limits	6.86	0.08 J	7.72	0.06 J	0.07 J	ND	ND
Sulfate	300	mg/L	0.07	1.0	Within Limits	Within Limits	61.4	70.3	63.7	68	69.4	ND	ND
Perchlorate	314.0	µg/L	2.00	2.00	Within Limits	Within Limits	2.2	7.8	ND	10	12	1.4 J	ND
Sulfide	376.2	mg/L	0.01	0.02	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND
Total Organic Carbon (TOC)	415.2	mg/L	0.02	0.10	Within Limits	Within Limits	1.6	6.8	1.2	7.5	3.3	2.0	ND
Calcium	6010B	mg/L	0.08	0.25	Within Limits	Within Limits	170	196	171	201	204	1.0	ND
Mgnesium	6010B	mg/L	0.04	0.25	Within Limits	Within Limits	38.2	44	40.3	44.4	45	ND	ND
Potassium	6010B	mg/L	0.50	1.00	Within Limits	Within Limits	7.0	7.33	7.4	7.5	7.6	ND	ND
Sodium	6010B	mg/L	0.50	1.00	Within Limits	Within Limits	42.2	40.3	54	41.1	42	0.61 J	ND

Table 3 - Inorganic Groundwater Analysis
4th Quarter 2006

Analysis	EPA Method	Units	Detection Limit		QA/QC	Holding Time	4918	4918B	4927	D4918B (Duplicate)	4918B Matrix Spike	01-25-07 Equipment Blank	Method Blank
			MDL	PQL									
Antimony	6010B	mg/L	0.003	0.010	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND
Arsenic	6010B	mg/L	0.002	0.010	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND
Barium	6010B	mg/L	0.001	0.010	Within Limits	Within Limits	0.164	0.23	0.192	0.23	0.231	ND	ND
Beryllium	6010B	mg/L	0.0005	0.0050	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND
Cadmium	6010B	mg/L	0.0005	0.0050	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND
Chromium	6010B	mg/L	0.005	0.010	Within Limits	Within Limits	ND	ND	ND	0.006 J	0.007 J	ND	ND
Hexavalent chromium	7199	µg/L	0.144	1.0	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND
Cobalt	6010B	mg/L	0.001	0.010	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND
Copper	6010B	mg/L	0.005	0.010	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND
Lead	6010B	mg/L	0.002	0.005	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND
Mercury	7470A	mg/L	0.001	0.002	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND
Molybdenum	6010B	mg/L	0.001	0.010	Within Limits	Within Limits	ND	0.002J	ND	0.002 J	0.002 J	ND	ND
Nickel	6010B	mg/L	0.001	0.010	Within Limits	Within Limits	ND	ND	ND	0.003 J	0.003 J	ND	ND
Selenium	6010B	mg/L	0.004	0.010	Within Limits	Within Limits	0.015	ND	0.013	0.015	0.014	ND	ND
Silver	6010B	mg/L	0.008	0.010	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND
Thallium	6010B	mg/L	0.004	0.010	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND
Vanadium	6010B	mg/L	0.003	0.010	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND
Zinc	6010B	mg/L	0.001	0.010	Within Limits	Within Limits	0.134	0.05	0.143	0.03	0.032	0.05	ND

APPENDIX A

Well Sampling Data Logs

WELL SAMPLING DATA LOG

Ref Pt
827.1

PROJECT: LA Byproducts

DATE: 1/25/07 **WELL NO:** 4918 **SAMPLER:** CFL/JCW

827.13 Sweet
(-50.25") 1/22/07

WELL DATA:

Total Depth: 350.2 **Date/Time Measured:** 4.1875'

Depth to Water: 3 22.23 **Date/Time Measured:**

Volume of Water in Well: 28 **Feet,** **Gallons** 73 gal/vol 822.94

Well Depths:

827.13
-4.19
822.94

WELL PURGING DATA:

Purging Method: Sub. Pump 4.3 gal/min **Volume of Water Purged:** 225 gal +

Time Started: 1303 **Time Completed:** 1405

Parameters:

	Initial Reading	First Volume	Second Volume	Third Volume	Fourth Volume	Fifth Volume
Time	1303	1320	1337	1354		
Temperature	70.1	69.9	68.7	69.1		
Conductivity	1.26	1.20	1.16	1.19		
PH	6.72	6.80	6.78	6.75		
Turbidity			44.53	24.49		

Equipment Used: Hanna Temperature-Conductivity-pH tester
LaMotte Model 2008 Turbidity Meter

SAMPLE COLLECTION DATA:

Sample Containers: 6 VOAs / 1 1L Poly / 3 125ml Poly
3 1L Amber / 1 1/2L Poly

Analyses Performed: See CofC

Water Quality:

Slightly turbid

Ref P4
810.38
SWAT

WELL SAMPLING DATA LOG

PROJECT: LA Byproducts

DATE: 1/25/07 **WELL NO:** 4918B **SAMPLER:** CFL/JCW

WELL DATA:

Total Depth: 362' **Date/Time Measured:** 1/23/07

Depth to Water: 317.24 **Date/Time Measured:**

Volume of Water in Well: 50' **Feet,** **Gallons** 26 gal/ft 130 gal/well 390+

Well Depths:

WELL PURGING DATA:

Purging Method: Sub. Pump 5 gal/min **Volume of Water Purged:** 390 gal +

Time Started: 1015 **Time Completed:** 1200

Parameters:

	Initial Reading	First Volume	Second Volume	Third Volume	Fourth Volume (Post Sample)	Fifth Volume
Time	1015	1040	1105	1130	1155	
Temperature	68.1	68.4	70.4	70.3	70.4	
Conductivity	1.42	1.39	1.42	1.41	1.40	
PH	6.51	6.79	6.67	6.65	6.67	
Turbidity		[redacted]		2.23		

Equipment Used: Hanna Temperature-Conductivity-pH tester
LaMotte Model 2008 Turbidity Meter

SAMPLE COLLECTION DATA:

Sample Containers: 8 VOA 1 1L Poly 2 125-ml Poly
3 1L Amber 1 1/2L Poly

Analyses Performed: See COC

Water Quality:

Good

WELL SAMPLING DATA LOG

Ref Pt 827.6

827.58 Swart

PROJECT: LA Byproducts

DATE: 1/25/07 WELL NO: 4927 SAMPLER: CFL/SCW

WELL DATA:

Total Depth: 351.12 Date/Time Measured:

Depth to Water: 325.33 Data/Time Measured:

Volume of Water in Well: 32 Feet, Gallons 84 gal/foot

Well Depths:

WELL PURGING DATA:

Purging Method: Sub. Pump 4 gpm/min Volume of Water Purged: 255 +

Time Started: 1513 Time Completed: 1635

Parameters:

	Initial Reading	First Volume	Second Volume	Third Volume	Fourth Volume	Fifth Volume
Time	1513	1542	1603	1625		
Temperature	71.9	71.7	70.1	69.9		
Conductivity	1.43	1.28	1.28	1.26		
PH	6.41	6.87	6.79	6.84		
Turbidity		48.11	12.04	5.14		

Equipment Used: Hanna Temperature-Conductivity-pH tester
LaMotte Model 2008 Turbidity Meter

SAMPLE COLLECTION DATA:

Sample Containers: 6 VOAs 1 1L Poly 3 125 Poly
3 1L Amber 1 1/2L Poly

Analyses Performed: See CofC

Water Quality:
Good

March 2007

GROUNDWATER MONITORING REPORT

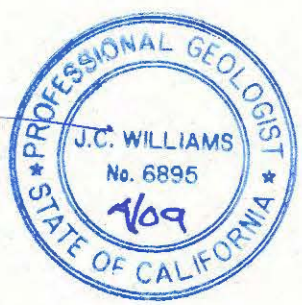
Los Angeles By-Products Company
Penrose, Newberry and Strathern Landfills
8230 Tujunga Avenue, Sun Valley, CA 91352

RWQCB Order No. 91-086
File Nos. 56-176, 58-137 and 58-192
CI No. 7055

July 2007

Dave Broadbent
Director of Technical Services
R.E.A. No. 00122

J.C. Williams
Professional Geologist No. 6895



Submitted by:

Targhee, Inc.
110 Pine Avenue, Suite 925
Long Beach, CA 90802-4455
www.targheeinc.com
562-435-8080

TABLE OF CONTENTS

Page

1.0 INTRODUCTION 1

2.0 SITE INFORMATION 1

3.0 BACKGROUND 2

4.0 HYDROGEOLOGY 4

4.1 Site Hydrogeology 5

5.0 MONITORING WELL PURGING 6

6.0 GROUNDWATER SAMPLING 6

7.0 GROUNDWATER ANALYSES 7

8.0 ANALYTICAL RESULTS 8

8.1 Data Quality Assurance 8

8.2 Emergent Chemicals 8

8.2.1 n-Nitrosodimethylamine 9
8.2.2 1,2,3-Trichloropropane 9
8.2.3 1,4-Dioxane 9
8.2.4 Perchlorate 10
8.2.5 Hexavalent Chromium 10

8.3 Volatile Organic Chemicals 10

8.4 Title 22 Metals 11

9.0 DRINKING WATER STANDARDS 11

9.1 Inorganic Chemicals 12

9.2 Organic Chemicals 12

TABLE OF CONTENTS
(continued)

TABLES

Request for Analyses ..... Table 1

Organic Groundwater Analyses, March 2007..... Table 2

Inorganic Groundwater Analyses, March 2007..... Table 3

Starthern Landfill Ground Water Database..... Table 4

Emergent Chemicals..... Table 5

FIGURES

Local Area Map..... Figure 1

Monitoring Well Locations..... Figure 2

Groundwater Elevations..... Figure 3

APPENDICES

Well Field Sampling Data Logs..... Appendix A

Chain-of-Custody Forms and
Laboratory Report of Analytical Results..... Appendix B

TARGHEE, INC.
ENVIRONMENTAL CONSULTING

March 2007
GROUNDWATER MONITORING REPORT

Los Angeles By-Products Company
Penrose, Newberry and Strathern Landfills
8230 Tujunga Avenue, Sun Valley, CA 91352

RWQCB Order No. 91-086
File Nos. 56-176, 58-137 and 58-192
CI No. 7055

1.0 INTRODUCTION

On March 21 and 22, 2007, Targhee, Incorporated obtained groundwater samples for chemical analysis at the Los Angeles By-Products' Penrose, Newberry and Strathern landfills located at 8230 Tujunga Avenue in Sun Valley, California (Figure 1 - Local Area Map).

Regular groundwater monitoring of wells MW-4928A, MW-4928B and MW-4928C at the Strathern Inert Landfill (Strathern Wells) is conducted under California Regional Water Quality Control Board, Los Angeles Region ("LA-RWQCB"), Waste Discharge Requirements ("WDR") Order No. 91-086 and Monitoring and Reporting Program ("MRP") CI-7055 adopted by the RWQCB on December 2, 1991. In addition to the Strathern wells, monitoring wells MW-4918, MW-4918B and MW-4927 located at the closed Penrose and Newberry Landfills were also sampled and analyzed during this March 2007 sampling event.

2.0 SITE INFORMATION

The site contact and responsible party are as follows:

Mr. Robert McAllister
Los Angeles By-Products Company
10940 Portal Drive
Los Alamitos, CA 90720-3482
714-828-3090 telephone
714-828-3900 fax

110 Pine Avenue, Suite 925, Long Beach, CA 90802-4455
www.targheeinc.com
TEL 562-435-8080 FAX 562-590-8795

The closed Penrose and Newberry landfills and the active Strathern inert waste landfill are located along the east and west sides of Tujunga Avenue in Sun Valley, Los Angeles County, California. The general location of the three landfills is depicted in Figure 1 (Local Area Map). The location of the landfills and monitoring wells with respect to the local area is depicted in Figure 2 (Monitoring Well Locations).

The landfills occupy an area of approximately 100 acres. The wells are located along the perimeter. Residential neighborhoods and a park are located along the western, southern and eastern boundaries, while light industrial and manufacturing uses are located along the northern boundary of the landfills.

The topography of the three subject landfills is generally flat. The landfills are located within the area defined by Strathern Street to the south, Irvine Avenue to the west, Tuxford Street and Roscoe Boulevard to the north and Fair Avenue to the east. The Golden State Freeway (5) and San Fernando Road are located northeast of the landfills. The specific location of the landfills and monitoring wells are shown in Figure 2.

3.0 BACKGROUND

The closed Penrose Landfill is owned and was operated by Los Angeles By-Products Company. Prior to its use as a landfill, the Penrose landfill was a gravel pit. The landfill operated under a Class II-2 permit issued in 1962 and accepted household rubbish until its closure in 1985. The landfill is currently in post-closure monitoring. A landfill-gas extraction and energy recovery system is currently operating at the landfill.

The closed Newberry Landfill was reportedly operated by Arthur Kazarian. Los Angeles By-Products is the property owner. Prior to its use as a landfill, the Newberry Landfill was a gravel pit. The landfill accepted rubbish from approximately 1948 until its closure in May 1955. The landfill is currently in post-closure monitoring.

The Strathern Landfill is owned and operated by Los Angeles By-Products and is currently an operating "inerts" landfill that opened on September 21, 1992. Prior to its use as a landfill, the Strathern Landfill was a gravel pit. The Strathern Landfill accepts only inert waste such as asphalt, brick, uncontaminated soil and aggregates. The landfill operates under Waste Discharge Order 91-086 issued by the California Regional Water Quality

Control Board, Los Angeles Region. Environmental monitoring of the landfill is conducted under Monitoring and Reporting Program 7055, issued by the California Regional Water Quality Control Board, Los Angeles Region.

A Solid Waste Assessment Test ("SWAT") was completed for the Penrose and Newberry landfills in the late 1980s by Law Environmental, Inc. A Supplemental SWAT encompassing the Penrose and Newberry landfills was also prepared by Law Environmental, Inc. in 1989. The Supplemental SWAT concluded that there was no apparent threat to groundwater from landfill gas or migration from the Penrose and Newberry landfills and that landfill gas was being effectively controlled at the Penrose Landfill by the landfill gas collection system. The trash appeared to be unsaturated, and there was no evidence of leachate production at the Penrose and Newberry landfills.

The July 1, 1989 SWAT Supplemental Monitoring Report[1] stated that "the most significant change in the ground water quality has been with the rise and fall of TCE concentrations which appear to be related to regional plumes moving through the area". On September 22, 1989, the RWQCB approved the SWAT report and stated:

> *"1. The elevated levels of trichloroethylene and nitrate found in both the upgradient and downgradient wells around the Penrose Landfill are the result of unknown sources upgradient of the landfill."*

Beginning in 1984 through February 1989, groundwater was routinely collected and analyzed from Strathern area wells MW-4928A and MW-4928B. With the opening of the Strathern inert waste landfill in 1992, monitoring wells MW-4928A and MW-4928B, as well as a third well MW-4928C, were routinely monitored according to the current Monitoring and Reporting Program. The enclosed Table 4 contains the historic and current groundwater analytical results[2] for wells MW-4928A, MW-4928B and MW-4928C.

The current Strathern Landfill monitoring program requires semi-annual groundwater monitoring. The URS Corporation's January 19, 2006, "Second 2005 Semi-Annual Groundwater Monitoring

[1] "Solid Waste Assessment Test (SWAT) Supplementary Monitoring Report", Penrose and Newberry Landfills (Closed) and Strathern Pit, Sun Valley District, Los Angeles, CA, Law Environmental, July 1, 1989.

[2] Table 4 is taken from the January 26, 2007 Second Semi-Annual Groundwater Monitoring Report, URS Corporation.

Report"("URS") for the Strathern Landfill concluded that "*because the landfill receives inert solid waste and the amount of water-soluble material is negligible, URS believes the potential for leachate from the landfill continues to be low*".

The Penrose and Newberry landfills are in the post-closure monitoring period with regulatory oversight conducted by the California Integrated Waste Management Board and the California Regional Water Quality Board, Los Angeles Region. Strathern is an operating inert waste landfill under the regulatory oversight of the same agencies. There is no known contamination emanating from the Penrose, Newberry or Strathern landfills.

4.0 HYDROGEOLOGY

The hydrogeology of the vicinity of the site was determined from available published literature, consultant reports, and from observations made during the monitoring event.

Law Environmental, Inc.'s June 29, 1988, Solid Waste Assessment Test (SWAT) Water report for the Penrose and Newberry landfills, states, in part, the following:

The geologic units found beneath the site area, from youngest to oldest: 1) Holocene alluvium, 2) upper Pleistocene (older) alluvium, 3) Plio-Pleistocene Saugus Formation, 4) Miocene sedimentary formations, and 5) pre-Cretaceous crystalline and metamorphic rocks.

Most of the ground water within a mile of the site is within the Pleistocene alluvium. The Holocene alluvium is more than 100 feet above the perennial ground water surface. The Holocene alluvium transmits water to the Pleistocene alluvium during recharge events. The Miocene and pre-Cretaceous rocks beneath the alluvium are not used for water supply because they do not contain economically exploitable volumes of water.

The Holocene alluvium lies above the main waterbearing portion of the alluvium.

Most of the usable ground water beneath the site lies within the Pleistocene alluvium and is within the main San Fernando Valley Hydrologic area. This geologic unit…consists of over 450 feet of sand, gravel and boulders with red clay lenses. Both alluvium units unconformably overlie the underlying bedrock.

Ref: California Water Rights Board, 1962, "Report of Referee, The City of Los Angeles vs. City of San Fernando, et al.," No. 650079.

4.1 Site Hydrogeology

Prior to purging, the depth to water was measured to an accuracy of 0.01 feet in each of the monitoring wells using Los Angeles By-Products' water level indicator. The water-level measurements were used to determine the volume of water present in each of the wells, as well as the direction and gradient of the groundwater flow beneath the site. The depth to water measurements was recorded on the Field Well Sampling Data Logs contained in Appendix A. The results of the depth to water measurements conducted in March 2007 are presented below.

March 21, 2007 Groundwater Elevations (Provisional**)

Well I.D.	Top of Casing Elevation* (feet above sea level)	Depth to Groundwater (below top of casing)	Groundwater Elevation (ft)
MW-4928C	823.37	312.32	511.05
MW-4928A	803.78	297.95	505.83
MW-4918	822.94**	315.25	507.69
MW-4918B	810.38	305.16	505.22
MW-4927	827.58	317.40	510.18

*Solid Waste Assessment Test (SWAT) Water, Penrose and Newberry Landfills, Law Environmental, Inc., June 29, 1988

**In order to facilitate removal of the dedicated pump and packer prior to rehabilitation of Well 4918, the top 4.19 feet (50.25 inches) of well casing was removed. Therefore, the top-of-casing elevation for MW-4918 should be considered provisional until the well casing elevation can be reverified (Groundwater Monitoring Well Video Logging Work Plan (Attachment A), Targhee, Inc., Rev. April 4, 2007. All five monitoring wells will be re-surveyed prior to the next monitoring event to verify accurate top-of-casing measurement points.

As shown on Figure 3, based on the March 2007 groundwater elevation data, current groundwater flow is generally to the south. This appears to be due to a groundwater mound initially

created by the infiltration of stormwater during the storm-related washout of Tujunga Avenue in 2005. Surface infiltration of street runoff in the area adjacent to MW-4928C continues to date.

5.0 MONITORING WELL PURGING

Groundwater sampling was conducted on March 21 and 22, 2007. During the groundwater monitoring event, no significant deviation from the revised January 24, 2007 Groundwater Sampling and Analysis Plan occurred.

All downhole equipment was pre-cleaned before insertion into the monitoring wells. The stainless steel pump and individual 10-foot lengths of stainless steel tubing were steam-cleaned inside and out prior to insertion into each well, that is, all equipment was properly decontaminated between each monitoring well.

Following the completion of water level measurements and prior to the collection of groundwater samples, a minimum of three well volumes of groundwater was purged (removed) from each monitoring well. Purge rates between 4 and 5 gallons per minute were maintained during the purging of Monitoring well MW-4927, MW-4918 and MW-4918B. Dedicated well pumps are present in MW-4928A and MW-4928C. These pumps produce approximately 20 gallons per minute of purge water, and the rate cannot be reduced because the pumps are not designed to be variable flow pumps. This purge rate did not have an impact on the sampling effort because drawdown observed during the purging process at each well was less than 3 feet. A valved sample tap allowed actual groundwater sampling at a reduced rate that minimized/prevented aeration during the sampling process of MW-4928A and MW-4928C.

The temperature, pH, and conductivity were measured by Targhee after the removal of each well volume. Sequential measurements were within 10% following the removal of three well volumes in each of the wells. At a minimum, turbidity was measured during the removal of the final well volume. The testing instruments (Hanna Temperature-Conductivity-pH Tester and LaMotte Model 2008 Turbidity Meter) were calibrated according to the manufacturer’s instructions prior to use. The values for the measurements of these above-stated parameters are shown on the Field Well Sampling Data Logs contained in Appendix A.

6.0 GROUNDWATER SAMPLING

Groundwater samples were collected as described in the January

24, 2007 Groundwater Sampling and Analysis Plan and placed directly into the appropriate laboratory-supplied containers (i.e., 40-ml VOA container, 1-liter amber glass bottle, 125-ml poly container, 500-ml poly container or 1-liter poly container) based on the analysis to be performed. Detailed information regarding the specific analysis requested, preservative and container requirements and holding times for the groundwater samples taken during this March 2007 monitoring event are presented in Table 1 (Request for Analyses).

All samples collected were placed in an iced cooler at 4°C for transportation to American Scientific Laboratories, LLC, a State-certified laboratory (CA DHS ELAP No. 2200). Standard Chain-of-Custody procedures were maintained on all samples. The Chain-of-Custody Record with a request for analysis was initiated in the field by Targhee. Each time responsibility for custody of the samples changed, the receiving and relinquishing custodians signed the record and entered the date and time of transfer of the samples. The laboratory signed for the receipt of the samples and returned a copy of the Chain-of-Custody Record to Targhee.

7.0 GROUNDWATER ANALYSES

All groundwater samples were submitted to American Scientific Laboratories, 2520 North San Fernando Road, Los Angeles, CA (CA-DHS ELAP No. 2200), and analyzed for the following parameters:

Groundwater Monitoring Parameters

Parameter	Method	Target Detection Limit
Volatile Organic Compounds Including MTBE	8260B	See Lab Sheet
Dissolved CAM Metals (field-filtered)	6010B	See Lab Sheet
Hexavalent Chromium	7199	0.5 µg/L
Nitrate/Nitrite	300	0.10 mg/L
Chloride	300	1.0 mg/L
Sulfate	300	1.0 mg/L
Fluoride	300	0.10 mg/L
Perchlorate	314	4 µg/L

Parameter	Method	Target Detection Limit
1,4-Dioxane	8270C-MOD	2 µg/L
NDMA	1625C/M	0.002 µg/L
1,2,3-Trichloropropane	524.2 – SIM	0.005 µg/L
Total Dissolved Solids (TDS)	160.1	20.0 mg/L
Total Organic Carbon (TOC)	415.2	2.0 mg/L
Calcium	6010B	0.25
Magnesium		0.25
Sodium		1
Potassium		1
Hardness	130.2	5.0 mg/L
Alkalinity	SM 2320	2 to 20 mg/L
Sulfide	376.2	0.01
CAM Metals include: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc.		

µg/L – micrograms/liter mg/L – milligrams/liter

8.0 ANALYTICAL RESULTS

Tabulated analytical results for this March 2007 groundwater monitoring effort and the January 2007 groundwater monitoring are shown on Table 2 (Organic Groundwater Analyses) and Table 3 (Inorganic Groundwater Analyses). The laboratory reports, including QA/QC results and Chain-of-Custody forms, can be found in Appendix B.

8.1 Data Quality Assurance

A review of the laboratory's Quality Control Reports for each of the analyses performed did not indicate any items that would invalidate the data. All samples were either analyzed or prepared within their respective holding times.

8.2 Emergent Chemicals

Analytical results for the analysis of emergent chemicals during

this March 2007 and the December 2006 and January 2007 sampling events are tabulated in the attached Table 5 (Emergent Chemicals).

8.2.1 n-Nitrosodimethylamine ("NDMA")

Upgradient monitoring well MW-4927 was used for the QA/QC sample duplicate with an additional third sample obtained for use as the matrix spike sample (MSD). A semi-quantitative concentration (0.78J µg/L) of NDMA was found in one of the three samples collected from MW-4927. No detectable concentrations of NDMA were found in the remaining two samples from upgradient monitoring well MW-4927.

MW-4928A, a monitoring well downgradient of Strathern, also contained a semi-quantitative concentration (0.65J µg/L) of NDMA. However, no detectable concentrations of NDMA were detected in this well during the December 2006 sampling event which illustrates the semi-quantitative aspect of the values reported.

The January 2007 sampling effort found NDMA semi-quantitatively (0.94J µg/L) in only one of the triplicate groundwater samples obtained form MW-4918B. No detectable NDMA was found in MW-4918B during the March 2007 sampling event.

No detectable NDMA has currently or historically been detected in MW-4918 and MW-4928C.

8.2.2 1,2,3-Trichloropropane ("TCP")

A single semi-quantitative concentration of 0.0017 µg/L TCP was found in MW-4918B during this March 2007 sampling effort. The January 2007 sampling event did not detect TCP in this well. No other monitoring wells during the January or March sampling had detectable concentrations of TCP.

8.2.3 1,4-Dioxane ("dioxane")

No detectable concentrations of dioxane were found during the January or March 2007 sampling efforts in MW-4927, MW-4928A and MW-4928C. A semi-quantitative concentration of 1.53 µg/L of dioxane was in MW-4918 during this March 2007 sampling event. However, no dioxane was detected in this monitoring well during the January sampling event.

A quantitative concentration of 5.18 µg/L of dioxane was found in MW-4918B. However, this same well was triplicate sampled in January 2007 with all three samples non-detectable for dioxane (detection limit of 2 µg/L). The laboratory was asked to review their protocols for any typographical or data input errors, with none being reported.

8.2.4 Perchlorate

No quantitative concentrations of perchlorate were detected during this March 2007 sampling event in any wells. A semi-quantitative concentration of 1.4 µg/L of perchlorate was found in MW 4928C.

While the January 2007 sampling effort found quantitative perchlorate concentrations in monitoring wells MW-4918 and MW-4918B (up to 12 µg/L), no detectable concentrations of perchlorate were detected in wells MW-4918 and MW-4918B during this March 2007 sampling effort.

8.2.5 Hexavalent Chromium

Quantifiable concentrations of hexavalent chromium were found in MW-4928A and MW-4928C at 1.20 and 1.07 µg/l, respectively. No detectable hexavalent chromium was found in MW-4918B. Semi-quantitative concentrations of 0.15J µg/L and 0.61J µg/L of hexavalent chromium were found in MW-4918 and MW-4927, respectively.

All detected concentrations of hexavalent chromium are at least two orders of magnitude below the Federal Maximum Contaminant Level (“MCL”) of 100 µg/L for total chromium in drinking water and one order of magnitude below the State MCL of 50 µg/L.

8.3 Volatile Organic Chemicals

In general, the concentrations of trichloroethylene ("TCE") and tetrachloroethylene ("PCE") detected during this March 2007 sampling event are unchanged from the January 2007 sampling.

Monitoring wells MW-4927 and MW-4928A do not have detectable TCE concentrations. MW-4928C has a semi-quantitative concentration of less than 0.26J µg/L of TCE. Groundwater monitoring well MW-

4918B contained 36.6 µg/L of TCE during this March 2007 sampling event, whereas 35 µg/L was detected in January 2007. Monitoring well MW-4918 has a concentration of 8.6 µg/L of TCE. Collectively, this data is indicative of an upgradient, off-site source for the TCE.

Cis-1,2-Dichloroethene ("cis-DCE") was detected in all wells that contained TCE, but at a lower concentration than the TCE. Cis-DCE is a degradation product of TCE and the concentrations of cis-DCE detected in the monitoring wells are evidence that natural attenuation of TCE is occurring in the subsurface.

During March 2007, PCE was detected in all wells at concentrations similar to their January 2007 levels.

No 1,1,1-Trichloroethane ("TCA") was detected in any monitoring well during the March 2007 sampling event. During January 2007 monitoring, TCA was detected only in monitoring well MW-4918 (11 µg/L) at a concentration well below the MCL of 200 µg/L for TCA in drinking water.

Dichlorodifluoromethane was detected in monitoring well MW-4928A and MW-4928C during the January 2007 sampling event. However, no detectable dichlorodifluoromethane was found in any wells during this sampling event.

8.4 Title 22 Metals

Concentrations of Title 22 Metals exceeding Federal Maximum Contaminant Levels ("MCLs"), Action Levels ("ALs") or Secondary Standards for drinking water were not detected in any groundwater sample.

Concentrations of Title 22 Metals exceeding State MCLs or ALs for drinking water were not detected in any groundwater sample.

9.0 DRINKING WATER STANDARDS

The attached Table 2 (Organic Groundwater Analyses) and Table 3 (Inorganic Groundwater Analyses) contain a tabulation of the January 2007 and March 2007 groundwater monitoring analytical data. The attached Table 4 (Strathern Landfill Groundwater Database) contains a historical tabulation of the groundwater monitoring data for Strathern wells MW-4928A, MW-4928B and MW-4928C.

9.1 Inorganic Chemicals

A nitrate concentration of 12.9 mg/L in MW-4928A was the only inorganic constituent detected that exceeded its Federal MCL of 10 mg/L for drinking water. No other inorganic chemical (i.e., TOC, anions, cations, sulfides, Title 22 Metals and alkalinity) exceeding Federal or California MCLs or ALs for drinking water were detected in any March 2007 groundwater sample.

Total Dissolved Solids ("TDS") concentration in all wells exceeded the Federal Secondary Standard of 500 mg/L for drinking water, but did not exceed the California Secondary Standard of 1,000 mg/L for TDS in drinking water.

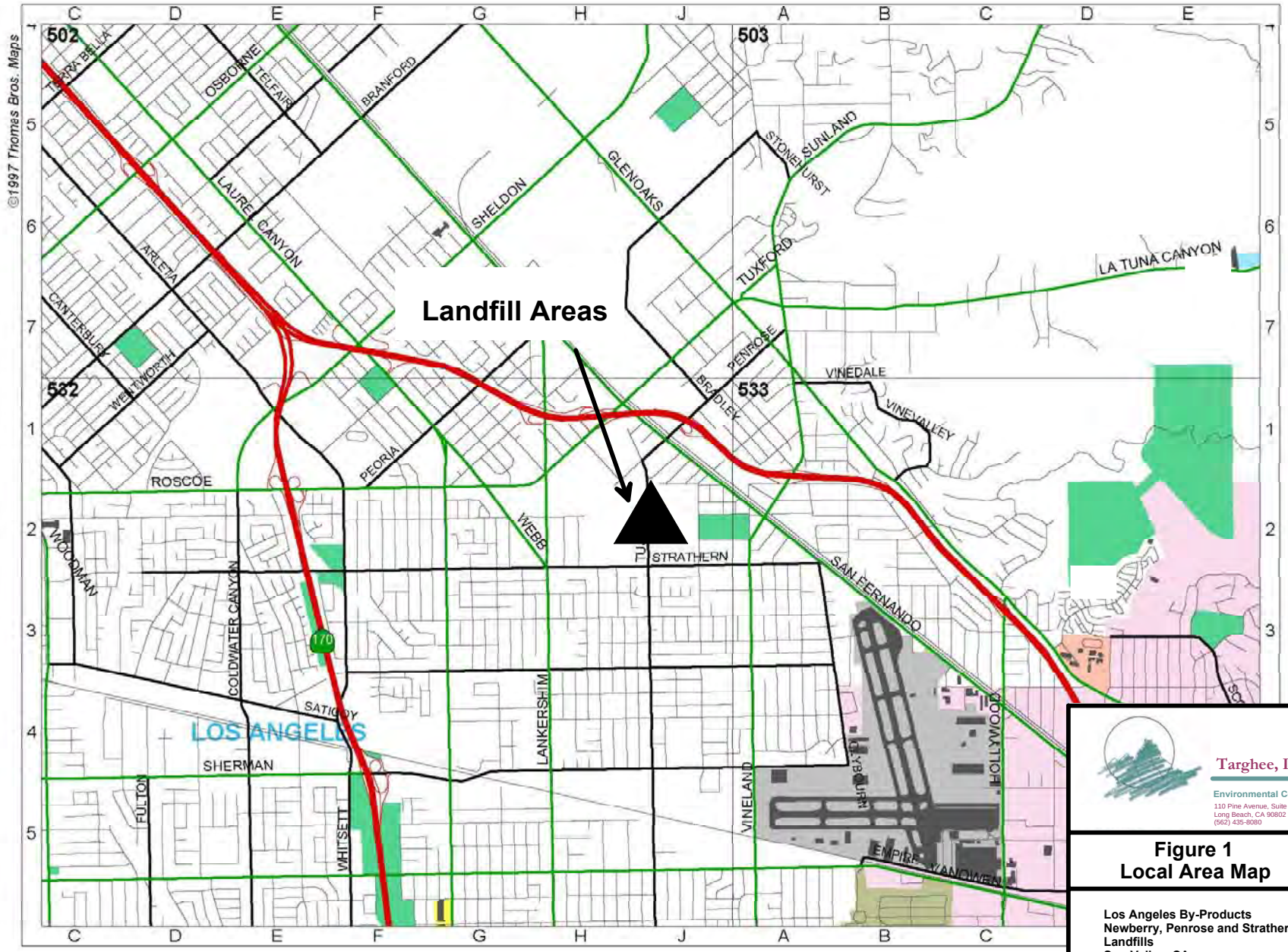
9.2 Organic Chemicals

The Federal and State MCLs for TCE (5 µg/L) and PCE (5 µg/L) were exceeded in Penrose wells MW-4918 and MW-4918B. As the historic groundwater flow direction beneath the site is to the southeast, the analogous concentrations of PCE detected in MW-4918 and MW-4918B, and the concentrations of TCE detected in wells MW-4918 and MW-4918B, evidence an upgradient, off-site source for the TCE and PCE detected beneath the landfill.

The Federal MCL and State MCL of 5 µg/L for PCE were exceeded in Strathern well MW-4928C. A review of historic 1984 to 2007 analytical data for the Strathern wells (Table 4 – Strathern Landfill Groundwater Database) indicate the low-level TCE/PCE plume beneath the landfill is stable and unchanging.

1,1-dichloroethene was detected at a level exceeding the Federal and State MCL of 6 µg/L in MW-4918 only (11.8 µg/L).

A concentration of cis-DCE exceeding the California MCL of 6 µg/L was detected in MW-4918B. Concentrations of cis-DCE exceeding the Federal MCL of 70 µg/L were not detected. The presence of cis-DCE in wells containing TCE indicates that degradation of the TCE by natural attenuation is occurring.

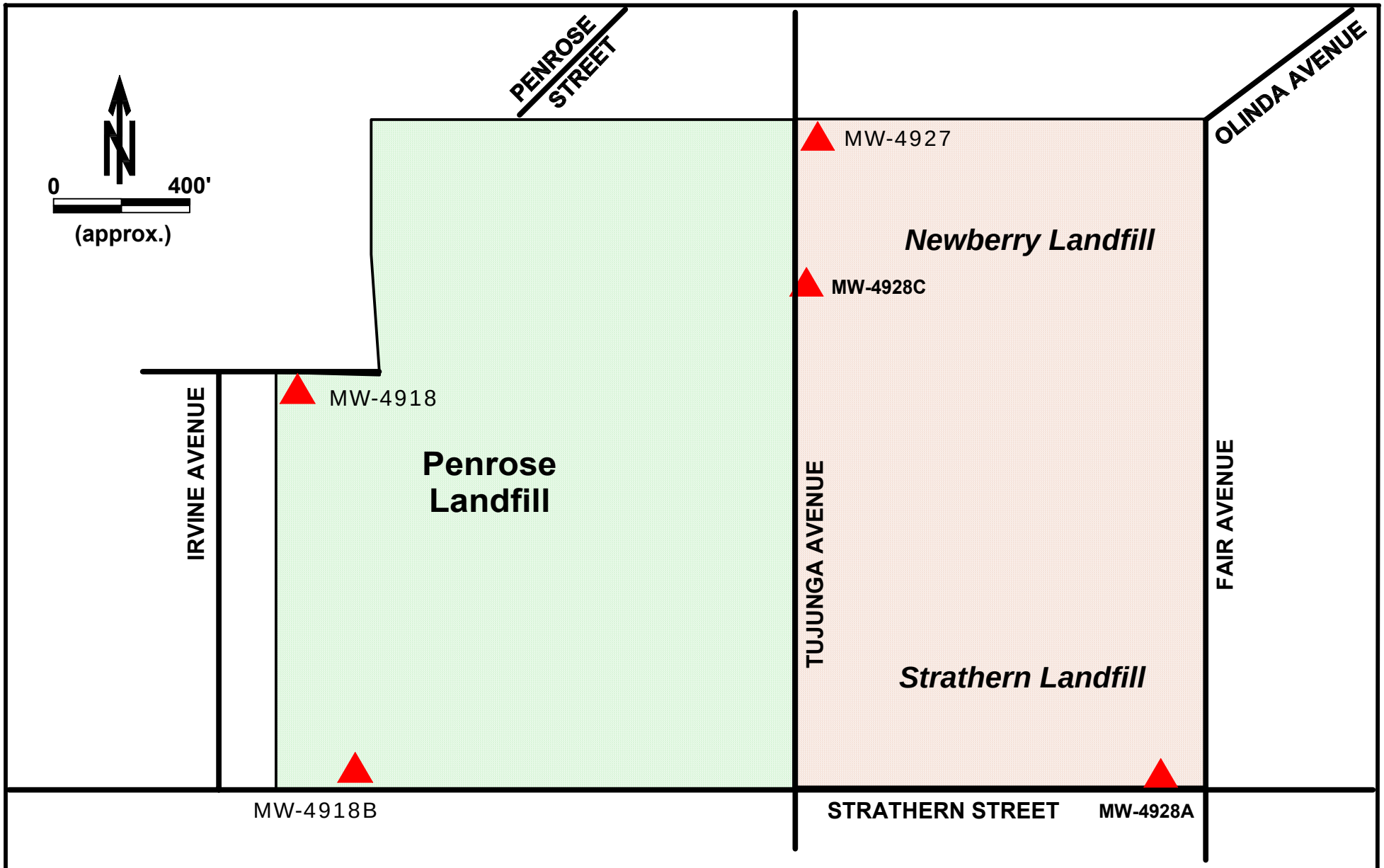


Targhee, Inc.
Environmental Consulting
110 Pine Avenue, Suite 925
Long Beach, CA 90802
(562) 435-8080

Figure 1
Local Area Map

Los Angeles By-Products
Newberry, Penrose and Strathern
Landfills
Sun Valley, CA

July 2007



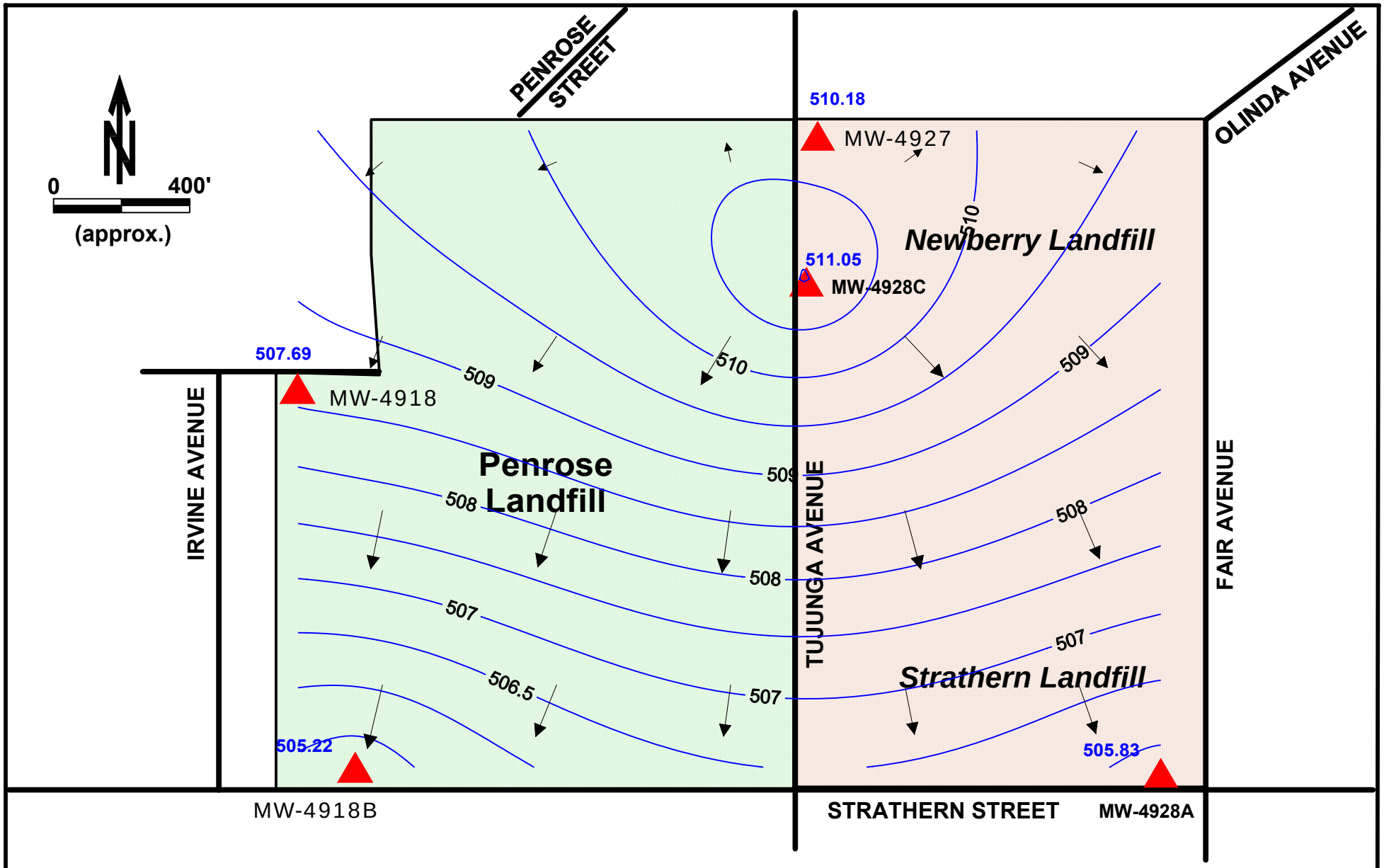
MW-4918B
▲ Monitoring Well Locations and Identification

TARGHEE, INC.
ENVIRONMENTAL CONSULTING
110 Pine Avenue, Suite 925
Long Beach, CA 90802-4426
(562) 435-8080 FAX (562) 590-8795

Figure 2
Monitoring Well Location Map

Penrose, Newberry & Strathern Landfills
8230 Tujunga Avenue, Sun Valley, CA 91352

July 2007



MW-4918B
▲ Monitoring Well Locations and Identification

TARGHEE, INC.
ENVIRONMENTAL CONSULTING
110 Pine Avenue, Suite 925
Long Beach, CA 90802-4426
(562) 435-8080 FAX (562) 590-8795

GROUNDWATER ELEVATIONS
March 21, 2007

Penrose, Newberry & Strathern Landfills
8230 Tujunga Avenue, Sun Valley, CA 91352

FIGURE 3	July 2007

Table 1

Table 1
Request For Analysis
Penrose, Newberry and Strathern Landfills Quarterly Groundwater Sampling Event
(Matrix Groundwater)

			Organics			Inorganics		
Specific Analysis Requested			VOC & MTBE 8260B	1,4-Dioxane 8270C-MOD	1,2,3-Trichloropropane 524.2 - SIM 8270-Mod	NDMA 1625C	TOC 415.2	Sulfide
Analytical Holding Time			< 14 Days	<7 Days Extraction <40 days analysis	<14 Days	<7 Days	<28 days	<7 Days
Preservatives			Add 1:1 HCl to pH <2; chill to 4°C	chill to 4°C	Add 1:1 HCl to pH <2; chill to 4°C	Chill to 4°C	H_2SO_4 to pH <2; chill to 4°C	NaOH +ZNAC pH>9; cool to 4°C
Sample Containers			3 x 40 ml VOA Vials	1 x Liter Amber Glass	3 x 40 ml VOA Vials	2 x Liter Amber Glass	1 @ 125 ml Polyethylene	1 x 500 ml Polyethylene
Sample Location	Sample Schedule Day	Con.						
MW-4918	Day 1	Low	X	X	X	X	X	X
MW-4918B	Day 1	Low	X	X	X	X	X	X
MW-4927	Day 1	Low	X	X	X	X	X	X
MW-4928A	Day 1	Low	X	X	X	X	X	X
MW-4928C	Day 1	Low	X	X	X	X	X	X
Duplicate	Day 1	Low	X	X	X	X	X	X
Field/Equip. Blank	Day 1	Low	X	X	X	X	X	X
MS/MSD	Day 1	Low	X	X	X	X	X	X
	Total Containers		27	9	27	18	9	9
CAM Metals Include: Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Th, V, Zn.								

Table 1
Request For Analysis
Penrose, Newberry and Strathern Landfills Quarterly Groundwater Sampling Event
(Matrix Groundwater)

Table 1

Specific Analysis Requested			Perchlorate 314	Dissolved CAM* Metals 6010B	Hexavalent Chromium 7199	Nitrite/Nitrate 300	Chloride, Sulfate Fluoride 300.0	Calcium Magnesium Sodium Potassium 6010B	Alkalinity	Total Dissolved Solids
Analytical Holding Time			<28 days	<180 days	<24 Hours	<48 Hours	<28 days	<28 days	<14 days	<7 days
Preservatives			Chill to 4°C	HNO_3 pH<2 chill to 4°C	Chill to 4°C	Chill to 4°C	Chill to 4°C	Chill to 4°C	Chill to 4°C	Chill to 4°C
Sample Containers			1 x 500 ml Polyethylene	1 x 500 ml Polyethylene	1 x 500 ml Polyethylene	1 x Liter Polyethylene				
Sample Location	Sample Schedule Day	Con.								
MW-4918	Day 1	Low	X	X	X	X	X	X	X	X
MW-4918B	Day 1	Low	X	X	X	X	X	X	X	X
MW-4927	Day 1	Low	X	X	X	X	X	X	X	X
MW-4928A	Day 1	Low	X	X	X	X	X	X	X	X
MW-4928C	Day 1	Low	X	X	X	X	X	X	X	X
Duplicate	Day 1	Low	X	X	X	X	X	X	X	X
Field/Equip. Blank	Day 1	Low	X	X	X	X	X	X	X	X
MS/MSD	Day 1	Low	X	X	X	X	X	X	X	X
	Total Containers		9	9	9	9	9	9	9	9
CAM Metals Include: Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Th, V, Zn.										

Table 1
Request For Analysis
Penrose, Newberry and Strathern Landfills Quarterly Groundwater Sampling Event
(Matrix Groundwater)

Table 1

Specific Analysis Requested			Hardness
Analytical Holding Time			< 6 months
Preservatives			HNO_3 pH<2 chill to 4^oC
Sample Containers			1 x 250 ml Polyethylene
Sample Location	Sample Schedule Day	Con.	
MW-4918	Day 1	Low	X
MW-4918B	Day 1	Low	X
MW-4927	Day 1	Low	X
MW-4928A	Day 1	Low	X
MW-4928C	Day 1	Low	X
Duplicate	Day 1	Low	X
Field/Equip. Blank	Day 1	Low	X
MS/MSD	Day 1	Low	X
	Total Containers		9
CAM Metals Include: Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Th, V, Zn.			

Penrose, Newberry and Strathern Landfills
Table 2
Organic Groundwater Monitoring Data

Analysis	EPA Method	Units	Detection Limit		Holding Time	4918 1/25/07	4918 3/21/07	4918B 1/25/07	D4918B (Duplicate) 1/25/07	4918B Matrix Spike 1/25/07	4918B 3/21/07	4927 1/25/07	4927 3/21/07	4927 3/21/07 MW Duplicate	4927 3/21/07 MW-MSD	4928A 12/20/06	4928A 3/22/07	4928C 12/20/06	4928C 3/22/07
			MDL	PQL															
N-Nitrosodimethylamine (NDMA)	1625M	ng/L	0.23	2	Within Limits	ND	ND	0.94 J	ND	ND	ND	ND	0.78J	ND	ND	ND	0.65J	ND	ND
1,2,3-Trichloropropane (TCP)	524.2M-SIM	µg/L	0.0015	0.0050	Within Limits	ND	ND	ND	ND	ND	0.0017J	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane*	8270C	µg/L	1.00	2.00	Within Limits	<2.00	1.53J	<2.00	<2.00	<2.00	5.18	<2.00	ND	ND	ND	<2.00	ND	<2.00	ND
Volatile Organic Compounds	**8260B**	µg/L	-----	-----	Within Limits	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Chlorobenzene	8260B	µg/L	0.176	1.0	---	ND	0.32J	4.8	4.7	4.7	2.8	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	8260B	µg/L	0.358	1.0	---	ND	ND	ND	0.61 J	0.69 J	0.5J	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	8260B	µg/L	0.384	1.0	---	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	8260B	µg/L	0.244	3.0	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18.3	ND	18.3	ND
1,1-Dichloroethane	8260B	µg/L	0.372	1.0	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND	1.03	0.82J
1,1-Dichloroethene	8260B	µg/L	0.355	1.0	---	43.8	11.8	ND	ND	ND	0.5J	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	8260B	µg/L	0.279	1.0	---	2.1	2.6	25.2	27.3	27.5	10.8	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	8260B	µg/L	0.421	1.0	---	7.4	12.3	8.6	8.0	7.9	6.3	1.7	1.8	1.5	1.7	2.10	1.5	7.48	10.3
1,1,1-Trichloroethane	8260B	µg/L	0.15	1.0	---	11.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	8260B	µg/L	0.117	1.0	---	12.6	8.6	35.8	35.2	35.2	36.6	ND	ND	ND	ND	ND	ND	0.21j	0.26J
Toluene	8260B	µg/L	0.282	1.0	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	8260B	µg/L	0.240	2.0	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Remaining 8260B Compounds	8260B	µg/L	varies	varies	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
* - The detection limit for 1,4-Dioxane during the December 2006 and January 2007 analyses was MDL=10 µg/l and PQL - 2 µg/l.																			

Penrose, Newberry and Strathern Landfills
Table 2
Organic Groundwater Monitoring Data

Analysis	EPA Method	Units	Detection Limit		Holding Time	Field Blank 3/22/07	Equipment Blank 1/25/07	Equipment Blank 3/21/07	Method Blank 1/25/07
			MDL	PQL					
N-Nitrosodimethylamine (NDMA)	1625M	ng/L	0.23	2	Within Limits	ND	ND	ND	ND
1,2,3-Trichloropropane (TCP)	524.2M-SIM	µg/L	0.0015	0.0050	Within Limits	ND	ND	ND	ND
1,4-Dioxane*	8270C	µg/L	1.00	2.00	Within Limits	ND	<2.00	ND	<2.00
Volatile Organic Compounds	**8260B**	µg/L	-----	-----	Within Limits	-----	-----	-----	-----
Chlorobenzene	8260B	µg/L	0.176	1.0	---	ND	ND	ND	ND
1,2-Dichlorobenzene	8260B	µg/L	0.358	1.0	---	ND	ND	ND	ND
1,4-Dichlorobenzene	8260B	µg/L	0.384	1.0	---	ND	ND	ND	ND
Dichlorodifluoromethane	8260B	µg/L	0.244	3.0	---	ND	ND	ND	ND
1,1-Dichloroethane	8260B	µg/L	0.372	1.0	---	ND	ND	ND	ND
1,1-Dichloroethene	8260B	µg/L	0.355	1.0	---	ND	ND	ND	ND
cis-1,2-Dichloroethene	8260B	µg/L	0.279	1.0	---	ND	ND	ND	ND
Tetrachloroethene (PCE)	8260B	µg/L	0.421	1.0	---	0.6J	ND	ND	ND
1,1,1-Trichloroethane	8260B	µg/L	0.15	1.0	---	ND	ND	ND	ND
Trichloroethene (TCE)	8260B	µg/L	0.117	1.0	---	ND	ND	ND	ND
Toluene	8260B	µg/L	0.282	1.0	---	ND	ND	0.67J	ND
MTBE	8260B	µg/L	0.240	2.0	---	ND	ND	ND	ND
Remaining 8260B Compounds	8260B	µg/L	varies	varies	---	ND	ND	ND	ND

* - The detection limit for 1,4-Dioxane during the December 2006 and January 2007 analyses was MDL=10 µg/l and PQL - 2 µg/l.

Penrose, Newberry and Strathern Landfills
Table 3
Inorganic Groundwater Monitoring Data

Analysis	EPA Method	Units	Detection Limit		QA/QC	Holding Time	4918 1/25/07	4918 3/21/07	4918B 1/25/07	D4918B Dup. 1/25/07	4918B Matrix Spike 1/25/07	4918B 3/21/07	4927 1/25/07	4927 3/21/07	4927 3/21/07 MW Duplicate	4927 3/21/07 MW-MSD	4928C 12/20/06	4928C 3/22/07	4928A 12/20/06	4928A 3/22/07
			MDL	PQL																
Total Dissolved Solids	160.1	mg/L	5	10	Within Limits	Within Limits	752	794	915	917	917	801	804	736	741	746	857	772	688	655
Total Alkalinity as $CaCO_3$	SM2320B	mg/L	5	10	Within Limits	Within Limits	545	655	625	625	615	575	585	595	595	605	Not Required	575	Not Required	355
Bicarbonate Alkalinity as $CaCO_3$	SM2320B	mg/L	5	10	Within Limits	Within Limits	545	655	625	625	615	575	585	595	595	605	Not Required	575	Not Required	355
Carbonate Alkalinity as $CaCO_3$	SM2320B	mg/L	5	10	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Required	ND	Not Required	ND
Hydroxide as $CaCO_3$	SM2320B	mg/L	5	10	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Required	ND	Not Required	ND
Total Hardness	130.2	mg/L	5	10	Within Limits	Within Limits	580	680	710	710	680	670	630	620	630	600	Not Required	640	Not Required	500
Chloride	300	mg/L	0.241	1.0	Within Limits	Within Limits	24.8	25.2	90.2	89.4	90.5	83.7	29.3	24.3	24.2	23.8	60.8	56.9	65.4	77
Fluoride	300	mg/L	0.013	0.1	Within Limits	Within Limits	0.24	0.24	0.26	0.29	0.30	0.22	0.21	0.25	0.15	0.28	Not Required	0.08J	Not Required	0.32
Nitrate as N	300	mg/L	0.007	0.1	Within Limits	Within Limits	6.86	5.94	0.08 J	0.06 J	0.07 J	ND	7.72	9.36	9.49	9.50	4.60	6.96	13.2	12.8
Nitrite as N	300	mg/L	0.0052	0.050	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.30	ND	0.32	ND
Sulfate	300	mg/L	0.07	1.0	Within Limits	Within Limits	61.4	65.5	70.3	68	69.4	67.4	63.7	55.4	55.9	53.9	57.7	59.6	96	91.9
Perchlorate	314.0	µg/L	0.30	2.00	Within Limits	Within Limits	2.2	ND	7.8	10	12	ND	ND	ND	ND	ND	ND	1.4J	ND	ND
Sulfide	376.2	mg/L	0.01	0.02	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Organic Carbon (TOC)	415.2	mg/L	0.02	0.10	Within Limits	Within Limits	1.6	1.6	6.8	7.5	3.3	7.0	1.2	0.8	1.0	1.0	2.1	1.5	1.9	1.2
Calcium	6010B	mg/L	0.08	0.25	Within Limits	Within Limits	170	230	196	201	204	223	171	181	184	191	161	198	120	157
Magnesium	6010B	mg/L	0.04	0.25	Within Limits	Within Limits	38.2	51.7	44	44.4	45	48.8	40.3	438	45.7	45.1	41.0	41.5	31.3	35.4
Potassium	6010B	mg/L	0.50	1.00	Within Limits	Within Limits	7.0	7.95	7.33	7.5	7.6	8.0	7.4	7.32	7.50	7.51	6.80	7.46	5.70	6.41
Sodium	6010B	mg/L	0.50	1.00	Within Limits	Within Limits	42.2	46.3	40.3	41.1	42	42.8	54	44.5	45.8	45.6	41.0	46.3	37.0	42.0

Penrose, Newberry and Strathern Landfills
Table 3
Inorganic Groundwater Monitoring Data

Analysis	EPA Method	Units	Detection Limit		QA/QC	Holding Time	4918 1/25/07	4918 3/21/07	4918B 1/25/07	D4918B Dup. 1/25/07	4918B Matrix Spike 1/25/07	4918B 3/21/07	4927 1/25/07	4927 3/21/07	4927 3/21/07 MW Duplicate	4927 3/21/07 MW-MSD	4928C 12/20/06	4928C 3/22/07	4928A 12/20/06	4928A 3/22/07
Antimony	6010B	mg/L	0.003	0.010	Within Limits	Within Limits	ND		ND	ND	ND	0.005J	ND	ND	0.004J	ND	ND	ND	ND	ND
Arsenic	6010B	mg/L	0.002	0.010	Within Limits	Within Limits	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	6010B	mg/L	0.001	0.010	Within Limits	Within Limits	0.164	0.207	0.23	0.23	0.231	0.234	0.192	0.198	0.202	0.202	0.200	0.211	0.150	0.195
Beryllium	6010B	mg/L	0.0005	0.0050	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	6010B	mg/L	0.0005	0.0050	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	6010B	mg/L	0.005	0.010	Within Limits	Within Limits	ND	ND	ND	0.006 J	0.007 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexavalent chromium	7199	µg/L	0.144	1.0	Within Limits	Within Limits	ND	0.15J	ND	ND	ND	ND	ND	0.25J	0.79J	0.61J	0.51J	1.07	0.68J	1.20
Cobalt	6010B	mg/L	0.001	0.010	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	6010B	mg/L	0.005	0.010	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.032
Lead	6010B	mg/L	0.002	0.005	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	7470A	mg/L	0.001	0.002	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	6010B	mg/L	0.001	0.010	Within Limits	Within Limits	ND	0.002J	0.002J	0.002 J	0.002 J	0.003J	ND	ND	ND	ND	0.002J	ND	0.002J	0.002J
Nickel	6010B	mg/L	0.001	0.010	Within Limits	Within Limits	ND	0.003J	ND	0.003 J	0.003 J	0.006J	ND	ND	0.003J	ND	ND	0.002J	ND	0.004J
Selenium	6010B	mg/L	0.004	0.010	Within Limits	Within Limits	0.015	0.012	ND	0.015	0.014	0.011	0.013	0.009J	0.011	0.009J	0.012	0.012	0.012	ND
Silver	6010B	mg/L	0.008	0.010	Within Limits	Within Limits	ND	ND	ND	ND	ND	0.018	ND	ND	0.012	0.016	ND	ND	ND	ND
Thallium	6010B	mg/L	0.004	0.010	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	6010B	mg/L	0.003	0.010	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0030J
Zinc	6010B	mg/L	0.001	0.010	Within Limits	Within Limits	0.134	0.184	0.05	0.03	0.032	0.047	0.143	0.084	0.084	0.085	1.10	0.955	0.173	0.645

Table 3

Inorganic Groundwater Monitoring Data

Analysis	Equipment Blank 12/20/06	Equipment Blank 1/25/07	Equipment Blank 3/21/07	Field Blank 3/22/07	Method Blank 12/20/06	Method Blank 1/25/07	Method Blank 3/21/07	Method Blank 3/22/07
Total Dissolved Solids	ND	ND	ND	ND	ND	ND	ND	ND
Total Alkalinity as $CaCO_3$	Not Required	ND	ND	ND	Not Required	ND	ND	ND
Bicarbonate Alkalinity as $CaCO_3$	Not Required	ND	ND	ND	Not Required	ND	ND	ND
Carbonate Alkalinity as $CaCO_3$	Not Required	ND	ND	ND	Not Required	ND	ND	ND
Hydroxide as $CaCO_3$	Not Required	ND	ND	ND	Not Required	ND	ND	ND
Total Hardness	Not Required	ND	ND	ND	Not Required	ND	ND	ND
Chloride	ND	0.80 J	ND	ND	ND	ND	ND	ND
Fluoride	ND	0.40	ND	ND	ND	ND	ND	ND
Nitrate as N	ND	ND	ND	ND	ND	ND	ND	ND
Nitrite as N	ND	ND	ND	ND	ND	ND	ND	ND
Sulfate	2.05	ND	ND	0.11J	ND	ND	ND	ND
Perchlorate	ND	1.4 J	ND	ND	ND	ND	ND	ND
Sulfide	ND	ND	ND	ND	ND	ND	ND	ND
Total Organic Carbon (TOC)	1.1	2.0	0.5	0.5	ND	ND	ND	ND
Calcium	ND	1.0	ND	ND	ND	ND	ND	ND
Magnesium	ND	ND	ND	ND	ND	ND	ND	ND
Potassium	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	ND	0.61 J	ND	ND	ND	ND	ND	ND

Analysis	Equipment Blank 12/20/06	Equipment Blank 1/25/07	Equipment Blank 3/21/07	Field Blank 3/22/07	Method Blank 12/20/06	Method Blank 1/25/07	Method Blank 3/21/07	Method Blank 3/22/07
Antimony	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND
Barium	ND	ND	ND	ND	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	ND	ND	ND	ND	ND	ND	ND	ND
Hexavalent chromium	ND	ND	0.29J	0.29J	ND	ND	ND	ND
Cobalt	ND	ND	ND	ND	ND	ND	ND	ND
Copper	ND	ND	ND	ND	ND	ND	ND	ND
Lead	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	ND	0.05	0.015	0.004J	ND	ND	ND	ND

Table 4

STRATHERN LANDFILL
GROUND WATER DATABASE

Source: Second 2006 Semi-Annual Groundwater Monitoring Report (July-December), Strathern Landfill, URS Corporation, January 26, 2007

PROJECT NO. 38001035.10001

		WATER LEVEL		FIELD MEASUREMENTS						GENERAL MINERALS								GENERAL MINERALS (cont.)											METALS					
POINT	DATE	REF PT.	W S E	fpH	T(f)	fEC	CO2	fAlk	LAlk	EC	LpH	Ca	Mg	Na	K	CO3	HCO3	SO4	Cl	NO3	B	HARD	TDS	COD	TCE	PCE	BENZENE	VC	Cd	Cr	Fe	Pb	Ni	LAB SOURCE
	UNITS	FT. ASL		pH	°C	µmhos/cm	ppm	ppm	mg/L	µmhos/cm	pH	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	
	MCLs			6 - 9	<100	900	- -	- -		900	6 - 9	- -	- -	- -	- -	- -	- -	250	250	10	0.5	- -	500	- -	5	5	1	0.5	5	50	0.3	50	100	
4928A	03-May-84	803.78									7.20	120	28	48	6.0	0.0	363	75	65	15.0			650			1			1.0		0.70	#REF!	0.050	B&C
4928A	31-Dec-84	803.78								560	7.70	73	16	26	4.2	0.0	280	58	7	12.0			351		44	5.3					0.22			B&C
4928A	19-Jun-85	803.78	549.22	7.1	69	1100	89.0	506		1300	7.00	130	36	90	9.0	0.0	490	46	87	16.0			750	<0.05	<1	1					<0.09			B&C
4928A	17-Jul-85	803.78	547.95	6.8	68	1180	102.0	480		1300	6.90	120	34	93	8.6	0.0	620	59	98	8.9			730	0.06	<1	1					0.06			B&C
4928A	14-Aug-85	803.78	546.41	6.8	74	1250	22.5			1400	7.60	230	33	79	11.0	0.0	610	44	110	<0.44	0.8		790	<0.05							<0.046			B&C
4928A	19-Sep-85	803.78	543.93	6.3	68	1250	40.5	555		1500	6.80	250	35	78	6.0	0.0	670	55	81	25.0			830	<0.05	37	2					<0.042			B&C
4928A	16-Jan-86	803.78	538.51	7.0	66	1400		180		1400	7.00	160	40	91	8.6	0.0	620	26	150	5.4			880	<0.05	<1	1					<0.063			B&C
4928A	29-Apr-86	803.78	539.84	6.6	68	900	68.0	350		1100	7.80	170	27	63	7.6	0.0	488	27	75	<4			580		<1	<1					<0.2			B&C
4928A	22-Jul-86	803.78	541.67	7.3	69	1200	66.0	460		1300	7.10	170	36	80	8.0	0.0	390	37	260	8.6			780	0.11	<1	2					<0.2			B&C
4928A	15-Oct-86	803.78	539.90	5.9	67	1200	26.0	470		1400	7.40	160	41	84	3.8	0.0	490	55	130	12.0	0.6		810	<0.05	<1	3			<10		<0.1	<20		B&C
4928A	14-Jan-87	803.78	538.50	6.9	66	340	75.0	460		1400	7.00	160	38	82	7.6	0.0	590	54	120	12.0	0.8		820	<0.05	<1	<1			<10		<0.03	<20	<0.06	B&C
4928A	15-Apr-87	803.78	536.86	5.8	69	1100	42.5	490		1500	6.80	170	44	85	6.6	<0.6	650	62	130	16.4	0.8		910	<0.05	<1	<1			<10		<0.02	<10	<0.04	B&C
4928A	24-Jul-87	803.78	532.61	7.2	70	1200	35.0	515		1400	7.00	170	47	110	8.4	<0.6	630	58	140	13.0			840	<0.05	<1	2			<20		<0.02	<20	<0.04	B&C
4928A	21-Oct-87	803.78	526.40	6.9	66	760	34.5	436		1300	7.70	140	34	82	8.5	<0.6	590	56	83	19.0	0.63		760	<0.05	<1	2			<20		0.12	<10	<0.04	B&C
4928A	29-Apr-88	803.78	518.58	8.0	66	950	32.0	203		1000	7.30	110	63	63	6.4	<0.6	480	61	50	23.0	0.3		600	11.0	<1	<1			<20		0.32	4	<0.004	B&C
4928A	28-Jul-88	803.78	518.82	7.4	67	450	37.0	385		900	7.40	99	24	51	5.6	<0.6	442	51	36	19.0	0.34		550	10.0	<1	1			<1		<0.02	<2	<0.04	B&C
4928A	08-Nov-88	803.78	511.81	7.2	65	700	32.0	350		760	7.20	91	26	49	5.6	<0.6	370	56	23	12.0	0.22		450	<3	<1	<1			<1		<0.02	<2	<0.04	B&C
4928A	07-Feb-89	803.78	507.20	7.0	66	700	35.0	360		720	7.20	92	21	35	4.5	<0.6	350	51	21	16.0	0.05		440	<5	<1	2			<1		0.92	7	<0.04	B&C
4928A	02-Apr-93	803.78	489.42	7.9	67	350	37	264		590	7.60	72	17	29	4.6	<0.6	320	35	18	8			330	<6	<0.5	1.6			<1		0.20	5	<0.04	B&C
4928A	22-Jun-93	803.78	500.59	7.8	66	440	25	252		610	7.50	72	18	29	4.5	<0.6	290	48	18	8.3			370	7.7	<1	1.4			<1		0.12	3	<0.04	B&C
4928A	24-Aug-93	803.78	509.08	NA	67	550	25	244		610	7.10	73	18	30	4.6	<0.6	290	48	17	8.2			340	<6	<1	1.3			<1		0.17	4	<0.04	B&C
4928A	19-Nov-93	803.78	515.15	7.40	66	500	22	248		600	7.40	69	17	29	4.5	<0.6	290	47	19	7.7			350	<6	<0.5	0.9			<1		0.13	3	<0.04	B&C
4928A	21-Feb-94	803.78	519.78	7.20	66	650	50	348		830	7.10	100	24	45	5.9	<0.6	430	52	34	1.4	0.3		530		<0.5	<0.5			<1		0.76	4	<0.04	B&C
4928A	05-Aug-94	803.78	526.64	7.00	66	700	55	356		820	7.00	91	23	39	5.4	<1	330	46	46	21	0.26		490		<0.5	1.6			<3		0.42	5	<0.005	B&C
4928A	20-Feb-95	803.78	510.49							830	6.90	97	25	36	5.3	<0.6	390	67	34	34	<0.05		530	21	<0.5	1.9			<5	<10	7.80	99	<0.04	B&C
4928A	24-Aug-95	803.78	524.22	7.00	68	650	100	386		900	6.90	100	25	43	5.4	<10	330	67	35	42	0.29		560	<6	<0.2	2.5			<5	<10	0.35	10	0.073	B&C
4928A	23-Feb-96	803.78	524.74	7.00	65	1015	75	400		1100	6.80	120	53	48	5.9	<10	380	75	53	57	0.32		660	<6	0.54	5.2			<1	<10	2.80	27	<0.04	B&C
4928A	23-Aug-96	803.78	523.41																														
4928A	11-Sep-96	803.78	NM																														
4928A	31-Oct-96	803.78	516.47	7.40	65.4	995	130	348		960	7.10	120	30	47	6.4	<10	360	73	45	55	0.26		630	<6	0.56	6.3			<10	<10	0.15	<50	<0.04	BCA
4928A	14-Feb-97	803.78	511.81	7.20	65.2	830	50	420		850	6.90	100	27	37	5.6	0	390	59	30	37	0.21		500	9.4	1.0	9.4			<5	<10	<0.04	<50	<0.04	VOC
4928A	26-Aug-97	803.78	504.90	7.00	66.9	825	34	372		890	6.60	110	27	41	5.5	0	400	69	38	50	0.25		590	<6	0.69	7.8			<5	<10	0.13	<50	<0.04	VOC
4928A	12-Mar-98	803.78	492.23	7.30	68.3	881	36	320		890	7.25	101	26.5	34.3	6.4	<2.0	320	84	50	7.4	0.6		593	<10	0.6	7.0			<5	<10	0.15	<50	<0.04	AETL
4928A	21-Sep-98	803.78	507.01	7.17	65.9	785	25			816	7.04	96.6	24.6	31.2	5.0	<2	358	64	29	22.1	0.4		528	<6	1.5	15.1			<5	<10	0.95	<50	<0.04	AETL
4928A	30-Mar-99	803.78	507.59	7.60	70.2	829		378		870	7.34	96.3	25.2	32.8	4.9	<2.0	324	68	33	38	0.3		565	<6	1.2	7.2			<5	<10	0.18	<50	<0.04	AETL
4928A	25-Aug-99	803.78	493.23	7.46	66.9	902	37	372		854	7.00	100	27	35.7	4.5	<2.0	332	64	32	20	0.3		546	<6	1.0	12.1			<5	<10	<0.05	<50	<0.04	AETL
4928A	10-Mar-00	803.78	476.16	7.25	64.0	528	35	340		800	7.13	102	25.6	30.1	7.0	<1	296	62	36	11.7	0.2		509	22	1.1	6.3			<5	<10	0.08	<50	<0.01	AETL
4928A	09-Oct-00	803.78	481.63	6.76	67.1	800	30	372		790	6.81	93.9	24.2	32.6	5.5	<1	286	55	30	35.0	0.2		501	<5	0.9	3.8			<5	20	<0.03	<50	<0.01	AETL
4928A	29-Mar-01	803.78	484.40	7.44	65.1	733	28	376		733	7.34	87.1	22.1	32.1	5.3	<1	290	57	21	8.0	<0.1	322	437	<5	0.8	4.5	<0.25	<0.25	<10	<10	0.06	<50	<0.01	AETL
4928A	25-Sep-01	803.78	485.40	8.10	68.2	511	32	156		817	7.31	89.6	23.2	31.2	5.3	<1	288	62.4	35	31.4	0.4	356	501	<5	0.9	6.9	<0.25	<0.25	<10	10[a]	0.23	<50	<0.01	AETL
4928A	05-Jun-02	803.78	485.26	7.65	65.5	766	26	363		761	7.20	88.6	24.1	34.5	15.8	<1	282	73	27	29.2	0.3	332	512	8[a]	0.8	5.7	<0.25	<0.25	<1	<10	0.09	<8	<50	AETL
4928A	27-Nov-02	803.78	474.58	6.90	65.3	722	32	336		824	7.13	99.4	26.1	35.3	5.5	<1	280	75	33	53.1	0.4	348	476	5.4[a]	0.6	6.3	<0.25	<0.25	<1	<10	<0.03	<8	<50	AETL
4928A	30-May-03	803.78	473.67	7.31	67.1	664	33	348		720	7.26	81.4	21.1	29.5	4.59	<1	284	56.8	20.0	11.3	0.270	318	432	<5	0.7	7.0	<0.25	<0.25	<10	0.014[a]	0.215	<50	<10	AETL
4928A	10-Dec-03	803.78	449.97	7.40	66.8	1300	35	530		1120	7.06	147	35.7	38.7	5.37	<1	464	60.4	63	27.9	0.512	575	685	13.7	0.4[a]	4.5	<0.25	<0.25	<5	12[a]	<0.02	<15	<10	AETL
4928A	08-Jan-04	803.78	477.78																														
4928A	08-Jun-04	803.78	450.35	7.31	68.0	1070	43	380		1120	6.99	135	33.0	37.6	5.74	<1	456	68.4	51.0	19.4	0.520	528	705	<5	0.7	5.1	<0.25	<0.25	<5	15[a]	<0.02	<15	<10	AETL
4928A	17-Dec-04	803.78	450.58																														
4928A	09-Jun-05	803.78	488.20	7.34	67.8	721	36	300		676	7.04	79.3	20.3	30.4	4.84	<1	248	74.0	23.9	2.25	0.174	288	408	<5	0.7	4.58	<0.25	<0.25	<5	<10	0.089	<15	<10	AETL
4928A	15-Dec-05	803.78	499.68	6.63	63.9	598	46	300		698	6.53	116.0	28.6	35.9	5.77	<1	330	74.8	37.9	4.60	0.195	424	616	<5	0.8	5.00	<0.25	<0.25	<5	<10	0.031	<15	<10	AETL
4928A	20-Jun-06	803.78	502.21	7.00	69.4	1120		300		1080	7.13	158	41.5	43.9	7.25	<1	296	150	51.4	25.9	0.266	540	767	<5	<0.25	4.60	<0.5	<0.25	<5	<10	0.012J	<15	<10	AETL
4928A	08-Aug-06	803.78	503.39	7.00	67.0	1150	48	300		1230	6.90	143	37.6	40.3	6.31	<1	282	157	58.9	25.2	0.274	540	790	<5	<0.25	1.12	<0.5	<0.25	<5	<10	0.01J	<15	<10	AETL
4928A	20-Dec-06	803.78	500.27	6.93	66.1	1000			320	1080	7.40	126	32.6	39.1	7.60	<2	<2	88	60.0	13.7	0.292	472	716	<10	<0.50	2.55	<0.50	<0.50	<50	<50	0.016J	<100	<50	AETL

Table 4

STRATHERN LANDFILL
GROUND WATER DATABASE

Source: Second 2006 Semi-Annual Groundwater Monitoring Report (July-December), Strathern Landfill, URS Corporation, January 26, 2007

PROJECT NO. 38001035.10001

		WATER LEVEL		FIELD MEASUREMENTS						GENERAL MINERALS								GENERAL MINERALS (cont.)										METALS					
POINT	DATE	REF PT.	W S E	fpH	T(f)	fEC	CO2	fAlk	LAlk	EC	LpH	Ca	Mg	Na	K	CO3	HCO3	SO4	Cl	NO3	B	HARD	TDS	COD	TCE	PCE	BENZENE	VC	Cd	Cr	Fe	Pb	Ni	LAB SOURCE
	UNITS	FT. ASL		pH	°C	µmhos/cm	ppm	ppm	mg/L	µmhos/cm	pH	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	
	MCLs			6 - 9	<100	900	- -	- -		900	6 - 9	- -	- -	- -	- -	- -	- -	250	250	10	0.5	- -	500	- -	5	5	1	0.5	5	50	0.3	50	100	
4928B	23-Oct-84	823.09								1000	7.10	110	20	100	5.4	0.0	470	60	40	19.0			620								<0.08			B&C
4928B	19-Jun-85	823.09	552.73	8.4	70	900	66.0	392		870	7.10	82	24	92	6.3	0.0	450	53	38	39.0			560	<0.05	<1	<1					<0.09			B&C
4928B	17-Jul-85	823.09	551.71	6.8	74	800	60.0	310		900	6.90	82	24	84	6.2	0.0	450	68	40	20.0			520	0.06	<1	<1					<0.06			B&C
4928B	14-Aug-85	823.09	550.29	7.2	72	850	13.0			860	7.80	120	20	65	7.2	0.0	390	56	37	12.0	0.4		530	<0.05							<0.046			B&C
4928B	19-Sep-85	823.09	547.87	6.5	70	740	30.5	350		820	6.90	130	23	49	3.3	0.0	380	61	33	36.0			510	<0.05	<1	3					<0.042			B&C
4928B	16-Jan-86	823.09	541.82	7.2	68	750		321		750	7.20	107	22	36	4.4	0.0	340	28	25	26.0			460	<0.05	<1	<1					<0.063			B&C
4928B	29-Apr-86	823.09	542.86	6.7	71	520	18.0	255		600	8.00	120	17	30	5.2	0.0	341	30	20	7.0			320		<1	1					<0.2			B&C
4928B	22-Jul-86	823.09	545.14	7.3	70	620	30.0	270		700	7.40	110	20	37	4.4	0.0	290	29	22	6.9			420	0.12	<1	3					<0.2			B&C
4928B	15-Oct-86	823.09	543.10	6.0	68	690	33.5	255		680	7.60	87	10	29	4.2	0.0	280	60	35	15.0	0.3		440	<0.05	<1	<1			<10		0.29	<20		B&C
4928B	14-Jan-87	823.09	541.32	6.7	66	500	16.5	240		700	7.30	88	21	35	4.2	0.0	340	51	18	5.3	0.5		420	0.10	<1	2			<10		<0.03	<20	<0.06	B&C
4928B	15-Apr-87	823.09	539.63	6.2	65	450	25.0	250		680	7.00	80	22	33	4.0	<0.6	340	54	18	6.6	0.4		410	0.08	<1	2			<10		0.88	<10	<0.04	B&C
4928B	24-Jul-87	823.09	535.48	6.8	70	550	8.0	290		720	7.40	87	25	36	4.3	<0.6	350	50	24	6.8			430	<0.05	<1	4			<20		<0.02	<20	<0.04	B&C
4928B	21-Oct-87	823.09	529.40	6.9	66	465	65.0	291		740	7.90	90	22	35	5.0	<0.6	370	50	21	6.4	0.25		430	<0.05	<1	<1			<20		0.20	<10	<0.04	B&C
4928B	29-Apr-88	823.09	523.37	8.6	66	455	25.0	260		710	7.80	82	31	31	4.2	<0.6	356	52	20	2.9	0.18		400	7.0	<1	3			<20		5.70	13	<0.004	B&C
4928B	28-Jul-88	823.09	521.77	7.4	68	335	25.0	336		680	7.50	85	20	30	3.9	<0.6	350	48	18	2.4	0.19		410	6.0	<1	4			<1		<0.02	<2	<0.04	B&C
4928B	08-Nov-88	823.09	515.47	7.3	66	680	20.0	400		740	7.20	83	25	51	4.7	<0.6	380	53	18	3.2	0.16		430	<3	<1	4			<1		0.04	<2	<0.04	B&C
4928B	07-Feb-89	823.09	511.00	6.6	66	670	23.0	372		680	7.30	85	24	36	4.6	<0.6	350	56	17	3.9	<0.02		400	<5	1	5			<1		2.20	3	<0.04	B&C
4928B	02-Apr-93	823.09	498.82	7.7	82.0	240	7	196		410	8.10	26	19	34	4.7	<0.6	230	24	19	<0.2			190	<6	0.90	<0.5			5		0.82	49	<0.04	B&C
4928B	22-Jun-93	823.09	502.46	7.6	69.0	500	45	300		690	7.00	70	26	39	6.2	<0.6	370	46	22	0.78			410	7.2	<1	1.7			1		14	24	<0.04	B&C
4928B	24-Aug-93	823.09	511.79		68.0	600	50	286		680	6.50	82	22	32	5.0	<0.6	370	46	17	3.4			390	<6	<1	2.0			<1		17	18	<0.04	B&C
4928B	19-Nov-93	823.09	517.50	7.6	67.0	550	33	320		690	7.10	93	25	37	5.5	<0.6	370	120	20	2.7			400	<6	<0.5	1.4			<1		82	3	<0.04	B&C
4928B	21-Feb-94	823.09	522.09	7.3	69.0	525	65	332		730	7.10	100	27	38	6.0	<0.6	430	46	22	<0.2	0.25		440		<0.5	<0.5			<1		87	13	<0.04	B&C
4928B	05-Aug-94	823.09	528.93	7.0	68.0	950		528		1000	6.80	130	35	39	6.0	<1	500	48	35	0.31	0.27		600		1.1	2.7			<3		7.9	17	<0.005	B&C
4928B	20-Feb-95	823.09	511.51	7.4	74.0	1000		NA		970	7.10	120	34	39	5.5	<0.6	550	32	38	<0.1	<0.05		580	6.9	2.7	<0.5			<5	<10	2.4	16	<0.04	B&C
4928B	24-Aug-95	823.09	527.45	7.0	72.0	800	137	524		1100	7.00	130	36	42	5.9	<10	550	45	26	30	<0.2		610	<6	1.3	4.8			<5	<10	18	14	<0.04	B&C
4928B	23-Feb-96	823.09	526.60	7.2	75.0	820	35	546		1400	6.80	190	54	52	6.5	<10	690	78	77	5.7	0.53		880	32.0	1.3	2.6			<1	<10	24	7.6	<0.04	B&C
4928B	23-Aug-96	823.09	525.61																															
4928B	11-Sep-96	823.09	NM	7.0	71.0	1000		595		1100	6.90	160	43	46	6.1	<0.6	630	50	44	27	0.31		760		1.4	5.6			<10	<10	<0.4	<50	<0.04	BCA
4928B	14-Feb-97	823.09	512.95	7.6	69.0	930	79	540		910	7.00	110	31	36	5.6	0	500	51	29	8.6	<0.2		560	15	1.1	4.2			<5	<10	0.063	<50	<0.04	VOC
4928B	26-Aug-97	823.09	505.13	7.1	71.5	1120	88	560		1000	6.60	150	41	45	6.4	0	600	48	38	6	0.21		660	34	0.78	2.5			<5	<10	0.27	<50	<0.04	VOC
4928B	12-Mar-98	823.09	492.50	7.0	73.6	1152		502		1110	7.00	97	35	81	9	<2.0	502	40	56	<0.1	0.5		802	<10	0.5	1.9			<5	<10	51.5	140	<0.04	AETL
4928B	21-Sep-98	823.09	509.2	7.3	69.6	835				1020	7.09	72	22	101	7.2	<2.0	438	57	39	6.2	0.3		618	<6	<0.5	1.6			<5	<10	44.5	<50	<0.04	AETL
4928B	30-Mar-99	823.09	509.34	6.9	72.6	1381		532		1310	7.13	154	<0.05	43.8	6.2	<2.0	600	53	55	1.3	0.3		789	<6.0	0.6	1.8			<5	<10	34.4	<50	<0.04	AETL
4928B	25-Aug-99	823.09	494.85	7.1	78.0	1240		628		1180	6.86	116	34	46	4.8	<2.0	548	67	40	6.6	0.3		754	<6.0	<0.5	1.9			<5	<10	0.33	<50	<0.04	AETL
4928B	10-Mar-00	823.09	DRY																															
4928B	09-Oct-00	823.09	DRY																															
4928B	29-Mar-01	823.09	DRY																															
4928B	25-Sep-01	823.09	DRY																															
4928B	05-Jun-02	823.09	DRY																															
4928B	27-Nov-02	823.09	DRY																															
4928B	30-May-03	823.09	DRY																															
4928B	10-Dec-03	823.09	DRY																															
4928B	08-Jun-04	823.09	DRY																															
4928B	17-Dec-04	823.09	DRY																															
4928B	09-Jun-05	823.09	DRY																															
4928B	15-Dec-05	823.09	DRY																															
4928B	08-Aug-06	823.09	DRY																															
4928B	20-Dec-06	823.09	DRY																															

Table 4

STRATHERN LANDFILL
GROUND WATER DATABASE

Source: Second 2006 Semi-Annual Groundwater Monitoring Report (July-December), Strathern Landfill, URS Corporation, January 26, 2007

PROJECT NO. 38001035.10001

		WATER LEVEL		FIELD MEASUREMENTS						GENERAL MINERALS								GENERAL MINERALS (cont.)												METALS					
POINT	DATE	REF PT.	W S E	fpH	T(f)	fEC	CO2	fAlk	LAlk	EC	LpH	Ca	Mg	Na	K	CO3	HCO3	SO4	Cl	NO3	B	HARD	TDS	COD	TCE	PCE	BENZENE	VC	Cd	Cr	Fe	Pb	Ni	LAB SOURCE
	UNITS	FT. ASL		pH	°C	µmhos/cm	ppm	ppm	mg/L	µmhos/cm	pH	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	
	MCLs			6 - 9	<100	900	- -	- -		900	6 - 9	- -	- -	- -	- -	- -	- -	250	250	10	0.5	- -	500	- -	5	5	1	0.5	5	50	0.3	50	100	
4928C	20-Feb-95	823.37	512.30																															
4928C	24-Aug-95	823.37	526.72																															
4928C	23-Feb-96	823.37	528.98																															
4928C	23-Aug-96	823.37	526.79																															
4928C	14-Feb-97	823.37	514.27																															
4928C	26-Aug-97	823.37	507.48																															
4928C	12-Mar-98	823.37	493.57																															
4928C	21-Sep-98	823.37	510.16																															
4928C	30-Mar-99	823.37	510.22																															
4928C	25-Aug-99	823.37	494.57																															
4928C	10-Mar-00	823.37	476.92																															
4928C	09-Oct-00	823.37	483.18																															
4928C	29-Mar-01	823.37	486.11	6.68	76.8	954	45	472		897	7.31	114	27.7	35.7	5.9	<1	372	54	33	24	<0.1	416	561	<5.0	<0.25	2.9	<0.25	<0.25	<5	<10	2.44	<50	<0.01	AETL
4928C	25-Sep-01	823.37	486.62	7.50	70.7	1550	65	920		1560	7.32	190	46.6	43.6	7.1	<1	612	44.6	112	24.8	0.4	720	925	<5.0	0.4[J]	5.4	<0.25	<0.25	<10	20[J]	0.4	<50	<0.01	AETL
4928C	19-Jun-02	823.37	487.13	7.30	77.5	1699	115	824		1580	7.00	151	39.8	98.3	8.41	<1	670	39	25	19.5	0.9	800	1010	13	0.4[J]	8.9	<0.25	<0.25	<1	<10	<0.03	<8	<50	AETL
4928C	27-Nov-02	823.37	475.52																															
4928C	30-May-03	823.37	475.27																															
4928C	10-Dec-03	823.37	487.65	7.45	67.5	680	30	340		756	7.24	88.6	22.3	31.4	4.47	<1	290	62.8	31	21.7	0.285	332	456	12.4	0.8	6.4	<0.25	<0.25	<5	<10	<0.02	<15	<10	AETL
4928C	08-Jan-04	823.37	479.70																															
4928C	08-Jun-04	823.37	487.78	7.47	67.1	598	40	280		702	7.14	79.3	20.2	28.8	4.74	<1	272	62.4	24.0	6.82	0.283	302	420	7.78[J]	0.8	4.8	<0.25	<0.25	<5	14[J]	0.043[J]	<15	<10	AETL
4928C	24-Jun-04	823.37	487.78																															
4928C	17-Dec-04	823.37	486.57	7.14	66.9	1487	40	380		1,440	6.96	173	42.6	41.9	6.62	<1	600	28.1	48.7	2.85	0.438	680	900	<5.0	<0.25	6.5	<0.25	<0.25	<5	<10	<0.02	<50	<10	AETL
4928C	09-Jun-05	823.37	493.62	7.22	75.5	1160	66	250		1,065	6.95	134	32.7	40.1	6.19	<1	388	75.9	56.2	5.5	0.240	474	656	<5.0	0.67	5.25	<0.25	<0.25	<5	<10	<0.02	<15	<10	AETL
4928C	15-Dec-05	823.37	504.87	6.44	65.1	842	60	300		950	6.83	76.3	19.6	27.7	5.34	<1	220	74.2	24.4	3.65	0.195	294	452	<5	0.7	4.90	<0.25	<0.25	<5	<10	0.023	<15	<10	AETL
4928C	20-Jun-06	823.37	506.00	6.87	72.1	1050		300		1090	6.88	149	37.0	42.5	7.23	<1	488	64.4	47.6	3.4	0.255	508	710	<5	0.7	7.6	<0.5	<0.25	<5	<10	0.020	<15	<10	AETL
4928C	09-Aug-06	823.37	507.42	6.75	68.4	1330	72	300		1430	6.70	172	43.0	42.1	7.15	<1	544	50.7	79.2	4.3	0.354	680	940	<5	<0.25	3.79	<0.5	<0.25	<5	<10	0.037	<15	<10	AETL
4928C	20-Dec-06	823.37	512.67	6.85	66.7	1270			600	1470	7.23	181	43.8	44.7	8.47	<2	<2	45.6	61.1	5.15	0.394	680	970	<10	<0.50	9.34	<0.50	<0.50	<50	<50	<20	<100	<50	AETL

J = Analyte detected above the method detection limit (MDL) but below the practical quantitation limit (PQL)

Table 5 – EMERGENT CHEMICALS
December 2006, January 2007 and March 2007

	Detection Limit MDL	PQL	MW-4927	MW-4928C	MW-4928A	MW-4918	MW-4918B
NDMA March 2007	0.23	2.00	0.78J ND ND	ND	0.65J	ND	ND
NDMA Dec. – 2006	0.23	2.00	---	ND	ND	---	---
NDMA Jan. - 2007	0.23	2.00	ND	---	---	ND	0.94J ND ND
TCP March 2007	0.0015	0.005	ND ND ND	ND	ND	ND	0.0017J
TCP Dec. – 2006	0.0015	0.005	---	ND	ND	---	---
TCP Jan. – 2007	0.0015	0.005	ND	---	---	ND	ND ND ND
1,4-Dioxane March 2007	1.00	2.00	ND ND ND	ND	ND	1.53J	5.18
1,4-Dioxane Dec. – 2006	1.00	2.00	---	ND	ND	---	---
1,4-Dioxane Jan. – 2007	1.00	2.00	ND	---	---	ND	ND ND ND
Perchlorate March 2007	0.30	2.00	ND ND ND	1.4J	ND	ND	ND
Perchlorate Dec. – 2006	0.30	0.30	---	ND	ND	---	---
Perchlorate Jan. – 2007	0.30	0.30	ND	---	---	2.2	7.8 10 12

Table 5 – EMERGENT CHEMICALS
December 2006, January 2007 and March 2007

	Detection Limit MDL	PQL	MW-4927	MW-4928C	MW-4928A	MW-4918	MW-4918B
MTBE March 2007	0.240	2.0	ND ND ND	ND	ND	ND	ND
MTBE Dec. – 2006	0.240	2.0	---	ND	ND	---	---
MTBE Jan. - 2007	0.240	2.0	ND	---	---	ND	ND ND ND
Hexavalent Chromium March 2007	0.144	1.0	0.25J 0.79J 0.61J	1.07	1.20	0.15J	ND
Hexavalent Chromium Dec. – 2006	0.144	1.0	---	0.51J	0.68J	---	---
Hexavalent Chromium Jan. - 2007	0.144	1.0	ND	---	---	ND	ND ND ND

MW-4928A and MW-4928C were sampled in December 2006
MW-4927, MW-4918 and MW-4918B were sampled in January 2007
All five monitoring wells were sampled in March 2007

Units = µg/L J = Semi-quantitative result ND = None Detected

Appendix A

Field Well Sampling Data Logs

Well Sampling Data Log

Project:	Los Angeles By-Products				
Date:	21-Mar-07	Well No.	4918	Sampler	Broadbent
Total Depth	365	Date		Time	
DTW	314.25 314.25	Date	21-Mar-07	Time	
Volume of Water In Well	50.75	Feet	Gallons		

Well Purging Data

Method	5S Pump/pipe	Purge Volume	268	Gallons
Start Time	1600	End Time	1710	

Parameters

	Initial	First Volume	Second Volume	Third Volume	Fourth Volume	Fifth Volume		
Time	1600	1615	1640	1710				
Temp	69.6	68.9	69.2	68.4				
EC	1.38	1.42	1.44	1.45				
pH	6.30	6.53	6.54	6.55				
Turbidity	55.8	—	18.7	6.26				

Equipment Used (Circle as Appropriate)

(LaMotte) (Hydac) (Keck)

Sample Collection Data

Time:

See Table 1

1.27 gal/purge foot

64 gal/Purge

Purge Rate - 3.83 gpm by meter

Well Sampling Data Log

Project: Los Angeles By-Products

Date: 21-Mar-07 Well No. 4918 B Sampler Broadbent

Total Depth 370 Date Time 1245

DTW 305.16 305.16 Date 21-Mar-07 Time

Volume of Water In Well 65 Feet Gallons

Well Purging Data

Method Purge Volume 480 gal Gallons

Start Time 1250 End Time 1450

Parameters

	Initial	First Volume	Second Volume	Third Volume	Fourth Volume	Fifth Volume		
Time	1250	1335	1410	1445				
Temp	71.1	71.0	70.8	71.6				
EC	1.63	1.43	1.34	1.48				
pH	6.65	6.64	6.60	6.62				
Turbidity	6.15	.84	.46	.50				

Equipment Used (Circle as Appropriate)

(LaMotte) (Hydac) Keck

Sample Collection Data

Time:

See Table 1

2.5 gal/purge foot

162.5 gal/purge volume

Well Sampling Data Log

Project:	Los Angeles By-Products				
Date:	22 ~~21~~-Mar-07	Well No.	4928A	Sampler	Broadbent
Total Depth	452	Date		Time	
DTW	~~297.95~~ 297.95	Date	22~~1~~-Mar-07	Time	1000
Volume of Water In Well	154	Feet	Gallons		

Well Purging Data

Method	Dedicated Pump 220gpm	Purge Volume	600 gal	Gallons
Start Time	~~1015~~ 1007	End Time	1040	

Parameters

	Initial	First Volume	Second Volume	Third Volume	Fourth Volume	Fifth Volume		
Time	not taken	1017	10:27	10:37	—			
Temp	4	68.7	69.1	69.1				
EC	4	1.15	1.20	1.22				
pH	4	6.67	6.42	6.46				
Turbidity	4	3.75	1.70	2.00				

Equipment Used (Circle as Appropriate)

(LaMotte) (Hydac) ~~Keck~~

Sample Collection Data

Time:

See Table 1

1.27 gal/purge foot

DTW during Purge 297.4 no drow down

4927

Well Sampling Data Log

Project:	Los Angeles by-Products					
Date:	21-Mar-07	Well No.	4927	Sampler	Broadbent	
Total Depth	375	After sample	Date		Time	
DTW	317.40 317.40	317.40	Date	21-Mar-07	Time	0930
Volume of Water In Well	58'	Feet	Gallons			

Well Purging Data

Method	SS Pump+Pipe	Purge Volume	260 gal	Gallons
Start Time	0940	End Time	1050	

Parameters

	Initial	First Volume	Second Volume	Third Volume	Fourth Volume	Fifth Volume		
Time	0945	1010	1030	1050	—			
Temp	65.5	65.8	~~1~~ 66.6	66.5	—			
EC	1.43 mS	1.39	1.40	1.38	—			
pH	6.72	6.78	6.75	6.76	—			
Turbidity	25.1	2.17	1.11	0.6	—			

Equipment Used (Circle as Appropriate)

LaMotte Hydac Keck

Sample Collection Data

Time:

See Table 1

73 gal / Purge Volume

Purge Rate ≈ 4gpm

Well Sampling Data Log

Project: Los Angeles By-Products

Date: 22-Mar-07 Well No. 4928-C Sampler Broadbent

Total Depth 377 Date Time

DTW 312.32 312.32 Date 22-Mar-07 Time

Volume of Water In Well 65 Feet Gallons

Well Purging Data

Method Ded Pump Purge Volume 780 gal Gallons

Start Time 0800 End Time 0840

Parameters

	Initial	First Volume	Second Volume	Third Volume	Fourth Volume	Fifth Volume		
Time	0801	0810	0820	0830	0840			
Temp	66.2	64.5	64.6	67.7	67.4			
EC	1.57	1.41	1.42	1.42	1.40			
pH	7.00	6.95	6.93	6.56	6.55			
Turbidity	2.40	0.70	4.75	0.97	0.65			

Equipment Used (Circle as Appropriate)

(LaMotte) (Hydac) Keck

Sample Collection Data

Time:

See Table 1

2.5 gal/purge foot

162.5 gal/purge Volume

TARGHEE, INC.

ENVIRONMENTAL CONSULTING

1987 - 2007 20 YEARS OF EXCELLENCE Targhee Inc.

October 25, 2007

Mr. Rod Nelson
Regional Water Quality Control
Board, Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013

RECEIVED
2007 OCT 26 AM 9 40
CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD
LOS ANGELES REGION

Re: **Second Quarter 2007** Groundwater Monitoring Report
Los Angles By-Products Company
Penrose, Newberry & Strathern Landfills
8230 Tujunga Avenue, Sun Valley, CA 91352

Dear Mr. Nelson:

Enclosed please find one original and two copies of Targhee, Incorporated's Second Quarter 2007 Groundwater Monitoring Report for the above-referenced properties. I have also enclosed a copy of the report on a CD-ROM.

Please contact the undersigned if you have any questions or comments regarding the enclosed report.

Sincerely,

Dave Broadbent
Environmental Consultant
R.E.A. No. 00122

Enclosure

cc: Mr. Robert McAllister (1 original; 1 copy; 1 CD)
Los Angeles By-Products

Ms. Rachel Loftin (1 original; 2 copies; 1 CD)
Unites States Environmental Protection Agency

Raul Montes, Esq. (1 original; 2 copies; 1 CD)
Greenwald, Hoffman, Meyers & Montes

Anita Sokolsky, Esq. (1 copy; 1 CD)

110 Pine Avenue, Suite 925 • Long Beach, CA 90802-4455 • (562) 435-8080 FAX (562) 590-8795
www.targheeinc.com

SECOND QUARTER 2007

GROUNDWATER MONITORING REPORT

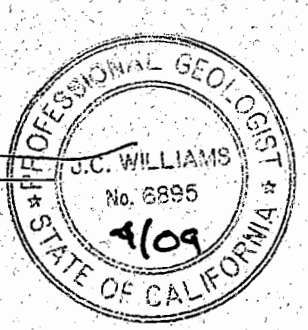
Los Angeles By-Products Company
Penrose, Newberry and Strathern Landfills
8230 Tujunga Avenue, Sun Valley, CA 91352

RECEIVED
2007 OCT 26 AM 8 40
CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD
LOS ANGELES REGION

October 2007

Dave Broadbent
Director of Technical Services
R.E.A. No. 00122

J.C. Williams
Professional Geologist No. 6895



Submitted by:

Targhee, Inc.
110 Pine Avenue, Suite 925
Long Beach, CA 90802-4455
www.targheeinc.com
562-435-8080

TABLE OF CONTENTS

		Page
1.0	INTRODUCTION	1
2.0	SITE INFORMATION	1
3.0	BACKGROUND	2
4.0	HYDROGEOLOGY	3
	4.1 Site Hydrogeology	4
5.0	MONITORING WELL PURGING	5
6.0	GROUNDWATER SAMPLING	6
7.0	GROUNDWATER ANALYSES	6
8.0	ANALYTICAL RESULTS	7
	8.1 Data Quality Assurance	7
	8.2 Emergent Chemicals Discussion	7
	8.2.1 n-Nitrosodimethylamine	8
	8.2.2 1,2,3-Trichloropropane	8
	8.2.3 1,4-Dioxane	9
	8.2.4 Perchlorate	9
	8.2.5 Hexavalent Chromium	10
	8.3 Volatile Organic Chemicals	10
	8.4 Title 22 Metals	11
9.0	DRINKING WATER STANDARDS	11
	9.1 Inorganic Chemicals	12
	9.2 Organic Chemicals	12
	9.2.1 MW-4918	12
	9.2.2 MW-4819B	13
	9.2.3 MW-2927	13

TABLE OF CONTENTS
(continued)

Page

9.2.4 MW-4928C 13
9.2.5 MW-4928A 13

TABLES

Request for Analyses ..... Table 1

Organic Analytical Results, June 2007 ..... Table 2

Inorganic Analytical Results, June 2007 ..... Table 3

Strathern Wells Historic Analytical Data (URS) ..... Table 4

Emergent Chemicals ..... Table 5

Historic Data for Emergent Chemicals ..... Table 6

FIGURES

Local Area Map ..... Figure 1

Monitoring Well Locations ..... Figure 2

Corrected Groundwater Elevations – Second Quarter 2007 ..... Figure 3

APPENDICES

Well Field Sampling Data Logs ..... Appendix A

Chain-of-Custody Forms and
Laboratory Report of Analytical Results ..... Appendix B

TARGHEE, INC.
ENVIRONMENTAL CONSULTING

SECOND QUARTER 2007
GROUNDWATER MONITORING REPORT

Los Angeles By-Products Company
Penrose, Newberry and Strathern Landfills
8230 Tujunga Avenue, Sun Valley, CA 91352

1.0 INTRODUCTION

On June 4 and 5, 2007, Targhee, Incorporated obtained groundwater samples for chemical analysis at the Los Angeles By-Products' Penrose, Newberry and Strathern landfills located at 8230 Tujunga Avenue in Sun Valley, California (Figure 1 - Local Area Map).

Groundwater monitoring wells MW-4928A, MW-4928B and MW-4928C located at the Strathern Inert Landfill ("Strathern"), as well as groundwater monitoring wells MW-4918 and MW-4918B located at the closed Penrose Landfill and MW-4927 located at the closed Newberry Landfill, were sampled and analyzed during this 2nd Quarter 2007 sampling event.

2.0 SITE INFORMATION

The site contact and responsible party are as follows:

Mr. Robert McAllister
Los Angeles By-Products Company
10940 Portal Drive
Los Alamitos, CA 90720-3482

714-828-3090 telephone
714-828-3900 fax

The closed Penrose and Newberry landfills and the active Strathern inert waste landfill are located along the east and west sides of Tujunga Avenue in Sun Valley, Los Angeles County, California. The general location of the three landfills is depicted in Figure 1 (Local Area Map). The location of the landfills and monitoring wells with respect to the local area is depicted in Figure 2 (Monitoring Well Locations).

The three landfills occupy an area of approximately 100 acres. In general, the monitoring wells are located along the perimeter. Residential neighborhoods and a park are located along the western, southern and eastern boundaries, while light industrial and manufacturing uses are located along the northern boundary of the landfills.

The topography of the three subject landfills is generally flat. The landfills are located within the area defined by Strathern Street to the south, Irvine Avenue to the west, Tuxford Street and Roscoe Boulevard to the north and Fair Avenue to the east. The Golden State Freeway (5) and San Fernando Road are located northeast of the landfills. The specific location of the landfills and monitoring wells are shown in Figure 2.

3.0 BACKGROUND

The closed Penrose Landfill is owned and was operated by Los Angeles By-Products Company. Prior to its use as a landfill, the Penrose Landfill was a gravel pit. The landfill operated under a Class II-2 permit issued in 1962 and accepted household rubbish until its closure in 1985. The landfill is currently in post-closure monitoring. A landfill-gas extraction and energy recovery system is currently operating at the landfill.

The closed Newberry Landfill was reportedly operated by Arthur Kazarian. Los Angeles By-Products is the property owner. Prior to its use as a landfill, the Newberry Landfill was a gravel pit. The landfill accepted rubbish from approximately 1948 until its closure in May 1955.

The Strathern Landfill is owned and operated by Los Angeles By-Products and is currently an operating "inerts" landfill that opened on September 21, 1992. Prior to its use as a landfill, the Strathern Landfill was a gravel pit. The Strathern Landfill accepts only inert waste such as asphalt, brick, uncontaminated soil and aggregates.

A Solid Waste Assessment Test ("SWAT") was completed for the Penrose and Newberry landfills in the late 1980s by Law Environmental, Inc. A Supplemental SWAT encompassing the Penrose and Newberry landfills was also prepared by Law Environmental, Inc. in 1989. The Supplemental SWAT concluded that there was no apparent threat to groundwater from landfill gas or migration from the Penrose and Newberry landfills and that landfill gas was being effectively controlled at the Penrose Landfill by the landfill gas collection system. The trash appeared to be unsaturated, and there was no evidence of leachate production at the Penrose and Newberry landfills.

The July 1, 1989 SWAT Supplemental Monitoring Report[1] stated that "*...the most significant change in the ground water quality has been with the rise and fall of TCE concentrations which appear to be related to regional plumes moving through the area*". On September 22, 1989, the RWQCB approved the SWAT report and stated:

---

[1] "Solid Waste Assessment Test (SWAT) Supplementary Monitoring Report", Penrose and Newberry Landfills (Closed) and Strathern Pit, Sun Valley District, Los Angeles, CA, Law Environmental, July 1, 1989.

> *"1. The elevated levels of trichloroethylene and nitrate found in both the upgradient and downgradient wells around the Penrose Landfill are the result of unknown sources upgradient of the landfill."*

Beginning in 1984 and continuing through February 1989, groundwater was routinely collected and analyzed from monitoring wells MW-4928A and MW-4928B. With the opening of the Strathern inert waste landfill in 1992, monitoring wells MW-4928A, MW-4928B and MW-4928C are monitored semi-annually according to the current Monitoring and Reporting Program. The enclosed Table 4 and associated graphs contain the historic analytical results[2] for groundwater analyzed from Strathern wells MW-4928A, MW-4928B and MW-4928C by URS.

The current Strathern Landfill monitoring program requires semi-annual groundwater monitoring. The URS Corporation's ("URS") January 19, 2006, "Second 2005 Semi-Annual Groundwater Monitoring Report" for the Strathern Landfill concluded that "*...because the landfill receives inert solid waste and the amount of water-soluble material is negligible, URS believes the potential for leachate from the landfill continues to be low*".

4.0 HYDROGEOLOGY

The hydrogeology of the vicinity of the site was determined from available published literature, consultant reports, and from observations made during the monitoring event.

Law Environmental, Inc.'s June 29, 1988, Solid Waste Assessment Test (SWAT) Water report for the Penrose and Newberry landfills states, in part, the following:

> *The geologic units found beneath the site area, from youngest to oldest: 1) Holocene alluvium, 2) upper Pleistocene (older) alluvium, 3) Plio-Pleistocene Saugus Formation, 4) Miocene sedimentary formations, and 5) pre-Cretaceous crystalline and metamorphic rocks.*
>
> *Most of the ground water within a mile of the site is within the Pleistocene alluvium. The Holocene alluvium is more than 100 feet above the perennial ground water surface. The Holocene alluvium transmits water to the Pleistocene alluvium during recharge events. The Miocene and pre-Cretaceous rocks beneath the alluvium are not used for water supply because they do not contain economically exploitable volumes of water.*

---

[2] Table 4 and associated graphs are taken from the January 26, 2007 Second Semi-Annual Groundwater Monitoring Report, URS Corporation.

The Holocene alluvium lies above the main waterbearing portion of the alluvium.

Most of the usable ground water beneath the site lies within the Pleistocene alluvium and is within the main San Fernando Valley Hydrologic area. This geologic unit...consists of over 450 feet of sand, gravel and boulders with red clay lenses. Both alluvium units unconformably overlie the underlying bedrock.

Ref: California Water Rights Board, 1962, "Report of Referee, The City of Los Angeles vs. City of San Fernando, et al.," No. 650079.

4.1 Site Hydrogeology

Prior to purging any well, the depth to groundwater was measured to an accuracy of 0.01 feet in each of the monitoring wells using Los Angeles By-Products' water level indicator. The water-level measurements were used to determine the volume of water present in each of the wells, as well as the gradient and direction of the groundwater flow beneath the site. The depth to water measurements was recorded on the Field Well Sampling Data Logs contained in Appendix A. The following table contains the results of the June 4, 2007 depth-to-water measurements.

Corrected Groundwater Elevations June 2007

Well I.D.	Top of Casing Elevation[1] (feet above sea level)	Depth to Groundwater[2] (below top of casing)	Groundwater Elevation (ft)
MW-4918	822.07	307.96	514.11
MW-4918B	809.91	297.83	512.08
MW-4927	827.15	310.75	516.40
MW-4928A	803.47	289.56	513.91
MW-4928C	821.46	305.69	515.77

1. Top of casing elevations resurveyed by Dulin & Boynton, Licensed Surveyors, Inc., July 17, 2007.
2. Recalibration of LA By-Products' dedicated water-level meter indicates that some depth-to-water measurements conducted prior to June 2007 may be in error.
3. Groundwater elevations contained in this report have been calculated using the July 17, 2007 survey data by Dulin & Boynton and the June 4, 2007 depth-to-water measurements which were measured with LA By-Products' new dedicated water-level meter.

Historic documentation of groundwater flow beneath the Penrose, Newberry and Strathern landfills have consistently shown a south to southeasterly groundwater flow direction. However, as shown in Figure 3, based on the 2nd Quarter 2007 groundwater elevation data, the current, generalized groundwater flow direction beneath the site is to the south-southwest.

The current flow pattern of groundwater appears to be influenced by the infiltration of a massive amount of storm water to the subsurface during the storm-induced washout of Tujunga Avenue in 2005 and the ongoing daily infiltration of street runoff to the subsurface directly south of MW-4928C (i.e., the washed-out Tujunga Avenue roadbed).

5.0 MONITORING WELL PURGING

Groundwater sampling was conducted on June 4 and 5, 2007. During the groundwater monitoring event, no significant deviation from the revised January 24, 2007 Groundwater Sampling and Analysis Plan occurred.

All down-hole equipment was pre-cleaned before insertion into the monitoring wells. The stainless steel pump and individual 10-foot lengths of stainless steel tubing were steam-cleaned inside and out prior to insertion into each well; that is, all equipment was properly decontaminated between each monitoring well.

Following the completion of water-level measurements and prior to the collection of groundwater samples, a minimum of three well volumes of groundwater was purged (removed) from each monitoring well. Purge rates between 4 and 5 gallons per minute were maintained during the purging of Monitoring well MW-4927, MW-4918 and MW-4918B.

Dedicated well pumps are present in MW-4928A and MW-4928C. These wells are purged at a rate of approximately 20 gallons per minute. The purge rate of these two wells cannot be reduced because the dedicated pumps are not variable-flow pumps. This purge rate did not have an impact on the sampling effort because drawdown observed during the purging process at each well was less than 3 feet. An attached sample valve allowed actual groundwater sampling at a reduced rate that minimized/prevented aeration during the sampling process of these wells.

The temperature, pH and conductivity were measured by Targhee after the removal of each well volume. Sequential measurements were within 10% following the removal of three well volumes in each of the wells. At a minimum, turbidity was measured during the removal of the final well volume. The testing instruments (Hanna Temperature-Conductivity-pH Tester and LaMotte Model 2008 Turbidity Meter) were calibrated according to the manufacturer's instructions prior to use. The values for the measurements of these above-stated parameters are shown on the Field Well Sampling Data Logs contained in Appendix A.

6.0 GROUNDWATER SAMPLING

All groundwater sampling was conducted under the supervision of J.C. Williams, Professional Geologist No. 6895. Groundwater samples were collected by F. David Broadbent (REA No. 122), as described in the January 24, 2007 Groundwater Sampling and Analysis Plan. Samples were placed directly into the appropriate laboratory-supplied containers (i.e., 40-ml VOA container, 1-liter amber glass bottle, 125-ml poly container, 500-ml poly container or 1-liter poly container) based on the analysis to be performed.

Detailed information regarding the analyses requested, preservative and container requirements and holding times for the groundwater samples taken during this monitoring event are presented in Table 1 (Request for Analyses).

All samples collected were placed in an iced cooler at 4°C for transportation to American Scientific Laboratories, LLC, a State-certified laboratory (CA DHS ELAP No. 2200). Standard Chain-of-Custody procedures were maintained on all samples. The Chain-of-Custody Record with a request for analysis was initiated in the field by Targhee. Each time responsibility for custody of the samples changed, the receiving and relinquishing custodians signed the record and entered the date and time of transfer of the samples. The laboratory signed for the receipt of the samples and returned a copy of the Chain-of-Custody Record to Targhee.

7.0 GROUNDWATER ANALYSES

All groundwater samples were submitted to American Scientific Laboratories, 2520 North San Fernando Road, Los Angeles, CA (CA-DHS ELAP No. 2200) and analyzed for the parameters outlined below

ANALYTICAL PARAMETERS

Parameter	Method	Target Detection Limit
Volatile Organic Compounds Including MTBE	8260B	See Lab Sheet
Dissolved Title 22 Metals (field-filtered)	6010B	See Lab Sheet
Hexavalent Chromium	7199	0.5 µg/L
Nitrate/Nitrite	300	0.10 mg/L
Chloride	300	1.0 mg/L
Sulfate	300	1.0 mg/L
Fluoride	300	0.10 mg/L

Parameter	Method	Target Detection Limit
Perchlorate	314	4 µg/L
1,4-Dioxane	8270C-MOD	2 µg/L
NDMA	1625C/M	0.002 µg/L
1,2,3-Trichloroproane	524.2 - SIM	0.005 µg/L
Total Dissolved Solids (TDS)	160.1	20.0 mg/L
Total Organic Carbon (TOC)	415.2	2.0 mg/L
Calcium	6010B	0.25
Magnesium		0.25
Sodium		1
Potassium		1
Hardness	130.2	5.0 mg/L
Alkalinity	SM 2320	2 to 20 mg/L
Sulfide	376.2	0.01
µg/L – micrograms/liter		mg/L – milligrams/liter

8.0 ANALYTICAL RESULTS

Tabulated analytical results for this 2nd Quarter 2007 groundwater monitoring effort are contained in Table 2 (Organic Analytical Results) and Table 3 (Inorganic Analytical Results). The laboratory report of analytical results, including QA/QC results and Chain-of-Custody forms, can be found in Appendix B.

8.1 Data Quality Assurance

A review of the laboratory's Quality Control Reports for each of the analyses performed did not reveal any items that would invalidate the data. All samples were either analyzed or prepared within their respective holding times.

8.2 Emergent Chemicals Discussion

Analytical results for the analysis of emergent chemicals during this 2nd Quarter 2007 sampling event are tabulated in the attached Table 5 (Emergent Chemicals). A compilation of historical analytical results for the emergent chemicals are contained in Table 6 (Historic Data for Emergent Chemicals).

8.2.1 n-Nitrosodimethylamine ("NDMA")

Upgradient monitoring well MW-4918 contained a semi-quantitative concentration of 0.84J nanograms per liter ("ng/L" or parts per trillion) of NDMA. NDMA was not detected in MW-4918 during 4th Quarter 2006 and 1st Quarter 2007 sampling.

Monitoring well MW-4918B was used for the QA/QC sample duplicate ("MW-Dup") with an additional third sample obtained from MW-4918B for use as the matrix spike sample (MSD). A semi-quantitative concentration of 0.54J ng/L NDMA was found in sample MW-4918B and a semi-quantitative concentration of 1.3J ng/L NDMA was found in duplicate sample MW-Dup during 2nd Quarter 2007 monitoring. While no NDMA was detected in MW-4918B during 1st Quarter 2007 sampling, a semi-quantitative concentration of 0.94J ng/L was detected during 4th Quarter 2006 sampling.

Upgradient monitoring well MW-4927 contained no detectable concentrations of NDMA. While no NDMA was detected in MW-4927 during 1st Quarter 2007 sampling, a semi-quantitative concentration of 0.78J ng/L was detected during 4th Quarter 2006 sampling.

Strathern monitoring well MW-4928A contained a semi-quantitative concentration of 0.59J ng/L NDMA. A semi-quantitative concentration of 0.65J ng/L was detected in MW-4928A in 1st Quarter 2007; however, no NDMA was detected in MW-4928A during 4th Quarter 2006 sampling.

Strathern monitoring well MW-4928C contained a semi-quantitative concentration of 0.42J ng/L NDMA. No NDMA was detected in MW-4928C during 4th Quarter 2006 and 1st Quarter 2007 sampling.

8.2.2 1,2,3-Trichloropropane ("TCP")

TCP was not detected in monitoring well MW-4918. TCP was not detected in MW-4918 during the 1st Quarter 2007 and 4th Quarter 2006 sampling.

No TCP was detected in sample MW4918B during 2nd Quarter 2007 sampling; however, a single, semi-quantitative concentration of 0.0016J µg/L TCP was found in duplicate sample MW-Dup. In 1st Quarter 2007, a semi-quantitative concentration of 0.0017J µg/L was detected in MW-4918B; however, no TCP was detected in MW-4918B during 4th Quarter 2006 sampling.

TCP was not detected in MW-4927, MW-4829A or MW-4928C during this 2nd Quarter 2007 sampling event. TCP was not detected in MW-4927 during the 4th Quarter 2006

and 1st Quarter 2007 sampling. TCP was not detected in MW-4928A and MW-4928C during December 2006 and 1st Quarter 2007 sampling.

8.2.3 1,4-Dioxane ("dioxane")

No detectable concentration of dioxane was found in MW-4918 during 2nd Quarter 2007. A semi-quantitative concentration of 1.53J µg/L dioxane was detected in MW-4918 during 1st Quarter 2007. No dioxane was detected in MW-4819 during 4th Quarter 2006; however, the Method Detection Limit ("MDL") for the 4th Quarter 2006 analyses was 2.0 µg/L.

MW-4918B and duplicate sample MW-Dup contained dioxane at concentrations of 17.7 µg/L and 15.9 µg/L, respectively. Dioxane was detected in MW-4918B at a concentration of 5.18 µg/L in 1st Quarter 2007. Dioxane was not detected in MW-4918B during the 4th Quarter 2006 sampling. The MDL for the 4th Quarter 2006 analysis was 2.0 µg/L.

No detectable concentrations of dioxane were found in MW-4927 during this 2nd Quarter 2007 sampling. No dioxane was detected in this well during the 1st Quarter 2007 and 4th Quarter 2006 sampling. The MDL for the 4th Quarter 2006 analysis was 2.0 µg/L.

No detectable concentrations of dioxane were found in Strathern wells MW-4928A and MW-4928C during this 2nd Quarter 2007 sampling. No dioxane was detected in these wells during the 1st Quarter 2007 and December 2006 sampling. The MDL for the December 2006 analyses was 2.0 µg/L.

8.2.4 Perchlorate

MW-4918, MW-4918B and duplicate sample MW-Dup contained no detectable concentrations of perchlorate. Perchlorate was not detected in MW-4918 and MW-4918B during 1st Quarter 2007 sampling. Low concentrations of perchlorate were detected in MW-4918 (2.2 µg/L) and MW-4918B (7.8 µg/L) during 4th Quarter 2006 sampling.

MW-4927 contained a semi-quantitative concentration of 0.41 µg/L perchlorate. Perchlorate was not detected in MW-4927 during the 1st Quarter 2007 and 4th Quarter 2006 sampling.

Upgradient Strathern well MW-4928C contained 18 µg/L perchlorate. Downgradient Strathern well MW-4928A contained a semi-quantitative concentration of 0.93J µg/L perchlorate. However, the equipment blank sample for this sampling day (i.e., "MWB"

collected on June 5, 2007) also contained perchlorate at a semi-quantitative concentration of 0.84J µg/L.

8.2.5 Hexavalent Chromium

A semi-quantitative concentration of 0.24J µg/L hexavalent chromium was detected in MW-4918 during this 2nd Quarter 2007 sampling. However, the equipment blank sample for this sampling day (i.e., "MWB" collected on June 4, 2007) also contained hexavalent chromium at a semi-quantitative concentration of 0.18J µg/L. In 1st Quarter 2007, hexavalent chromium was detected in MW-4918 (0.15J µg/L). No hexavalent chromium was detected in this well during the 4th Quarter 2006 sampling.

No detectable concentrations of hexavalent chromium were found in MW-4918B or duplicate sample MW-Dup. Hexavalent chromium was not detected in MW-4918B during 4th Quarter 2006 and 1st Quarter 2007 sampling.

No detectable concentrations of hexavalent chromium were found in MW-4927. A semi-quantitative concentration of 0.25J µg/L was detected in this well during 1st Quarter 2007 sampling; however, no hexavalent chromium was detected in this well during 4th Quarter 2006 sampling.

Quantifiable concentrations of hexavalent chromium were found in Strathern wells MW-4928A (1.14 µg/L) and MW-4928C (1.27 µg/L) during 2nd Quarter 2007 sampling. In 1st Quarter 2007, hexavalent chromium was detected in MW-4928A and MW-4928C at concentrations of 1.2 µg/L and 1.07 µg/L, respectively. In 4th Quarter 2007, hexavalent chromium was detected in MW-4928A and MW-4928C at semi-quantitative concentrations of 0.68J µg/L and 0.51J µg/L, respectively.

8.3 Volatile Organic Chemicals

In general, the concentrations of Volatile Organic Compounds ("VOCs") and, more specifically the concentrations of trichloroethene ("TCE") and perchloroethene ("PCE"), detected during the 2nd Quarter 2007 sampling event are unchanged from the 1st Quarter 2007 and 4th Quarter 2006 sampling events.

Monitoring well MW-4918 contained 13.2 µg/L PCE and 5.2 µg/L TCE. Cis-1,2-dichlorethene (cis-1,2-DCE) and 1,1-dichloroethene ("1,1-DCE"), both degradation products of PCE and TCE, were detected in MW-4918 at concentrations of 2.2 µg/L and 4.7 µg/L , respectively. No other VOCs were detected in MW-4918.

Monitoring well MW-4918B contained 4.7 µg/L PCE and 37.1 µg/L TCE. Duplicate sample MW-Dup contained 4.7 µg/L PCE and 34.1 µg/L TCE. The degradation product cis-1,2-DCE was also detected in MW-4918B (15 µg/L) and duplicate sample MW-Dup (14.5 µg/L). MW-4918B and duplicate sample MW-DUP also contained detectable concentrations of chlorobenzene (3.3 µg/L and 3.2 µg/L, respectively), 1,2-dichlorobenzene (0.6J µg/L and 0.7J µg/L, respectively) and 1,4-dichlorobenzene (1.5 µg/L and 1.6 µg/L, respectively). Chlorinated benzenes were not detected in any other monitoring well during the 2nd Quarter 2007 sampling.

Monitoring well MW-4927 contained 1.4 µg/L of PCE only; no other VOCs were detected in MW-4927 during 2nd Quarter 2007 sampling.

Monitoring well MW-4928A contained 1.3 µg/L of PCE only; no other VOCs were detected in MW-4928A during 2nd Quarter 2007 sampling.

Monitoring well MW-4928C contained 8.7 µg/L of PCE. Semi-quantitative concentrations of TCE (0.2J µg/L) and 1,1-dichloroethane (0.7J µg/L) were also detected in MW-4928C. No other VOCs were detected in MW-4928C.

The analogous concentrations of PCE detected in Penrose wells MW-4918 and MW-4918B, as well as the concentrations of TCE detected in well MW-4918B, evidence an upgradient source for the PCE and TCE detected beneath the Penrose Landfill. The PCE detected in Newberry well MW-4927 also indicates an upgradient source of the PCE.

8.4 Title 22 Metals

Concentrations of Title 22 Metals exceeding Federal Maximum Contaminant Levels ("MCLs"), Action Levels ("ALs") or Secondary Standards for drinking water were not detected in any groundwater sample. Concentrations of Title 22 Metals exceeding State MCLs or ALs for drinking water were not detected in any groundwater sample.

Concentrations of Title 22 Metals exceeding Federal MCLs and ALs or State MCLs and ALs were not detected during the last three quarters of groundwater monitoring at the site.

9.0 DRINKING WATER STANDARDS

Attached Tables 2 and 3 contain a tabulation of the 2nd Quarter 2007 groundwater monitoring analytical data. Attached Table 4 contains a historical tabulation of the groundwater monitoring data for the Strathern monitoring wells MW-4928A, MW-4928B and MW-4928C.

9.1 Inorganic Chemicals

A nitrate concentration of 12.6 mg/L in MW-4928A was the only inorganic constituent detected that slightly exceeded its Federal and California MCL or AL for drinking water. No other inorganic chemical (i.e., TOC, anions, cations, sulfides, Title 22 Metals, alkalinity, etc.) exceeding Federal or California MCLs or ALs for drinking water was detected in any 2nd Quarter 2007 groundwater sample.

Concentrations of Total Dissolved Solids ("TDS") detected in all wells during 2nd Quarter 2007 exceeded the Federal Secondary Standard for drinking water (500 mg/L), but were within range of the California Secondary drinking water standard for TDS (500 - 1,000 mg/L).

9.2 Organic Chemicals

The concentrations of PCE and/or TCE detected in wells MW-4918, MW-4918B and MW-4927 evidence an upgradient, off-site source of PCE and TCE.

The concentrations of PCE and TCE detected during this 2nd Quarter 2007 sampling event are unchanged from the 1st Quarter 2007 and 4th Quarter 2006 sampling events. This evidences a stable plume. Additionally cis-1,2-D and/or 1,1-DCE were detected in wells with PCE and TCE. Both cis-1,2-DCE and 1,1-DCE are degradation products of PCE and TCE and their presence indicates that degradation of the PCE and TCE is occurring through natural attenuation.

9.2.1 MW-4918

The Federal and State MCL of 5 µg/L for PCE was exceeded in MW-4918 (13.2 µg/L). The Federal and State MCL of 5 µg/L for TCE was slightly exceeded in Penrose well MW-4918 (5.2 µg/L).

Cis-1,2-DCE was detected in MW-4918 (2.2 µg/L) at a level below both the Federal MCL of 70 µg/L and the State MCL of 6 µg/L for cis-1,2-DCE. 1,1-DCE was detected in MW-4918 (4.7 µg/L) only, at a concentration below the Federal MCL of 7 µg/L and State MCL of 6 µg/L for 1,1-DCE.

9.2.2 MW-4918B

The concentration of PCE detected in Penrose well MW-4918B was below the Federal and State MCL of 5 µg/L for PCE. The concentration of TCE (37.1 µg/L) detected in MW-4918B exceeds the Federal and State MCL of 5 µg/L for TCE.

Cis-1,2-DCE was detected in MW-4918B at a concentration of 15 µg/L. This level is below the Federal MCL of 70 µg/L for cis-1,2-DCE, but exceeds the State MCL of 6 µg/L.

Chlorobenzene (3.3 µg/L), 1,2-dichlorobenezene (0.6J µg/L) and 1,4-dichlorobenzene (1.5 µg/L) were detected in well MW-4918B only. These detected concentrations are all below the Federal MCLs for chlorobenzene (100 µg/L), 1,2-dichlorobenzene (600 µg/L) and 1,4-dichlorobenzene (75 µg/L), as well as below the State MCLs for 1,2-dichlorobenzene (600 µg/L) and 1,4-dichlorobenzene (5 µg/L). There is no State MCL for chlorobenzene.

9.2.3 MW-4927

Newberry well MW-4927 contained 1.4 µg/L of PCE only. This concentration is below the Federal and State MCL of 5 µg/L for PCE. No other VOCs were detected in MW-4927.

9.2.4 MW-4928C

The Federal and State MCL of 5 µg/L for PCE were exceeded in upgradient Strathern well MW-4928C (8.7 µg/L). The trace amount of TCE detected in well MW-4928C (0.2J µg/L) is one order of magnitude lower than the Federal and State MCL of 5 µg/L for TCE.

Only MW-4928C contained a trace amount of 1,1-DCA (0.7J µg/L). This concentration does not exceed the State MCL of 5 µg/L for 1,1-DCA. There is no Federal MCL for 1,1-DCA.

9.2.5 MW-4928A

The concentration of PCE detected in Strathern well MW-4928A (1.3 µg/L) is below the Federal and State MCL of 5 µg/L for PCE. No other VOCs were detected in MW-4928A.

TABLES

Table 1

Table 1
Request For Analyses
Penrose, Newberry and Strathern Landfills Quarterly Groundwater Sampling Event
(Matrix Groundwater)

			Organics			Inorganics		
Specific Analysis Requested			VOC & MTBE 8260B	1,4-Dioxane 8270C-MOD	1,2,3-Trichloropropane 524.2 - SIM 8270-Mod	NDMA 1625C	TOC 415.2	Sulfide
Analytical Holding Time			< 14 Days	<7 Days Extraction <40 days analysis	<14 Days	<7 Days	<28 days	<7 Days
Preservatives			Add 1:1 HCl to pH <2; chill to 4°C	chill to 4°C	Add 1:1 HCl to pH <2; chill to 4°C	Chill to 4°C	H_2SO_4 to pH <2; chill to 4°C	NaOH +ZNAC pH>9; cool to 4°C
Sample Containers			3 x 40 ml VOA Vials	1 x Liter Amber Glass	3 x 40 ml VOA Vials	2 x Liter Amber Glass	1 @ 125 ml Polyethylene	1 x 500 ml Polyethylene
Sample Location	Sample Schedule Day	Con.						
MW-4918	Day 1	Low	X	X	X	X	X	X
MW-4918B	Day 1	Low	X	X	X	X	X	X
MW-4927	Day 1	Low	X	X	X	X	X	X
MW-4928A	Day 1	Low	X	X	X	X	X	X
MW-4928C	Day 1	Low	X	X	X	X	X	X
Duplicate	Day 1	Low	X	X	X	X	X	X
Field/Equip. Blank	Day 1	Low	X	X	X	X	X	X
MS/MSD	Day 1	Low	X	X	X	X	X	X
	Total Containers		27	9	27	18	9	9
CAM Metals Include: Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Th, V, Zn.								

Table 1

Table 1
Request For Analyses
Penrose, Newberry and Strathern Landfills Quarterly Groundwater Sampling Event
(Matrix Groundwater)

Specific Analysis Requested			Perchlorate 314	Dissolved CAM* Metals 6010B	Hexavalent Chromium 7199	Nitrite/Nitrate 300	Chloride, Sulfate Fluoride 300.0	Calcium Magnesium Sodium Potassium 6010B	Alkalinity	Total Dissolved Solids
Analytical Holding Time			<28 days	<180 days	<24 Hours	<48 Hours	<28 days	<28 days	<14 days	<7 days
Preservatives			Chill to 4°C	HNO_3 pH<2 chill to 4°C	Chill to 4°C	Chill to 4°C	Chill to 4°C	Chill to 4°C	Chill to 4°C	Chill to 4°C
Sample Containers			1 x 500 ml Polyethylene	1 x 500 ml Polyethylene	1 x 500 ml Polyethylene	1 x Liter Polyethylene				
Sample Location	Sample Schedule Day	Con.								
MW-4918	Day 1	Low	X	X	X	X	X	X	X	X
MW-4918B	Day 1	Low	X	X	X	X	X	X	X	X
MW-4927	Day 1	Low	X	X	X	X	X	X	X	X
MW-4928A	Day 1	Low	X	X	X	X	X	X	X	X
MW-4928C	Day 1	Low	X	X	X	X	X	X	X	X
Duplicate	Day 1	Low	X	X	X	X	X	X	X	X
Field/Equip. Blank	Day 1	Low	X	X	X	X	X	X	X	X
MS/MSD	Day 1	Low	X	X	X	X	X	X	X	X
	Total Containers		9	9	9	9	9	9	9	9
CAM Metals Include: Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Th, V, Zn.										

Table 1
Request For Analyses
Penrose, Newberry and Strathern Landfills Quarterly Groundwater Sampling Event
(Matrix Groundwater)

Specific Analysis Requested			Hardness
Analytical Holding Time			< 6 months
Preservatives			HNO_3 pH<2 chill to 4°C
Sample Containers			1 x 250 ml Polyethylene
Sample Location	Sample Schedule Day	Con.	
MW-4918	Day 1	Low	X
MW-4918B	Day 1	Low	X
MW-4927	Day 1	Low	X
MW-4928A	Day 1	Low	X
MW-4928C	Day 1	Low	X
Duplicate	Day 1	Low	X
Field/Equip. Blank	Day 1	Low	X
MS/MSD	Day 1	Low	X
	Total Containers		9
CAM Metals Include: Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Th, V, Zn.			

TABLE 2: ORGANIC ANALYTICAL RESULTS - SECOND QUARTER 2007
Penrose, Newberry and Strathern Landfills

Analysis	EPA Method	Units	Detection Limit		QA/QC	Holding Time	MW-4918 6/04/07	MW-4918B 6/04/07	MW-Dup 6/04/07	MW-4927 6/04/07	MW-4928A 6/05/07	MW-4928C 6/05/07	MWB Equipment Blank 6/04/07	MWB Equipment Blank 6/05/07
			MDL	PQL										
N-Nitrosodimethylamine (NDMA)	1625M	ng/L	0.23	2	Within Limits	Within Limits	0.84J	0.54J	1.3J	ND	0.59J	0.42J	ND	ND
1,2,3-Trichloropropane (TCP)	524.2M-SIM	µg/L	0.0015	0.0050	Within Limits	Within Limits	ND	ND	0.0016J	ND	ND	ND	ND	ND
1,4-Dioxane	8270C	µg/L	1.00	2.00	Within Limits	Within Limits	ND	17.7	15.8	ND	ND	ND	ND	ND
Volatile Organic Compounds	**8260B**													
Chlorobenzene	8260B	µg/L	0.176	1.0	Within Limits	Within Limits	ND	3.3	3.2	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	8260B	µg/L	0.358	1.0	Within Limits	Within Limits	ND	0.6J	0.7J	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	8260B	µg/L	0.384	1.0	Within Limits	Within Limits	ND	1.5	1.6	ND	ND	ND	ND	ND
Dichlorodifluoromethane	8260B	µg/L	0.244	3.0	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	8260B	µg/L	0.372	1.0	Within Limits	Within Limits	ND	ND	ND	ND	ND	0.7J	ND	ND
1,1-Dichloroethene	8260B	µg/L	0.355	1.0	Within Limits	Within Limits	4.7	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	8260B	µg/L	0.279	1.0	Within Limits	Within Limits	2.2	15	14.5	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	8260B	µg/L	0.421	1.0	Within Limits	Within Limits	13.2	4.7	4.7	1.4	1.3	8.7	ND	ND
1,1,1-Trichloroethane	8260B	µg/L	0.15	1.0	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	8260B	µg/L	0.117	1.0	Within Limits	Within Limits	5.2	37.1	34.1	ND	ND	0.2J	ND	ND
Toluene	8260B	µg/L	0.282	1.0	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	8260B	µg/L	0.240	2.0	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Remaining 8260B Compounds	8260B	µg/L	varies	varies	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 3: INORGANIC ANALYTICAL RESULTS - SECOND QUARTER 2007
Penrose, Newberry and Strathern Landfills

Analysis	EPA Method	Units	Detection Limit		QA/QC	Holding Time	MW-4918 6/04/07	MW-4918B 6/04/07	MW-Dup 6/04/07	MW-4927 6/04/07	MW-4928A 6/05/06	MW-4928C 6/05/07	MWB Equipment Blank 6/04/07	MWB Equipment Blank 6/05/07
			MDL	PQL										
Total Dissolved Solids	160.1	mg/L	5	10	Within Limits	Within Limits	881	893	890	732	655	818	ND	ND
Total Alkalinity as $CaCO_3$	SM2320B	mg/L	5	10	Within Limits	Within Limits	745	575	595	585	345	615	ND	ND
Bicarbonate Alkalinity as $CaCO_3$	SM2320B	mg/L	5	10	Within Limits	Within Limits	745	575	595	585	345	615	ND	ND
Carbonate Alkalinity as $CaCO_3$	SM2320B	mg/L	5	10	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Hydroxide as $CaCO_3$	SM2320B	mg/L	5	10	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Total Hardness	130.2	mg/L	5	10	Within Limits	Within Limits	750	740	740	620	500	670	ND	ND
Chloride	300	mg/L	0.241	1.0	Within Limits	Within Limits	24.8	131	130	21.3	76	62	0.68J	ND
Fluoride	300	mg/L	0.013	0.1	Within Limits	Within Limits	-----	-----	-----	-----	-----	-----	-----	-----
Nitrate as N	300	mg/L	0.007	0.1	Within Limits	Within Limits	5.02	ND	ND	7.32	12.6	7.75	ND	ND
Nitrite as N	300	mg/L	0.0052	0.050	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Sulfate	300	mg/L	0.07	1.0	Within Limits	Within Limits	59.7	67.4	66.2	52.3	93.1	55.4	0.95J	0.89J
Perchlorate	314.0	µg/L	0.30	2.00	Within Limits	Within Limits	ND	ND	ND	0.41J	0.93J	18	ND	0.84J
Sulfide	376.2	mg/L	0.01	0.02	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Total Organic Carbon (TOC)	415.2	mg/L	0.02	0.10	Within Limits	Within Limits	2.7	11.2	12	1.7	1.8	2.8	1.2	1.7
Calcium	6010B	mg/L	0.08	0.25	Within Limits	Within Limits	241	226	236	199	149	205	2.35	0.70
Magnesium	6010B	mg/L	0.04	0.25	Within Limits	Within Limits	54.3	51.7	51.6	45.6	36.6	47.7	0.11J	0.70
Potassium	6010B	mg/L	0.50	1.00	Within Limits	Within Limits	9.49	9.55	9.28	8.58	6.98	8.72	ND	ND
Sodium	6010B	mg/L	0.50	1.00	Within Limits	Within Limits	47.0	47.5	46.7	50.2	43.9	56.4	0.96	0.87J

TABLE 3: INORGANIC ANALYTICAL RESULTS - SECOND QUARTER 2007
Penrose, Newberry and Strathern Landfills

Analysis	EPA Method	Units	Detection Limit		QA/QC	Holding Time	MW-4918 6/04/07	MW-4918B 6/04/07	MW-Dup 6/04/07	MW-4927 6/04/07	MW-4928A 6/05/06	MW-4928C 6/05/07	MWB Equipment Blank 6/04/07	MWB Equipment Blank 6/05/07
Antimony	6010B	mg/L	0.003	0.010	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	6010B	mg/L	0.002	0.010	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Barium	6010B	mg/L	0.001	0.010	Within Limits	Within Limits	0.208	0.236	0.235	0.195	0.163	0.218	ND	ND
Beryllium	6010B	mg/L	0.0005	0.0050	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	6010B	mg/L	0.0005	0.0050	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	6010B	mg/L	0.005	0.010	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Hexavalent chromium	7199	µg/L	0.144	1.0	Within Limits	Within Limits	0.24J	ND	ND	ND	1.14	1.27	0.18J	ND
Cobalt	6010B	mg/L	0.001	0.010	Within Limits	Within Limits	ND	0.002J	0.002J	ND	ND	ND	ND	ND
Copper	6010B	mg/L	0.005	0.010	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Lead	6010B	mg/L	0.002	0.005	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	7470A	mg/L	0.001	0.002	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	6010B	mg/L	0.001	0.010	Within Limits	Within Limits	0.003J	0.004J	0.005J	0.002J	0.004J	0.003J	ND	ND
Nickel	6010B	mg/L	0.001	0.010	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	6010B	mg/L	0.004	0.010	Within Limits	Within Limits	0.025	0.02	0.029	0.022	0.024	0.023	ND	ND
Silver	6010B	mg/L	0.008	0.010	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	6010B	mg/L	0.004	0.010	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	6010B	mg/L	0.003	0.010	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	6010B	mg/L	0.001	0.010	Within Limits	Within Limits	0.183	0.031	0.03	0.072	0.236	0.846	0.004J	ND

Table 4

STRATHERN LANDFILL
GROUND WATER DATABASE

Source: Second 2006 Semi-Annual Groundwater Monitoring Report (July-December), Strathern Landfill, URS Corporation, January 26, 2007

PROJECT NO. 38001035.10001

		WATER LEVEL		FIELD MEASUREMENTS						GENERAL MINERALS									GENERAL MINERALS (cont.)										METALS					
POINT	DATE	REF PT.	W S E	fpH	T(f)	fEC	CO2	fAlk	LAlk	EC	LpH	Ca	Mg	Na	K	CO3	HCO3	SO4	Cl	NO3	B	HARD	TDS	COD	TCE	PCE	BENZENE	VC	Cd	Cr	Fe	Pb	Ni	LAB
	UNITS	FT. ASL		pH	°C	µmhos/cm	ppm	ppm	mg/L	µmhos/cm	pH	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	SOURCE
	MCLs			6 - 9	<100	900	--	--		900	6 - 9	--	--	--	--	--	--	250	250	10	0.5	--	500	---	5	5	1	0.5	5	50	0.3	50	100	
4928A	03-May-84	803.78									7.20	120	28	48	6.0	0.0	363	75	65	15.0			650			1			1.0		0.70	#REF!	0.050	B&C
4928A	31-Dec-84	803.78								560	7.70	73	16	26	4.2	0.0	280	58	7	12.0			351		44	5.3					0.22			B&C
4928A	19-Jun-85	803.78	549.22	7.1	69	1100	89.0	506		1300	7.00	130	36	90	9.0	0.0	490	46	87	16.0			750	<0.05	<1	1					<0.09			B&C
4928A	17-Jul-85	803.78	547.95	6.8	68	1180	102.0	480		1300	6.90	120	34	93	8.6	0.0	620	59	98	8.9			730	0.06	<1	1					0.06			B&C
4928A	14-Aug-85	803.78	546.41	6.8	74	1250	22.5			1400	7.60	230	33	79	11.0	0.0	610	44	110	<0.44	0.8		790	<0.05							<0.046			B&C
4928A	19-Sep-85	803.78	543.93	6.3	68	1250	40.5	555		1500	6.80	250	35	78	6.0	0.0	670	55	81	25.0			830	<0.05	37	2					<0.042			B&C
4928A	16-Jan-86	803.78	538.51	7.0	66	1400		180		1400	7.00	160	40	91	8.6	0.0	620	26	150	5.4			880	<0.05	<1	1					<0.063			B&C
4928A	29-Apr-86	803.78	539.84	6.6	68	900	68.0	350		1100	7.80	170	27	63	7.6	0.0	488	27	75	<4			580		<1	<1					<0.2			B&C
4928A	22-Jul-86	803.78	541.67	7.3	69	1200	66.0	460		1300	7.10	170	36	80	8.0	0.0	390	37	260	8.6			780	0.11	<1	2					<0.2			B&C
4928A	15-Oct-86	803.78	539.90	5.9	67	1200	26.0	470		1400	7.40	160	41	84	3.8	0.0	490	55	130	12.0	0.6		810	<0.05	<1	3			<10		<0.1	<20		B&C
4928A	14-Jan-87	803.78	538.50	6.9	66	340	75.0	460		1400	7.00	160	38	82	7.6	0.0	590	54	120	12.0	0.8		820	<0.05	<1	<1			<10		<0.03	<20	<0.06	B&C
4928A	15-Apr-87	803.78	536.86	5.8	69	1100	42.5	490		1500	6.80	170	44	85	6.6	<0.6	650	62	130	16.4	0.8		910	<0.05	<1	<1			<10		<0.02	<10	<0.04	B&C
4928A	24-Jul-87	803.78	532.61	7.2	70	1200	35.0	515		1400	7.00	170	47	110	8.4	<0.6	630	58	140	13.0			840	<0.05	<1	2			<20		<0.02	<20	<0.04	B&C
4928A	21-Oct-87	803.78	526.40	6.9	66	760	34.5	436		1300	7.70	140	34	82	8.5	<0.6	590	56	83	19.0	0.63		760	<0.05	<1	2			<20		0.12	<10	<0.04	B&C
4928A	29-Apr-88	803.78	518.58	8.0	66	950	32.0	203		1000	7.30	110	63	63	6.4	<0.6	480	61	50	23.0	0.3		600	11.0	<1	<1			<20		0.32	4	<0.004	B&C
4928A	28-Jul-88	803.78	518.82	7.4	67	450	37.0	385		900	7.40	99	24	51	5.6	<0.6	442	51	36	19.0	0.34		550	10.0	<1	1			<1		<0.02	<2	<0.04	B&C
4928A	08-Nov-88	803.78	511.81	7.2	65	700	32.0	350		760	7.20	91	26	49	5.6	<0.6	370	56	23	12.0	0.22		450	<3	<1	<1			<1		<0.02	<2	<0.04	B&C
4928A	07-Feb-89	803.78	507.20	7.0	66	700	35.0	360		720	7.20	92	21	35	4.5	<0.6	350	51	21	16.0	0.05		440	<5	<1	2			<1		0.92	7	<0.04	B&C
4928A	02-Apr-93	803.78	489.42	7.9	67	350	37	264		590	7.60	72	17	29	4.6	<0.6	320	35	18	8			330	<6	<0.5	1.6			<1		0.20	5	<0.04	B&C
4928A	22-Jun-93	803.78	500.59	7.8	66	440	25	252		610	7.50	72	18	29	4.5	<0.6	290	48	18	8.3			370	7.7	<1	1.4			<1		0.12	3	<0.04	B&C
4928A	24-Aug-93	803.78	509.08	NA	67	550	25	244		610	7.10	73	18	30	4.6	<0.6	290	48	17	8.2			340	<6	<1	1.3			<1		0.17	4	<0.04	B&C
4928A	19-Nov-93	803.78	515.15	7.40	66	500	22	248		600	7.40	69	17	29	4.5	<0.6	290	47	19	7.7			350	<6	<0.5	0.9			<1		0.13	3	<0.04	B&C
4928A	21-Feb-94	803.78	519.78	7.20	66	650	50	348		830	7.10	100	24	45	5.9	<0.6	430	52	34	1.4	0.3		530		<0.5	<0.5			<1		0.76	4	<0.04	B&C
4928A	05-Aug-94	803.78	526.64	7.00	66	700	55	356		820	7.00	91	23	39	5.4	<1	330	46	46	21	0.26		490		<0.5	1.6			<3		0.42	5	<0.005	B&C
4928A	20-Feb-95	803.78	510.49							830	6.90	97	25	36	5.3	<0.6	390	67	34	34	<0.05		530	21	<0.5	1.9			<5	<10	7.80	99	<0.04	B&C
4928A	24-Aug-95	803.78	524.22	7.00	68	650	100	386		900	6.90	100	25	43	5.4	<10	330	67	35	42	0.29		560	<6	<0.2	2.5			<5	<10	0.35	10	0.073	B&C
4928A	23-Feb-96	803.78	524.74	7.00	65	1015	75	400		1100	6.80	120	53	48	5.9	<10	380	75	53	57	0.32		660	<6	0.54	5.2			<1	<10	2.80	27	<0.04	B&C
4928A	23-Aug-96	803.78	523.41																																
4928A	11-Sep-96	803.78	NM																																
4928A	31-Oct-96	803.78	516.47	7.40	65.4	995	130	348		960	7.10	120	30	47	6.4	<10	360	73	45	55	0.26		630	<6	0.56	6.3			<10	<10	0.15	<50	<0.04	BCA
4928A	14-Feb-97	803.78	511.81	7.20	65.2	830	50	420		850	6.90	100	27	37	5.6	0	390	59	30	37	0.21		500	9.4	1.0	9.4			<5	<10	<0.04	<50	<0.04	VOC
4928A	26-Aug-97	803.78	504.90	7.00	66.9	825	34	372		890	6.60	110	27	41	5.5	0	400	69	38	50	0.25		590	<6	0.69	7.8			<5	<10	0.13	<50	<0.04	VOC
4928A	12-Mar-98	803.78	492.23	7.30	68.3	881	36	320		890	7.25	101	26.5	34.3	6.4	<2.0	320	84	50	7.4	0.6		593	<10	0.6	7.0			<5	<10	0.15	<50	<0.04	AETL
4928A	21-Sep-98	803.78	507.01	7.17	65.9	785	25			816	7.04	96.6	24.6	31.2	5.0	<2	358	64	29	22.1	0.4		528	<6	1.5	15.1			<5	<10	0.95	<50	<0.04	AETL
4928A	30-Mar-99	803.78	507.59	7.60	70.2	829		378		870	7.34	96.3	25.2	32.8	4.9	<2.0	324	68	33	38	0.3		565	<6	1.2	7.2			<5	<10	0.18	<50	<0.04	AETL
4928A	25-Aug-99	803.78	493.23	7.46	66.9	902	37	372		854	7.00	100	27	35.7	4.5	<2.0	332	64	32	20	0.3		546	<6	1.0	12.1			<5	<10	<0.05	<50	<0.04	AETL
4928A	10-Mar-00	803.78	476.16	7.25	64.0	528	35	340		800	7.13	102	25.6	30.1	7.0	<1	296	62	36	11.7	0.2		509	22	1.1	6.3			<5	<10	0.08	<50	<0.01	AETL
4928A	09-Oct-00	803.78	481.63	6.76	67.1	800	30	372		790	6.81	93.9	24.2	32.6	5.5	<1	286	55	30	35.0	0.2		501	<5	0.9	3.8			<5	20	<0.03	<50	<0.01	AETL
4928A	29-Mar-01	803.78	484.40	7.44	65.1	733	28	376		733	7.34	87.1	22.1	32.1	5.3	<1	290	57	21	8.0	<0.1	322	437	<5	0.8	4.5	<0.25	<0.25	<10	<10	0.06	<50	<0.01	AETL
4928A	25-Sep-01	803.78	485.40	8.10	68.2	511	32	156		817	7.31	89.6	23.2	31.2	5.3	<1	288	62.4	35	31.4	0.4	356	501	<5	0.9	6.9	<0.25	<0.25	<10	10'	0.23	<50	<0.01	AETL
4928A	05-Jun-02	803.78	485.26	7.65	65.5	766	26	363		761	7.20	88.6	24.1	34.5	15.8	<1	282	73	27	29.2	0.3	332	512	8'	0.8	5.7	<0.25	<0.25	<1	<10	0.09	<8	<50	AETL
4928A	27-Nov-02	803.78	474.58	6.90	65.3	722	32	336		824	7.13	99.4	26.1	35.3	5.5	<1	280	75	33	53.1	0.4	348	476	5.4'	0.6	6.3	<0.25	<0.25	<1	<10	<0.03	<8	<50	AETL
4928A	30-May-03	803.78	473.67	7.31	67.1	664	33	348		720	7.26	81.4	21.1	29.5	4.59	<1	284	56.8	20.0	11.3	0.270	318	432	<5	0.7	7.0	<0.25	<0.25	<10	0.014'	0.215	<50	<10	AETL
4928A	10-Dec-03	803.78	449.97	7.40	66.8	1300	35	530		1120	7.08	147	35.7	38.7	5.37	<1	464	60.4	63	27.9	0.512	575	685	13.7	0.4'	4.5	<0.25	<0.25	<5	12'	<0.02	<15	<10	AETL
4928A	08-Jan-04	803.78	477.78																																
4928A	08-Jun-04	803.78	450.35	7.31	68.0	1070	43	380		1120	6.99	135	33.0	37.6	5.74	<1	456	68.4	51.0	19.4	0.520	528	705	<5	0.7	5.1	<0.25	<0.25	<5	15'	<0.02	<15	<10	AETL
4928A	17-Dec-04	803.78	450.58																																
4928A	09-Jun-05	803.78	488.20	7.34	67.8	721	36	300		676	7.04	79.3	20.3	30.4	4.84	<1	248	74.0	23.9	2.25	0.174	288	408	<5	0.7	4.58	<0.25	<0.25	<5	<10	0.089	<15	<10	AETL
4928A	15-Dec-05	803.78	499.68	6.63	63.9	598	46	300		698	6.53	116.0	28.6	35.9	5.77	<1	330	74.8	37.9	4.60	0.195	424	616	<5	0.8	5.00	<0.25	<0.25	<5	<10	0.031	<15	<10	AETL
4928A	20-Jun-06	803.78	502.21	7.00	69.4	1120		300		1080	7.13	158	41.5	43.9	7.25	<1	296	150	51.4	25.9	0.266	540	767	<5	<0.25	4.60	<0.5	<0.25	<5	<10	0.012J	<15	<10	AETL
4928A	08-Aug-06	803.78	503.39	7.00	67.0	1150	48	300		1230	6.90	143	37.6	40.3	6.31	<1	282	157	58.9	25.2	0.274	540	790	<5	<0.25	1.12	<0.5	<0.25	<5	<10	0.01J	<15	<10	AETL
4928A	20-Dec-06	803.78	500.27	6.93	66.1	1000			320	1080	7.40	126	32.6	39.1	7.60	<2	<2	88	60.0	13.7	0.292	472	716	<10	<0.50	2.55	<0.50	<0.50	<50	<50	0.016J	<100	<50	AETL

Table 4

STRATHERN LANDFILL
GROUND WATER DATABASE

Source: Second 2006 Semi-Annual Groundwater Monitoring Report (July-December), Strathern Landfill, URS Corporation, January 26, 2007

PROJECT NO. 38001035.10001

		WATER LEVEL		FIELD MEASUREMENTS						GENERAL MINERALS																		METALS				
POINT	DATE	REF PT.	W S E	fpH	T(f)	fEC	CO2	fAlk	LAlk	EC	LpH	Ca	Mg	Na	K	CO3	HCO3	SO4	Cl	NO3	B	HARD	TDS	COD	TCE	PCE	BENZENE	VC	Cd	Cr	Fe	Pb	Ni	LAB
	UNITS	FT. ASL		pH	°C	µmhos/cm	ppm	ppm	mg/L	µmhos/cm	pH	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	SOURCE
	MCLs			6 - 9	<100	900	--	--		900	6 - 9	--	--	--	--	--	--	250	250	10	0.5	--	500	--	5	5	1	0.5	5	50	0.3	50	100	
4928B	23-Oct-84	823.09								1000	7.10	110	20	100	5.4	0.0	470	60	40	19.0			620			4					<0.08			B&C
4928B	19-Jun-85	823.09	552.73	8.4	70	900	66.0	392		870	7.10	82	24	92	6.3	0.0	450	53	38	39.0			560	<0.05	<1	<1					<0.09			B&C
4928B	17-Jul-85	823.09	551.71	6.8	74	800	60.0	310		900	6.90	82	24	84	6.2	0.0	450	68	40	20.0			520	0.06	<1	<1					<0.06			B&C
4928B	14-Aug-85	823.09	550.29	7.2	72	850	13.0			860	7.80	120	20	65	7.2	0.0	390	56	37	12.0	0.4		530	<0.05							<0.046			B&C
4928B	19-Sep-85	823.09	547.87	6.5	70	740	30.5	350		820	6.90	130	23	49	3.3	0.0	380	61	33	36.0			510	<0.05	<1	3					<0.042			B&C
4928B	16-Jan-86	823.09	541.82	7.2	68	750		321		750	7.20	107	22	36	4.4	0.0	340	28	25	26.0			460	<0.05	<1	<1					<0.063			B&C
4928B	29-Apr-86	823.09	542.86	6.7	71	520	18.0	255		600	8.00	120	17	30	5.2	0.0	341	30	20	7.0			320		<1	1					<0.2			B&C
4928B	22-Jul-86	823.09	545.14	7.3	70	620	30.0	270		700	7.40	110	20	37	4.4	0.0	290	29	22	6.9			420	0.12	<1	3					<0.2			B&C
4928B	15-Oct-86	823.09	543.10	6.0	68	690	33.5	255		680	7.60	87	10	29	4.2	0.0	280	60	35	15.0	0.3		440	<0.05	<1	<1			<10		0.29	<20		B&C
4928B	14-Jan-87	823.09	541.32	6.7	66	500	16.5	240		700	7.30	88	21	35	4.2	0.0	340	51	18	5.3	0.5		420	0.10	<1	2			<10		<0.03	<20	<0.06	B&C
4928B	15-Apr-87	823.09	539.63	6.2	65	450	25.0	250		680	7.00	80	22	33	4.0	<0.6	340	54	18	6.6	0.4		410	0.08	<1	2			<10		0.88	<10	<0.04	B&C
4928B	24-Jul-87	823.09	535.48	6.8	70	550	8.0	290		720	7.40	87	25	36	4.3	<0.6	350	50	24	6.8			430	<0.05	<1	4			<20		<0.02	<20	<0.04	B&C
4928B	21-Oct-87	823.09	529.40	6.9	66	465	65.0	291		740	7.90	90	22	35	5.0	<0.6	370	50	21	6.4	0.25		430	<0.05	<1	<1			<20		0.20	<10	<0.04	B&C
4928B	29-Apr-88	823.09	523.37	8.6	66	455	25.0	260		710	7.80	82	31	31	4.2	<0.6	356	52	20	2.9	0.18		400	7.0	<1	3			<20		5.70	13	<0.004	B&C
4928B	28-Jul-88	823.09	521.77	7.4	68	335	25.0	336		680	7.50	85	20	30	3.9	<0.6	350	48	18	2.4	0.19		410	6.0	<1	4			<1		<0.02	<2	<0.04	B&C
4928B	08-Nov-88	823.09	515.47	7.3	66	680	20.0	400		740	7.20	83	25	51	4.7	<0.6	380	53	18	3.2	0.16		430	<3	<1	4			<1		0.04	<2	<0.04	B&C
4928B	07-Feb-89	823.09	511.00	6.6	66	670	23.0	372		680	7.30	85	24	36	4.6	<0.6	350	56	17	3.9	<0.02		400	<5	1	5			<1		2.20	3	<0.04	B&C
4928B	02-Apr-93	823.09	498.82	7.7	82.0	240	7	196		410	8.10	26	19	34	4.7	<0.6	230	24	19	<0.2			190	<6	0.90	<0.5			5		0.82	49	<0.04	B&C
4928B	22-Jun-93	823.09	502.46	7.6	69.0	500	45	300		690	7.00	70	26	39	6.2	<0.6	370	46	22	0.78			410	7.2	<1	1.7			1		14	24	<0.04	B&C
4928B	24-Aug-93	823.09	511.79		68.0	600	50	286		680	6.50	82	22	32	5.0	<0.6	370	46	17	3.4			390	<6	<1	2.0			<1		17	18	<0.04	B&C
4928B	19-Nov-93	823.09	517.50	7.6	67.0	550	33	320		690	7.10	93	25	37	5.5	<0.6	370	120	20	2.7			400	<6	<0.5	1.4			<1		82	3	<0.04	B&C
4928B	21-Feb-94	823.09	522.09	7.3	69.0	525	65	332		730	7.10	100	27	38	6.0	<0.6	430	46	22	<0.2	0.25		440		<0.5	<0.5			<1		87	13	<0.04	B&C
4928B	05-Aug-94	823.09	528.93	7.0	68.0	950		528		1000	6.80	130	35	39	6.0	<1	500	48	35	0.31	0.27		600		1.1	2.7			<3		7.9	17	<0.005	B&C
4928B	20-Feb-95	823.09	511.51	7.4	74.0	1000		NA		970	7.10	120	34	39	5.5	<0.6	550	32	38	<0.1	<0.05		580	6.9	2.7	<0.5			<5	<10	2.4	16	<0.04	B&C
4928B	24-Aug-95	823.09	527.45	7.0	72.0	800	137	524		1100	7.00	130	36	42	5.9	<10	550	45	26	30	<0.2		610	<6	1.3	4.8			<5	<10	18	14	<0.04	B&C
4928B	23-Feb-96	823.09	526.60	7.2	75.0	820	35	546		1400	6.80	190	54	52	6.5	<10	690	78	77	5.7	0.53		880	32.0	1.3	2.6			<1	<10	24	7.6	<0.04	B&C
4928B	23-Aug-96	823.09	525.61																															
4928B	11-Sep-96	823.09	NM	7.0	71.0	1000		595		1100	6.90	160	43	46	6.1	<0.6	630	50	44	27	0.31		760		1.4	5.6			<10	<10	<0.4	<50	<0.04	BCA
4928B	14-Feb-97	823.09	512.95	7.6	69.0	930	79	540		910	7.00	110	31	36	5.6	0	500	51	29	8.6	<0.2		560	15	1.1	4.2			<5	<10	0.063	<50	<0.04	VOC
4928B	26-Aug-97	823.09	505.13	7.1	71.5	1120	88	560		1000	6.60	150	41	45	6.4	0	600	48	38	6	0.21		660	34	0.78	2.5			<5	<10	0.27	<50	<0.04	VOC
4928B	12-Mar-98	823.09	492.50	7.0	73.6	1152		502		1110	7.00	97	35	81	9	<2.0	502	40	56	<0.1	0.5		802	<10	0.5	1.9			<5	<10	51.5	140	<0.04	AETL
4928B	21-Sep-98	823.09	509.2	7.3	69.6	835				1020	7.09	72	22	101	7.2	<2.0	438	57	39	6.2	0.3		618	<6	<0.5	1.6			<5	<10	44.5	<50	<0.04	AETL
4928B	30-Mar-99	823.09	509.34	6.9	72.6	1381		532		1310	7.13	154	<0.05	43.8	6.2	<2.0	600	53	55	1.3	0.3		789	<6.0	0.6	1.8			<5	<10	34.4	<50	<0.04	AETL
4928B	25-Aug-99	823.09	494.85	7.1	78.0	1240		628		1180	6.86	116	34	46	4.8	<2.0	548	67	40	6.6	0.3		754	<6.0	<0.5	1.9			<5	<10	0.33	<50	<0.04	AETL
4928B	10-Mar-00	823.09	DRY																															
4928B	09-Oct-00	823.09	DRY																															
4928B	29-Mar-01	823.09	DRY																															
4928B	25-Sep-01	823.09	DRY																															
4928B	05-Jun-02	823.09	DRY																															
4928B	27-Nov-02	823.09	DRY																															
4928B	30-May-03	823.09	DRY																															
4928B	10-Dec-03	823.09	DRY																															
4928B	08-Jun-04	823.09	DRY																															
4928B	17-Dec-04	823.09	DRY																															
4928B	09-Jun-05	823.09	DRY																															
4928B	15-Dec-05	823.09	DRY																															
4928B	08-Aug-06	823.09	DRY																															
4928B	20-Dec-06	823.09	DRY																															

Table 4

STRATHERN LANDFILL
GROUND WATER DATABASE

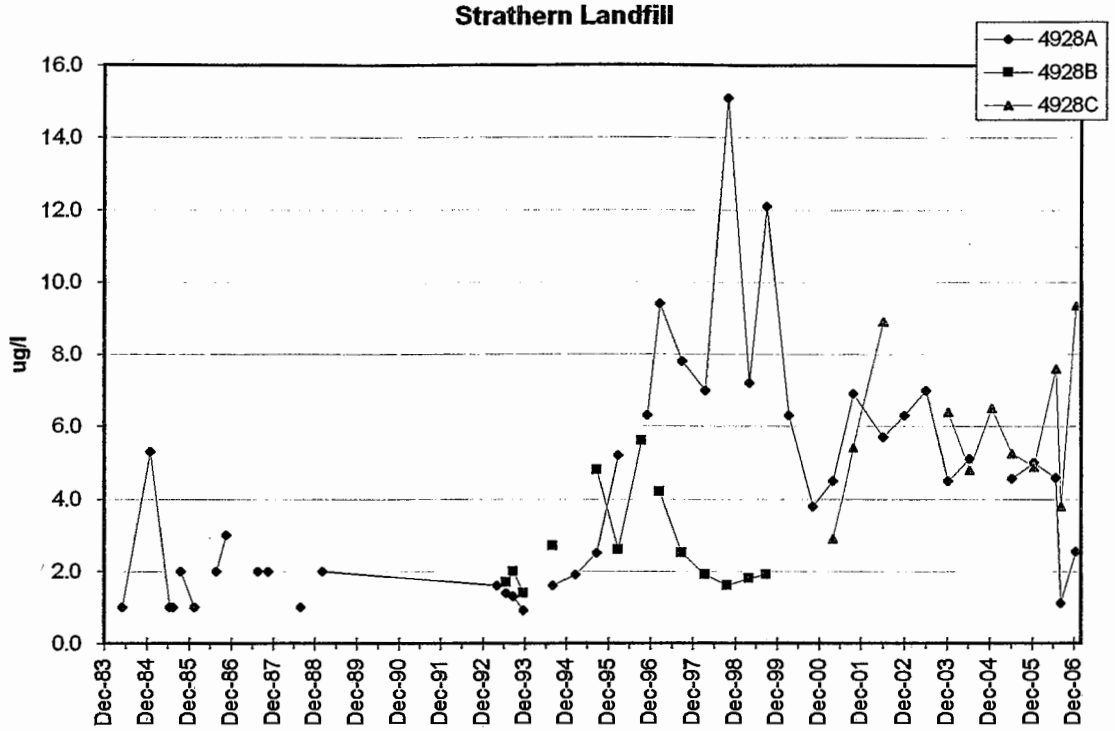
Source: Second 2006 Semi-Annual Groundwater Monitoring Report (July-December), Strathern Landfill, URS Corporation, January 26, 2007

PROJECT NO. 38001035.10001

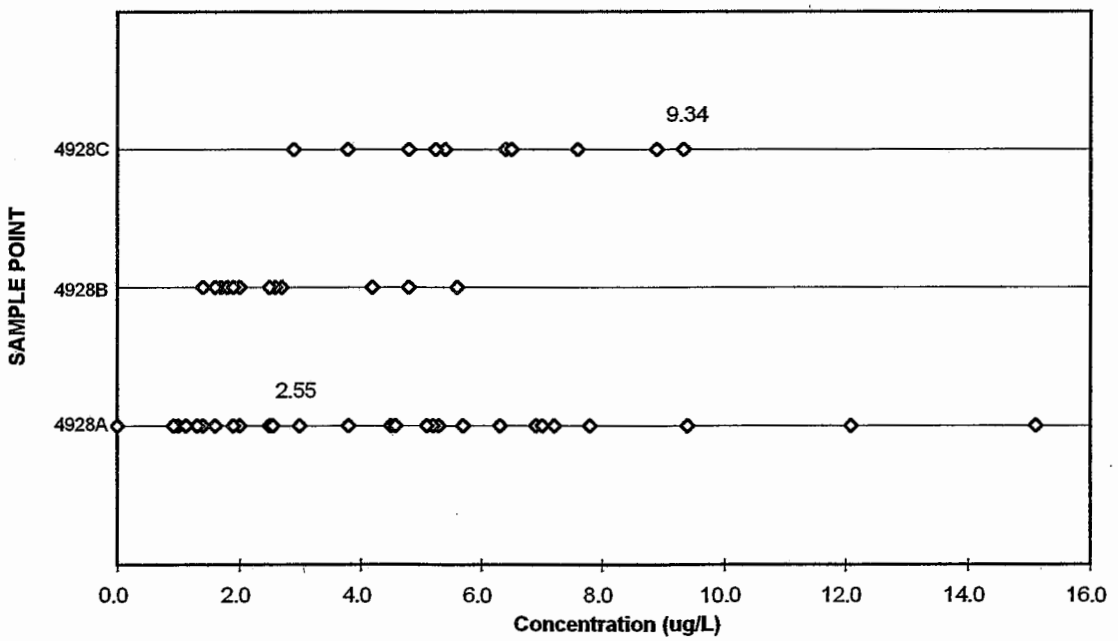
POINT	DATE	WATER LEVEL		FIELD MEASUREMENTS					GENERAL MINERALS									GENERAL MINERALS (cont.)																METALS					LAB SOURCE
		REF PT.	W S E	fpH	T(f)	fEC	CO2	fAlk	LAlk	EC	LpH	Ca	Mg	Na	K	CO3	HCO3	SO4	Cl	NO3	B	HARD	TDS	COD	TCE	PCE	BENZENE	VC	Cd	Cr	Fe	Pb	Ni	
	UNITS	FT. ASL		pH	°C	µmhos/cm	ppm	ppm	mg/L	µmhos/cm	pH	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	
	MCLs			6 - 9	<100	900	--	--		900	6 - 9	--	--	--	--	--	--	250	250	10	0.5	--	500	--	5	5	1	0.5	5	50	0.3	50	100	
4928C	20-Feb-95	823.37	512.30																																		
4928C	24-Aug-95	823.37	526.72																																		
4928C	23-Feb-96	823.37	528.98																																		
4928C	23-Aug-96	823.37	526.79																																		
4928C	14-Feb-97	823.37	514.27																																		
4928C	26-Aug-97	823.37	507.48																																		
4928C	12-Mar-98	823.37	493.57																																		
4928C	21-Sep-98	823.37	510.16																																		
4928C	30-Mar-99	823.37	510.22																																		
4928C	25-Aug-99	823.37	494.57																																		
4928C	10-Mar-00	823.37	476.92																																		
4928C	09-Oct-00	823.37	483.18																																		
4928C	29-Mar-01	823.37	486.11	6.68	76.8	954	45	472		897	7.31	114	27.7	35.7	5.9	<1	372	54	33	24	<0.1	416	561	<5.0	<0.25	2.9	<0.25	<0.25	<5	<10	2.44	<50	<0.01	AETL
4928C	25-Sep-01	823.37	486.62	7.50	70.7	1550	65	920		1560	7.32	190	46.6	43.6	7.1	<1	612	44.6	112	24.8	0.4	720	925	<5.0	0.4J	5.4	<0.25	<0.25	<10	20J	0.4	<50	<0.01	AETL
4928C	19-Jun-02	823.37	487.13	7.30	77.5	1699	115	824		1580	7.00	151	39.8	98.3	8.41	<1	670	39	25	19.5	0.9	800	1010	13	0.4J	8.9	<0.25	<0.25	<1	<10	<0.03	<8	<50	AETL
4928C	27-Nov-02	823.37	475.52																																		
4928C	30-May-03	823.37	475.27																																		
4928C	10-Dec-03	823.37	487.65	7.45	67.5	680	30	340		756	7.24	88.6	22.3	31.4	4.47	<1	290	62.8	31	21.7	0.285	332	456	12.4	0.8	6.4	<0.25	<0.25	<5	<10	<0.02	<15	<10	AETL
4928C	08-Jan-04	823.37	479.70																																		
4928C	08-Jun-04	823.37	487.78	7.47	67.1	598	40	280		702	7.14	79.3	20.2	26.8	4.74	<1	272	62.4	24.0	6.82	0.283	302	420	7.78J	0.8	4.8	<0.25	<0.25	<5	14J	0.043J	<15	<10	AETL
4928C	24-Jun-04	823.37	487.78																																		
4928C	17-Dec-04	823.37	486.57	7.14	66.9	1487	40	380		1,440	6.96	173	42.6	41.9	6.62	<1	600	28.1	48.7	2.85	0.438	680	900	<5.0	<0.25	6.5	<0.25	<0.25	<5	<10	<0.02	<50	<10	AETL
4928C	09-Jun-05	823.37	493.62	7.22	75.5	1160	66	250		1,065	6.95	134	32.7	40.1	6.19	<1	388	75.9	56.2	5.5	0.240	474	656	<5.0	0.67	5.25	<0.25	<0.25	<5	<10	<0.02	<15	<10	AETL
4928C	15-Dec-05	823.37	504.87	6.44	65.1	842	60	300		950	6.83	76.3	19.6	27.7	5.34	<1	220	74.2	24.4	3.65	0.195	294	452	<5	0.7	4.90	<0.25	<0.25	<5	<10	0.023	<15	<10	AETL
4928C	20-Jun-06	823.37	506.00	6.87	72.1	1050		300		1090	6.88	149	37.0	42.5	7.23	<1	488	64.4	47.6	3.4	0.255	508	710	<5	0.7	7.6	<0.5	<0.25	<5	<10	0.020	<15	<10	AETL
4928C	09-Aug-06	823.37	507.42	6.75	68.4	1330	72	300		1430	6.70	172	43.0	42.1	7.15	<1	544	50.7	79.2	4.3	0.354	680	940	<5	<0.25	3.79	<0.5	<0.25	<5	<10	0.037	<15	<10	AETL
4928C	20-Dec-06	823.37	512.67	6.85	66.7	1270			600	1470	7.23	181	43.8	44.7	8.47	<2	<2	45.6	61.1	5.15	0.394	680	970	<10	<0.50	9.34	<0.50	<0.50	<50	<50	<20	<100	<50	AETL

J = Analyte detected above the method detection limit (MDL) but below the practical quantitation limit (PQL)

PCE History
Strathern Landfill



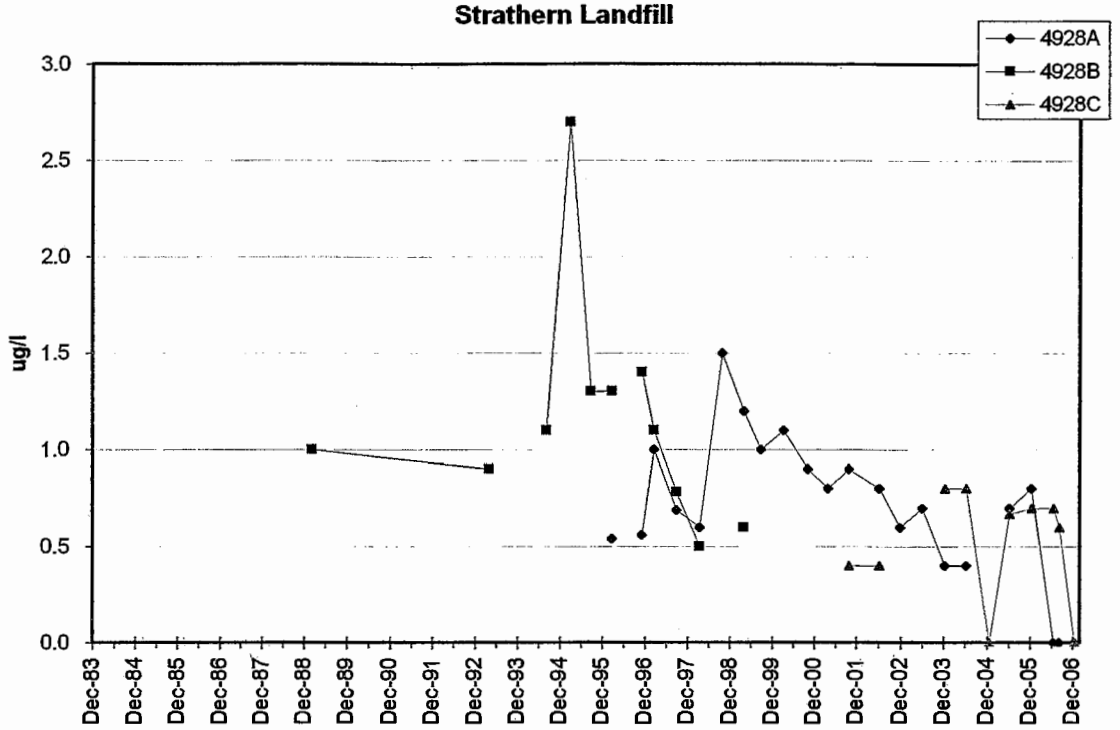
PCE
Statistical Distribution



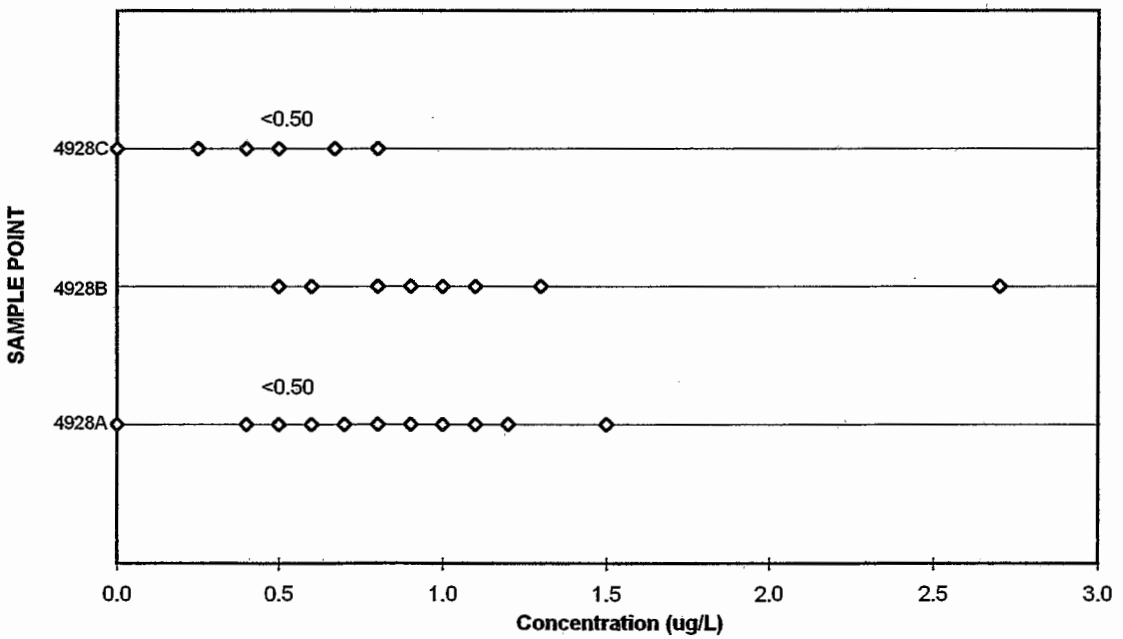
Data labels are for December 2006 sampling event.

URS

TCE History
Strathern Landfill



TCE
Statistical Distribution



Data labels are for December 2006 sampling event.

URS

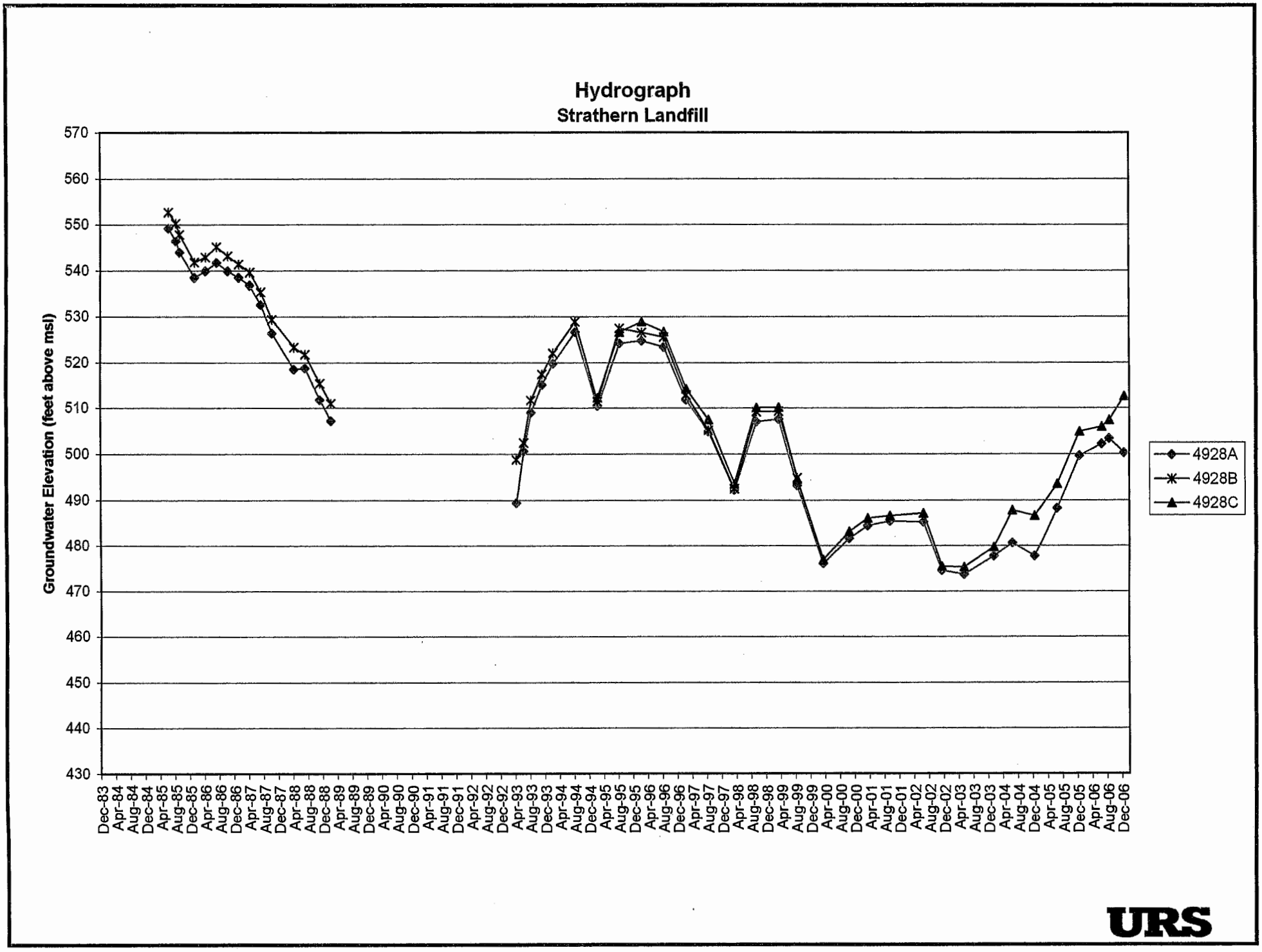

Hydrograph
Strathern Landfill
Groundwater Elevation (feet above msl)
570
560
550
540
530
520
510
500
490
480
470
460
450
440
430
Dec-83
Apr-84
Aug-84
Dec-84
Apr-85
Aug-85
Dec-85
Apr-86
Aug-86
Dec-86
Apr-87
Aug-87
Dec-87
Apr-88
Aug-88
Dec-88
Apr-89
Aug-89
Dec-89
Apr-90
Aug-90
Dec-90
Apr-91
Aug-91
Dec-91
Apr-92
Aug-92
Dec-92
Apr-93
Aug-93
Dec-93
Apr-94
Aug-94
Dec-94
Apr-95
Aug-95
Dec-95
Apr-96
Aug-96
Dec-96
Apr-97
Aug-97
Dec-97
Apr-98
Aug-98
Dec-98
Apr-99
Aug-99
Dec-99
Apr-00
Aug-00
Dec-00
Apr-01
Aug-01
Dec-01
Apr-02
Aug-02
Dec-02
Apr-03
Aug-03
Dec-03
Apr-04
Aug-04
Dec-04
Apr-05
Aug-05
Dec-05
Apr-06
Aug-06
Dec-06
4928A
4928B
4928C
URS

Figure 3

TABLE 5: Emergent Chemicals
Second Quarter (June) 2007

	Detection Limit		MW4918 (ng/L)	MW4918B (µg/L)	MWDup[1] (µg/L)	MW4927 (µg/L)	MW4928A (µg/L)	MW4928C (µg/L)
	MDL	PQL						
NDMA	0.23	2.0	0.84 J	0.54 J	1.3 J	ND	0.59 J	0.42 J
1,2,3-TCP	0.0015	0.005	ND	ND	0.0016 J	ND	ND	ND
1,4-Dioxane	1.0	2.0	ND	17.7	15.8	ND	ND	ND
Perchlorate[2]	0.30	2.0	ND	ND	ND	0.41J	0.93 J	18
MTBE	0.24	2.0	ND	ND	ND	ND	ND	ND
Hexavalent Chromium[3]	0.144	1.0	0.24 J	ND	ND	ND	1.14	1.27

1. "MW-Dup" is a duplicate sample of MW4918B.
2. Equipment blank sample "MWB" for June 5, 2007 contained 0.84 J µg/L perchlorate.
3. Equipment blank sample "MWB" for June 4, 2007 contained 0.18 J µg/L hexavalent chromium.

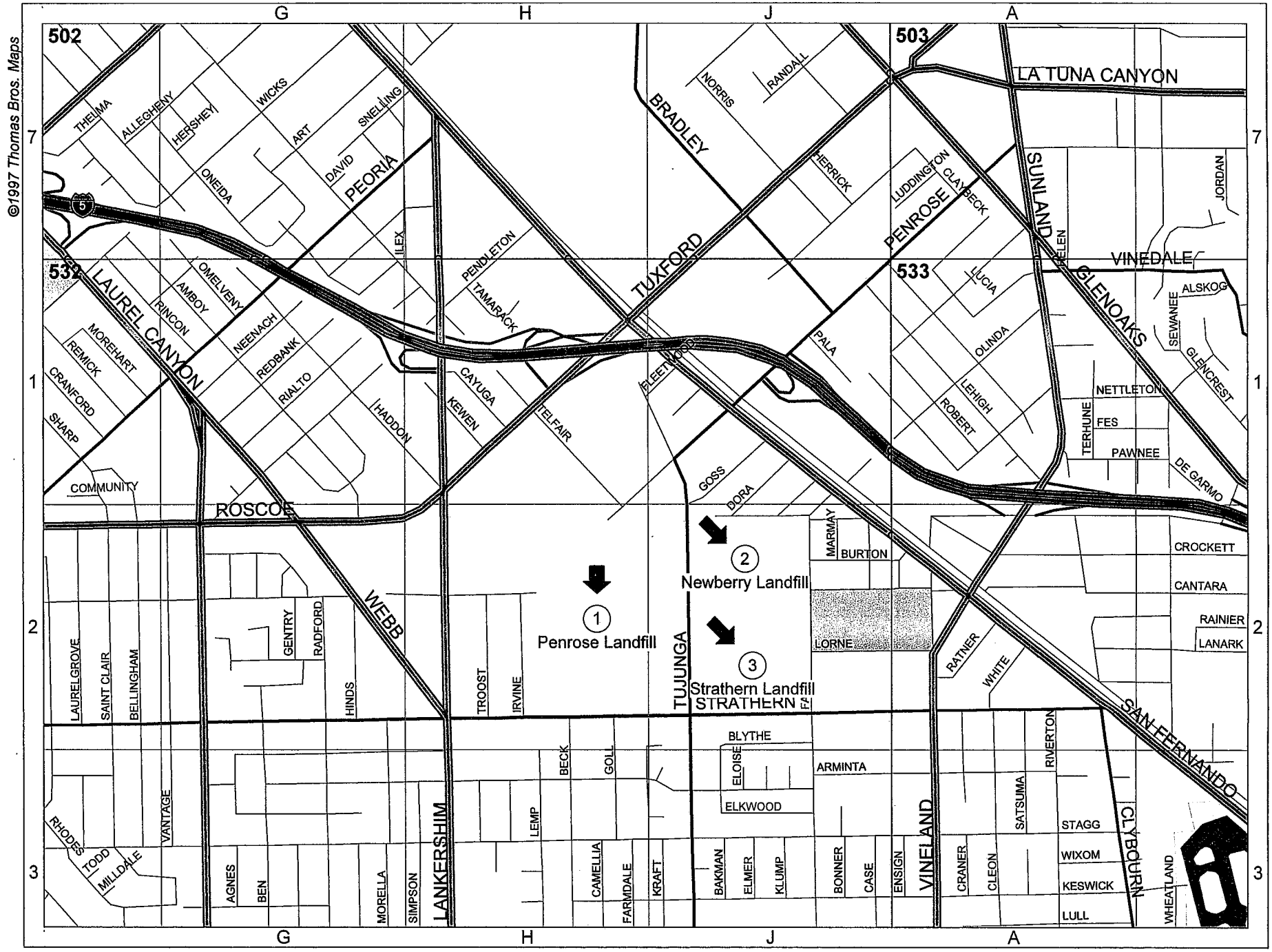
ng/L = nanograms per liter or parts per trillion µg/L = micrograms per liter or parts per billion
"J" = semi-quantitative results ND = None Detected at the Method Detection Limit ("MDL")

TABLE 6: Historic Data for Emergent Chemicals
December 2006 to June 2007
Penrose, Newberry and Strathern Landfills

Well & Date Sampled	NDMA (ng/L)	1,2,3-TCP (ug/L)	1,4-Dioxane (ug/L)	Perchlorate (ug/L)	Chrome IV (ug/L)
MDL-PQL	0.23-2.0	0.0015-0.005	1.0 - 2.0	0.30 - 2.0	0.144 - 1.0
MW-4918					
1/25/2007	ND	ND	<2.0 [1]	2.2	ND
3/21/2007	ND	ND	1.53 J	ND	0.15 J
6/4/2007	0.84 J	ND	ND	ND	0.24 J [2]
MW-4918B					
1/25/2007	0.94 J	ND	<2.0 [1]	7.8	ND
3/21/2007	ND	0.0017J	5.18	ND	ND
6/4/2007	0.54 J	ND	17.7	ND	ND
MW-4927					
1/25/2007	ND	ND	<2.0 [1]	ND	ND
3/21/2007	0.78 J	ND	ND	ND	0.25 J
6/4/2007	ND	ND	ND	0.41 J	ND
MW-4928A					
12/20/2006	ND	ND	<2.0 [1]	ND	0.68 J
3/22/2007	0.65 J	ND	ND	ND	1.20
6/5/2007	0.59 J	ND	ND	0.93 J [3]	1.14
MW-4928C					
12/20/2006	ND	ND	<2.0 [1]	ND	0.51 J
3/22/2007	ND	ND	ND	1.4 J	1.07
6/5/2007	0.42 J	ND	ND	18	1.27

1. MDL = 2.0 µg/L for Dec. 2006 and Jan. 2007 sampling events.
2. The June 4, 2007 equipment blank "MWB" contained 0.18 J µg/L hexavalent chromium.
3. The June 5, 2007 equipment blank "MWB" contained 0.84 J µg/L perchlorate.

FIGURES



② *Newberry Landfill: Tujunga Av, Sun Valley, 91352, 532 J2*
① *Penrose Landfill: Tujunga Avenue, Sun Valley, 91352, 532 H2*

③ *Strathern Landfill: Tujunga Avenue, Sun Valley, 91352, 532 J2*

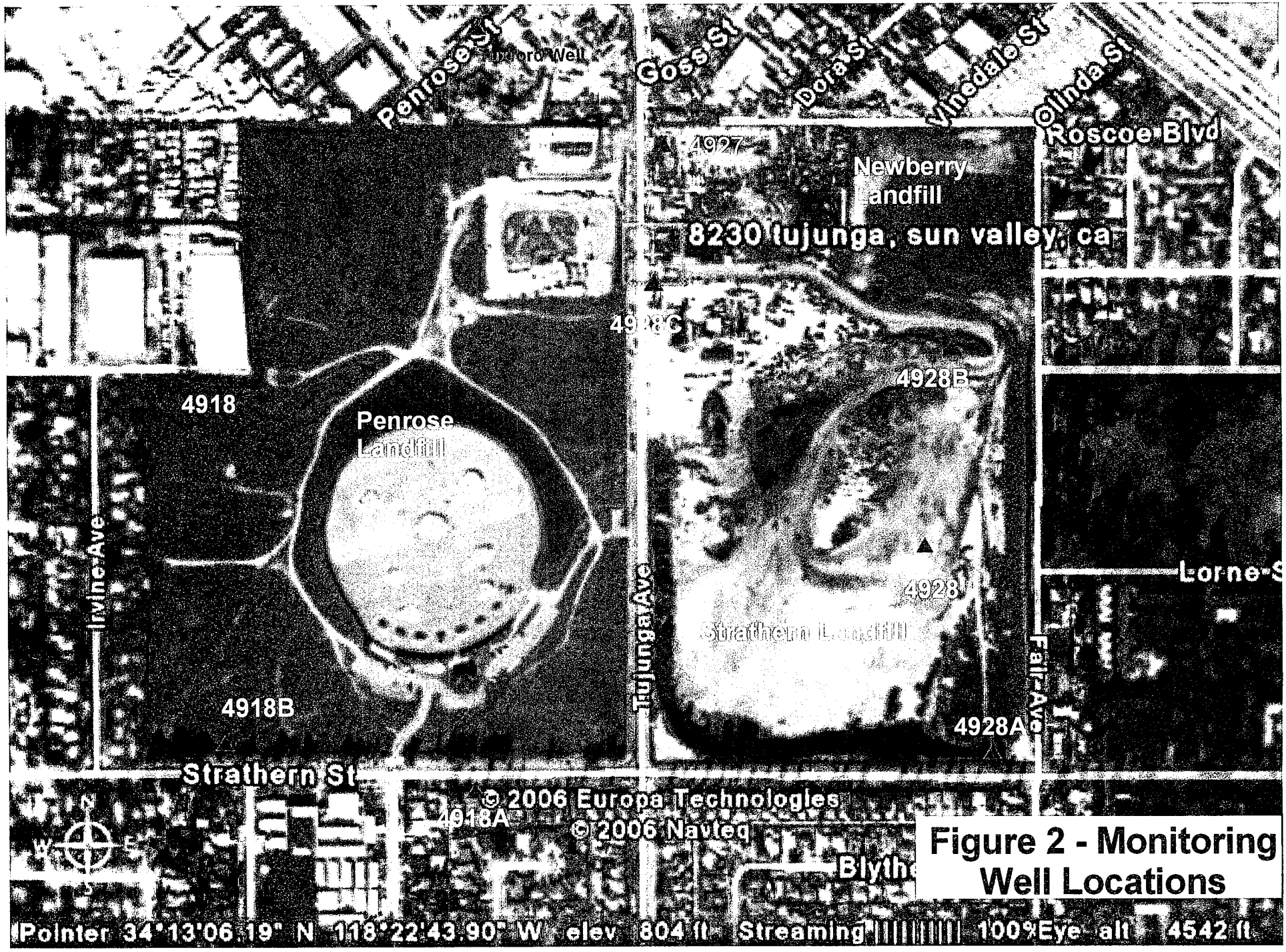
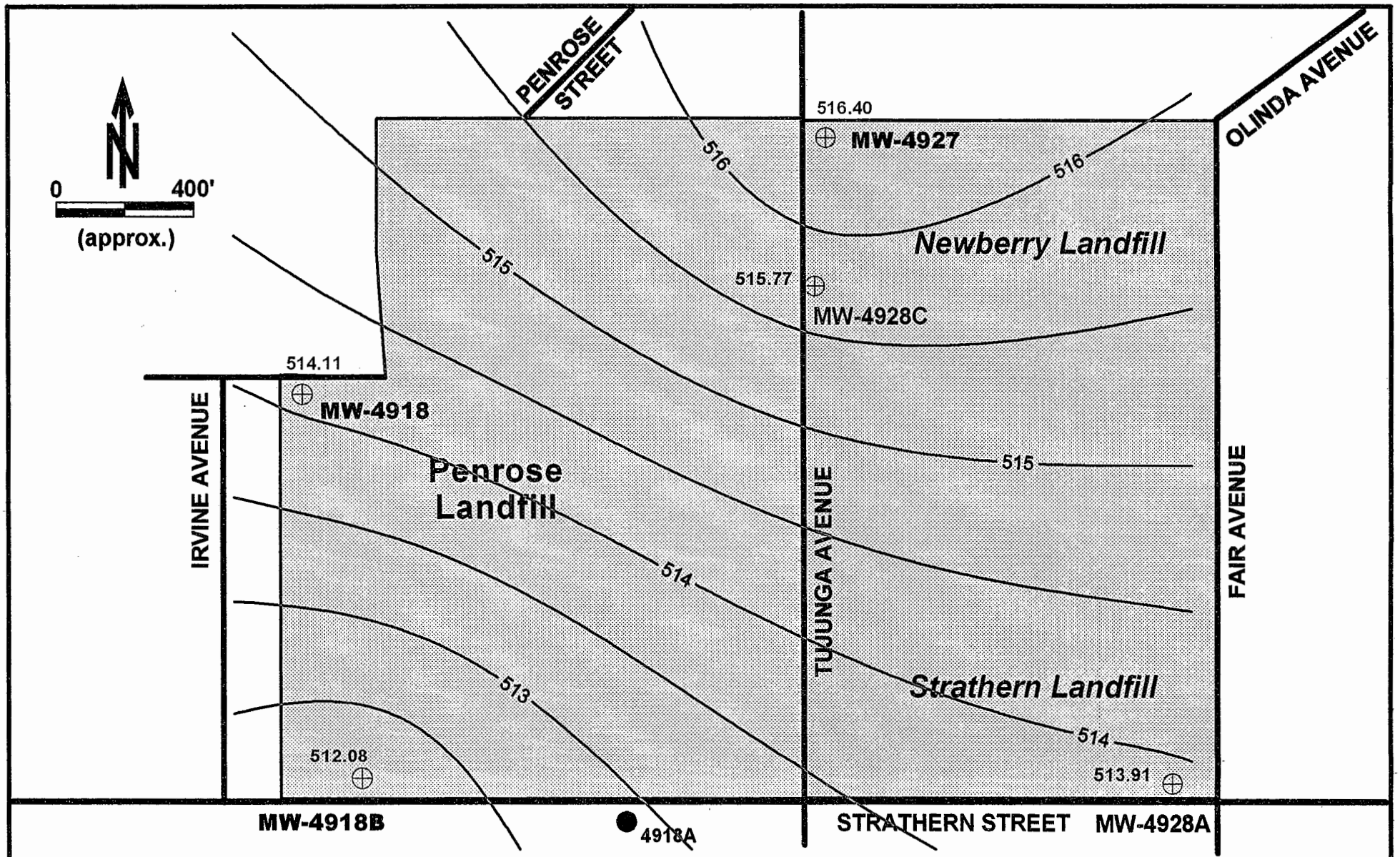


Figure 2 - Monitoring Well Locations



Top-of-casing elevations for all on-site monitoring wells were resurveyed by Dulin & Boynton Licensed Surveyors, Inc. on July 17, 2007

MW-4918B
⊕ Monitoring Well Locations and Identification (Targhee, June 2007)

4918A
● Other Monitoring Wells

TARGHEE, INC.
ENVIRONMENTAL CONSULTING
110 Pine Avenue, Suite 925
Long Beach, CA 90802-4426
(562) 435-8080 FAX (562) 590-8795

CORRECTED GROUNDWATER ELEVATIONS - 2nd Quarter 2007

Penrose, Newberry & Strathern Landfills
8230 Tujunga Avenue, Sun Valley, CA 91352

FIGURE 3	AUGUST 2007

APPENDIX A

Well Sampling Data Log

Project:	Los Angeles By-Products							
Date:	4-Jun-07		Well No.	**4918**		Sampler	B'Bent/Williams	
Total Depth	365							
DTW	307.96		Date	4-Jun-07		Time	730	
Volume of Water In Well	57.04	Feet	72	Gallons	(1.27 gal/foot)			

Well Purging Data

Method	Gregg Pump		Purge Volume		216		Gallons	
Start Time	815		End Time	915				
Rate	4 gpm							
Parameters								
	Initial	First Volume	Second Volume	Third Volume	Fourth Volume	Fifth Volume		
Time	817	838	854	915				
Temp	67	68.1	69.7	71.5				
EC	1.58	1.53	1.46	1.44				
pH	6.99	7.08	7.12	6.91				
Turbidity	30.3	8.8	3.8	1.7				
Volume	0	86	150	225				
Equipment Used (Circle as Appropriate)								
Hanna	By-Products (Powers Electric) DTW Meter					LaMotte		

Sample Collection Data

			Time:	915				
Containers	**Quantity**							

Well Sampling Data Log

Project:	Los Angeles By-Products							
Date:	4-Jun-07		Well No.	**4918B**		Sampler	B'Bent/Williams	
Total Depth	370							
DTW	297.83		Date	4-Jun-07		Time	1235	
Volume of Water In Well	72.17	Feet	180	Gallons	(2.50 gal/foot)			
Well Purging Data								
Method	Gregg Pump		Purge Volume		540		Gallons	
Start Time	1245		End Time	1450				
Rate	4 gpm							
Parameters								

	Initial	First Volume	Second Volume	Third Volume	Fourth Volume	Fifth Volume		
Time or Gallons		185	365	560				
Temp	80.2	75.2	74.9	74.6				
EC	1.48	1.51	1.51	1.51				
pH	7.19	7.23	7.25	7.24				
Turbidity	3.8	1.2	1.5	0.6				

Equipment Used			
Hanna	By-Products (Powers Electric) DTW Meter		LaMotte
Sample Collection Data			
	Time:	1545	

Well Sampling Data Log

Project:	Los Angeles By-Products							
Date:	4-Jun-07		Well No.	**4927**		Sampler	B'Bent/Williams	
Total Depth	375							
DTW	310.75		Date	4-Jun-07		Time	930	
Volume of Water In Well	64.25	Feet	82	Gallons	(1.27 gal/foot)			

Well Purging Data

Method	Gregg Pump		Purge Volume		246		Gallons	
Start Time	1045		End Time	1200				
Rate	4 gpm							
Parameters								
	Initial	First Volume	Second Volume	Third Volume	Fourth Volume	Fifth Volume		
Time or Gallons		83	170	260				
Temp	76.6	72.1	70.6	72.6				
EC	1.28	1.3	1.27	1.22				
pH	7.2	7.26	7.3	7.28				
Turbidity	16.6	4.78	2.1	1.6				

Equipment Used			
Hanna	By-Products (Powers Electric) DTW Meter		LaMotte

Sample Collection Data

Time:	1200

Well Sampling Data Log

Project:	Los Angeles By-Products							
Date:	5-Jun-07		Well No.	**4928A**		Sampler	B'Bent/Williams	
Total Depth	452							
DTW	289.56		Date	5-Jun-07		Time	1235	
Volume of Water In Well	162.44	Feet	206	Gallons	(1.27 gal/foot)			
Well Purging Data								
Method	Gregg Pump		Purge Volume		618		Gallons	
Start Time	1020		End Time	1120				
Rate	20-25 gpm							
Parameters								
	Initial	First Volume	Second Volume	Third Volume	Fourth Volume	Fifth Volume		
Time or Gallons	1020	1030	1040	1110				
Temp	66.3	66.4	66.5	67				
EC	1.12	1.11	1.12	1.11				
pH	6.81	6.97	7	7.01				
Turbidity	5.9	2.6	1.7	2.7				
Equipment Used								
Hanna	By-Products (Powers Electric) DTW Meter					LaMotte		
Sample Collection Data								
			Time:	1120				
Notre - purge water storage trailer dumped after 2nd volume								

Well Sampling Data Log

Project:	Los Angeles By-Products							
Date:	5-Jun-07		Well No.	**4928C**		Sampler	B'Bent/Williams	
Total Depth	377							
DTW	305.69		Date	5-Jun-07		Time	815	
Volume of Water In Well	71.31	Feet	178	Gallons	(2.5 gal/foot)			

Well Purging Data

Method	Gregg Pump		Purge Volume		540		Gallons	
Start Time	830		End Time	920				
Rate	20-25 gpm							
Parameters								
	Initial	First Volume	Second Volume	Third Volume	Fourth Volume	Fifth Volume		
Time or Gallons	0830	0840	0850	0900				
Temp	72	68.1	66.3	66.4				
EC	1.31	1.46	1.41	1.4				
pH	6.87	6.89	6.88	6.86				
Turbidity	1.9	1.5	1.1	1.1				

Equipment Used			
Hanna	By-Products (Powers Electric) DTW Meter		LaMotte

Sample Collection Data

Time:	920

TARGHEE, INC.

ENVIRONMENTAL CONSULTING

1987 - 2007 20 YEARS OF EXCELLENCE Targhee Inc.

October 31, 2007

RECEIVED
NOV 2 AM 10 54
CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD
LOS ANGELES REGION

Mr. Rod Nelson
Regional Water Quality Control
Board, Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Re: **THIRD Quarter 2007** Groundwater Monitoring Report
Los Angles By-Products Company
Penrose, Newberry & Strathern Landfills
8230 Tujunga Avenue, Sun Valley, CA 91352

Dear Mr. Nelson:

Enclosed please find one original and two copies of Targhee, Incorporated's Third Quarter 2007 Groundwater Monitoring Report for the above-referenced properties. I have also enclosed a copy of the report on a CD-ROM.

Please contact the undersigned if you have any questions or comments regarding the enclosed report.

Sincerely,

Charles F. Lindeman
REA II - 20251

Enclosure

cc: Mr. Robert McAllister (1 original; 1 copy; 1 CD)
Los Angeles By-Products

Ms. Rachel Loftin (1 original; 2 copies; 1 CD)
Unites States Environmental Protection Agency

Raul Montes, Esq. (1 original; 2 copies; 1 CD)
Greenwald, Hoffman, Meyers & Montes

Anita Sokolsky, Esq. (1 copy; 1 CD)

Mr. Jan Turk (1 copy; 1 CD)
Turl & Associates, Inc.

110 Pine Avenue, Suite 925 • Long Beach, CA 90802-4455 • (562) 435-8080 FAX (562) 590-8795
www.targheeinc.com

THIRD QUARTER 2007

GROUNDWATER MONITORING REPORT

Los Angeles By-Products Company
Penrose, Newberry and Strathern Landfills
8230 Tujunga Avenue, Sun Valley, CA 91352

2481

RECEIVED
2007 NOV 2 AM 10 54
CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD
LOS ANGELES REGION

October 2007

Charles F. Lindeman
REA II - 20251

J.C. Williams
Professional Geologist No. 6895

PROFESSIONAL GEOLOGIST
J.C. WILLIAMS
No. 6895
9/09
STATE OF CALIFORNIA

LOGGED IN
TECHNICAL SUPPORT
Name:
Date: 11.20.07

Submitted by:

Targhee, Inc.
110 Pine Avenue, Suite 925
Long Beach, CA 90802-4455
www.targheeinc.com
562-435-8080

TABLE OF CONTENTS

		Page
1.0	INTRODUCTION	1
2.0	SITE INFORMATION	1
3.0	BACKGROUND	2
4.0	HYDROGEOLOGY	3
	4.1 Site Hydrogeology	4
5.0	MONITORING WELL PURGING	5
6.0	GROUNDWATER SAMPLING	6
7.0	GROUNDWATER ANALYSES	6
8.0	ANALYTICAL RESULTS	7
	8.1 Data Quality Assurance	7
	8.2 Emergent Chemicals Discussion	8
	8.2.1 n-Nitrosodimethylamine	8
	8.2.2 1,2,3-Trichloropropane	8
	8.2.3 1,4-Dioxane	9
	8.2.4 Perchlorate	9
	8.2.5 Hexavalent Chromium	9
	8.3 Volatile Organic Chemicals	10
	8.4 Title 22 Metals	11
9.0	DRINKING WATER STANDARDS	11
	9.1 Inorganic Chemicals	11
	9.2 Organic Chemicals	11
	9.2.1 MW-4918	12
	9.2.2 MW-4819B	12
	9.2.3 MW-2927	13

TABLE OF CONTENTS
(continued)

Page

9.2.4 MW-4928C 13
9.2.5 MW-4928A 13
9.2.6 MW-4918A (off-site) 14

TABLES

Request for Analyses ..... Table 1

Organic Analytical Results, 3rd Quarter 2007 ..... Table 2

Inorganic Analytical Results, 3rd Quarter 2007 ..... Table 3

Strathern Wells Historic Analytical Data (URS) ..... Table 4

Emergent Chemicals ..... Table 5

Historic Data for Emergent Chemicals ..... Table 6

FIGURES

Local Area Map ..... Figure 1

Monitoring Well Locations ..... Figure 2

Corrected Groundwater Elevations – Third Quarter 2007 ..... Figure 3

APPENDICES

Well Field Sampling Data Logs ..... Appendix A

Chain-of-Custody Forms and
Laboratory Report of Analytical Results ..... Appendix B

Chain-of-Custody Forms and Laboratory
Report of Analytical Results (MW-4918A) ..... Appendix C

TARGHEE, INC.
ENVIRONMENTAL CONSULTING

THIRD QUARTER 2007
GROUNDWATER MONITORING REPORT

Los Angeles By-Products Company
Penrose, Newberry and Strathern Landfills
8230 Tujunga Avenue, Sun Valley, CA 91352

1.0 INTRODUCTION

On September 11 and 12, 2007, Targhee, Incorporated obtained groundwater samples for chemical analysis at the Los Angeles By-Products' Penrose, Newberry and Strathern landfills located at 8230 Tujunga Avenue in Sun Valley, California (Figure 1 - Local Area Map).

Groundwater monitoring wells MW-4928A and MW-4928C located at the Strathern Inert Landfill ("Strathern"), monitoring wells MW-4918 and MW-4918B located at the closed Penrose Landfill and monitoring well MW-4927 located at the closed Newberry Landfill, were sampled and analyzed during this 3rd Quarter 2007 sampling event.

2.0 SITE INFORMATION

The site contact and responsible party are as follows:

Mr. Robert McAllister
Los Angeles By-Products Company
10940 Portal Drive
Los Alamitos, CA 90720-3482

714-828-3090 telephone
714-828-3900 fax

The closed Penrose and Newberry landfills and the active Strathern inert waste landfill are located along the east and west sides of Tujunga Avenue in Sun Valley, Los Angeles County, California. The general location of the three landfills is depicted in Figure 1 (Local Area Map). The location of the landfills and monitoring wells with respect to the local area is depicted in Figure 2 (Monitoring Well Locations).

The three landfills occupy an area of approximately 100 acres. In general, the monitoring wells are located along the perimeter. Residential neighborhoods and a park are located along the western, southern and eastern boundaries, while light industrial and manufacturing uses are located along the northern boundary of the landfills.

The topography of the three subject landfills is generally flat. The landfills are located within the area defined by Strathern Street to the south, Irvine Avenue to the west, Tuxford Street and Roscoe Boulevard to the north and Fair Avenue to the east. The Golden State Freeway (5) and San Fernando Road are located northeast of the landfills. The specific location of the landfills and monitoring wells is shown in Figure 2.

3.0 BACKGROUND

The closed Penrose Landfill is owned and was operated by Los Angeles By-Products Company. Prior to its use as a landfill, the Penrose Landfill was a gravel pit. The landfill operated under a Class II-2 permit issued in 1962 and accepted household rubbish until its closure in 1985. The landfill is currently in post-closure monitoring. A landfill-gas extraction and energy recovery system is currently operating at the landfill.

The closed Newberry Landfill was reportedly operated by Arthur Kazarian. Los Angeles By-Products is the property owner. Prior to its use as a landfill, the Newberry Landfill was a gravel pit. The landfill accepted rubbish from approximately 1948 until its closure in May 1955.

The Strathern Landfill is owned and operated by Los Angeles By-Products and is currently an operating "inerts" landfill that opened on September 21, 1992. Prior to its use as a landfill, the Strathern Landfill was a gravel pit. The Strathern Landfill accepts only inert wastes such as asphalt, brick, uncontaminated soil and aggregates.

A Solid Waste Assessment Test ("SWAT") was completed for the Penrose and Newberry landfills in the late 1980s by Law Environmental, Inc. A Supplemental SWAT encompassing the Penrose and Newberry landfills was also prepared by Law Environmental, Inc. in 1989. The Supplemental SWAT concluded that there was no apparent threat to groundwater from landfill gas or migration from the Penrose and Newberry landfills and that landfill gas was being effectively controlled at the Penrose Landfill by the landfill gas collection system. The trash appeared to be unsaturated, and there was no evidence of leachate production at the Penrose and Newberry landfills.

The July 1, 1989 SWAT Supplemental Monitoring Report[1] stated that "*...the most significant change in the ground water quality has been with the rise and fall of TCE concentrations which appear to be related to regional plumes moving through the area*". On September 22, 1989, the RWQCB approved the SWAT report and stated:

---

[1] "Solid Waste Assessment Test (SWAT) Supplementary Monitoring Report", Penrose and Newberry Landfills (Closed) and Strathern Pit, Sun Valley District, Los Angeles, CA, Law Environmental, July 1, 1989.

> *"1. The elevated levels of trichloroethylene and nitrate found in both the upgradient and downgradient wells around the Penrose Landfill are the result of unknown sources upgradient of the landfill."*

Beginning in 1984 and continuing through February 1989, groundwater was routinely collected and analyzed from monitoring wells MW-4928A and MW-4928B. With the opening of the Strathern inert waste landfill in 1992, monitoring wells MW-4928A, MW-4928B and MW-4928C are monitored semi-annually according to the current Monitoring and Reporting Program. The enclosed Table 4 and associated graphs contain the historic analytical results[2] for groundwater analyzed from Strathern wells MW-4928A, MW-4928B and MW-4928C by URS.

The current Strathern Landfill monitoring program requires semi-annual groundwater monitoring. The URS Corporation's ("URS") January 19, 2006, "Second 2005 Semi-Annual Groundwater Monitoring Report" for the Strathern Landfill concluded that "*...because the landfill receives inert solid waste and the amount of water-soluble material is negligible, URS believes the potential for leachate from the landfill continues to be low*".

4.0 HYDROGEOLOGY

The hydrogeology of the vicinity of the site was determined from available published literature, consultant reports, and from observations made during the monitoring event.

Law Environmental, Inc.'s June 29, 1988, Solid Waste Assessment Test (SWAT) Water report for the Penrose and Newberry landfills states, in part, the following:

> *The geologic units found beneath the site area* [are], *from youngest to oldest: 1) Holocene alluvium, 2) upper Pleistocene (older) alluvium, 3) Plio-Pleistocene Saugus Formation, 4) Miocene sedimentary formations, and 5) pre-Cretaceous crystalline and metamorphic rocks.*
>
> *Most of the ground water within a mile of the site is within the Pleistocene alluvium. The Holocene alluvium is more than 100 feet above the perennial ground water surface. The Holocene alluvium transmits water to the Pleistocene alluvium during recharge events. The Miocene and pre-Cretaceous rocks beneath the alluvium are not used for water supply because they do not contain economically exploitable volumes of water.*

---

[2] Table 4 and associated graphs are taken from URS Corporation's January 26, 2007 Second Semi-Annual Groundwater Monitoring Report.

The Holocene alluvium lies above the main waterbearing portion of the alluvium.

Most of the usable ground water beneath the site lies within the Pleistocene alluvium and is within the main San Fernando Valley Hydrologic area. This geologic unit...consists of over 450 feet of sand, gravel and boulders with red clay lenses. Both alluvium units unconformably overlie the underlying bedrock.

Ref: California Water Rights Board, 1962, "Report of Referee, The City of Los Angeles vs. City of San Fernando, et al.," No. 650079.

4.1 Site Hydrogeology

Prior to purging any well, the depth to groundwater was measured to an accuracy of 0.01 feet in each of the monitoring wells using Los Angeles By-Products' dedicated water level indicator. The water-level measurements were used to determine the volume of water present in each of the wells, as well as the gradient and direction of the groundwater flow beneath the site.

Groundwater Elevations September 2007

Well I.D.	Top of Casing Elevation[1] (feet above sea level)	Depth to Groundwater[2] (below top of casing)	Groundwater[3] Elevation (ft)
MW-4918	822.07	329.07	493.00
MW-4918B	809.91	319.18	490.73
MW-4927	827.15	332.38	494.77
MW-4928A	803.47	310.15	493.32
MW-4928C	821.46	327.41	494.05

1. Top of casing elevations resurveyed by Dulin & Boynton, Licensed Surveyors, Inc., July 17, 2007.
2. Recalibration of LA By-Products' dedicated water-level meter indicates that some depth-to-water measurements conducted prior to June 2007 may be in error.
3. Groundwater elevations contained in this report have been calculated using Dulin & Boynton's July 17, 2007 survey data and the September 18, 2007 depth-to-water measurements.

Due to inconsistencies observed during groundwater contouring using the September 11 and 12, 2007 depth-to-groundwater data, depth to groundwater was re-measured in all wells on September 18, 2007. The original depth-to-water measurements are recorded on the Field Well Sampling Data Logs contained in Appendix A. Figure 3 (Groundwater Elevations 3rd Quarter 2007) has been completed using the September 18, 2007 depth-to-water measurements.

Historic documentation of area-wide groundwater flow beneath the Penrose, Newberry and Strathern landfills has consistently shown a south to southeasterly groundwater flow direction. However, as shown in Figure 3, based on the 3rd Quarter 2007 groundwater elevation data, the current, generalized groundwater flow direction directly beneath the site is to the south-southwest. The current flow pattern of groundwater may be influenced by the ongoing, daily infiltration of street runoff to the subsurface directly south of MW-4928C (i.e., the washed-out Tujunga Avenue roadbed).

5.0 MONITORING WELL PURGING

Groundwater sampling was conducted on September 11 and 12, 2007. During the groundwater monitoring event, no significant deviation from the revised January 24, 2007 Groundwater Sampling and Analysis Plan occurred.

All down-hole equipment was pre-cleaned before insertion into the monitoring wells. The stainless steel pump and individual 10-foot lengths of stainless steel tubing were steam-cleaned inside and out prior to insertion into each well; that is, all equipment was properly decontaminated between each monitoring well.

Following the completion of water-level measurements and prior to the collection of groundwater samples, a minimum of three well volumes of groundwater was purged (removed) from each monitoring well. Purge rates of between 9 and 10 gallons per minute were maintained during the purging of monitoring wells MW-4918, MW-4918B and MW-4927. Flow rates were reduced during sample collection.

Dedicated well pumps are present in MW-4928A and MW-4928C. These wells are purged at a rate of approximately 20 gallons per minute. The purge rate of these two wells cannot be reduced because the dedicated pumps are not variable-flow pumps. This purge rate did not have an impact on the sampling effort because drawdown observed after the purging process at each well was less than one foot. An attached sample valve allowed groundwater sample collection at a reduced rate that minimized/prevented aeration during the sampling process of these wells.

The temperature, pH and conductivity were measured by Targhee after the removal of each well volume. Sequential measurements were within 10% following the removal of three well

volumes in each of the wells. At a minimum, turbidity was measured during the removal of the final well volume. The testing instruments (Hanna Temperature-Conductivity-pH Tester and LaMotte Model 2008 Turbidity Meter) were calibrated according to the manufacturer's instructions prior to use. The values for the measurements of these above-stated parameters are shown on the Field Well Sampling Data Logs contained in Appendix A.

6.0 GROUNDWATER SAMPLING

All groundwater sampling was conducted under the supervision of J.C. Williams, Professional Geologist No. 6895. Groundwater samples were collected by Charles F. Lindeman (REA II - 20251), as described in the January 24, 2007 Groundwater Sampling and Analysis Plan. Samples were placed directly into the appropriate laboratory-supplied containers (i.e., 40-ml VOA container, 1-liter amber glass bottle, 125-ml poly container, 500-ml poly container or 1-liter poly container) based on the analysis to be performed.

Detailed information regarding the analyses requested, preservative and container requirements and holding times for the groundwater samples taken during this monitoring event is presented in Table 1 (Request for Analyses).

All samples collected were placed in an iced cooler at 4°C for transportation to American Scientific Laboratories, LLC, a State-certified laboratory (CA DHS ELAP No. 2200). Standard Chain-of-Custody procedures were maintained on all samples. The Chain-of-Custody Record with a request for analysis was initiated in the field by Targhee. Each time responsibility for custody of the samples changed, the receiving and relinquishing custodians signed the record and entered the date and time of transfer of the samples. The laboratory signed for the receipt of the samples and returned a copy of the Chain-of-Custody Record to Targhee.

7.0 GROUNDWATER ANALYSES

All groundwater samples were submitted to American Scientific Laboratories, 2520 North San Fernando Road, Los Angeles, CA (CA-DHS ELAP No. 2200) and analyzed for the parameters outlined below.

ANALYTICAL PARAMETERS

Parameter	Method	Target Detection Limit
Volatile Organic Compounds Including MTBE	8260B	See Lab Sheet
Dissolved Title 22 Metals	6010B	See Lab Sheet

Parameter	Method	Target Detection Limit
(field-filtered)		
Hexavalent Chromium	7199	0.5 µg/L
Nitrate/Nitrite	300	0.10 mg/L
Chloride	300	1.0 mg/L
Sulfate	300	1.0 mg/L
Fluoride	300	0.10 mg/L
Perchlorate	314	4 µg/L
1,4-Dioxane	8270C-MOD	2 µg/L
NDMA	1625C/M	0.002 µg/L
1,2,3-Trichloropropane	524.2 - SIM	0.005 µg/L
Total Dissolved Solids (TDS)	160.1	20.0 mg/L
Total Organic Carbon (TOC)	415.2	2.0 mg/L
Calcium	6010B	0.25 mg/L
Magnesium		0.25 mg/L
Sodium		1 mg/L
Potassium		1 mg/L
Hardness	130.2	5.0 mg/L
Alkalinity	SM 2320	2 to 20 mg/L
Sulfide	376.2	0.01 mg/L
µg/L – micrograms/liter		mg/L – milligrams/liter

8.0 ANALYTICAL RESULTS

Tabulated analytical results for this 2nd Quarter 2007 groundwater monitoring effort are contained in Table 2 (Organic Analytical Results) and Table 3 (Inorganic Analytical Results). The laboratory report of analytical results, including QA/QC results and Chain-of-Custody forms, can be found in Appendix B.

8.1 Data Quality Assurance

All samples were either analyzed or prepared within their respective holding times. A review of the laboratory's Quality Control ("QC") Reports for each of the analyses performed indicates the following QC discrepancies:

- The MS/MSD% Recovery for Chloride (September 11, 2007) was not met. The LCS was within the specified % limit.

- The MS/MSD% Recovery for 1,4-dioxane (September 11 and 12, 2007) was not met. The LCS was within the specified % limit.

- The MS/MSD% Recovery for Sulfide (Sample 204111) was not met. The LCS was within the specified % limit.

8.2 Emergent Chemicals Discussion

Analytical results for the analysis of emergent chemicals during this 3rd Quarter 2007 sampling event are tabulated in the attached Table 5 (Emergent Chemicals). A compilation of historical analytical results for the emergent chemicals are contained in Table 6 (Historic Data for Emergent Chemicals).

8.2.1 n-Nitrosodimethylamine ("NDMA")

NDMA was not detected in Penrose monitoring wells MW-4918 and MW-4918B and duplicate sample MW-Dup this quarter. Monitoring well MW-4918B was used for the QA/QC sample duplicate ("MW-Dup") with an additional third sample obtained from MW-4918B for use as the matrix spike sample ("MS/MSD").

Upgradient Newberry monitoring well MW-4927 contained no detectable concentrations of NDMA this quarter.

NDMA was not detected in Strathern monitoring wells MW-4928A and MW-4928C this quarter. NDMA was detected in the September 12, 2007 field blank MWB at a semi-quantitative concentration of 1.1 J nanograms per liter ("ng/L" or parts per trillion)[3].

8.2.2 1,2,3-Trichloropropane ("TCP")

TCP was not detected in Penrose monitoring well MW-4918 this quarter; however, trace amounts of TCP was detected in Penrose MW-4918B (0.026 micrograms per liter ["µg/L'] or parts per billion) and duplicate sample MW-Dup (0.0085 µg/L) this quarter.

TCP was not detected in MW-4927, MW-4829A or MW-4928C during this 3rd Quarter 2007 sampling event.

---

[3] An analytical result with a "J" flag identifier is a result that is below the analytical method's Practical Quantitation Limit ("PQL"), but above the analytical method's Method Detection Limit ("MDL"). A "J" flagged analytical result should be considered a semi-quantitative result.

8.2.3 1,4-Dioxane ("dioxane")

Dioxane was detected in MW-4918 at a semi-quantitative concentration of 0.46 J µg/L this quarter. MW-4918B and duplicate sample MW-Dup contained dioxane at concentrations of 24 µg/L and 24 µg/L, respectively. No detectable concentrations of dioxane were found in Newberry well MW-4927 or Strathern well MW-4928A. A semi-quantitative concentration of 0.55 J µg/L dioxane was detected in MW-4928C this quarter.

8.2.4 Perchlorate

Penrose wells MW-4918 and MW-4918B, duplicate sample MW-Dup and Newberry well MW-4927 contained no detectable concentration of perchlorate this quarter.

Strathern well MW-4928A contained a semi-quantitative concentration of 1.5 J µg/L perchlorate this quarter. Perchlorate was not detected in Strathern well MW-4928C.

8.2.5 Hexavalent Chromium

Semi-quantitative concentrations of hexavalent chromium were detected during this quarter in MW-4918 (0.28 J µg/L), MW-4918B (0.31 J µg/L) and MW-4927 (0.38 J µg/L); however, the daily field blank MWB also contained 0.39 J µg/L hexavalent chromium.

Hexavalent chromium was detected during this quarter in Strathern wells MW-4928A (1.08 µg/L) and MW-4928C (0.31 J µg/L); however, the daily field blank MWB also contained 0.52 J µg/L hexavalent chromium.

Current research (ref. 1) has shown that trivalent chromium (Cr^{3+}) is the predominant species of chromium in groundwater where dissolved oxygen levels are below 1 mg/L and that hexavalent chromium (Cr^{6+}) is the predominant species where dissolved oxygen is present. Additional research has shown that hexavalent chromium is naturally occurring in some California groundwater (refs. 2-4) and that naturally occurring manganese oxides present in alluvial soils oxidize trivalent chromium to hexavalent chromium in situ (refs. 5, 6). As the sampled groundwater is not anaerobic and dissolved manganese was detected in all groundwater samples collected from the Tujunga Wash alluvium during the 3rd Quarter 2007 sampling, the most credible sources for hexavalent chromium detected in groundwater beneath the landfills are geogenic, not anthropogenic, processes.

8.3 Volatile Organic Chemicals

The analogous concentrations of PCE detected in Penrose wells MW-4918 and MW-4918B, as well as the concentrations of TCE detected in well MW-4918B, evidence an of-site, upgradient source for the PCE and TCE detected beneath the Penrose Landfill. The PCE detected in Newberry well MW-4927 also indicates an upgradient source of the PCE.

In general, the concentrations of Volatile Organic Compounds ("VOCs") and, more specifically the concentrations of trichloroethene ("TCE") and perchloroethene ("PCE"), detected during the 3rd Quarter 2007 sampling event are unchanged from all previous 2006-07 quarterly sampling.

Monitoring well MW-4918 contained 20.5 µg/L PCE and 4.9 µg/L TCE during this quarter. Cis-1,2-dichlorethene (cis-1,2-DCE) and 1,1-dichloroethene ("1,1-DCE"), both degradation products of PCE and TCE, were detected in MW-4918 at concentrations of 3.8 µg/L and 1.1 µg/L , respectively. Trace quantities of acetone (8.5 µg/L), chlorobenzene (0.6 J µg/L) and 1,4-dichlorobenzene (0.47 J µg/L) were also detected in MW-4918. Acetone (3.7 J µg/L) was also detected in the daily field blank MWB.

Monitoring well MW-4918B contained 5.7 µg/L PCE and 39.7 µg/L TCE during this quarter. Duplicate sample MW-Dup, collected from MW-4918B, contained 5.6 µg/L PCE and 36.4 µg/L TCE. The degradation product cis-1,2-DCE was also detected in MW-4918B (19.1 µg/L) and duplicate sample MW-Dup (18.8 µg/L). MW-4918B and duplicate sample MW-DUP also contained detectable concentrations of 1,1-DCA (0.45 J µg/L and 0.85 J µg/L, respectively), acetone (10.7 µg/L and 16.3 µg/L, respectively), chlorobenzene (4.2 µg/L and 4.4 µg/L, respectively), 1,2-dichlorobenzene (0.8 J µg/L and 0.8 J µg/L, respectively) and 1,4-dichlorobenzene (1.7 µg/L and 1.6 µg/L, respectively).

Monitoring well MW-4927 contained 1.5 µg/L of PCE and 0.24 J µg/L TCE. Acetone was detected in MW-4927 (15.2 µg/L) and daily field blank MWB (3.7 µg/L); no other VOCs were detected in MW-4927 during 3rd Quarter 2007 sampling.

Monitoring well MW-4928A contained 2.01 µg/L of PCE only; no other VOCs were detected in MW-4928A during 3rd Quarter 2007 sampling.

Monitoring well MW-4928C contained 11.9 µg/L of PCE during this quarter. A semi-quantitative concentration of 1,2-dichloroethane (0.21 J µg/L) was also detected in MW-4928C. No other VOCs were detected in MW-4928C.

8.4 Title 22 Metals

Concentrations of Title 22 Metals exceeding Federal Maximum Contaminant Levels ("MCLs"), Action Levels ("ALs") or Secondary Standards for drinking water were not detected in any groundwater sample. Concentrations of Title 22 Metals exceeding State MCLs or ALs for drinking water were not detected in any groundwater sample.

Concentrations of Title 22 Metals exceeding Federal MCLs and ALs or State MCLs and ALs were not detected during the last four quarters of groundwater monitoring at the site.

9.0 DRINKING WATER STANDARDS

Attached Tables 2 and 3 contain a tabulation of the 3rd Quarter 2007 groundwater monitoring analytical data. Attached Table 4 contains a historical tabulation of the groundwater monitoring data for the Strathern monitoring wells MW-4928A, MW-4928B and MW-4928C.

9.1 Inorganic Chemicals

The nitrate concentration of 13.1 mg/L in MW-4928A slightly exceeded the Federal MCL of 10 mg/L nitrate. The concentrations of manganese detected in MW-4918 (0.116 milligrams per liter ["mg/L"] or parts per million) and MW-4918B (0.48 mg/L) exceed the Federal Secondary Standard of 0.05 mg/L for manganese in drinking water. Concentrations of Total Dissolved Solids ("TDS") detected in all wells during this quarter exceed the Federal Secondary Standard of 500 mg/L TDS in drinking water, but were within the limits of California's Secondary Standard (500 - 1,000 mg/L) for TDS in drinking water.

No other inorganic chemical (i.e., TOC, anions, cations, sulfides, Title 22 Metals, alkalinity, etc.) exceeding Federal or California MCLs or ALs for drinking water was detected in any 2nd Quarter 2007 groundwater sample.

9.2 Organic Chemicals

The concentrations of PCE and/or TCE detected in Penrose wells MW-4918 and MW-4918B, and Newberry well MW-4927 continue to evidence an upgradient, off-site source of PCE and TCE.

The concentrations of PCE and TCE detected during this 3rd Quarter 2007 sampling event are unchanged from the 2nd Quarter 2007, 1st Quarter 2007 and 4th Quarter 2006 sampling events. This evidences a stable plume. Additionally cis-1,2-DCE and/or 1,1-DCE were

detected in wells with PCE and TCE. Both cis-1,2-DCE and 1,1-DCE are degradation products of PCE and TCE and their presence indicates that degradation of the PCE and TCE is occurring through natural attenuation.

The trace concentrations of acetone detected in all September 11, 2007 groundwater samples and the September 11, 2007 field blank MWB are indicative of ambient conditions that day and are of no environmental concern.

9.2.1 MW-4918

The Federal and State MCL of 5 µg/L for PCE was exceeded in MW-4918 (20.5 µg/L). The concentration of TCE (4.9 µg/L) detected in MW-4918 was below the Federal and State MCL of 5 µg/L for TCE.

Cis-1,2-DCE was detected in MW-4918 (3.8 µg/L) at a level below both the Federal MCL of 70 µg/L and the State MCL of 6 µg/L for cis-1,2-DCE. 1,1-DCE was detected in MW-4918 (1.2 µg/L) only, at a concentration below the Federal MCL of 7 µg/L and State MCL of 6 µg/L for 1,1-DCE.

Trace amounts of chlorobenzene (0.6 J µg/L) and 1,4-dichlorobenzene (0.47 J µg/L) were detected in well MW-4918. These detected concentrations are below the Federal MCL for chlorobenzene (100 µg/L) and 1,4-dichlorobenzene (75 µg/L), as well as below the State MCL for 1,4-dichlorobenzene (5 µg/L). There is no State MCL for chlorobenzene.

Acetone was detected both in MW-4918 (8.5 µg/L), as well as the daily field blank MWB (3.7 J µg/L). There is no Federal or State MCL for acetone; however, Region 9 of the U.S. EPA has established a Preliminary Remediation Goal ("PRG") of 5,500 µg/L for acetone in tap water.

9.2.2 MW-4918B

The concentration of PCE (5.7 µ6/L) detected in Penrose well MW-4918B during the 3rd Quarter 2007 monitoring is slightly above the Federal and State MCL of 5 µg/L for PCE. The concentration of TCE (39.7 µg/L) detected in MW-4918B exceeds the Federal and State MCL of 5 µg/L for TCE.

Cis-1,2-DCE was detected in MW-4918B at a concentration of 19.1 µg/L. This level is below the Federal MCL of 70 µg/L for cis-1,2-DCE, but exceeds the State MCL of 6 µg/L.

1,1-DCA was detected at a concentration of 0.45 J µg/L. This concentration is below the State MCL of 5 µg/L for 1,1-DCA. There is no Federal MCL for 1,1-DCA.

Chlorobenzene (4.2 µg/L), 1,2-dichlorobenezene (0.8 J µg/L) and 1,4-dichlorobenzene (1.7 µg/L) were detected in well MW-4918B. These detected concentrations are all below the Federal MCLs for chlorobenzene (100 µg/L), 1,2-dichlorobenzene (600 µg/L) and 1,4-dichlorobenzene (75 µg/L), as well as below the State MCLs for 1,2-dichlorobenzene (600 µg/L) and 1,4-dichlorobenzene (5 µg/L). There is no State MCL for chlorobenzene.

Acetone was detected both in MW-4918B (10.7 µg/L), as well as the daily field blank MWB (3.7 J µg/L). There is no Federal or State MCL for acetone; however, Region 9 of the U.S. EPA has established a PRG of 5,500 µg/L for acetone in tap water.

9.2.3 MW-4927

Newberry well MW-4927 contained 15.2 µg/L acetone. Field blank MWB contained 3.7 J µg/L acetone. There is no Federal or State MCL for acetone; however, Region 9 of the U.S. EPA has established a PRG of 5,500 µg/L for acetone in tap water.

MW-4927 contained 1.5 µg/L of PCE and 0.24 J µg/L TCE. These concentrations are below the Federal and State MCLs of 5 µg/L for PCE or TCE. No other VOCs were detected in MW-4927.

9.2.4 MW-4928C

The Federal and State MCL of 5 µg/L for PCE were exceeded in upgradient Strathern well MW-4928C (11.9 µg/L). Only MW-4928C contained a trace amount of 1,2-DCA (0.21 J µg/L). This concentration does not exceed the Federal MCL of 5 µg/L for 1,2-DCA. This concentration exceeds the State MCL of 0.5 µg/L for 1,2-DCA. No other VOCs were detected in MW-4928C.

9.2.5 MW-4928A

The concentration of PCE detected in Strathern well MW-4928A (2.01 µg/L) is below the Federal and State MCL of 5 µg/L for PCE. No other VOCs were detected in MW-4928A.

9.2.6 MW-4918A (off-site)

On September 6, 2007, Targhee collected a split sample during CH2MHill's monitoring of off-site well MW-4918A. This downgradient monitoring well, located approximately 700 feet east-southeast of MW-4918B, contained detectable concentrations of PCE (1.5 µg/L), TCE (3.3 µg/L), 1,1-DCE (2.6 µg/L), 1,1-DCA (0.84 J µg/L) and 1,2-DCA (0.57 J µg/L). While it appears that the concentration of 0.57 J µg/L 1,2-DCA detected in MW-4918A exceeds the State MCL of 0.5 µg/L, the concentration of 1,2-DCA reported for MW-4918A has been "J flagged" and, therefore, may actually be higher or lower than the reported amount (Appendix C).

REFERENCES

1. Occurrence of Hexavalent Chromium in Groundwater in the Western Mojave Desert, California, Ball, J.W. (USGS, Boulder, CO) and Izbicki, J.A. (USGS, San Diego, CA), Presented at the Geological Society of America's Annual Meeting, Denver, CO, October 30, 2002.

2. Natural Occurrence of Hexavalent Chromium in the Aromas Red Sands Aquifer, Gonzalez, A.R., *et.al.*, Environmental Science and technology, Vol. 39, No. 15, 5505-11, 2005.

3. Inorganic Chemicals in Ground Water and Soil: Background Concentrations at California Air Force Bases, Hunter, P.M., *et.al.*, 44th Annual Meeting of the society of toxicology, New Orleans, LA, March 10, 2005.

4. Geochemistry of Ground Water in Alluvial Basins of Arizona and Adjacent Parts of Nevada, New Mexico and California, Robertson, F.N., U.S. Geological Survey Professional paper 1406-C, Washington, D.C., 1991.

5. *In Situ* Treatment of Soil and Groundwater Contaminated with Chromium, Technical Resource Guide, Office of Research and Development, United States Environmental Protection Agency, EPA/625/R-00/005, October 2000.

6. Chromate Generation by Chromate Depleted Subsurface Materials, Chung, Jong-Bae, *et.al.*, Water, Air and Soil Pollution, 128: 407-17, 2001.

TABLES

Table 1

Table 1

Request For Analyses

Penrose, Newberry and Strathern Landfills Quarterly Groundwater Sampling Event

(Matrix Groundwater)

			Organics			Inorganics		
Specific Analysis Requested			VOC & MTBE 8260B	1,4-Dioxane 8270C-MOD	1,2,3-Trichloropropane 524.2 - SIM 8270-Mod	NDMA 1625C	TOC 415.2	Sulfide
Analytical Holding Time			< 14 Days	<7 Days Extraction <40 days analysis	<14 Days	<7 Days	<28 days	<7 Days
Preservatives			Add 1:1 HCl to pH <2; chill to 4°C	chill to 4°C	Add 1:1 HCl to pH <2; chill to 4°C	Chill to 4°C	H_2SO_4 to pH <2; chill to 4°C	NaOH +ZNAC pH>9; cool to 4°C
Sample Containers			3 x 40 ml VOA Vials	1 x Liter Amber Glass	3 x 40 ml VOA Vials	2 x Liter Amber Glass	1 @ 125 ml Polyethylene	1 x 500 ml Polyethylene
Sample Location	Sample Schedule Day	Con.						
MW-4918	Day 1	Low	X	X	X	X	X	X
MW-4918B	Day 1	Low	X	X	X	X	X	X
MW-4927	Day 1	Low	X	X	X	X	X	X
MW-4928A	Day 1	Low	X	X	X	X	X	X
MW-4928C	Day 1	Low	X	X	X	X	X	X
Duplicate	Day 1	Low	X	X	X	X	X	X
Field/Equip. Blank	Day 1	Low	X	X	X	X	X	X
MS/MSD	Day 1	Low	X	X	X	X	X	X
	Total Containers		27	9	27	18	9	9
CAM Metals Include: Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Th, V, Zn.								

Table 1
Request For Analyses
Penrose, Newberry and Strathern Landfills Quarterly Groundwater Sampling Event
(Matrix Groundwater)

Table 1

Specific Analysis Requested			Perchlorate 314	Dissolved CAM* Metals 6010B	Hexavalent Chromium 7199	Nitrite/Nitrate 300	Chloride, Sulfate Fluoride 300.0	Calcium Magnesium Sodium Potassium 6010B	Alkalinity	Total Dissolved Solids
Analytical Holding Time			<28 days	<180 days	<24 Hours	<48 Hours	<28 days	<28 days	<14 days	<7 days
Preservatives			Chill to 4°C	HNO_3 pH<2 chill to 4°C	Chill to 4°C	Chill to 4°C	Chill to 4°C	Chill to 4°C	Chill to 4°C	Chill to 4°C
Sample Containers			1 x 500 ml Polyethylene	1 x 500 ml Polyethylene	1 x 500 ml Polyethylene	1 x Liter Polyethylene				
Sample Location	Sample Schedule Day	Con.								
MW-4918	Day 1	Low	X	X	X	X	X	X	X	X
MW-4918B	Day 1	Low	X	X	X	X	X	X	X	X
MW-4927	Day 1	Low	X	X	X	X	X	X	X	X
MW-4928A	Day 1	Low	X	X	X	X	X	X	X	X
MW-4928C	Day 1	Low	X	X	X	X	X	X	X	X
Duplicate	Day 1	Low	X	X	X	X	X	X	X	X
Field/Equip. Blank	Day 1	Low	X	X	X	X	X	X	X	X
MS/MSD	Day 1	Low	X	X	X	X	X	X	X	X
	Total Containers		9	9	9	9	9	9	9	9
CAM Metals Include: Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Th, V, Zn.										

Table 1
Request For Analyses
Penrose, Newberry and Strathern Landfills Quarterly Groundwater Sampling Event
(Matrix Groundwater)

Table 1

Specific Analysis Requested			Hardness
Analytical Holding Time			< 6 months
Preservatives			HNO_3 pH<2 chill to 4°C
Sample Containers			1 x 250 ml Polyethylene
Sample Location	Sample Schedule Day	Con.	
MW-4918	Day 1	Low	X
MW-4918B	Day 1	Low	X
MW-4927	Day 1	Low	X
MW-4928A	Day 1	Low	X
MW-4928C	Day 1	Low	X
Duplicate	Day 1	Low	X
Field/Equip. Blank	Day 1	Low	X
MS/MSD	Day 1	Low	X
	Total Containers		9
CAM Metals Include: Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Th, V, Zn.			

TABLE 2: ORGANIC ANALYTICAL RESULTS - THIRD QUARTER 2007
Penrose, Newberry and Strathern Landfills

Analysis	EPA Method	Units	Detection Limit		QA/QC	Holding Time	MW-4918 9/11/07	MW-4918B 9/11/07	MW-Dup 9/11/07	MW-4927 9/11/07	MW-4928A 9/12/07	MW-4928C 9/12/07	MWB Field Blank 9/11/07	MWB Field Blank 9/12/07
			MDL	PQL										
N-Nitrosodimethylamine (NDMA)	1625M	ng/L	0.23	2	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	1.1 J
1,2,3-Trichloropropane (TCP)	524.2M-SIM	µg/L	0.0015	0.0050	Within Limits	Within Limits	ND	0.026	0.0085	ND	ND	ND	ND	ND
1,4-Dioxane	8270C	µg/L	1.00	2.00	Within Limits	Within Limits	0.46 J	24	24	ND	ND	0.55 J	ND	ND
Volatile Organic Compounds	**8260B**													
Acetone	8260B	µg/L	2.52	5	Within Limits	Within Limits	8.5	10.7	16.3	15.2	ND	ND	3.7 J	ND
Chlorobenzene	8260B	µg/L	0.176	1.0	Within Limits	Within Limits	0.60 J	4.2	4.4	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	8260B	µg/L	0.358	1.0	Within Limits	Within Limits	ND	0.8 J	0.8 J	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	8260B	µg/L	0.384	1.0	Within Limits	Within Limits	0.47 J	1.7	1.6	ND	ND	ND	ND	ND
Dichlorodifluoromethane	8260B	µg/L	0.244	3.0	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	8260B	µg/L	0.372	1.0	Within Limits	Within Limits	ND	0.45 J	0.85 J	ND	ND	ND	ND	ND
1,2-Dichloroethane	8260B	µg/L	0.182	1.0	Within Limits	Within Limits	ND	ND	ND	ND	ND	0.21 J	ND	ND
1,1-Dichloroethene	8260B	µg/L	0.355	1.0	Within Limits	Within Limits	1.1	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	8260B	µg/L	0.279	1.0	Within Limits	Within Limits	3.8	19.1	18.8	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	8260B	µg/L	0.421	1.0	Within Limits	Within Limits	20.5	5.7	5.6	1.5	2.01	11.9	ND	ND
1,1,1-Trichloroethane	8260B	µg/L	0.15	1.0	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	8260B	µg/L	0.117	1.0	Within Limits	Within Limits	4.9	39.7	36.4	0.24 J	ND	ND	ND	ND
Toluene	8260B	µg/L	0.282	1.0	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	0.32 J	0.29 J
MTBE	8260B	µg/L	0.240	2.0	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Remaining 8260B Compounds	8260B	µg/L	varies	varies	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 3: INORGANIC ANALYTICAL RESULTS - THIRD QUARTER 2007
Penrose, Newberry and Strathern Landfills

Analysis	EPA Method	Units	Detection Limit		QA/QC	Holding Time	MW-4918 6/04/07	MW-4918B 9/11/07	MW-Dup 9/11/07	MW-4927 9/11/07	MW-4928A 9/12/06	MW-4928C 9/12/07	MWB Field Blank 9/11/07	MWB Field Blank 9/12/07
			MDL	PQL										
Total Dissolved Solids	160.1	mg/L	5	10	Within Limits	Within Limits	917	957	991	716	658	854	ND	ND
Total Alkalinity as $CaCO_3$	SM2320B	mg/L	5	10	Within Limits	Within Limits	805	595	615	585	355	585	ND	ND
Bicarbonate Alkalinity as $CaCO_3$	SM2320B	mg/L	5	10	Within Limits	Within Limits	805	595	615	585	355	585	ND	ND
Carbonate Alkalinity as $CaCO_3$	SM2320B	mg/L	5	10	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Hydroxide as $CaCO_3$	SM2320B	mg/L	5	10	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Total Hardness	130.2	mg/L	5	10	Within Limits	Within Limits	750	740	740	620	500	640	ND	ND
Chloride	300	mg/L	0.241	1.0	MS/MSD % Rec. Exceeded *	Within Limits	26.7*	159*	175*	25.1*	78.7	71.1	0.33 J*	ND
Fluoride	300	mg/L	0.013	0.1	Within Limits	Within Limits	0.23	0.35	0.40	0.22	0.29	0.28	ND	ND
Nitrate as N	300	mg/L	0.007	0.1	Within Limits	Within Limits	7.69	ND	ND	5.17	13.1	8.22	ND	ND
Nitrite as N	300	mg/L	0.0052	0.050	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Sulfate	300	mg/L	0.07	1.0	MS % Rec. Exceeded*	Within Limits	56.9*	62.9*	64.5*	51.9*	84.6	51	ND	ND
Perchlorate	314.0	µg/L	0.30	2.00	Within Limits	Within Limits	ND	ND	ND	ND	1.5J	ND	ND	ND
Sulfide	376.2	mg/L	0.01	0.02	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Total Organic Carbon (TOC)	415.2	mg/L	0.02	0.10	Within Limits	Within Limits	2.2	13.6	14.3	1.6	4.5	6.6	1.1	1.2
Calcium	6010B	mg/L	0.08	0.25	Within Limits	Within Limits	233	231	234	170	143	212	ND	0.19 J
Magnesium	6010B	mg/L	0.04	0.25	Within Limits	Within Limits	57	56.8	56.8	44.6	36.5	48.9	ND	ND
Potassium	6010B	mg/L	0.50	1.00	Within Limits	Within Limits	8.31	7.92	8.57	7.41	6.22	8.48	ND	ND
Sodium	6010B	mg/L	0.50	1.00	Within Limits	Within Limits	47.6	45.8	45.7	48.3	41.9	140	ND	ND

TABLE 3: INORGANIC ANALYTICAL RESULTS - THIRD QUARTER 2007
Penrose, Newberry and Strathern Landfills

Table 3

Analysis	EPA Method	Units	Detection Limit		QA/QC	Holding Time	MW-4918 6/04/07	MW-4918B 9/11/07	MW-Dup 9/11/07	MW-4927 9/11/07	MW-4928A 9/12/06	MW-4928C 9/12/07	MWB Field Blank 9/11/07	MWB Field Blank 9/12/07
Antimony	6010B	mg/L	0.003	0.010	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	6010B	mg/L	0.002	0.010	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Barium	6010B	mg/L	0.001	0.010	Within Limits	Within Limits	0.239	0.274	0.273	0.199	0.163	0.25	0.001 J	ND
Beryllium	6010B	mg/L	0.0005	0.0050	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	6010B	mg/L	0.0005	0.0050	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	6010B	mg/L	0.005	0.010	Within Limits	Within Limits	ND	ND	ND	ND	0.011	ND	ND	ND
Hexavalent chromium	7199	µg/L	0.144	1.0	Within Limits	Within Limits	0.28 J	0.31 J	0.23 J	0.38 J	1.08	1.19	0.39 J	0.52 J
Manganese	6010B	mg/L	0.005	0.010	Within Limits	Within Limits	0.116	0.480	0.504	0.009 J	0.015	0.018	ND	ND
Cobalt	6010B	mg/L	0.001	0.010	Within Limits	Within Limits	ND	0.002J	0.002J	ND	ND	ND	ND	ND
Copper	6010B	mg/L	0.005	0.010	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Lead	6010B	mg/L	0.002	0.005	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	7470A	mg/L	0.001	0.002	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	6010B	mg/L	0.001	0.010	Within Limits	Within Limits	0.001 J	0.004 J	0.004 J	0.003 J	ND	ND	0.003 J	ND
Nickel	6010B	mg/L	0.001	0.010	Within Limits	Within Limits	ND	0.003 J	0.004 J	ND	ND	ND	ND	ND
Selenium	6010B	mg/L	0.004	0.010	Within Limits	Within Limits	0.02	0.012	0.019	0.017	0.012	0.013	ND	ND
Silver	6010B	mg/L	0.008	0.010	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	6010B	mg/L	0.004	0.010	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	6010B	mg/L	0.003	0.010	Within Limits	Within Limits	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	6010B	mg/L	0.001	0.010	Within Limits	Within Limits	0.145	0.006 J	0.017	0.070	0.164	0.864	0.003 J	ND

Table 4

STRATHERN LANDFILL
GROUND WATER DATABASE

Source: Second 2006 Semi-Annual Groundwater Monitoring Report (July-December), Strathern Landfill, URS Corporation, January 26, 2007

PROJECT NO. 38001035.10001

		WATER LEVEL		FIELD MEASUREMENTS						GENERAL MINERALS										GENERAL MINERALS (cont.)										METALS				
POINT	DATE	REF PT.	W S E	fpH	T(f)	fEC	CO2	fAlk	LAlk	EC	LpH	Ca	Mg	Na	K	CO3	HCO3	SO4	Cl	NO3	B	HARD	TDS	COD	TCE	PCE	BENZENE	VC	Cd	Cr	Fe	Pb	Ni	LAB
	UNITS	FT. ASL		pH	°C	µmhos/cm	ppm	ppm	mg/L	µmhos/cm	pH	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	SOURCE
	MCLs			6 - 9	<100	900	--	--		900	6 - 9	--	--	--	--	--	--	250	250	10	0.5	--	500	--	5	5	1	0.5	5	50	0.3	50	100	
4928A	03-May-84	803.78									7.20	120	28	48	6.0	0.0	363	75	65	15.0			650			1			1.0		0.70	#REF!	0.050	B&C
4928A	31-Dec-84	803.78								560	7.70	73	16	26	4.2	0.0	280	58	7	12.0			351		44	5.3					0.22			B&C
4928A	19-Jun-85	803.78	549.22	7.1	69	1100	89.0	506		1300	7.00	130	36	90	9.0	0.0	490	46	87	16.0			750	<0.05	<1	1					<0.09			B&C
4928A	17-Jul-85	803.78	547.95	6.8	68	1180	102.0	480		1300	6.90	120	34	93	8.6	0.0	620	59	98	8.9			730	0.06	<1	1					0.06			B&C
4928A	14-Aug-85	803.78	546.41	6.8	74	1250	22.5			1400	7.60	230	33	79	11.0	0.0	610	44	110	<0.44	0.8		790	<0.05							<0.046			B&C
4928A	19-Sep-85	803.78	543.93	6.3	68	1250	40.5	555		1500	6.80	250	35	78	6.0	0.0	670	55	81	25.0			830	<0.05	37	2					<0.042			B&C
4928A	16-Jan-86	803.78	538.51	7.0	66	1400		180		1400	7.00	160	40	91	8.6	0.0	620	26	150	5.4			880	<0.05	<1	1					<0.063			B&C
4928A	29-Apr-86	803.78	539.84	6.6	68	900	68.0	350		1100	7.80	170	27	63	7.6	0.0	488	27	75	<4			580		<1	<1					<0.2			B&C
4928A	22-Jul-86	803.78	541.67	7.3	69	1200	66.0	460		1300	7.10	170	36	80	8.0	0.0	390	37	260	8.6			780	0.11	<1	2					<0.2			B&C
4928A	15-Oct-86	803.78	539.90	5.9	67	1200	26.0	470		1400	7.40	160	41	84	3.8	0.0	490	55	130	12.0	0.6		810	<0.05	<1	3			<10		<0.1	<20		B&C
4928A	14-Jan-87	803.78	538.50	6.9	66	340	75.0	460		1400	7.00	160	38	82	7.6	0.0	590	54	120	12.0	0.8		820	<0.05	<1	<1			<10		<0.03	<20	<0.06	B&C
4928A	15-Apr-87	803.78	536.86	5.8	69	1100	42.5	490		1500	6.80	170	44	85	6.6	<0.6	650	62	130	16.4	0.8		910	<0.05	<1	<1			<10		<0.02	<10	<0.04	B&C
4928A	24-Jul-87	803.78	532.61	7.2	70	1200	35.0	515		1400	7.00	170	47	110	8.4	<0.6	630	58	140	13.0			840	<0.05	<1	2			<20		<0.02	<20	<0.04	B&C
4928A	21-Oct-87	803.78	526.40	6.9	66	760	34.5	436		1300	7.70	140	34	82	8.5	<0.6	590	56	83	19.0	0.63		760	<0.05	<1	2			<20		0.12	<10	<0.04	B&C
4928A	29-Apr-88	803.78	518.58	8.0	66	950	32.0	203		1000	7.30	110	63	63	6.4	<0.6	480	61	50	23.0	0.3		600	11.0	<1	<1			<20		0.32	4	<0.004	B&C
4928A	28-Jul-88	803.78	518.82	7.4	67	450	37.0	385		900	7.40	99	24	51	5.6	<0.6	442	51	36	19.0	0.34		550	10.0	<1	1			<1		<0.02	<2	<0.04	B&C
4928A	08-Nov-88	803.78	511.81	7.2	65	700	32.0	350		760	7.20	91	26	49	5.6	<0.6	370	56	23	12.0	0.22		450	<3	<1	<1			<1		<0.02	<2	<0.04	B&C
4928A	07-Feb-89	803.78	507.20	7.0	66	700	35.0	360		720	7.20	92	21	35	4.5	<0.6	350	51	21	16.0	0.05		440	<5	<1	2			<1		0.92	7	<0.04	B&C
4928A	02-Apr-93	803.78	489.42	7.9	67	350	37	264		590	7.60	72	17	29	4.6	<0.6	320	35	18	8			330	<6	<0.5	1.6			<1		0.20	5	<0.04	B&C
4928A	22-Jun-93	803.78	500.59	7.8	66	440	25	252		610	7.50	72	18	29	4.5	<0.6	290	48	18	8.3			370	7.7	<1	1.4			<1		0.12	3	<0.04	B&C
4928A	24-Aug-93	803.78	509.08	NA	67	550	25	244		610	7.10	73	18	30	4.6	<0.6	290	48	17	8.2			340	<6	<1	1.3			<1		0.17	4	<0.04	B&C
4928A	19-Nov-93	803.78	515.15	7.40	66	500	22	248		600	7.40	69	17	29	4.5	<0.6	290	47	19	7.7			350	<6	<0.5	0.9			<1		0.13	3	<0.04	B&C
4928A	21-Feb-94	803.78	519.78	7.20	66	650	50	348		830	7.10	100	24	45	5.9	<0.6	430	52	34	1.4	0.3		530		<0.5	<0.5			<1		0.76	4	<0.04	B&C
4928A	05-Aug-94	803.78	526.64	7.00	66	700	55	356		820	7.00	91	23	39	5.4	<1	330	46	46	21	0.26		490		<0.5	1.6			<3		0.42	5	<0.005	B&C
4928A	20-Feb-95	803.78	510.49							830	6.90	97	25	36	5.3	<0.6	390	67	34	34	<0.05		530	21	<0.5	1.9			<5	<10	7.80	99	<0.04	B&C
4928A	24-Aug-95	803.78	524.22	7.00	68	650	100	386		900	6.90	100	25	43	5.4	<10	330	67	35	42	0.29		560	<6	<0.2	2.5			<5	<10	0.35	10	0.073	B&C
4928A	23-Feb-96	803.78	524.74	7.00	65	1015	75	400		1100	6.80	120	53	48	5.9	<10	380	75	53	57	0.32		660	<6	0.54	5.2			<1	<10	2.80	27	<0.04	B&C
4928A	23-Aug-96	803.78	523.41																																
4928A	11-Sep-96	803.78	NM																																
4928A	31-Oct-96	803.78	516.47	7.40	65.4	995	130	348		960	7.10	120	30	47	6.4	<10	360	73	45	55	0.26		630	<6	0.56	6.3			<10	<10	0.15	<50	<0.04	BCA
4928A	14-Feb-97	803.78	511.81	7.20	65.2	830	50	420		850	6.90	100	27	37	5.6	0	390	59	30	37	0.21		500	9.4	1.0	9.4			<5	<10	<0.04	<50	<0.04	VOC
4928A	26-Aug-97	803.78	504.90	7.00	66.9	825	34	372		890	6.60	110	27	41	5.5	0	400	69	38	50	0.25		590	<6	0.69	7.8			<5	<10	0.13	<50	<0.04	VOC
4928A	12-Mar-98	803.78	492.23	7.30	68.3	881	36	320		890	7.25	101	26.5	34.3	6.4	<2.0	320	84	50	7.4	0.6		593	<10	0.6	7.0			<5	<10	0.15	<50	<0.04	AETL
4928A	21-Sep-98	803.78	507.01	7.17	65.9	785	25			816	7.04	96.6	24.6	31.2	5.0	<2	358	64	29	22.1	0.4		528	<6	1.5	15.1			<5	<10	0.95	<50	<0.04	AETL
4928A	30-Mar-99	803.78	507.59	7.60	70.2	829		378		870	7.34	96.3	25.2	32.8	4.9	<2.0	324	68	33	38	0.3		565	<6	1.2	7.2			<5	<10	0.18	<50	<0.04	AETL
4928A	25-Aug-99	803.78	493.23	7.46	66.9	902	37	372		854	7.00	100	27	35.7	4.5	<2.0	332	64	32	20	0.3		546	<6	1.0	12.1			<5	<10	<0.05	<50	<0.04	AETL
4928A	10-Mar-00	803.78	476.16	7.25	64.0	528	35	340		800	7.13	102	25.6	30.1	7.0	<1	296	62	36	11.7	0.2		509	22	1.1	6.3			<5	<10	0.08	<50	<0.01	AETL
4928A	09-Oct-00	803.78	481.63	6.76	67.1	800	30	372		790	6.81	93.9	24.2	32.6	5.5	<1	286	55	30	35.0	0.2		501	<5	0.9	3.8			<5	20	<0.03	<50	<0.01	AETL
4928A	29-Mar-01	803.78	484.40	7.44	65.1	733	28	376		733	7.34	87.1	22.1	32.1	5.3	<1	290	57	21	8.0	<0.1	322	437	<5	0.8	4.5	<0.25	<0.25	<10	<10	0.06	<50	<0.01	AETL
4928A	25-Sep-01	803.78	485.40	8.10	68.2	511	32	156		817	7.31	89.6	23.2	31.2	5.3	<1	288	62.4	35	31.4	0.4	356	501	<5	0.9	6.9	<0.25	<0.25	<10	10[7]	0.23	<50	<0.01	AETL
4928A	05-Jun-02	803.78	485.26	7.65	65.5	766	26	363		761	7.20	88.6	24.1	34.5	15.8	<1	282	73	27	29.2	0.3	332	512	8[7]	0.8	5.7	<0.25	<0.25	<1	<10	0.09	<8	<50	AETL
4928A	27-Nov-02	803.78	474.58	6.90	65.3	722	32	336		824	7.13	99.4	26.1	35.3	5.5	<1	280	75	33	53.1	0.4	348	476	5.4[7]	0.6	6.3	<0.25	<0.25	<1	<10	<0.03	<8	<50	AETL
4928A	30-May-03	803.78	473.67	7.31	67.1	664	33	348		720	7.26	81.4	21.1	29.5	4.59	<1	284	56.8	20.0	11.3	0.270	318	432	<5	0.7	7.0	<0.25	<0.25	<10	0.014[7]	0.215	<50	<10	AETL
4928A	10-Dec-03	803.78	449.97	7.40	66.8	1300	35	530		1120	7.06	147	35.7	38.7	5.37	<1	464	60.4	63	27.9	0.512	575	685	13.7	0.4[7]	4.5	<0.25	<0.25	<5	12[7]	<0.02	<15	<10	AETL
4928A	08-Jan-04	803.78	477.78																																
4928A	08-Jun-04	803.78	450.35	7.31	68.0	1070	43	380		1120	6.99	135	33.0	37.6	5.74	<1	456	68.4	51.0	19.4	0.520	528	705	<5	0.7	5.1	<0.25	<0.25	<5	15[7]	<0.02	<15	<10	AETL
4928A	17-Dec-04	803.78	450.58																																
4928A	09-Jun-05	803.78	488.20	7.34	67.8	721	36	300		676	7.04	79.3	20.3	30.4	4.84	<1	248	74.0	23.9	2.25	0.174	288	408	<5	0.7	4.58	<0.25	<0.25	<5	<10	0.089	<15	<10	AETL
4928A	15-Dec-05	803.78	499.68	6.63	63.9	598	46	300		698	6.53	116.0	28.6	35.9	5.77	<1	330	74.8	37.9	4.60	0.195	424	616	<5	0.8	5.00	<0.25	<0.25	<5	<10	0.031	<15	<10	AETL
4928A	20-Jun-06	803.78	502.21	7.00	69.4	1120		300		1080	7.13	158	41.5	43.9	7.25	<1	296	150	51.4	25.9	0.266	540	767	<5	<0.25	4.60	<0.5	<0.25	<5	<10	0.012J	<15	<10	AETL
4928A	08-Aug-06	803.78	503.39	7.00	67.0	1150	48	300		1230	6.90	143	37.6	40.3	6.31	<1	282	157	58.9	25.2	0.274	540	790	<5	<0.25	1.12	<0.5	<0.25	<5	<10	0.01J	<15	<10	AETL
4928A	20-Dec-06	803.78	500.27	6.93	66.1	1000			320	1080	7.40	126	32.6	39.1	7.60	<2	<2	88	60.0	13.7	0.292	472	716	<10	<0.50	2.55	<0.50	<0.50	<50	<50	0.016J	<100	<50	AETL

Table 4

STRATHERN LANDFILL
GROUND WATER DATABASE

Source: Second 2006 Semi-Annual Groundwater Monitoring Report (July-December), Strathern Landfill, URS Corporation, January 26, 2007

PROJECT NO. 38001035.10001

		WATER LEVEL		FIELD MEASUREMENTS						GENERAL MINERALS								GENERAL MINERALS (cont.)							VOLATILES				METALS				
POINT	DATE	REF PT.	W S E	fpH	T(f)	fEC	CO2	fAlk	LAlk	EC	LpH	Ca	Mg	Na	K	CO3	HCO3	SO4	Cl	NO3	B	HARD	TDS	COD	TCE	PCE	BENZENE	VC	Cd	Cr	Fe	Pb	Ni	LAB
	UNITS	FT. ASL		pH	°C	µmhos/cm	ppm	ppm	mg/L	µmhos/cm	pH	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	SOURCE
	MCLs			6 - 9	<100	900	--	--		900	6 - 9	--	--	--	--	--	--	250	250	10	0.5	--	500	--	5	5	1	0.5	5	50	0.3	50	100	
4928B	23-Oct-84	823.09								1000	7.10	110	20	100	5.4	0.0	470	60	40	19.0			620			4					<0.08			B&C
4928B	19-Jun-85	823.09	552.73	8.4	70	900	66.0	392		870	7.10	82	24	92	6.3	0.0	450	53	38	39.0			560	<0.05	<1	<1					<0.09			B&C
4928B	17-Jul-85	823.09	551.71	6.8	74	800	60.0	310		900	6.90	82	24	84	6.2	0.0	450	68	40	20.0			520	0.06	<1	<1					<0.06			B&C
4928B	14-Aug-85	823.09	550.29	7.2	72	850	13.0			860	7.80	120	20	65	7.2	0.0	390	56	37	12.0	0.4		530	<0.05							<0.046			B&C
4928B	19-Sep-85	823.09	547.87	6.5	70	740	30.5	350		820	6.90	130	23	49	3.3	0.0	380	61	33	36.0			510	<0.05	<1	3					<0.042			B&C
4928B	16-Jan-86	823.09	541.82	7.2	68	750		321		750	7.20	107	22	36	4.4	0.0	340	28	25	26.0			460	<0.05	<1	<1					<0.063			B&C
4928B	29-Apr-86	823.09	542.86	6.7	71	520	18.0	255		600	8.00	120	17	30	5.2	0.0	341	30	20	7.0			320		<1	1					<0.2			B&C
4928B	22-Jul-86	823.09	545.14	7.3	70	620	30.0	270		700	7.40	110	20	37	4.4	0.0	290	29	22	6.9			420	0.12	<1	3					<0.2			B&C
4928B	15-Oct-86	823.09	543.10	6.0	68	690	33.5	255		680	7.60	87	10	29	4.2	0.0	280	60	35	15.0	0.3		440	<0.05	<1	<1			<10		0.29	<20		B&C
4928B	14-Jan-87	823.09	541.32	6.7	66	500	16.5	240		700	7.30	88	21	35	4.2	0.0	340	51	18	5.3	0.5		420	0.10	<1	2			<10		<0.03	<20	<0.06	B&C
4928B	15-Apr-87	823.09	539.63	6.2	65	450	25.0	250		680	7.00	80	22	33	4.0	<0.6	340	54	18	6.6	0.4		410	0.08	<1	2			<10		0.88	<10	<0.04	B&C
4928B	24-Jul-87	823.09	535.48	6.8	70	550	8.0	290		720	7.40	87	25	36	4.3	<0.6	350	50	24	6.8			430	<0.05	<1	4			<20		<0.02	<20	<0.04	B&C
4928B	21-Oct-87	823.09	529.40	6.9	66	465	65.0	291		740	7.90	90	22	35	5.0	<0.6	370	50	21	6.4	0.25		430	<0.05	<1	<1			<20		0.20	<10	<0.04	B&C
4928B	29-Apr-88	823.09	523.37	8.6	66	455	25.0	260		710	7.80	82	31	31	4.2	<0.6	356	52	20	2.9	0.18		400	7.0	<1	3			<20		5.70	13	<0.004	B&C
4928B	28-Jul-88	823.09	521.77	7.4	68	335	25.0	336		680	7.50	85	20	30	3.9	<0.6	350	48	18	2.4	0.19		410	6.0	<1	4			<1		<0.02	<2	<0.04	B&C
4928B	08-Nov-88	823.09	515.47	7.3	66	680	20.0	400		740	7.20	83	25	51	4.7	<0.6	380	53	18	3.2	0.16		430	<3	<1	4			<1		0.04	<2	<0.04	B&C
4928B	07-Feb-89	823.09	511.00	6.6	66	670	23.0	372		680	7.30	85	24	36	4.6	<0.6	350	56	17	3.9	<0.02		400	<5	1	5			<1		2.20	3	<0.04	B&C
4928B	02-Apr-93	823.09	498.82	7.7	82.0	240	7	196		410	8.10	26	19	34	4.7	<0.6	230	24	19	<0.2			190	<6	0.90	<0.5			5		0.82	49	<0.04	B&C
4928B	22-Jun-93	823.09	502.46	7.6	69.0	500	45	300		690	7.00	70	26	39	6.2	<0.6	370	46	22	0.78			410	7.2	<1	1.7			1		14	24	<0.04	B&C
4928B	24-Aug-93	823.09	511.79		68.0	600	50	286		680	6.50	82	22	32	5.0	<0.6	370	46	17	3.4			390	<6	<1	2.0			<1		17	18	<0.04	B&C
4928B	19-Nov-93	823.09	517.50	7.6	67.0	550	33	320		690	7.10	93	25	37	5.5	<0.6	370	120	20	2.7			400	<6	<0.5	1.4			<1		82	3	<0.04	B&C
4928B	21-Feb-94	823.09	522.09	7.3	69.0	525	65	332		730	7.10	100	27	38	6.0	<0.6	430	46	22	<0.2	0.25		440		<0.5	<0.5			<1		87	13	<0.04	B&C
4928B	05-Aug-94	823.09	528.93	7.0	68.0	950		528		1000	6.80	130	35	39	6.0	<1	500	48	35	0.31	0.27		600		1.1	2.7			<3		7.9	17	<0.005	B&C
4928B	20-Feb-95	823.09	511.51	7.4	74.0	1000		NA		970	7.10	120	34	39	5.5	<0.6	550	32	38	<0.1	<0.05		580	6.9	2.7	<0.5			<5	<10	2.4	16	<0.04	B&C
4928B	24-Aug-95	823.09	527.45	7.0	72.0	800	137	524		1100	7.00	130	36	42	5.9	<10	550	45	26	30	<0.2		610	<6	1.3	4.8			<5	<10	18	14	<0.04	B&C
4928B	23-Feb-96	823.09	526.60	7.2	75.0	820	35	546		1400	6.80	190	54	52	6.5	<10	690	78	77	5.7	0.53		880	32.0	1.3	2.6			<1	<10	24	7.6	<0.04	B&C
4928B	23-Aug-96	823.09	525.61																															
4928B	11-Sep-96	823.09	NM	7.0	71.0	1000		595		1100	6.90	160	43	46	6.1	<0.6	630	50	44	27	0.31		760		1.4	5.6			<10	<10	<0.4	<50	<0.04	BCA
4928B	14-Feb-97	823.09	512.95	7.6	69.0	930	79	540		910	7.00	110	31	36	5.6	0	500	51	29	8.6	<0.2		560	15	1.1	4.2			<5	<10	0.063	<50	<0.04	VOC
4928B	26-Aug-97	823.09	505.13	7.1	71.5	1120	88	560		1000	6.60	150	41	45	6.4	0	600	48	38	6	0.21		660	34	0.78	2.5			<5	<10	0.27	<50	<0.04	VOC
4928B	12-Mar-98	823.09	492.50	7.0	73.6	1152		502		1110	7.00	97	35	81	9	<2.0	502	40	56	<0.1	0.5		802	<10	0.5	1.9			<5	<10	51.5	140	<0.04	AETL
4928B	21-Sep-98	823.09	509.2	7.3	69.6	835				1020	7.09	72	22	101	7.2	<2.0	438	57	39	6.2	0.3		618	<6	<0.5	1.6			<5	<10	44.5	<50	<0.04	AETL
4928B	30-Mar-99	823.09	509.34	6.9	72.6	1381		532		1310	7.13	154	<0.05	43.8	6.2	<2.0	600	53	55	1.3	0.3		789	<6.0	0.6	1.8			<5	<10	34.4	<50	<0.04	AETL
4928B	25-Aug-99	823.09	494.85	7.1	78.0	1240		628		1180	6.86	116	34	46	4.8	<2.0	548	67	40	6.6	0.3		754	<6.0	<0.5	1.9			<5	<10	0.33	<50	<0.04	AETL
4928B	10-Mar-00	823.09	DRY																															
4928B	09-Oct-00	823.09	DRY																															
4928B	29-Mar-01	823.09	DRY																															
4928B	25-Sep-01	823.09	DRY																															
4928B	05-Jun-02	823.09	DRY																															
4928B	27-Nov-02	823.09	DRY																															
4928B	30-May-03	823.09	DRY																															
4928B	10-Dec-03	823.09	DRY																															
4928B	08-Jun-04	823.09	DRY																															
4928B	17-Dec-04	823.09	DRY																															
4928B	09-Jun-05	823.09	DRY																															
4928B	15-Dec-05	823.09	DRY																															
4928B	08-Aug-06	823.09	DRY																															
4928B	20-Dec-06	823.09	DRY																															

Table 4

STRATHERN LANDFILL
GROUND WATER DATABASE

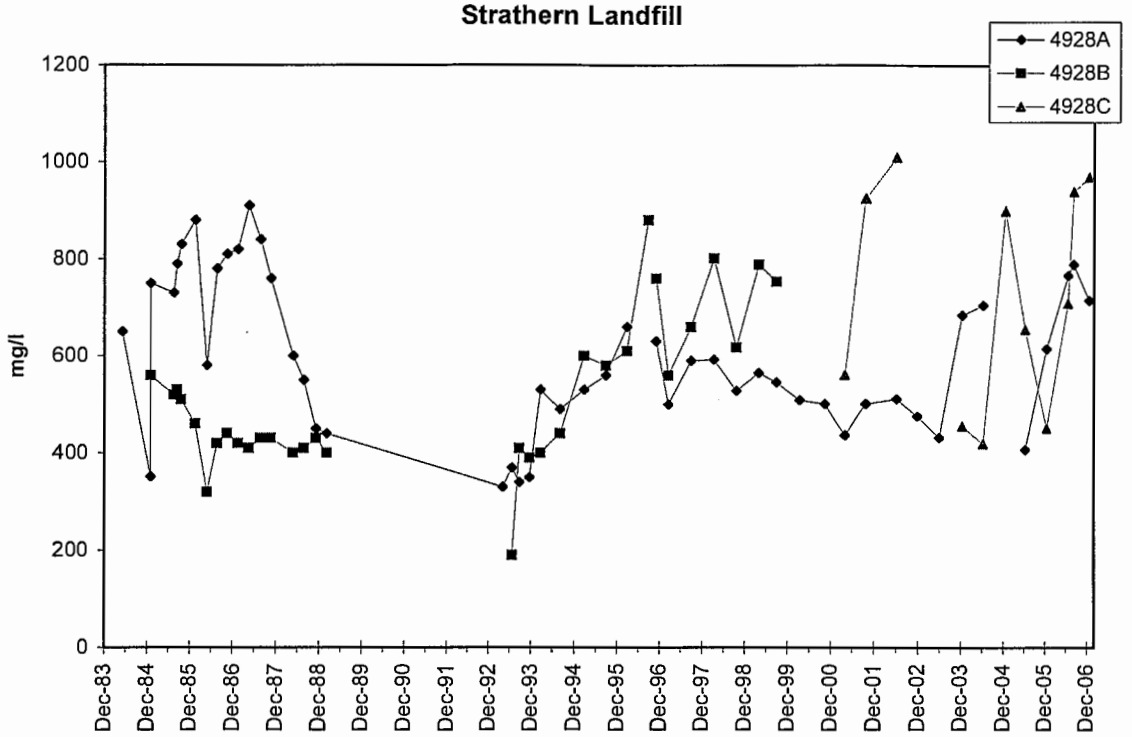
Source: Second 2006 Semi-Annual Groundwater Monitoring Report (July-December), Strathern Landfill, URS Corporation, January 26, 2007

PROJECT NO. 38001035.10001

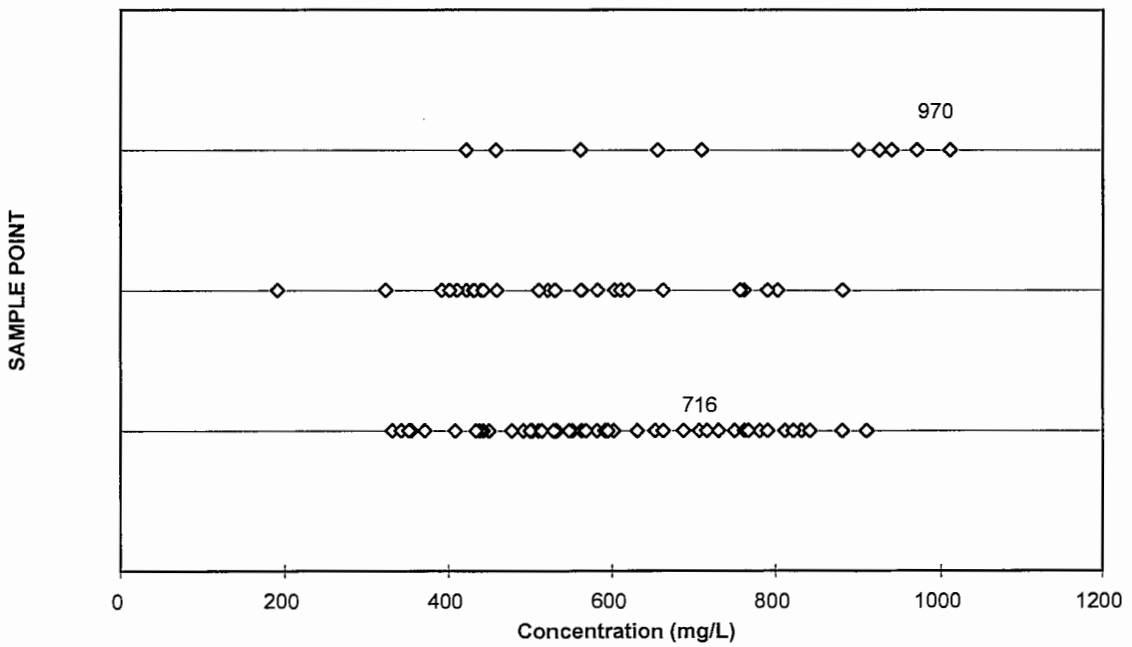
		WATER LEVEL		FIELD MEASUREMENTS						GENERAL MINERALS								GENERAL MINERALS (cont.)											METALS					
POINT	DATE	REF PT.	W S E	fpH	T(f)	fEC	CO2	fAlk	LAlk	EC	LpH	Ca	Mg	Na	K	CO3	HCO3	SO4	Cl	NO3	B	HARD	TDS	COD	TCE	PCE	BENZENE	VC	Cd	Cr	Fe	Pb	Ni	LAB SOURCE
	UNITS	FT. ASL		pH	°C	µmhos/cm	ppm	ppm	mg/L	µmhos/cm	pH	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	
	MCLs			6 - 9	<100	900	--	--		900	6 - 9	--	--	--	--	--	--	250	250	10	0.5	--	500	--	5	5	1	0.5	5	50	0.3	50	100	
4928C	20-Feb-95	823.37	512.30																															
4928C	24-Aug-95	823.37	526.72																															
4928C	23-Feb-96	823.37	528.98																															
4928C	23-Aug-96	823.37	526.79																															
4928C	14-Feb-97	823.37	514.27																															
4928C	26-Aug-97	823.37	507.48																															
4928C	12-Mar-98	823.37	493.57																															
4928C	21-Sep-98	823.37	510.16																															
4928C	30-Mar-99	823.37	510.22																															
4928C	25-Aug-99	823.37	494.57																															
4928C	10-Mar-00	823.37	476.92																															
4928C	09-Oct-00	823.37	483.18																															
4928C	29-Mar-01	823.37	486.11	6.68	76.8	954	45	472		897	7.31	114	27.7	35.7	5.9	<1	372	54	33	24	<0.1	416	561	<5.0	<0.25	2.9	<0.25	<0.25	<5	<10	2.44	<50	<0.01	AETL
4928C	25-Sep-01	823.37	486.62	7.50	70.7	1550	65	920		1560	7.32	190	46.6	43.6	7.1	<1	612	44.6	112	24.8	0.4	720	925	<5.0	0.4[J]	5.4	<0.25	<0.25	<10	20[J]	0.4	<50	<0.01	AETL
4928C	19-Jun-02	823.37	487.13	7.30	77.5	1699	115	824		1580	7.00	151	39.8	98.3	8.41	<1	670	39	25	19.5	0.9	800	1010	13	0.4[J]	8.9	<0.25	<0.25	<1	<10	<0.03	<8	<50	AETL
4928C	27-Nov-02	823.37	475.52																															
4928C	30-May-03	823.37	475.27																															
4928C	10-Dec-03	823.37	487.65	7.45	67.5	680	30	340		756	7.24	88.6	22.3	31.4	4.47	<1	290	62.8	31	21.7	0.285	332	456	12.4	0.8	6.4	<0.25	<0.25	<5	<10	<0.02	<15	<10	AETL
4928C	08-Jan-04	823.37	479.70																															
4928C	08-Jun-04	823.37	487.78	7.47	67.1	598	40	280		702	7.14	79.3	20.2	28.8	4.74	<1	272	62.4	24.0	6.82	0.283	302	420	7.78[J]	0.8	4.8	<0.25	<0.25	<5	14[J]	0.043[J]	<15	<10	AETL
4928C	24-Jun-04	823.37	487.78																															
4928C	17-Dec-04	823.37	486.57	7.14	66.9	1487	40	380		1,440	6.96	173	42.6	41.9	6.62	<1	600	28.1	48.7	2.85	0.438	680	900	<5.0	<0.25	6.5	<0.25	<0.25	<5	<10	<0.02	<50	<10	AETL
4928C	09-Jun-05	823.37	493.62	7.22	75.5	1160	66	250		1,065	6.95	134	32.7	40.1	6.19	<1	388	75.9	56.2	5.5	0.240	474	656	<5.0	0.67	5.25	<0.25	<0.25	<5	<10	<0.02	<15	<10	AETL
4928C	15-Dec-05	823.37	504.87	6.44	65.1	842	60	300		950	6.83	76.3	19.6	27.7	5.34	<1	220	74.2	24.4	3.65	0.195	294	452	<5	0.7	4.90	<0.25	<0.25	<5	<10	0.023	<15	<10	AETL
4928C	20-Jun-06	823.37	506.00	6.87	72.1	1050		300		1090	6.88	149	37.0	42.5	7.23	<1	488	64.4	47.6	3.4	0.255	508	710	<5	0.7	7.6	<0.5	<0.25	<5	<10	0.020	<15	<10	AETL
4928C	09-Aug-06	823.37	507.42	6.75	68.4	1330	72	300		1430	6.70	172	43.0	42.1	7.15	<1	544	50.7	79.2	4.3	0.354	680	940	<5	<0.25	3.79	<0.5	<0.25	<5	<10	0.037	<15	<10	AETL
4928C	20-Dec-06	823.37	512.67	6.85	66.7	1270			600	1470	7.23	181	43.8	44.7	8.47	<2	<2	45.6	61.1	5.15	0.394	680	970	<10	<0.50	9.34	<0.50	<0.50	<50	<50	<20	<100	<50	AETL

J = Analyte detected above the method detection limit (MDL) but below the practical quantitation limit (PQL)

Total Dissolved Solids History
Strathern Landfill



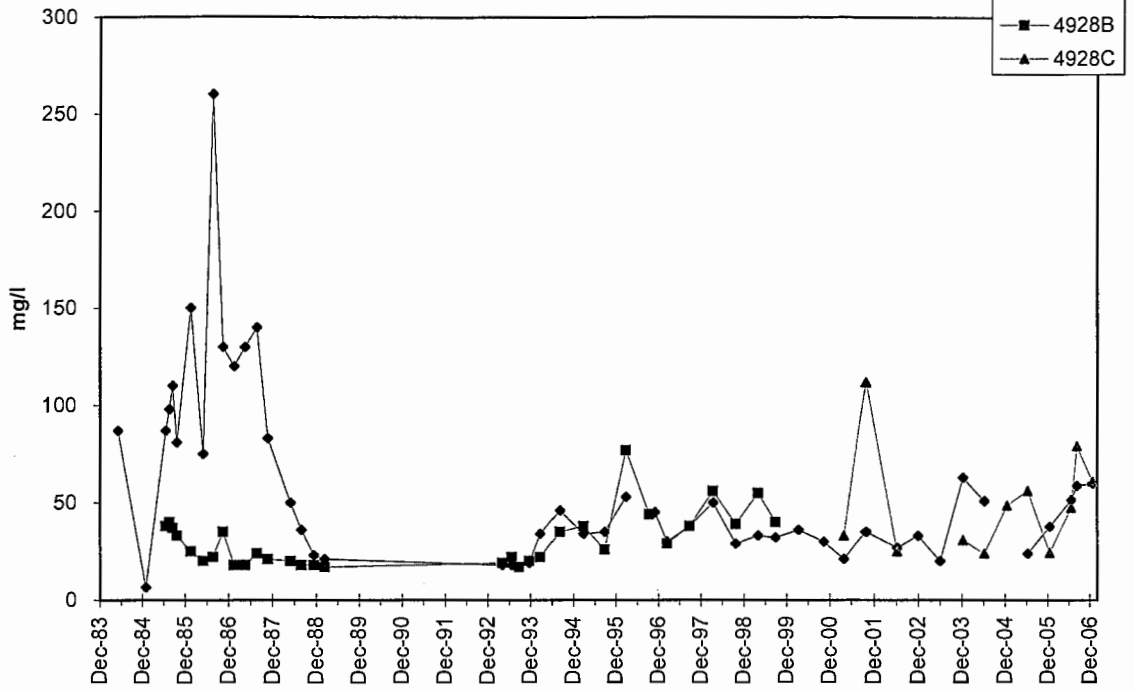
Total Dissolved Solids
Statistical Distribution



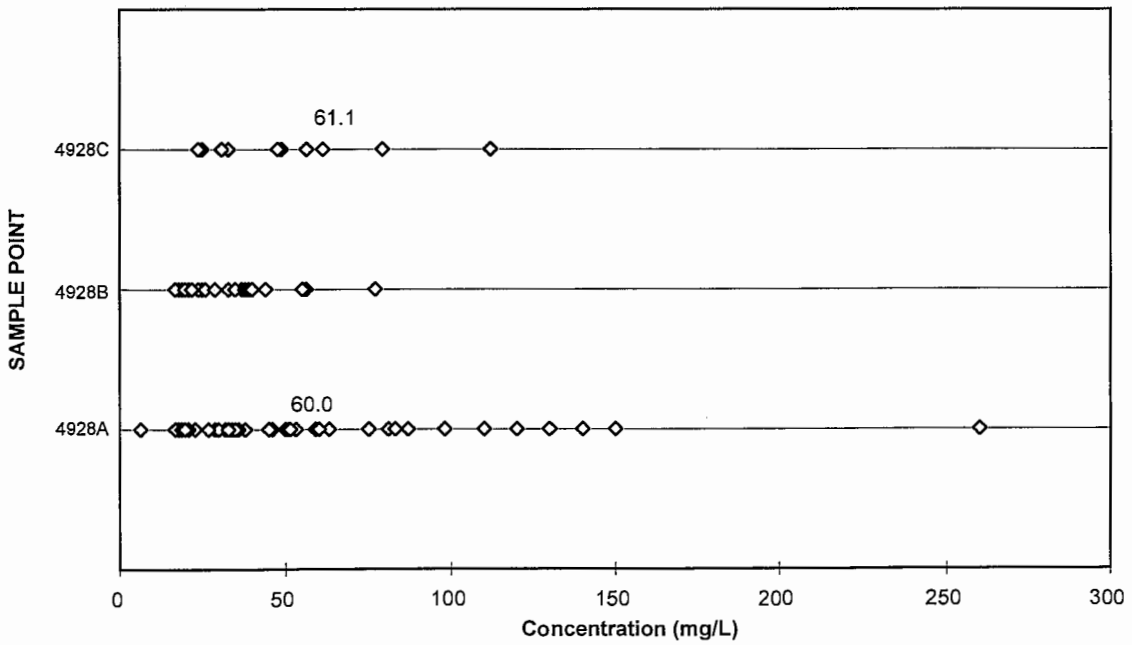
Data labels are for December 2006 sampling event.

URS

Chloride History
Strathern Landfill



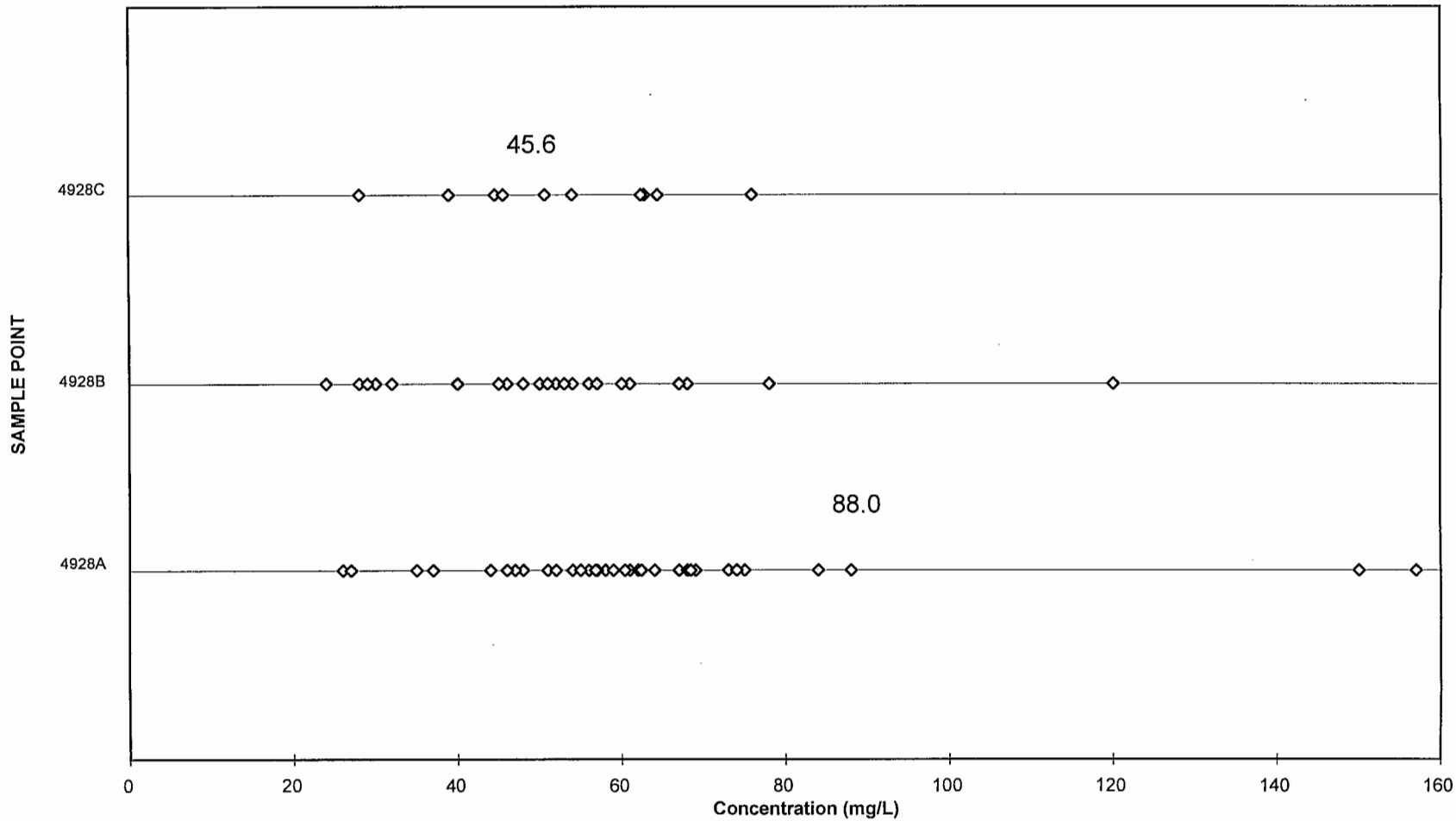
Chloride
Statistical Distribution



Data labels are for December 2006 sampling event.

URS

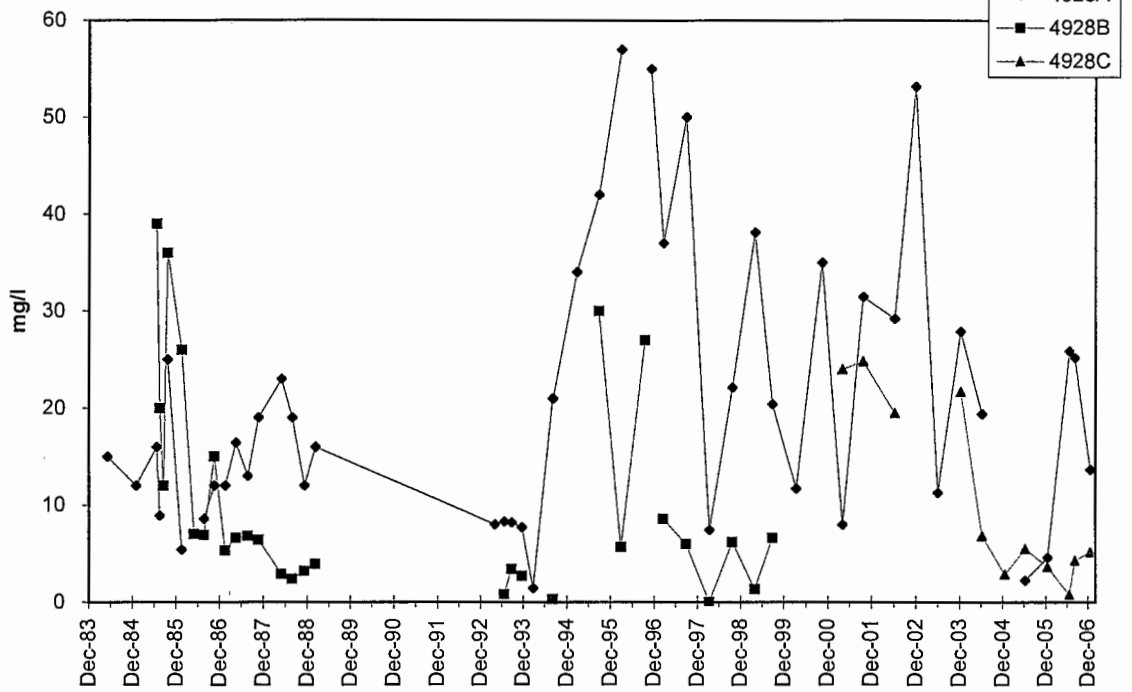
Sulfate
Statistical Distribution



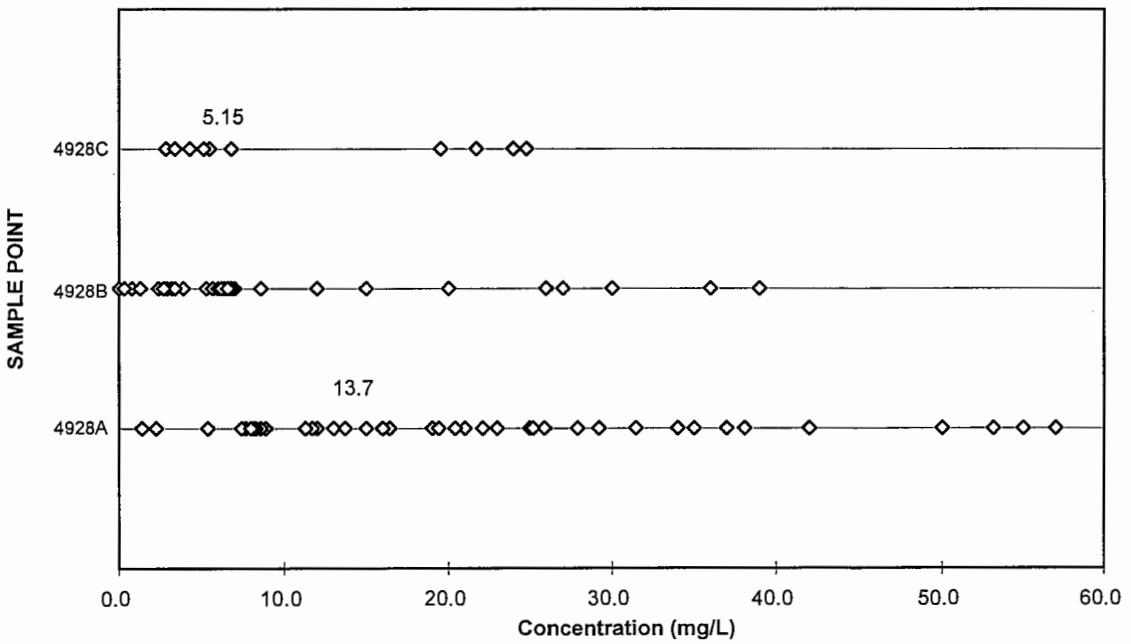
Data labels are for December 2006 sampling event.

URS

Nitrate History
Strathern Landfill

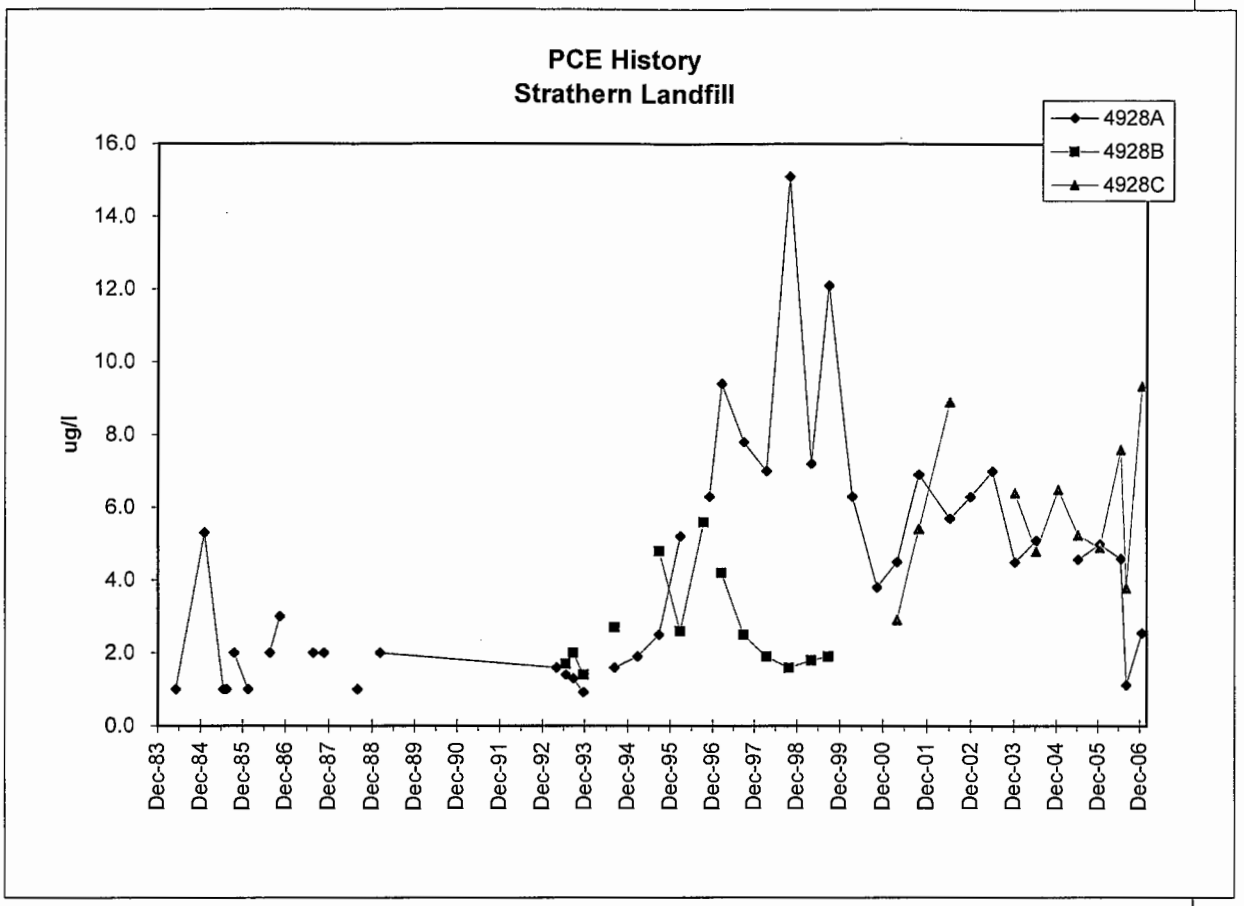


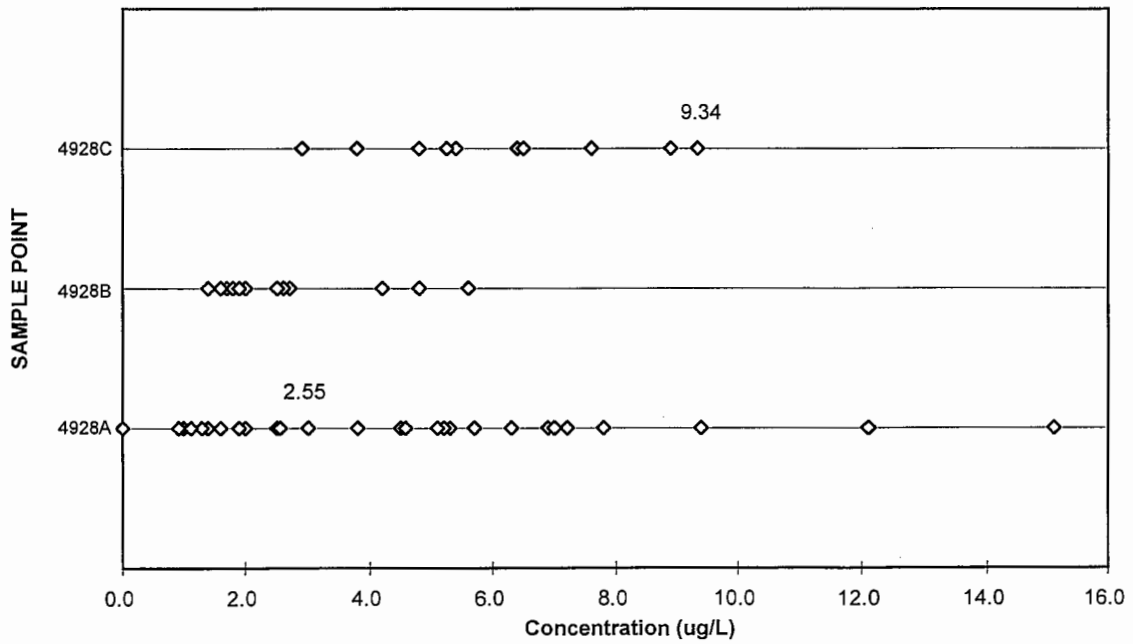
Nitrate
Statistical Distribution



Data labels are for December 2006 sampling event.

URS

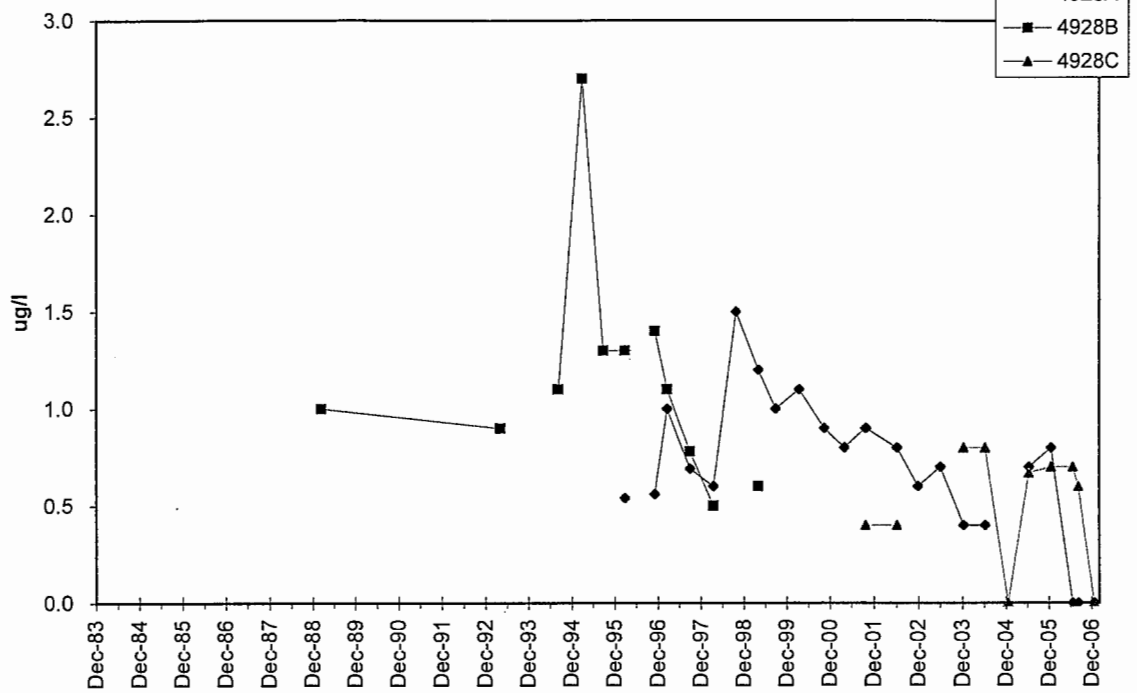




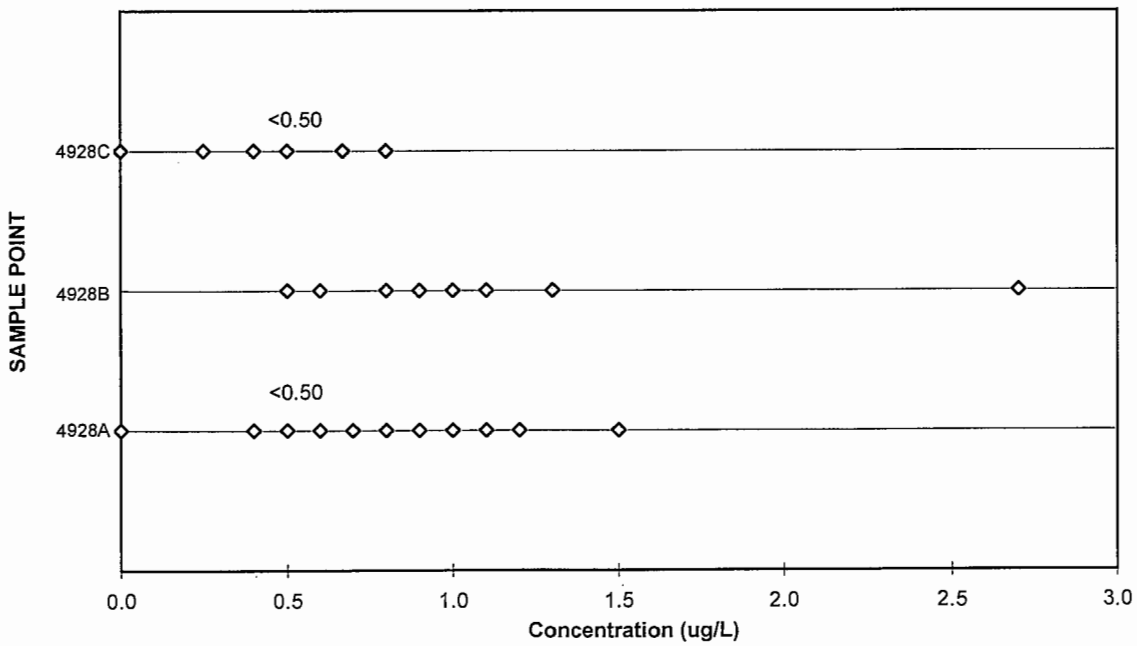
Data labels are for December 2006 sampling event.

URS

TCE History
Strathern Landfill

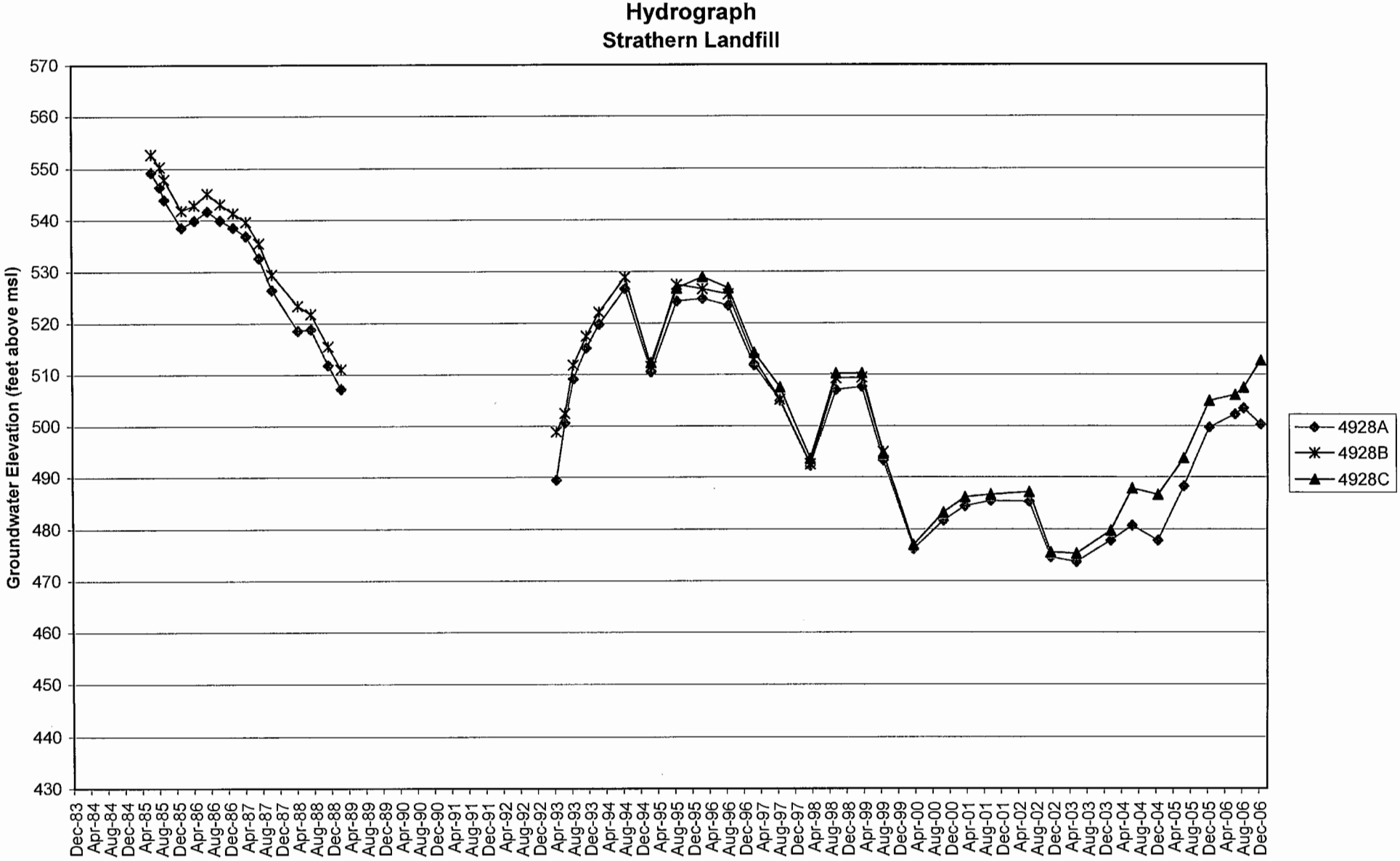


TCE
Statistical Distribution



Data labels are for December 2006 sampling event.

URS


Hydrograph
Strathern Landfill
Groundwater Elevation (feet above msl)
570
560
550
540
530
520
510
500
490
480
470
460
450
440
430
Dec-83
Apr-84
Aug-84
Dec-84
Apr-85
Aug-85
Dec-85
Apr-86
Aug-86
Dec-86
Apr-87
Aug-87
Dec-87
Apr-88
Aug-88
Dec-88
Apr-89
Aug-89
Dec-89
Apr-90
Aug-90
Dec-90
Apr-91
Aug-91
Dec-91
Apr-92
Aug-92
Dec-92
Apr-93
Aug-93
Dec-93
Apr-94
Aug-94
Dec-94
Apr-95
Aug-95
Dec-95
Apr-96
Aug-96
Dec-96
Apr-97
Aug-97
Dec-97
Apr-98
Aug-98
Dec-98
Apr-99
Aug-99
Dec-99
Apr-00
Aug-00
Dec-00
Apr-01
Aug-01
Dec-01
Apr-02
Aug-02
Dec-02
Apr-03
Aug-03
Dec-03
Apr-04
Aug-04
Dec-04
Apr-05
Aug-05
Dec-05
Apr-06
Aug-06
Dec-06
4928A
4928B
4928C

URS

Figure 3

TABLE 5: Emergent Chemicals
Third Quarter (September) 2007

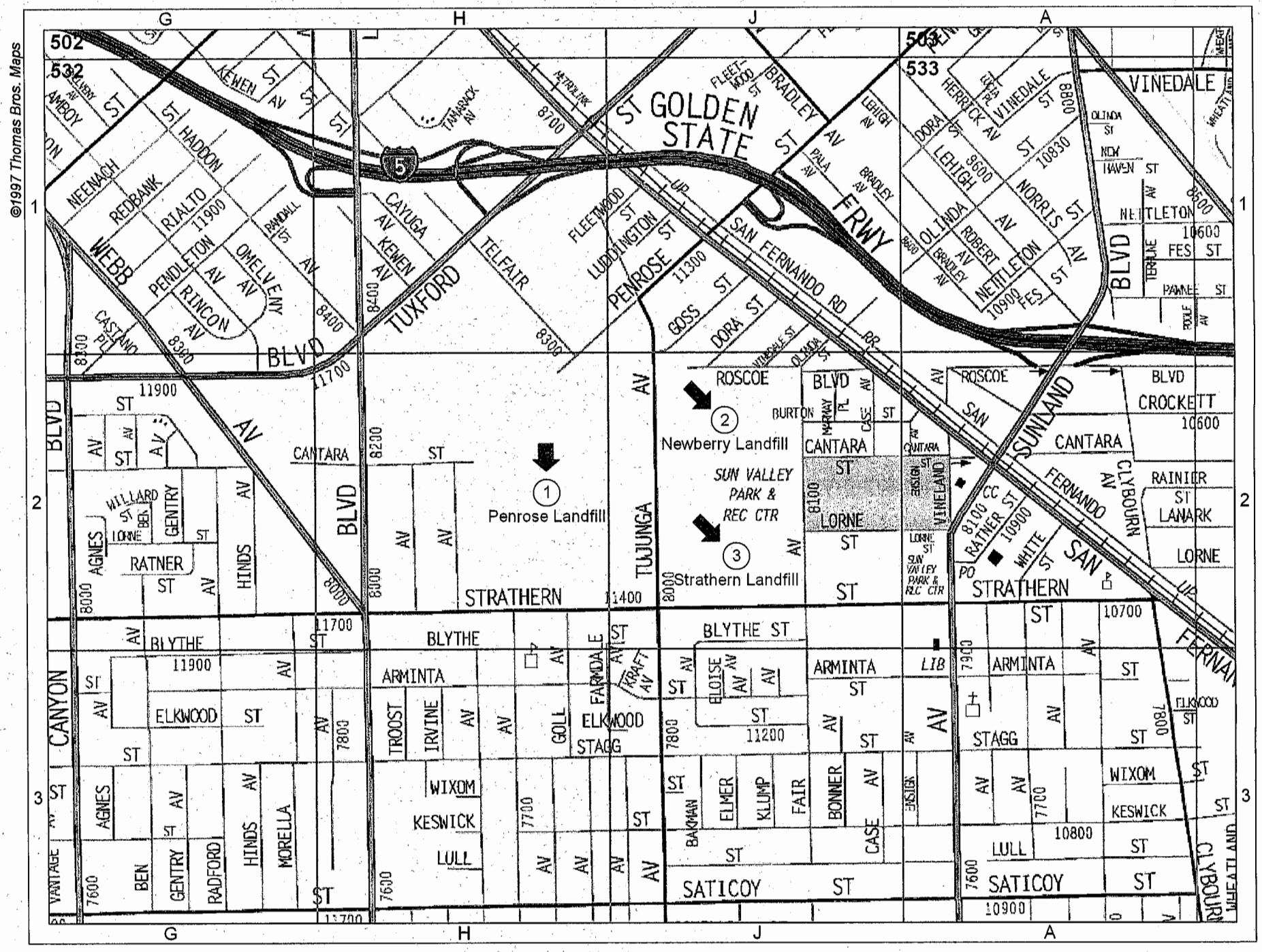
	Detection Limit		MW4918	MW4918B	MWDup[1]	MW4927	MW4928A	MW4928C
	MDL	PQL						
NDMA[2] (ng/L)	0.23	2.0	ND	ND	ND	ND	ND	ND
1,2,3-TCP (µg/L)	0.0015	0.005	ND	0.026	0.0085	ND	ND	ND
1,4-Dioxane (µg/L)	1.0	2.0	ND	24	24	ND	ND	ND
Perchlorate (µg/L)	0.30	2.0	ND	ND	ND	ND	1.5 J	ND
MTBE (µg/L)	0.24	2.0	ND	ND	ND	ND	ND	ND
Hexavalent Chromium[3] (µg/L)	0.144	1.0	0.28 J	0.31 J	0.23 J	0.38 J	1.08	1.19
	1. "MW-Dup" is a duplicate sample of MW4918B. 2. The Sept. 12, 2007 field blank "MWB" contained 1.1 J Ng/L NDMA. 3. The Sept. 11, 2007 field blank "MWB" contained 0.39 J µg/L hexavalent chromium. The Sept. 12, 2007 field blank "MWB" contained 0.52 J µg/L hexavalent chromium. ng/L = nanograms per liter or parts per trillion µg/L = micrograms per liter or parts per billion "J" = semi-quantitative results ND = None Detected at the Method Detection Limit ("MDL")							

TABLE 6: Historic Data for Emergent Chemicals
4th Quarter 2006 to 3rd Quarter 2007
Penrose, Newberry and Strathern Landfills

Well & Date Sampled	NDMA (ng/L)	1,2,3-TCP (ug/L)	1,4-Dioxane (ug/L)	Perchlorate (ug/L)	Chrome VI (ug/L)
MDL-PQL	0.23-2.0	0.0015-0.005	0.37 - 1.0	0.30 - 2.0	0.144 - 1.0
MW-4918					
4th Qtr. 2006	ND	ND	<2.0 [1]	2.2	ND
1st Qtr. 2007	ND	ND	1.53 J	ND	0.15 J
2nd Qtr. 2007	0.84 J	ND	ND	ND	0.24 J [2]
3rd Qtr. 2007	ND	ND	0.46 J	ND	0.28J [4]
MW-4918B					
4th Qtr. 2006	0.94 J	ND	<2.0 [1]	7.8	ND
1st Qtr. 2007	ND	0.0017J	5.18	ND	ND
2nd Qtr. 2007	0.54 J	ND	17.7	ND	ND
3rd Qtr. 2007	ND	0.026	24	ND	0.31J [4]
MW-4927					
4th Qtr. 2006	ND	ND	<2.0 [1]	ND	ND
1st Qtr. 2007	0.78 J	ND	ND	ND	0.25 J
2nd Qtr. 2007	ND	ND	ND	0.41 J	ND
3rd Qtr 2007	ND	ND	ND	ND	0.38J [4]
MW-4928A					
4th Qtr. 2006	ND	ND	<2.0 [1]	ND	0.68 J
1st Qtr. 2007	0.65 J	ND	ND	ND	1.20
2nd Qtr. 2007	0.59 J	ND	ND	0.93 J [3]	1.14
3rd Qtr. 2007	ND	ND	ND	1.5 J	1.08 [5]
MW-4928C					
4th Qtr. 2006	ND	ND	<2.0 [1]	ND	0.51 J
1st Qtr. 2007	ND	ND	ND	1.4 J	1.07
2nd Qtr. 2007	0.42 J	ND	ND	18	1.27
3rd Qtr. 2007	ND	ND	0.55 J	ND	1.19 [5]

1. MDL = 2.0 µg/L for Dec. 2006 and Jan. 2007 sampling events.
2. The June 4, 2007 equipment blank "MWB" contained 0.18 J µg/L Cr VI.
3. The June 5, 2007 equipment blank "MWB" contained 0.84 J µg/L perchlorate.
4. The Sept. 11, 2007 field blank "MWB" contained 0.39 J µg/L Cr VI.
5. The Sept. 12, 2007 field blank "MWB" contained 0.52 J µg/L Cr VI.

FIGURES



② *Newberry Landfill: Tujunga Av, Sun Valley, 91352, 532 J2*
① *Penrose Landfill: Tujunga Avenue, Sun Valley, 91352, 532 H2*

③ *Strathern Landfill: Tujunga Avenue, Sun Valley, 91352, 532 J2*

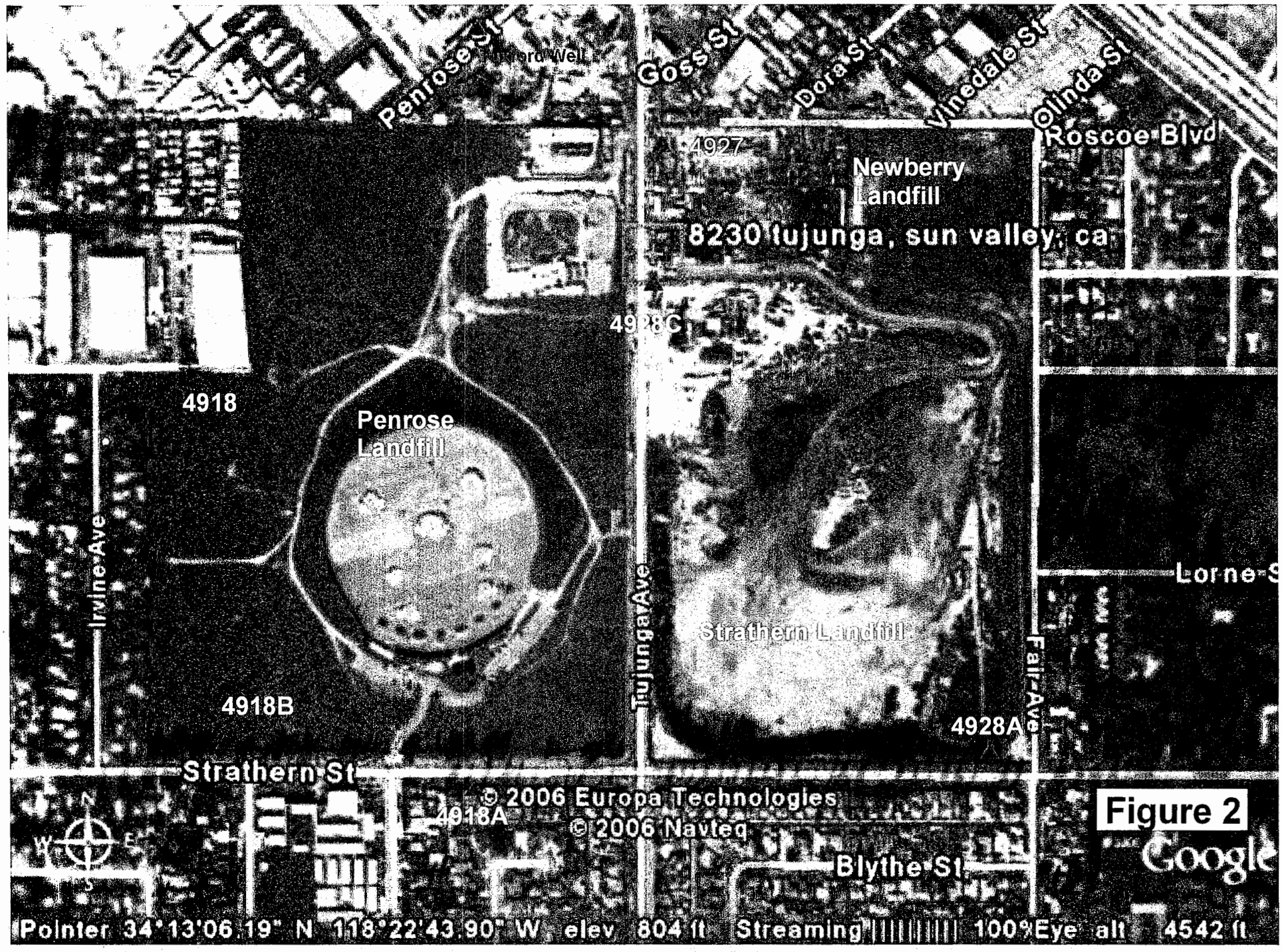
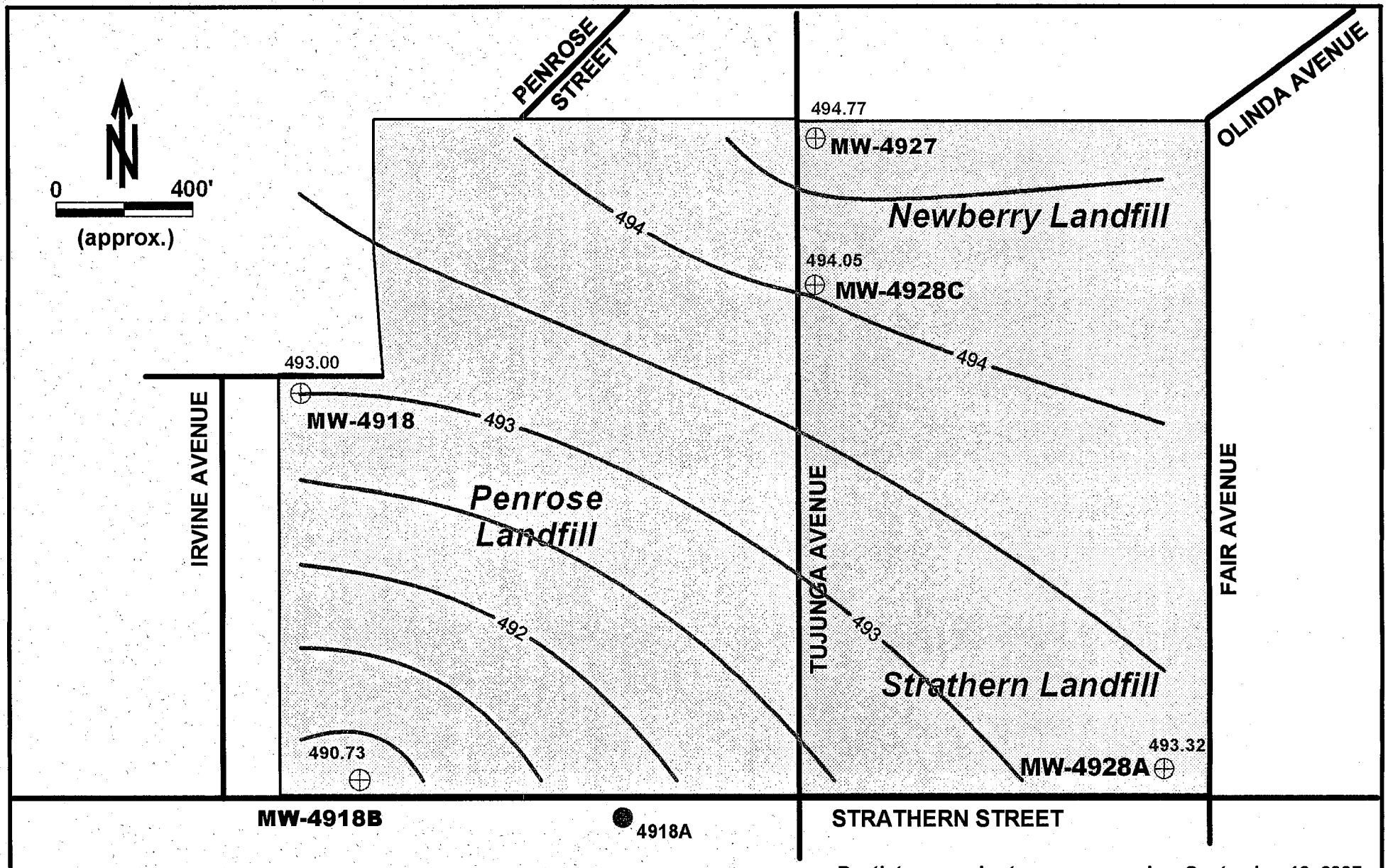

Penrose St
Goss St
Dora St
Vinedale St
Olinda St
Roscoe Blvd
4927
Newberry
Landfill
8230 lujunga, sun valley, ca
4928C
4918
Penrose
Landfill
Irvine Ave
Tujunga Ave
Strathern Landfill
Fair Ave
Lorne S
4918B
4928A
Strathern St
4918A
© 2006 Europa Technologies
© 2006 Navteq
Blythe St
Google
Pointer 34°13'06.19" N 118°22'43.90" W elev 804 ft Streaming 100% Eye alt 4542 ft

Figure 2



Depth to groundwater re-measured on September 18, 2007

MW-4918B
⊕ Monitoring Well Locations and Identification (Targhee, September 2007)

4918A
● Other Monitoring Wells

TARGHEE, INC.
ENVIRONMENTAL CONSULTING
110 Pine Avenue, Suite 925
Long Beach, CA 90802-4426
(562) 435-8080 FAX (562) 590-8795

GROUNDWATER ELEVATIONS
3rd Quarter 2007

Penrose, Newberry & Strathern Landfills
8230 Tujunga Avenue, Sun Valley, CA 91352

FIGURE 3	OCTOBER 31, 2007

APPENDIX A

368

9/10 329.07'

WELL SAMPLING DATA LOG

PROJECT: LA By Products Penrose

DATE: ~~03/14/06~~ 9/11/07 **WELL NO:** 4918 **SAMPLER:** CFL

WELL DATA:

Total Depth: ~~See Below~~ ~358.2' **Date/Time Measured:** 9:40 9/11/07

Depth to Water: 330' 3/4" **Date/Time Measured:**

pH **Volume of Water in Well:** 28' **Feet,** 2.6 **Gallons/ft** ~~73 gal/ft~~

Well Depths: ~10 gpm 330.06'

WELL PURGING DATA:

Purging Method: Sub. Pump **Volume of Water Purged:** ~~180 gal~~ 225 gal

Time Started: 10:05 **Time Completed:**

Parameters:

	Initial Reading	First Volume	Second Volume	Third Volume	Fourth Volume	Fifth Volume
Time	10:07	10:16	1025	1033		
Temperature	74.0	~~72.0~~ 71.1	69.2	68.9		
Conductivity	1.49	1.46	1.48	1.49		
PH	6.82	6.80	6.81	6.80		
Turbidity			11.0	4.66		

Equipment Used: Hanna Temperature-Conductivity-pH tester
LaMotte Model 2008 Turbidity Meter

SAMPLE COLLECTION DATA:

Sample Containers: See CofC

Analyses Performed: See CofC 1040

Water Quality: good

9/18 319.18'

WELL SAMPLING DATA LOG

PROJECT: LA By Products Penrose

DATE: ~~03/14/06~~ 9/11/07 **WELL NO:** 4918B **SAMPLER:** CFL

WELL DATA:

Total Depth: ~369 ~~See Below~~ **Date/Time Measured:** 1145 9/11/07

Depth to Water: 319' 4 1/8" **Date/Time Measured:** 9/11/07

Volume of Water in Well: 50 Feet, 26 Gallons/vol 130 gal

Well Depths:

WELL PURGING DATA: 9.7 gal/min 8.5 gal/min 319.34'

Purging Method: Sub. Pump **Volume of Water Purged:** 400 gal

Time Started: 1220 **Time Completed:**

Parameters:

	Initial Reading	First Volume	Second Volume	Third Volume	Fourth Volume	Fifth Volume
Time	1222	1240	1252	1304		
Temperature	79.4	77.1	76.9	76.7		
Conductivity	1.59	1.60	1.60	1.60		
PH	6.75	6.82	6.79	6.80		
Turbidity				2.39		

Equipment Used: Hanna Temperature-Conductivity-pH tester
LaMotte Model 2008 Turbidity Meter

SAMPLE COLLECTION DATA:

Sample Containers: 1310 4918B

Analyses Performed: 1315 MW-Dup

Water Quality: 1320 MS-MSD

9/18 332.38'

WELL SAMPLING DATA LOG

PROJECT: LA By-Products Newberry LF

DATE: ~~09/14/06~~ **WELL NO:** 4927 **SAMPLER:** CFL

WELL DATA:

Total Depth: 357.12' ~~See Below~~ **Date/Time Measured:** 8:10 9/11/07

Depth to Water: 333' 2" **Date/Time Measured:**

Volume of Water in Well: 24' **Feet,** 2.6 **Gallons** ~~Gal~~ 65 gal Vol

Well Depths: 333.17'

WELL PURGING DATA:

Purging Method: Sub. Pump **Volume of Water Purged:** 200 gal

Time Started: 8:16 ~10gpm **Time Completed:**

Parameters:

	Initial Reading	First Volume	Second Volume	Third Volume	Fourth Volume	Fifth Volume
Time	8:17	8:24	831	838		
Temperature	70.9	68.8	68.0	67.8		
Conductivity	1.18	1.22	1.22	1.21		
PH	6.77	6.81	6.80	6.80		
Turbidity				4.32		

Equipment Used: Hanna Temperature-Conductivity-pH tester
LaMotte Model 2008 Turbidity Meter

SAMPLE COLLECTION DATA:

Sample Containers: See Chain of Custody (20 total)

Analyses Performed: See Chain of Custody

Water Quality: good

4927 9:40

MWB 805

9/18 310.15'

WELL SAMPLING DATA LOG

PROJECT: Strathern – Lot Byproducts

DATE: ~~03/14/06~~ 9/12/07 **WELL NO:** 4928A **SAMPLER:** CFL

WELL DATA:

Total Depth: ~~See Below~~ 433 **Date/Time Measured:** 9/12/07

Depth to Water: 310' 3 1/8" **Date/Time Measured:**

Volume of Water in Well: 123' Feet, 320 Gallons/well

Well Depths: ~20gpm

310.26'

WELL PURGING DATA:

Purging Method: Sub. Pump **Volume of Water Purged:** ~900 gall

Time Started: 845 **Time Completed:**

Parameters:

	Initial Reading	First Volume	Second Volume	Third Volume	Fourth Volume	Fifth Volume
Time	845	900	~~940~~	955		
Temperature	72.6	68.9	68.7	68.5		
Conductivity	1.15	1.14	1.13	1.12		
PH	7.18	7.31	7.29	7.28		
Turbidity			3.19	1.71		

Equipment Used: Hanna Temperature-Conductivity-pH tester
LaMotte Model 2008 Turbidity Meter

SAMPLE COLLECTION DATA:

Sample Containers: See Col C

Analyses Performed: See Col C

Water Quality: good

9:10 – 500+ gallons – stop to empty trailer

9:35 – restart

10:00

9/18 327.41'

WELL SAMPLING DATA LOG

PROJECT: Strathern LF LA By Products

DATE: ~~03/14/06~~ 9/12/07 **WELL NO:** 4928C **SAMPLER:** CFL

WELL DATA:

Total Depth: ~~See Below~~ 375 **Date/Time Measured:** 9/12/07

Depth to Water: 327' 5 7/8" **Date/Time Measured:** 8"

Volume of Water in Well: 48' Feet, 116 Gallons 100'

327.49'

Well Depths: ~ 20 gpm

WELL PURGING DATA:

Purging Method: Sub. Pump **Volume of Water Purged:** 350 gal +

Time Started: 740 **Time Completed:** 810

Parameters:

	Initial Reading	First Volume	Second Volume	Third Volume	Fourth Volume	Fifth Volume
Time	740	747	754	800		
Temperature	73.5	70.6	69.5	69.7		
Conductivity	1.43	1.49	1.48	1.47		
PH	6.87	~~7.07~~	6.95	6.96		
Turbidity		6.94		1.41		

Equipment Used: Hanna Temperature-Conductivity-pH tester
LaMotte Model 2008 Turbidity Meter

SAMPLE COLLECTION DATA:

Sample Containers: See CofC

Analyses Performed: See CofC

805

Water Quality: Good

TARGHEE, INC.

ENVIRONMENTAL CONSULTING

Tailgate Safety Meeting

Date: 9/11/07 **Project: Los Angeles By-Products GW Monitoring** **Time:** 710

Project Manager: Charles Lindeman, Targhee, Inc.

Location: Penrose, Newberry, Strathern Landfills **Site Contact:** Marty 818 4197213

Ambulance/Hospital/Paramedics/Fire/Police - Dial 911

****

Chemicals Involved (if any): acids/alkalis, ZnAc, chlorinated solvents

Hazards: **Trace concentrations, none anticipated**, avoid skin contact

Physical Hazards: **Slip, trip, fall, lifting, fork lifts, vehicles, head bump, noise**

PPE: **Level D** Work Zone: **10 feet around monitoring well**

Evacuation Route: North or south on Tujunga to corner of Tujunga & Penrose or Tujunga & Strathern

Evacuation Reporting Area: **Corner of Tujunga & Penrose or Tujunga & Strathern**
Emergency Telephone Numbers/Hospital Address (SEE BACK OF THIS FORM) **Call 911**

****

Name: (Please Print)	Signature:
Dennis Aguilar	[signature]
Roy Munoz	[signature]
Marty [signature]	
Charles Lindeman	[signature]

TARGHEE, INC.

ENVIRONMENTAL CONSULTING

Tailgate Safety Meeting

Date: 9/12/07 **Project: Los Angeles By-Products GW Monitoring** **Time:** 7:30

Project Manager: Charles Lindeman, Targhee, Inc.

Location: Penrose, Newberry, Strathern Landfills **Site Contact:** Marty 818-449-7213

Ambulance/Hospital/Paramedics/Fire/Police - Dial 911

****

Chemicals Involved (if any): acids/alkalis, ZnAc, chlorinated solvents

Hazards: **Trace concentrations, none anticipated**, avoid skin contact

Physical Hazards: **Slip, trip, fall, lifting, fork lifts, vehicles, head bump, noise**

PPE: **Level D** Work Zone: **10 feet around monitoring well**

Evacuation Route: North or south on Tujunga to corner of Tujunga & Penrose or Tujunga & Strathern

Evacuation Reporting Area: **Corner of Tujunga & Penrose or Tujunga & Strathern**

Emergency Telephone Numbers/Hospital Address (SEE BACK OF THIS FORM) **Call 911**

****

Name: (Please Print)	Signature:
Charle Lindeman	
Abel Guzman	
GERARD AMELUXEN	

PRECISION DIE & STAMPING

11519 Tuxford Street

Department of Toxic Substances Control

Linda S. Adams
Secretary for
Environmental Protection

Maziar Movassaghi, Acting Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Arnold Schwarzenegger
Governor

Facility Search Results

Search Criteria:

Street: 11519 TUXFORD

Sorted By: EPAID.NAME

ID's Listed:

Address used in the search and displayed below is the Physical Address.

ID Number	Name	Address	Citv	Zip

No Data Found

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION
107 SOUTH BROADWAY, SUITE 4027
LOS ANGELES, CALIFORNIA 90012-4596
(213) 620-4460

GEORGE DEUKMEJIAN, Governor

March 27, 1987

PRECISION DIE & STAMPING
11519 TUXFORD ST.
SUN VALLEY, CA 91352

MANDATORY CHEMICAL STORAGE AND USE QUESTIONNAIRE (FILE NO. 104.0863)

The California Regional Water Quality Control Board, Region 4, is the public agency with primary responsibility for the protection of ground and surface water quality for all beneficial uses within the region.

As part of the statewide monitoring program (AB1803) being conducted under the direction of the California Department of Health Services, ground water wells in your area have been sampled. The results of the sampling indicate the presence of organic contaminants in the ground water.

Your facility is geographically within the area of concern and may be engaged in practices which might require the storage and use of chemicals such as solvents, oils, fuels, etc. Therefore, pursuant to Section 13267(b) of the California Water Code, you are requested to complete the attached questionnaire to provide information on past or present chemical storage or use at your facility. In addition to completing the questionnaire, specify the type of sewer system (private, municipal, industrial) used at your site. Please return the completed questionnaire to the Regional Board by April 22, 1987. The return of this questionnaire, properly signed, is required even if no chemical is stored or used at your facility. If you are new owners, complete the questionnaire to the best of your ability and provide available data concerning the past owners including contact and phone number.

If your facility is currently conducting or has in the past conducted an investigation associated with soil or ground water contamination, please include a copy of the findings or relevant information along with the questionnaire.

If you have any questions, please call either Jon Bishop at (213) 620-2997, Philip Chandler at (213) 620-2385 or Roy Sakaida at (213) 620-4699.

Hank Yacoub
Supervising Water Resource
Control Engineer

Enclosures

PRECISION DIE & STAMPING

11533 Tuxford Street

Linda S. Adams
Secretary for
Environmental Protection

Department of Toxic Substances Control

Maziar Movassaghi, Acting Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Arnold Schwarzenegger
Governor

EPA ID PROFILE

ID Number: CAX000085043 **Name :** PRECISION DYE

Status: INACTIVE **Inactive Date:** 06/30/1998 **Record Entered:** 06/19/1984 **Last Updated:** 11/19/2001

County: LOS ANGELES **NAICS:** **SIC:**

	Name	Address	City	State	Zip Code	Phone
Location	PRECISION DYE	11533 TUXFORD ST	SUN VALLEY	CA	913520000	
Mailing		11533 TUXFORD ST	SUN VALLEY	CA	913530000	
Owner	--	--	--	99	--	0000000000
Operator/ Contact	--	INACTIVE PER FEE FORM 6/93	SUN VALLEY	CA	913520000	8187675660

Based ONLY upon ID Number **CAX000085043**

Calif. Manifests ?	Non Calif. Manifests ?	Transporter Registration ?
NO	NO	NO

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

Linda S. Adams
Secretary for
Environmental Protection

Department of Toxic Substances Control

Maziar Movassaghi, Acting Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Arnold Schwarzenegger
Governor

EPA ID PROFILE

ID Number: CAD981379514 **Name :** PRECISION DIE & STAMPING, INC

Status: INACTIVE **Inactive Date:** 02/01/1995 **Record Entered:** 06/17/1988 **Last Updated:** 04/02/2001

County: LOS ANGELES **NAICS:** **SIC:**

	Name	Address	City	State	Zip Code	Phone
Location	PRECISION DIE & STAMPING, INC	11533 TUXFORD ST	SUN VALLEY	CA	913520000	
Mailing		11533 TUXFORD ST	SUN VALLEY	CA	913520000	
Owner	--	--	--	99	--	0000000000
Operator/ Contact	CANCEL PER SURVEY 2-1-95 LC	--	--	99	--	--

Based ONLY upon ID Number **CAD981379514**

Calif. Manifests ?	Non Calif. Manifests ?	Transporter Registration ?
YES	NO	NO

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

Calif. Manifest Counts and Total Tonnage

Top line represents Manifest Count and Bottom line represents Total Tonnage

	GENERATOR
1994	1 0.9814

Non California Manifest Total Tonnage

Waste Code By Year By Entity Matrix Report (based on California Manifests only)

Calif.	Generator	Transporter 1	Transporter 2	TSDF	Alt. TSDF
RCRA	Generator	Transporter 1	Transporter 2	TSDF	Alt. TSDF

RCRA Waste Code By Year Matrix Report

ID Number: CAD981379514

Entity Type: GENERATOR

Weight (in Tons)

RCRA Code	Description	*Ship Years* 1994
	Blank/Unknown	**0.6270**
F002	Halogenated solvents	**0.3544**
	Grand Total	**0.9814**

California Waste Code By Year Matrix

ID Number: CAD981379514

Entity Type : GENERATOR

Weight (in Tons)

Ship Years

Calif. Code	Description	1994
221	WASTE OIL AND MIXED OIL	0.6270
741	LIQ W/ HALOG ORGANIC COMP >= 1000 MG/L	0.3544
	Grand Total	**0.9814**

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
CAX000085043	P1611O		

3. Generator's Name and Mailing Address
Precision Die & Stamping, 11533 Tuxford
Sun Valley, CA 91352
4. Generator's Phone (818) 767-5660

A. State Manifest Document Number: 90419690
B. State Generator's ID:

5. Transporter 1 Company Name: Baron-Blakeslee
6. US EPA ID Number: CAD980892442
C. State Transporter's ID: 211963
D. Transporter's Phone: 213-640-9732

7. Transporter 2 Company Name: Orange Co. Chemical
8. US EPA ID Number: CAD029363876
E. State Transporter's ID: 210891
F. Transporter's Phone: 714-546-9901

9. Designated Facility Name and Site Address:
Baron-Blakeslee
8333 Enterprise Drive
Newark, CA 94560
10. US EPA ID Number: CAD074644659
G. State Facility's ID: CAD074644659
H. Facility's Phone: 415-794-6511

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste 1,1,1-Trichloroethane Mixture, ORM-A, UN2831	003	DM	00154	G	State 211 / EPA/Other F001
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. L/T Trichloroethane 10%
Oil 90%

K. Handling Codes for Wastes Listed Above
a. T4 b.
c. d.

15. Special Handling Instructions and Additional Information
Appropriate protective clothing and respirators. 24 Hour Emergency Number
818-353-2070, Joe Brey
Emergency Response Guide Page: 74

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Joseph G. Brey	Joseph G Brey	06/18/91

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Michael Childs	Michael Childs	06/18/91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Fred Barela		06/19/91

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Month Day Year
Paul Brady	Paul Brady	06/21/91

GENERATOR / TRANSPORTER / FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

90419690

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

0095 .0086

INDUSTRY SURVEY

Los Angeles County Fire Department • Prevention Services
Health Hazardous Materials Division

FA# 9 9 4 1 7 1 | Code 1 0 0 | SIC# 3 4 6 9 | EPA#

DBA Precision Die & Stamping | Phone

Owner COSTABILE, BEN | Interviewed Juan Chavez / Mark Rubio

Partner | Title Employee

Address 11533 Textford ST | Product/Service machine shop

| City SNV | Zip 9 1 3 5 2

Mailing Same | Start Date 1982 | # of employees 4

# of shifts 1 | Operating hours 6AM - 3:30

Viol Rank	CA Waste Code	1 211	2 352	3	4
☐ HWUT	Amt (PGT) Pounds, Gallons, Tons, per quarter	10G	10P		
☐ HRF	Mtl/Qty				

Referrals ☐ AQMD ☐ B&S ☐ Fire ☐ IW ☐ OSHA ☐ SDHS ☐ _____

Viol 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 99

Visit Date	Start Time	Insp	Action	Time Invested	Special Circumstances
07/13/94	14:00	032	I/O	1:15	
/ /	:			:	
/ /	:			:	
/ /	:			:	

Signature(s) David Bartos

Action codes: A-Abate C-Complaint E-Enforce H-Hearing I-Insp M-Misc Mtg N-NOV O-no viol P-PHI Inv R-Revisit S-Sample T-Time ext X-other Z-warrant

(Ear Plugs not in use) -

1) Large Press

Lubricant - oil 15 gal

1) Vapor Degreaser (not in use)

Soap 15 gal/drum

!!! Trichloroethane - empty drum

2) Tumbler unit

D. Rust units (2) not in use

4) Drills

— chemicals only waste

— Oil change for the UBH is every 3-5 years

3) Large Bruderer Press Machine: Lubricant oil

— metal stamping — sheet metal — mold — cutting — cleaning — spot

welding — bending — welding — sheet metal machining

Lubricant oil — in the form applied by hand — wiping — shop towels

COUNTY OF LOS ANGELES DEPARTMENT OF HEALTH SERVICES
HAZARDOUS WASTE CONTROL PROGRAM

SIC. 3469 DATE: 2/4/86

COMPANY NAME	STREET	CITY & ZIP	DISTRICT
~~PER~~ PRECISION DIE	11533 Tuxford St.	Sun Valley 91352	
OWNER	PERSON INTERVIEWED & TITLE	PHONE NO. (818) 767-5660	NO. EMPLOYEES
Ben Costabile	Mark Robles Foreman	EMERGENCY NO.	4

L.A. CO. PHL NO.	INDUSTRIAL WASTE NO.	EPA NO.
100-494171		

TYPE OF FACILITY & DESCRIPTION OF OPERATION/PRODUCTS: Metal Stamping

SAFETY SHOWER NO
EATING AREA NO
TOILET & WASHING FACILITIES ADEQUATE Yes
PLANT SANITATION ADEQUATE Yes

HAZARDOUS WASTE

PROCESS	MATERIAL	TYPE	VOL/LBS	STORAGE METHOD	DISPOSAL METHOD	MANIFEST	CONTROL	I.H. HAZARD
Cutting	Cutting Oil	Perchloroethylene	not known	Drum	Shipped back to the Company who sell it to them (Recycled)	None Shown	Ventilation	Flammable Toxic
Bending								
Pulling								
Degreasing	Perchloroethylene							
Lathing								
Tank lift maintenance	—							

NUMBER OF UNDERGROUND STORAGE TANKS: NO
VOLUME & TYPE OF WASTE IN UNDERGROUND TANK(S): N/A
PRIVATE DISPOSAL SYSTEMS ON PREMISES: YES ___ NO X

ACCESS TO STORM INLET ON PREMISES: Yes ___ No X
CHLORINATED HYDROCARBON USED: YES X NO ___
SEWER CONNECTION ON PREMISES: YES X NO ___

REMARKS: 3 Bldg

VIOLATIONS:

INFORMATION: ACTION: AML SURVEY CONDUCTED BY: [illegible]

PRIME PLATING

11321 Goss Street

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
ENVIROSTOR

PRIME PLATING, INC. (71002896)

SIGN UP FOR EMAIL ALERTS

11321 GOSS STREET
SUN VALLEY, CA 91352
LOS ANGELES COUNTY
SITE TYPE: TIERED PERMIT

SUPERVISOR:
OFFICE: CLEANUP CHATSWORTH

Site Information

CLEANUP STATUS
NO ACTION REQUIRED AS OF 12/22/1997

SITE TYPE: TIERED PERMIT	**ENVIROSTOR ID:**	71002896
NATIONAL PRIORITIES LIST: NO	**SITE CODE:**	
ACRES: NONE SPECIFIED	**SPECIAL PROGRAM:**	
APN: NONE SPECIFIED	**FUNDING:**	
CLEANUP OVERSIGHT AGENCIES:	**ASSEMBLY DISTRICT:**	39
NONE SPECIFIED	**SENATE DISTRICT:**	20

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION
NONE SPECIFIED

POTENTIAL CONTAMINANTS OF CONCERN	POTENTIAL MEDIA AFFECTED
NONE SPECIFIED	NONE SPECIFIED

Site History

Site History: The facility is located at 11321 Goss Street, in the City of Sun Valley, Los Angeles County. Surrounding properties consist of commercial and industrial developments. Prime Plating is comprised of a single building structure of approximately 30,000 square feet. The facility maintains a staff of about 80 with two shifts. The facility has been operating in its current location since 1986. Prime plating operations include copper electroplating, nickel, zinc, tin, silver and gold plating, anodizing and chemical film to military, government, auto market, aerospace and commercial applications. The three major lines at the facility include zinc and cadmium plating, anodizing and chemfilm, and electroless nickel plating. In 1997, Prime Plating had conducted a soil gas survey under the oversight of Los Angeles Regional Water Quality Control Board (LARWQCB). A total of 10 soil gas samples were taken at the depth of 5 feet at the facility. The sampling results indicated traces of volatile organic compound (VOC) contamination at the site which LARWQCB determined not to have a substantial threat and therefore no remediation was warranted. In 2004, Prime Plating was also part of the LARWQCB's heavy metal investigation in San Fernando Valley. Based on the Investigation Report submitted to the LARWQCB in March of 2005, it was determined that no further requirements were needed at the facility with respect to the heavy metal investigation in San Fernando Valley.

On December 7, 2006, DTSC conducted a site inspection and determined that based on the previous investigation at the site and the site inspection, no further action is required at the time.

Conditions of Use | Privacy Policy

Copyright © 2007 Department of Toxic Substances Control

0.1757813 seconds

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
ENVIROSTOR

PRIME PLATING, INC. (71002896)

SIGN UP FOR EMAIL ALERTS

11321 GOSS STREET
SUN VALLEY, CA 91352
LOS ANGELES COUNTY
SITE TYPE: TIERED PERMIT

SUPERVISOR:
OFFICE: CLEANUP CHATSWORTH

Site Information

CLEANUP STATUS
NO ACTION REQUIRED AS OF 12/22/1997

SITE TYPE: TIERED PERMIT	**ENVIROSTOR ID:**	71002896
NATIONAL PRIORITIES LIST: NO	**SITE CODE:**	
ACRES: NONE SPECIFIED	**SPECIAL PROGRAM:**	
APN: NONE SPECIFIED	**FUNDING:**	
CLEANUP OVERSIGHT AGENCIES:	**ASSEMBLY DISTRICT:**	39
NONE SPECIFIED	**SENATE DISTRICT:**	20

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION
NONE SPECIFIED

POTENTIAL CONTAMINANTS OF CONCERN	POTENTIAL MEDIA AFFECTED
NONE SPECIFIED	NONE SPECIFIED

Site History

Site History: The facility is located at 11321 Goss Street, in the City of Sun Valley, Los Angeles County. Surrounding properties consist of commercial and industrial developments. Prime Plating is comprised of a single building structure of approximately 30,000 square feet. The facility maintains a staff of about 80 with two shifts. The facility has been operating in its current location since 1986. Prime plating operations include copper electroplating, nickel, zinc, tin, silver and gold plating, anodizing and chemical film to military, government, auto market, aerospace and commercial applications. The three major lines at the facility include zinc and cadmium plating, anodizing and chemfilm, and electroless nickel plating. In 1997, Prime Plating had conducted a soil gas survey under the oversight of Los Angeles Regional Water Quality Control Board (LARWQCB). A total of 10 soil gas samples were taken at the depth of 5 feet at the facility. The sampling results indicated traces of volatile organic compound (VOC) contamination at the site which LARWQCB determined not to have a substantial threat and therefore no remediation was warranted. In 2004, Prime Plating was also part of the LARWQCB's heavy metal investigation in San Fernando Valley. Based on the Investigation Report submitted to the LARWQCB in March of 2005, it was determined that no further requirements were needed at the facility with respect to the heavy metal investigation in San Fernando Valley.

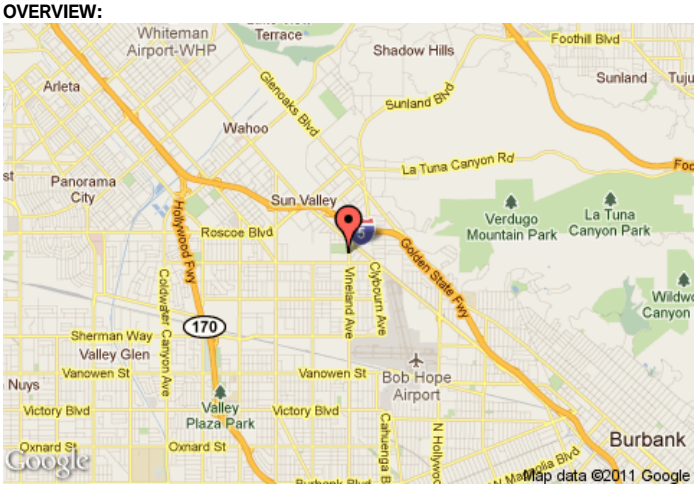
On December 7, 2006, DTSC conducted a site inspection and determined that based on the previous investigation at the site and the site inspection, no further action is required at the time.

Completed Activities

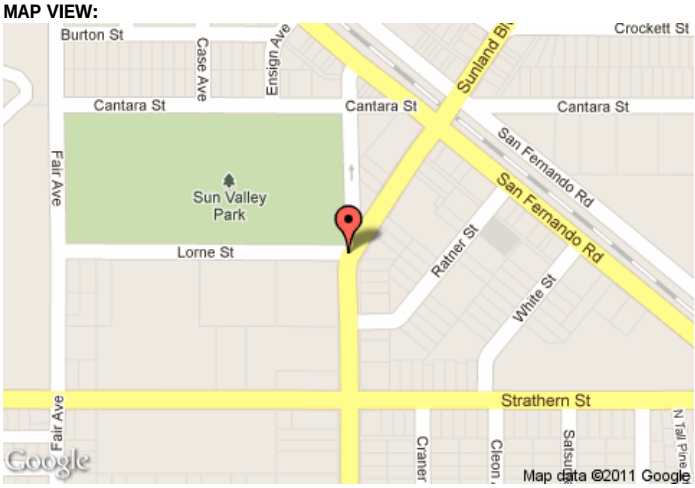
DOCUMENT TYPE	DATE COMPLETED	COMMENTS
Phase I Verification	12/20/2006	
Phase 1	12/20/2006	
Site Inspections/Visit (Non LUR)	12/22/1997	

FOR AN INTERACTIVE MAP, CLICK ON AN IMAGE BELOW

OVERVIEW:



MAP VIEW:



SATELLITE:

TERRAIN:

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
ENVIROSTOR

PRIME PLATING, INC. (71002896)

SIGN UP FOR EMAIL ALERTS

11321 GOSS STREET
SUN VALLEY, CA 91352
LOS ANGELES COUNTY
SITE TYPE: TIERED PERMIT

SUPERVISOR:
OFFICE: CLEANUP CHATSWORTH

Site Information

CLEANUP STATUS
NO ACTION REQUIRED AS OF 12/22/1997

SITE TYPE: TIERED PERMIT	**ENVIROSTOR ID:**	71002896
NATIONAL PRIORITIES LIST: NO	**SITE CODE:**	
ACRES: NONE SPECIFIED	**SPECIAL PROGRAM:**	
APN: NONE SPECIFIED	**FUNDING:**	
CLEANUP OVERSIGHT AGENCIES:	**ASSEMBLY DISTRICT:**	39
NONE SPECIFIED	**SENATE DISTRICT:**	20

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION
NONE SPECIFIED

POTENTIAL CONTAMINANTS OF CONCERN	POTENTIAL MEDIA AFFECTED
NONE SPECIFIED	NONE SPECIFIED

Site History

Site History: The facility is located at 11321 Goss Street, in the City of Sun Valley, Los Angeles County. Surrounding properties consist of commercial and industrial developments. Prime Plating is comprised of a single building structure of approximately 30,000 square feet. The facility maintains a staff of about 80 with two shifts. The facility has been operating in its current location since 1986. Prime plating operations include copper electroplating, nickel, zinc, tin, silver and gold plating, anodizing and chemical film to military, government, auto market, aerospace and commercial applications. The three major lines at the facility include zinc and cadmium plating, anodizing and chemfilm, and electroless nickel plating. In 1997, Prime Plating had conducted a soil gas survey under the oversight of Los Angeles Regional Water Quality Control Board (LARWQCB). A total of 10 soil gas samples were taken at the depth of 5 feet at the facility. The sampling results indicated traces of volatile organic compound (VOC) contamination at the site which LARWQCB determined not to have a substantial threat and therefore no remediation was warranted. In 2004, Prime Plating was also part of the LARWQCB's heavy metal investigation in San Fernando Valley. Based on the Investigation Report submitted to the LARWQCB in March of 2005, it was determined that no further requirements were needed at the facility with respect to the heavy metal investigation in San Fernando Valley.

On December 7, 2006, DTSC conducted a site inspection and determined that based on the previous investigation at the site and the site inspection, no further action is required at the time.

Completed Activities

DOCUMENT TYPE	DATE COMPLETED	COMMENTS
Phase I Verification	12/20/2006	
Phase 1	12/20/2006	
Site Inspections/Visit (Non LUR)	12/22/1997	

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
CAD981635741	28212		

3. Generator's Name and Mailing Address: Prime Plating, 11321 Goss St, Sun Valley CA, 91352

4. Generator's Phone: (818) 768-9108

5. Transporter 1 Company Name: Martin Ind. Pumping

6. US EPA ID Number: CAD000628636

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address: Recycling Resources, 1340 W. Lincoln St, Phoenix AZ, 85007

10. US EPA ID Number: AZD004181809

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Oil and Water NON RCRA Hazardous Waste Liquid	007	DF	00385	G
b. Waste Toluene Flammable Liquid UN 1294	001	DM	00055	G
c.				
d.				

[redacted]

15. Special Handling Instructions and Additional Information: 24 hr Emergency Contact - 818-771-0051
E.R.G. Pg # 11B ____

Wear Appropriate Respirator and Protective Clothing

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
HAROUT MARACHLIAN		02	1	93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
MICHAEL BRICKER		02	1	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space
11a Contains chlorinated organics from 960 ppm to 120,000 ppm

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Brian Smith		02	12	93

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

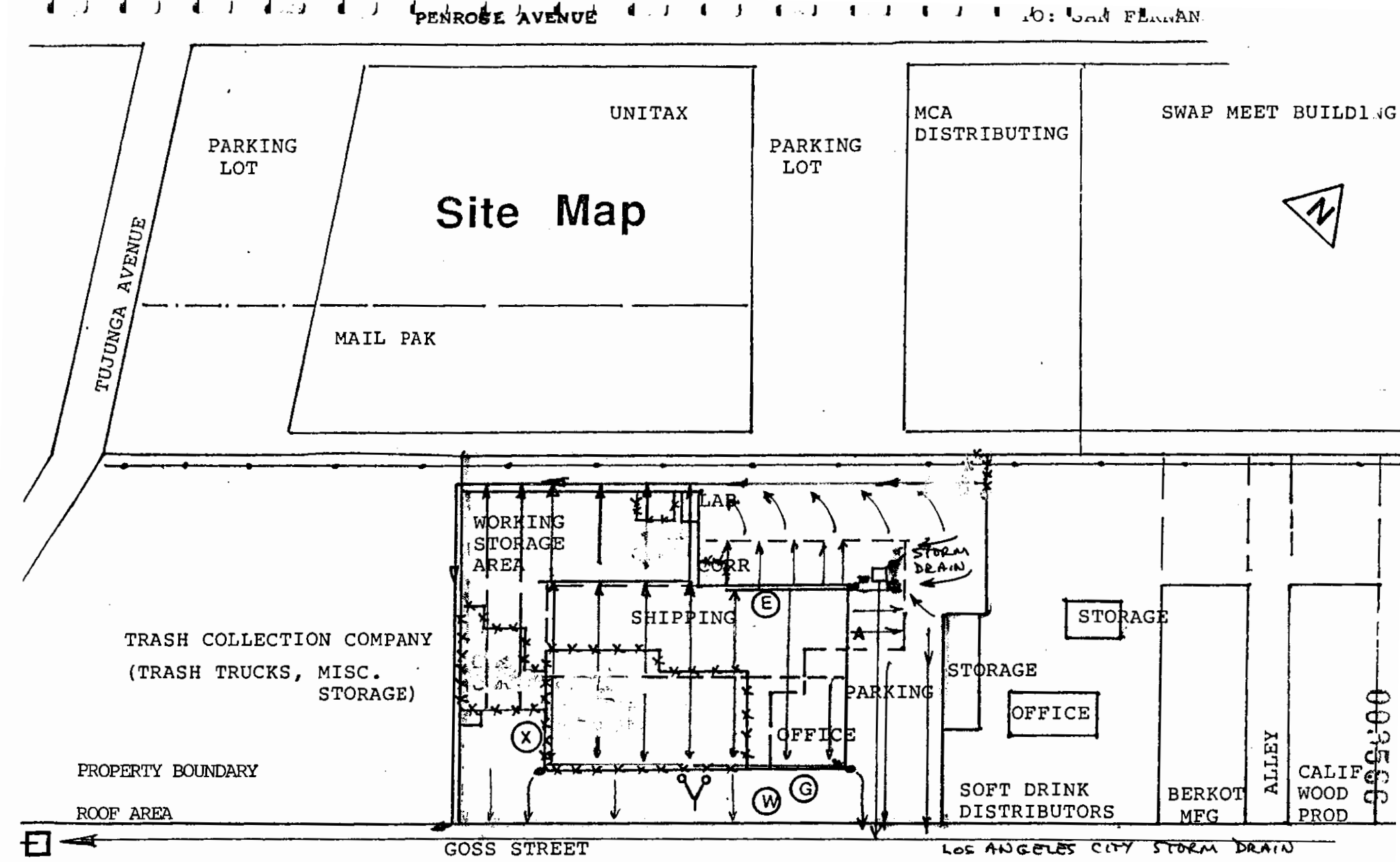
924282212

DO NOT WRITE BELOW THIS LINE.

0-0021-2330

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

DTSC 8022A (7/92)
EPA 8700-22



DRAWN FORM L.A. CITY PLANNING MAP OF AREA. BUILDING AND SITES MEASURED AND SHOWN TO SCALE: 1" = 72 feet.

Business Name PRIME PLATING, INC. LAFD Number 011266-002-9 Emergency Phone (818) 881-4174 (818) 883-6645

Business Address (Site) 11321 Goss Street, Sun Valley, CA 91352 Facility Unit Main Building

Major Business Activity: Aluminum Anodizing Zinc, Cadmium Electroplating Map Scale: 1 " = 72 ft/ Date August 1, 1988

State of California
State Water Resources Control Board

4

NOTICE OF INTENT

U03566

FOR

GENERAL PERMIT TO DISCHARGE STORM WATER ASSOCIATED WITH INDUSTRIAL ACTIVITY (WQ Order No. 91 - 13 - DWQ)

(Excluding Construction Activities)

MARK ONLY ONE ITEM	1. ☒ Existing Facility	3. ☐ Change of Information
	2. ☐ New Facility	WDID #

I. OWNER/OPERATOR

Name: PRIME PLATING, INC.	A. Owner/Operator Type: (Check one) 1. ☐ City 2. ☐ County 3. ☐ State 4. ☐ Federal 5. ☐ Special District 6. ☐ Government Combo 7. ☒ Private
Mailing Address: 11321 GOSS STREET	
City: SUN VALLEY	State: CA Zip: 91352-____ Phone: (818) 768-9100
Contact Person: JACK GRAHAM, PRESIDENT	B. 1. ☐ Owner 2. ☐ Operator 3. ☒ Owner/Operator

II. FACILITY/SITE INFORMATION

Facility Name: [redacted]	County: LOS ANGELES, 19
Street Address: [redacted]	Contact Person: [redacted]
City: [redacted]	State: [redacted] Zip: [redacted] Phone: [redacted]

Parcel Number(s) (If more than 4 apply to facility, enter additional numbers in SECTION IX. A):

A. MAP BOOK 2632, PAGE 006, PARCEL 014 B. _____ C. _____ D. _____

III. BILLING ADDRESS

Send Billing Statements To: A. ☒ Owner/Operator B. ☐ Facility C. ☐ Other (Specify in SECTION IX. B)

IV. RECEIVING WATER INFORMATION

A. Does your facility's storm water discharge directly to: (Check one)

1. ☒ Storm drain system

Owner of storm drain system: (Name) ~~CITY OF~~ LOS ANGELES, PUBLIC WORKS DEPT.

2. ☐ Directly to waters of U.S. (e.g., river, lake, creek, ocean)

3. ☐ Indirectly to waters of U.S.

B. Name of closest receiving water:

PACIFIC OCEAN

V. INDUSTRIAL INFORMATION

A. SIC Code(s):	B. Type of Business:
1. 3471 2. ____ 3. ____ 4. ____	ELECTROPLATING AND ANODIZING

C. Industrial activities at facility: (Check all that apply)

1. ☒ Manufacturing	2. ☒ Vehicle Maintenance	3. ☐ Hazardous Waste Treatment, Storage, or Disposal Facility (RCRA Subtitle C)	
4. ☒ Material Storage	5. ☐ Vehicle Storage	6. ☒ Material Handling	7. ☒ Wastewater Treatment
8. ☐ Power Generation	9. ☐ Recycling	10. ☐ Landfill	99. ☐ Other:

Facility Name: PRIME PLATING, INC.

WDID No.: 419S003566

Inspector: CAROLYN HORTON

Inspection Date: 4/10/03

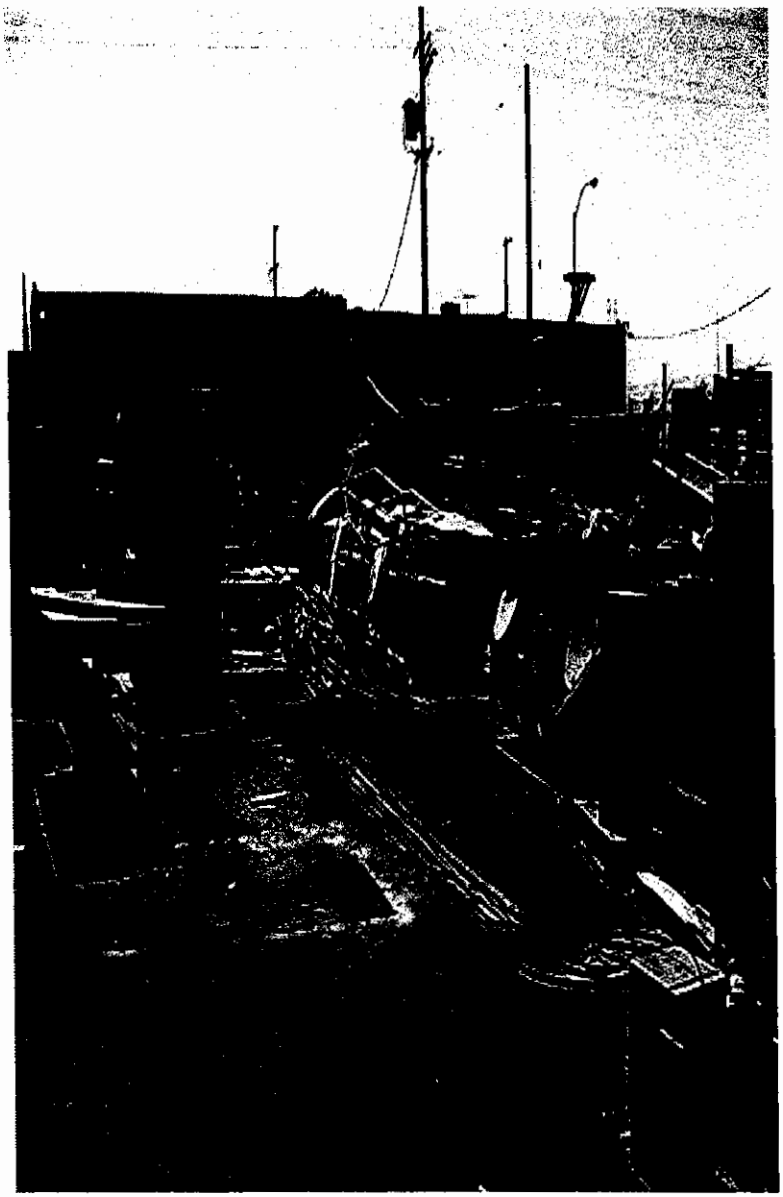


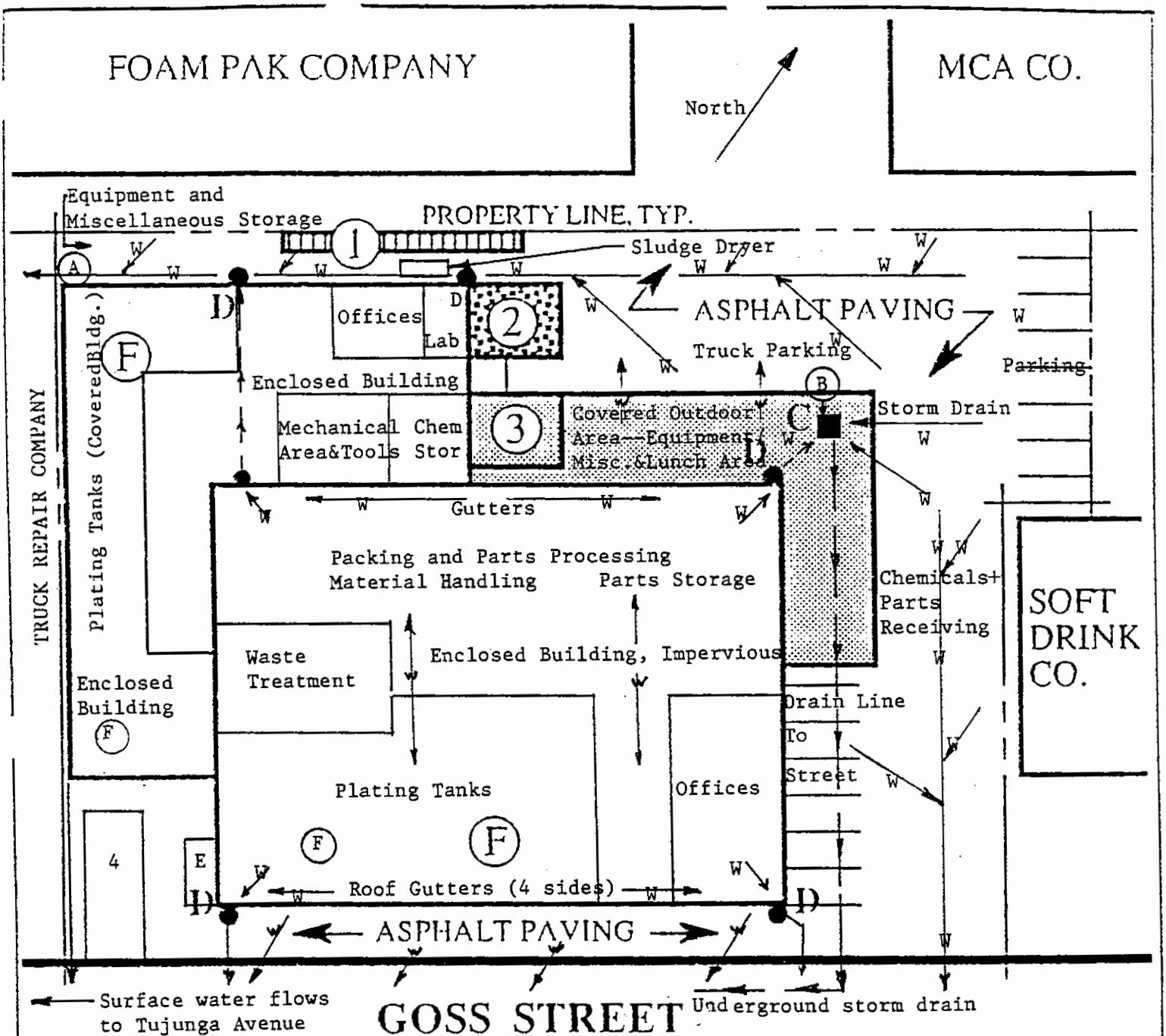
Photo 1

Description:.Equipment and material stored on ground without covers.

Photo 2

Description:.

SITE MAP



(Note: No significant spills or leaks)

W Roof and Surface Water Runoff
A---Sample Point A
B---Sample Point B
C---Storm Drain to Street
D---Roof Downspouts
E---Bermed bulk storage
F---Roof Fans

1. Contained Chemical Storage--uncovered
2. Contained sludge storage bin & chemicals Uncovered
3. Covered acid storage area
4. Enclosed treated water tanks, contained

MAP INFORMATION

TYPE Site Map with usage and drainage flows

NUMBER 1

SCALE 1 " = approx. 35 feet

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

FACILITY PRIME PLATING, INC.
11321 Goss Street, Sun Valley, CA 9130

COUNTY Los Angeles

DATE 5/15/98 | DRAWN J. Graham | CHECKED

Analysis Results of Prime Plating Wastewater

Metal or Contaminant	City Limits, mg/L (Monthly Ave.)	October'02 Results, mg/L	November'02 Results, mg/L	December'02 Results, mg/L	January'03 Results, mg/L	February'03 Results, mg/L	March'03 Results, mg/L
Cadmium	0.39	< 0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Copper	1.87	0.06	0.25	0.12	0.12	0.09	0.37
Chromium (Total)	2.29	< 0.05	<0.05	0.13	0.16	0.09	0.23
Lead	0.33	< 0.05	0.07	<0.05	<0.05	0.09	<0.05
Nickel	1.95	0.07	<0.05	<0.05	0.06	<0.05	<0.05
Silver	0.24	< 0.05	<0.05	<0.05	<0.05	0.10	0.05
Zinc	1.72	0.21	0.22	0.22	0.22	0.32	0.22
Total Toxic Organic	----	0.011	0.041	0.05	0.178	0.014	0.002
Cyanide (Total)	0.48	< 0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Cyanide (Free)	----	< 0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Arsenic	----	< 0.008	<0.008	<0.008	0.013	0.011	<0.010
Chloride	----	504	450	1200	2074	469.8	937.2
Oil and Grease (Total)	600.0	< 1.0	<1.0	<1.0	<1.0	<1.0	<2.0
Dissolved Sulfides	0.10	< 0.05	<0.05	<0.05	<0.05	<0.05	<0.05
pH	5.50-11.00	8.6	9.89	9.91	7.41	10.18	9.26
Total Metals	5.0	0.34	0.47	0.47	0.56	0.50	0.82
Chloroform	----	0.004	0.024	0.038	0.138	0.004	0.001
Methylene Chloride	----	< 0.001	<0.001	0.005	<0.001	<0.001	<0.001

8.1.7 Waste Handling / Recycling

- ❋ Containers used to store waste or recyclable materials shall be covered to prevent contact with storm water.
- ❋ Containers shall be kept in good condition without corrosion or leaky seams.
- ❋ Containers will not be overfilled.
- ❋ Waste significant materials will be stored in covered and secondary containment systems.
- ❋ Waste significant materials will be kept in approved, closed, identified waste containers that are in good condition.
- ❋ Only trained and authorized employees are to handle and store waste significant materials.
- ❋ Waste storage and handling areas will be inspected for leaking containers and spills.

8.1.8 Record Keeping and Internal Reporting

❋ All records of the following will be maintained as part of this SWPPP:

MFASC

- ❋ Inspections.
- ❋ Spills.
- ❋ Maintenance.
- ❋ Corrective Action.
- ❋ Visual Observations.
- ❋ Monitoring Requirements.
- ❋ Training.
- ❋ Review of SWPPP.

8.1.9 Erosion Control & Site Stabilization

❋ Areas subject to erosion will be controlled through use of vegetation or diversion of runoff or run-on.

❋ Use and placement of sandbags are for emergency use only.

8.1.10 Inspections

❋ The following inspections will be conducted:

- ❋ Preventative Maintenance.
- ❋ Potential Pollutant Sources.
- ❋ Secondary Containment Systems.
- ❋ Handling & Storage Areas.
- ❋ Process Areas.

❋ Corrective action of deficiencies found during inspections will be documented as part of the SWPPP.

2/16/90 Time ____

☐ New ☐ Change

Los Angeles County
Hazardous Materials Control Program
Industry Survey

Insp. 0311 Page 1 of 1

☑ Routine ☑ Complaint ☐ Re-
☐ PHL Investigation

PHL# 462532 Code 0 SIC# 3471 EPA# CAD981635741

Start Date 1/90 # of employees 80+ # of shifts 1 Operating Hours 7-5:30

Owner Jack Graham | Interviewed Loy Hernandez

Partner | Title Chemist

Product / Service Plating shop - Zinc, Cadmium, chem film

DBA Prime Plating Co | Violation Rank ☐ I ☐ II ☑ III

Address 11321 Goss St. | Waste Cat 2 1 1 4

unit # / number / dir / street name / type

City SPV Zip Code 91352 | Amt (PGT) | | |

P = pounds G = gallons T = tons per quarter

Mailing S.A.A. | ☐ HRF Materials

Quantity Storage

UST 0 Size / For | # AST 0 Size / For

PROCESS FLOWCHART

process & materials ——— hazardous waste & rate generated ——— storage method (drum/AST/UST) ——→ hauler manifest number & date ——→ disposal meth environmental

Plating:

(1) Cadmium & Zinc → Cyanide, caustic Soda (Pre off), Hypochlorite, HCl (to pickle), stainless steel → liquid wastes + floor Spillage → Cyanide destruction w/ Hypochlorite → clarifier then to waste water treatment → Filter press → N.O.V

(2) Chem Film: H_2SO_4 or HNO_3, CrO_3^{+6} acid, NaOH, $Na_2S_2O_5$, Aluminum → Cr^{+6} reduction to Cr^{+3} w/ H_2SO_4 to lower pH, then add $Na_2S_2O_5$ To reduce valance → Clarifier to waste water treatment → Filter press → 3 roll-off Bins at 10 cu yrd each / 3 mos → Falcon Disposal → Casmalia Landfilled

(3) Valor Degreaser newly installed (2 mos) → Waste 1,1,1-TCA → 15 gal / 2 mos → N.O.V.

(4) Compressor Oil → 150 gal / 2 mos → N.O.V.

Action N.O.V. ☑ Revisit Date 3/2/90 ☐ Abatement Date

Referrals
☐ AQMD ☐ IW
☐ B & S ☐ OSHA
☐ Fire ☐ SDHS
☐ other ____

Violations / Remarks See N.O.V.

* Baker Filter to completely dewater the filter press. * 10,000 gal thru / mo → only needs 6 mo report on waste thru Analysis

Signature(s) Wilcox

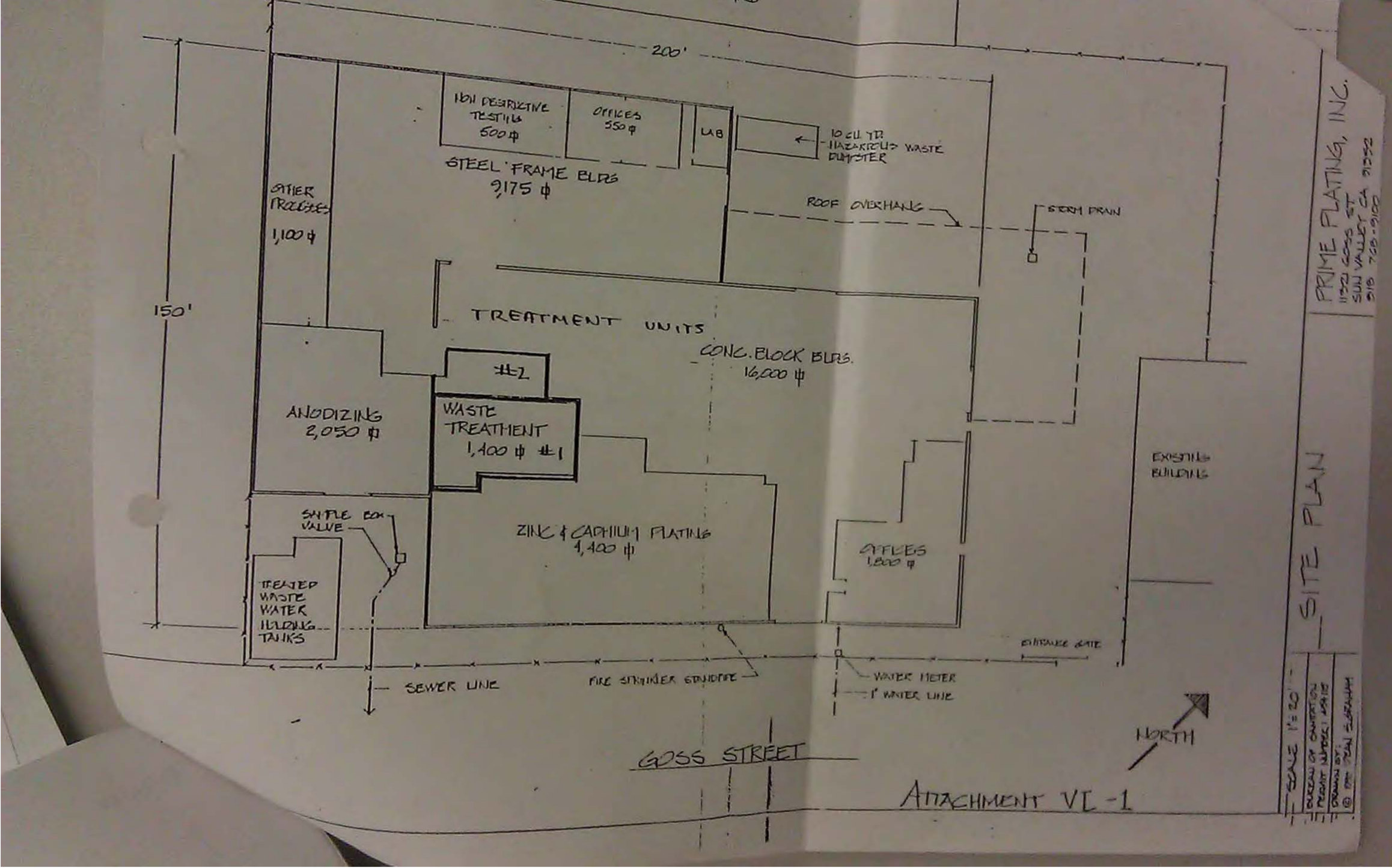
Do N
Until C

Pa
Th

Ask for th
Al

Confidential Docu

1. Site Maps
2. Portions of Inven
   Materials
3. Confidential C
4. Personal Medi
5. Trade Secre



ATTACHMENT VI-1

June 20, 2006

Jeff Holwager
County of Los Angeles Fire Department
Health Hazardous Materials Division
North District
14425 Olive View Drive
Sylmar, CA 91342

Dear Jeff,

I am writing you in order to give you a progress report on our Waste Treatment system certification. We are currently in the process of making upgrades to our system for the five-year Containment Certification from the Professional Engineer that we retained. On April 12, 2006 we received the inspection recommendations from the Professional Engineer, Oscar Malhoo listing the areas that were required to be addressed.

It was suggested that a couple of the treatment tanks were in need of repair. Specifically, Clarifier #2 and Batch Treatment #1 were noted to be in poor condition. We have completed repairs to those two tanks using high-strength fiberglass and corrosion resistant resin. Their estimated life has been extended twenty years. Also, we have completed the reinforcement of the berms around the Waste Treatment area and added sump pumps to the areas directly bordering it. This was done to more quickly recover any drag-out form the rinse tanks and keep the Waste Treatment area dry. In addition, we have added automated water-level detection meters to sound an alarm if level in the Waste Treatment berm reaches any significance.

Regarding the work left to be completed, we have a couple areas still to be addressed. First, we are building a new containment wall to replace the existing one that encompasses the storage tanks of treated water outside. Second, we are building a roof over the sludge dryer to keep it from accumulating any rainwater in its berm. Lastly, we are in process of seismic restraining or retrofitting all of the tanks in the Waste Treatment system.

We anticipate completing the remaining work in a timely manner and achieving full CCR Title 22.265.192 Containment Certification in the near future. We will forward the completed Certification to you as soon as it is completed.

Best regards,

Fred V. Schmidt

Fred Schmidt, President
Prime Plating

HAZARD COMMUNICATION PROGRAM

Prime Plating, Inc., has developed a Hazard Communication Program to ensure our employees' health and safety.

As a company we intend to provide information about chemical hazards and other hazardous substances, and the control of hazards via our comprehensive Hazard Communication Program which includes container labeling, Material Safety Data Sheets (MSDS) and training for all employees.

Each employee has and each new employee must complete the Right-to-Know, Hazardous Materials, Hazardous Waste Management video program in a language (English or Spanish) that he understands prior to beginning work. In addition each employee will be trained in the specific hazards and hazardous materials encountered in his workplace. Each employee must repeat this program annually or when a supervisor detects any apparent lack of training, understanding, or failure to follow prescribed procedures.

A copy of the outline of the contents of the video training program in the form of Managers Checklists is attached at the end of this document.

THE FOLLOWING PROGRAM OUTLINES HOW WE WILL ACCOMPLISH THE SPECIFIC ELEMENTS OF THIS PROGRAM.

1. <u>CONTAINER LABELING</u>

It is the policy of this company that no container of hazardous substances will be released for use until the following label information is in place on the container and verified by the Chief Chemist or his designated assistant:

a. Containers are clearly labeled as to the contents
b. Appropriate hazard warnings are noted
c. The name and address of the manufacturer are listed

This responsibility has been assigned to Harout Marachlian, Chief Chemist and Mario Prado, assistant chemist. To further ensure that employees are aware of the hazards of materials used in their work areas, it is our policy to label all secondary containers, that is, all containers other than the original container into which hazardous chemicals are placed. Containers which will be used completely and immediately, that is within the shift on which they were created, are exempt, but any person responsible for creating such container shall be responsible for protecting any and all employees from any harm from misuse by proper isolation, covering, or other means, and, if such is not feasible, then the container must be labeled in a formal manner. Notwithstanding the above, any container, whether for immediate use or not, containing cyanide and any container containing acid shall be prominently labeled "CYANIDE" or "ACID".

Each plating supervisor in each area, namely,

Zinc, cadmium plating
Brigido Dorantes
Pedro Mejia
David Vela

Anodize
Raudel Arteaga

Nickel
Mike Silva

will ensure that all secondary containers are labeled with either an extra copy of the original manufacturer's label or with general labels which have a block for identity and blocks for the hazard warning. The operations supervisor, plating foreman, assistant and chief chemists, namely,

Harout Marachlian
Richard Contreras
Eloy Hernandez
Mario Prado

as well as Jack and Dean Graham will be responsible to ensure that the above labeling of secondary containers in areas under their jurisdiction is rigidly complied with and enforced.

It is the company policy that only designated, trained persons are authorized to handle chemicals from original containers or make chemical additions. Whenever in a special operation or emergency, hazardous chemical solutions are to be placed in secondary containers, each person using a secondary container must ensure that the container is absolutely clean, is rinsed before use, and contains no chemicals or materials that would react with the chemical or solutions to be moved.

Upon completion of use, a secondary container must be fully and properly cleaned <u>immediately</u>. The job is not done until the container has been cleaned and is ready for use for any other hazardous material.

2. <u>MATERIAL SAFETY DATA SHEETS</u>

Copies of Material Safety Data Sheets (MSDS) for all hazardous substances to which employees of this company may be exposed are kept in MSDS notebooks at the "RIGHT TO KNOW" table in the racking area outside the shipping/receiving office, in the shipping/receiving room, in the lobby, and in the training room (June Graham's office, master copy). Harout Marachlian and June Graham will be responsible for obtaining MSDS and maintaining the MSDS system for the company.

Harout Marachlian will review incoming data sheets for new and significant health or safety information. He will see that any new information is passed on to the affected employees and supervisors and the training system materials updated so that all new employees will likewise be informed.

MSDS will be reviewed for completeness by Harout Marachlian. If an MSDS is missing or obviously incomplete, a new MSDS will be requested from the manufacturer. CAL/OSHA will be notified if a complete MSDS is not received.

MSDS are available to all employees in their work area for review during each work shift. If MSDS are not available or new hazardous substances in use do not have an MSDS, please contact Harout Marachlian, June Graham or Jack Graham at once.

All present employees have and all new employees before they may report for work must watch the company's "Hazardous Materials and Hazardous Waste Management Right to Know" video program. This will be followed by a question and answer period with a detailed explanation of the MSDS sheets and a personal copy of the sodium cyanide MSDS sheet. Each employee is urged to consult and review the MSDS file and to ask any questions of his supervisor, the Chief Chemist, or company management about any aspect of which he is unsure.

3. EMPLOYEE INFORMATION AND TRAINING

Every employee must attend a health and safety orientation set up by June Graham or a supervisor and view the one hour video in a language (Spanish or English) that the employee understands prior to starting work. This and the accompanying discussion will provide information and training on the following:

a. An overview of the requirements contained in the Hazard Communication Regulation, including employees rights under the Regulation.

b. Inform employees of any operations in their work area where hazardous substances are present. Hazardous chemicals are present in all plating or anodizing areas, chemical storage areas, laboratory, waste treatment areas, and may be encountered by others in racking and packing when chemicals are being moved, during special short-term operations, or in the event of spills.

c. Location and availability of the written hazard communication program. A copy is kept with each MSDS notebook, along with the inventory of hazardous chemicals, Emergency Instructions, and the Emergency Plan.

d. Physical and health effects of the hazardous substances in use in the company.

e. Methods and observation techniques used to determine the presence or release of hazardous substances in the work area.

f. How to lessen or prevent exposure to these hazardous substances through usage of engineering controls, work practices, and/or the use of personal protective equipment.

g. Steps the company has taken to lessen or prevent exposure to these substances.

h. Emergency and first aid procedures to follow if employees are exposed to hazardous substances.
i. How to read labels and review MSDS to obtain appropriate hazard information.

NOTE: IT IS CRITICALLY IMPORTANT THAT ALL OF OUR EMPLOYEES UNDERSTAND THE TRAINING. IF YOU HAVE ANY ADDITIONAL QUESTIONS, PLEASE CONTACT YOUR SUPERVISOR OR ONE OF THE FOLLOWING:

HAROUT MARACHLIAN	ELOY HERNANDEZ
RICHARD CONTRERAS	JACK GRAHAM
MARIO PRADO	DEAN GRAHAM

When new hazardous substances are introduced, your supervisor will review the above items as they are related to the new material in your work area safety meeting.

4. LIST OF HAZARDOUS SUBSTANCES

On the following page is a list of all known hazardous substances present in plant. Specific information on each noted hazardous substance can be obtained by reviewing the Material Safety Data Sheets (MSDS).

MATERIAL SAFETY DATA SHEET INDEX

PRODUCT NAME

Acetic acid, glacial
Aluminum Dyes
Black
Gold
Red
Blue
Green
Brown
Orange
Yellow
Bronze
Alum Etch 22
Aluminum Sulfate
Aluseal
Ammonium Biflouride Flake
Ammonium Nitrate
ARP #5
ARP #28
ARP #30
Barbituric Acid
BE-4
BEC 305B Cadmium
CC-1100
CC-1155P
Cadmium Metal
Cadmium Oxide
Caustic Soda Beads
Caustic Soda Liquid
Chromate 148-C
Cleaner A-126
Cleaner A-130
Cleaner 197
Cleaner EC-10
Deoxidizer
Diatomaceous Earth
DX-38-L
Flocculating Polymer
Hydrochloric Acid (Muriatic)
Iridite #8
Iridite #12L-3S
Iridite #12L-5
Iridite#14-2
Iridite #80
Irilac #1000
Isobrite #345
Isobrite #541
Isobrite #542
Isoprep #33
Isoprep #44
Isoprep #54
Isoprep #184
Liquid Lime Sulphur
Miccro Stop
Miccro Strip A
Miccro Super XP-2000
Nickel Acetate
Nitric Acid
Perclene D
Potassium Dichromate
Potassium Permanganate
Rodip CD 7
Roglow 902
Rodip CD-3
S A 200
Silver-Metal
Silver Nitrate
Sodium Bichromate
Sodium Cyanide
Sodium Carbonate (soda a
Sodium Hydroxide
Sodium Hypochlorite
Sodium Meta Bisulphite
Sodium Thiosulfate
Stripper 130
Sulphuric Acid
Supersoak
Surcoat
1,1,1 Trichlorethane
Thiourea
XL 20 Liquid
Zinc Alkaline
Zinc Chloride
Zinc Cyanide
Zinc Phosphate
Zinc- Metal
Zinc-Dust

5. HAZARDOUS NON-ROUTINE TASKS

Periodically certain employees may be asked to perform hazardous non-routine tasks. Prior to starting work on such projects, each affected employee will be given information by their supervisor, project leader, the chief chemist, or company management about hazards to which they may be exposed during such an activity and health and safety precautions which must be taken.

This information will include:

a. Specific hazards

b. Protective or safety equipment or measures which must be utilized or followed.

c. Measures the company has taken to less the hazards including ventilation, respirators, required presence of another employee and emergency procedures.

Examples of non-routine tasks performed by employees of this company are:

TASK	HAZARDOUS SUBSTANCE(S)
--Clean under tanks (PROTECTIVE EQUIPMENT REQUIRED)	Sodium Hydroxide Sodium Cyanide Acids in Acid section
--Clean out rinse tanks, process or plating tanks (VENTILATION AND STANDBY PERSON REQUIRED)	Hazardous substance(s) in tank--acids, caustic, cyanides, dichromates, cadmium, nickel
--Clean contaminated materials	Hazardous substance in area where material was
--Shovel or unload processed sludge or dry hazardous materials	Zinc, chrome, cadmium, nickel, iron hydroxides (WEAR DUST MASK)
--Repair tanks or platform areas containing hazardous chemicals	Hazardous substance in tank or area--Caustic, acid, cyanide, or other (SAME PROTECTIVE EQUIPMENT REQUIRED AS IF USING/WORKING WITH GIVEN CHEMICALS)

6. HAZARDOUS SUBSTANCES IN UNLABELED PIPES

Only trained, experienced employees are authorized to work on chemical and process equipment. Each employee who may be called on to work on unlabeled pipes, valves or pumps which may contain or have contained hazardous chemicals, prior to work, must positively determine the contents of the pipe, and positively know the potential hazards and the

safety precautions which must be taken. Each operations supervisor requesting such work must verify employees knowledge of any hazard or know by personal experience that the employee is knowledgeable. If any question or any doubt exists, each employee must first ask the Harout Marachlian, Richard Contreras, Dean or Jack Graham.

7. EMERGENCY PLAN

All supervisors, members of management, and members of the Emergency Response Team shall have a copy of the company's Emergency Response Plan and be responsible to carry out their functions in accordance with the plan. All employees are to be made aware of the contents of the plan, assistance to injured workers, the evacuation and assembly area procedures

8. INFORMING CONTRACTORS

To ensure that outside contractors work safely in our plant, it is the responsibility of the management person requesting the work to provide contractors the following information:

a. Hazardous substances to which they may be exposed while on the job-site.

b. Precautions the contractor's employees may take to lessen the possibility of exposure by usage of appropriate protective measures.

9. UNKNOWN SUBSTANCES

It is the policy of this company that all chemical materials, substances and solutions are to be assumed to be hazardous unless it is otherwise positively determined. No person not authorized to work with or make chemical additions by virtue of past training and experience is allowed to handle such materials. Any unknown, undetermined, unlabeled substance or about which there is any uncertainty shall not be touched but shall be immediately referred to the employees supervisor, Chief Chemist, assistant chemist, operations or plating supervisor, or company top management.

10. HAZARDOUS PLACE TO WORK; COMPANY SAFETY POLICY

A copy of the company bulletin "THIS IS A HAZARDOUS PLACE TO WORK" is given to each employee at time of hiring and before beginning work. A copy of this bulletin, a copy of the Safety Policy of this company, and an outline of the training to be given to each new employee by his supervisor are included at the end of this document. Checklists of items covered by the video program are presented thereafter.

IF ANY EMPLOYEE HAS ANY QUESTIONS ABOUT THIS PLAN, OR OBSERVES ANY ASPECT OF THE WORKPLACE WHERE THESE POLICIES AND PRACTICES ARE NOT BEING CARRIED OUT, PLEASE CONTACT HAROUT MARACHLIAN, RICHARD CONTRERAS, DEAN OR JACK GRAHAM.

NO EMPLOYEE SHALL START A JOB WHICH HE BELIEVES MAY BE UNDULY HAZARDOUS OR FOR WHICH HE FEELS HE MAY NOT HAVE RECEIVED COMPLETE TRAINING. NO SUPERVISOR SHALL REQUIRE ANY EMPLOYEE TO PERFORM ANY WORK UNDER SUCH CIRCUMSTANCES. NO EMPLOYEE SHALL HAVE ANY FEAR OF CRITICISM, PUNISHMENT, OR ADVERSE ACTION FROM STATING A REQUEST FOR FURTHER INFORMATION OR FROM REPORTING AN INSTANCE WHERE THIS PROGRAM AND ITS POLICIES ARE NOT BEING CARRIED OUT.

This plan will be monitored by Harout Marachlian and Jack Graham to ensure that the policies are carried out and that the plan is effective and to make continued improvements.

Jack Graham

Jack Graham, President

2/26/91

PRIME

PRIME PLATING, INC.
11321 Goss St. • Sun Valley, CA 91352 • (818) 768-9100

INTERCOMPANY MEMO

TO ALL EMPLOYEES:

THIS IS A DANGEROUS AND HAZARDOUS PLACE TO WORK. Unless you learn to work safely and with great care and thought, you may expect to get hurt, possibly very seriously.

Hazardous chemicals are in use throughout all operations. They include:

ACIDS--will burn the skin, eat skin and flesh, can destroy eyesight.

CAUSTICS, HOT CAUSTIC SOAPS--can eat skin and flesh, cause bad burns and blisters, can destroy eyesight. Small amounts can cause skin rashes.

CYANIDE--DEADLY POISON IN THE TINIEST AMOUNT. CAN CAUSE RAPID DEATH. Used in all the plating tanks.

CARCINOGENICS--The following chemicals are used in this place which have been determined by the State of California to be capable of causing cancer or birth defects (in addition to gasoline, all petroleum products, insecticides, peanut butter, and saccharine):

Chromates--in chromate tanks, Iridite 80, 12L5, CD-3 Chem film, chromic acid, sodium bichromate, sludge
Acetone
MEK
Paint Thinners

We believe that the dangers that these hazards may represent may all be avoided if chemicals are safely and properly handled and proper work and safety procedures are followed.

Rubber gloves and protective clothing must always be worn in chemical areas. Safety goggles must always be worn and used. No bare arms or going without shirts.

No food or drinks in the areas where chemicals are used. Always wash hands before eating.

Inform supervisor of any cut or lesion through which chemicals could get into the body.

Ear plugs must always be used near the blow off areas. Hearing loss can otherwise occur and is irreversible.

FACT SHEET
RENEWAL DATE: 11/1/2004

A. INDUSTRIAL USER INFORMATION

IU000021
W-454115

Prime Plating, Inc.
11321 Goss Street
Sun Valley, CA 91352

Jack Graham, President
(818) 768-9100

B. DESCRIPTION OF FACILITY OPERATIONS

Prime Plating, Inc. is a job shop primarily engaged in electroplating services for outside vendors (SIC 3471). Core operations include electroplating of zinc, cadmium, nickel, tin, copper, silver and gold plating of steel, aluminum, stainless steel and copper parts, anodizing of zinc, chromium conversion coating of aluminum, passivation of stainless steel, and electroless plating of nickel. Ancillary processes include alkaline and acid cleaning and non-destructive testing.

Prime Plating, Inc. began discharging from the Goss Street facility on December 1, 1986. The facility previously housed All Valley Plating that had started the electroplating operations on July 1, 1982 with the same equipment and using the same processes. Prime Plating, Inc. assumed the facility in 1986.

Prime Plating, Inc. started its operations with the following processes: electroplating of cadmium, zinc, anodizing, zinc phosphating, chrome conversion coating, pickling, and acid and alkaline cleaning.

In March 1992, Prime Plating, Inc. installed the following new processes: electroless nickel plating, electroplating of nickel, tin, copper, silver and gold, acid and alkaline cleaning, and non-destructive penetrant testing. In May 1994, a new gold cyanide process was added.

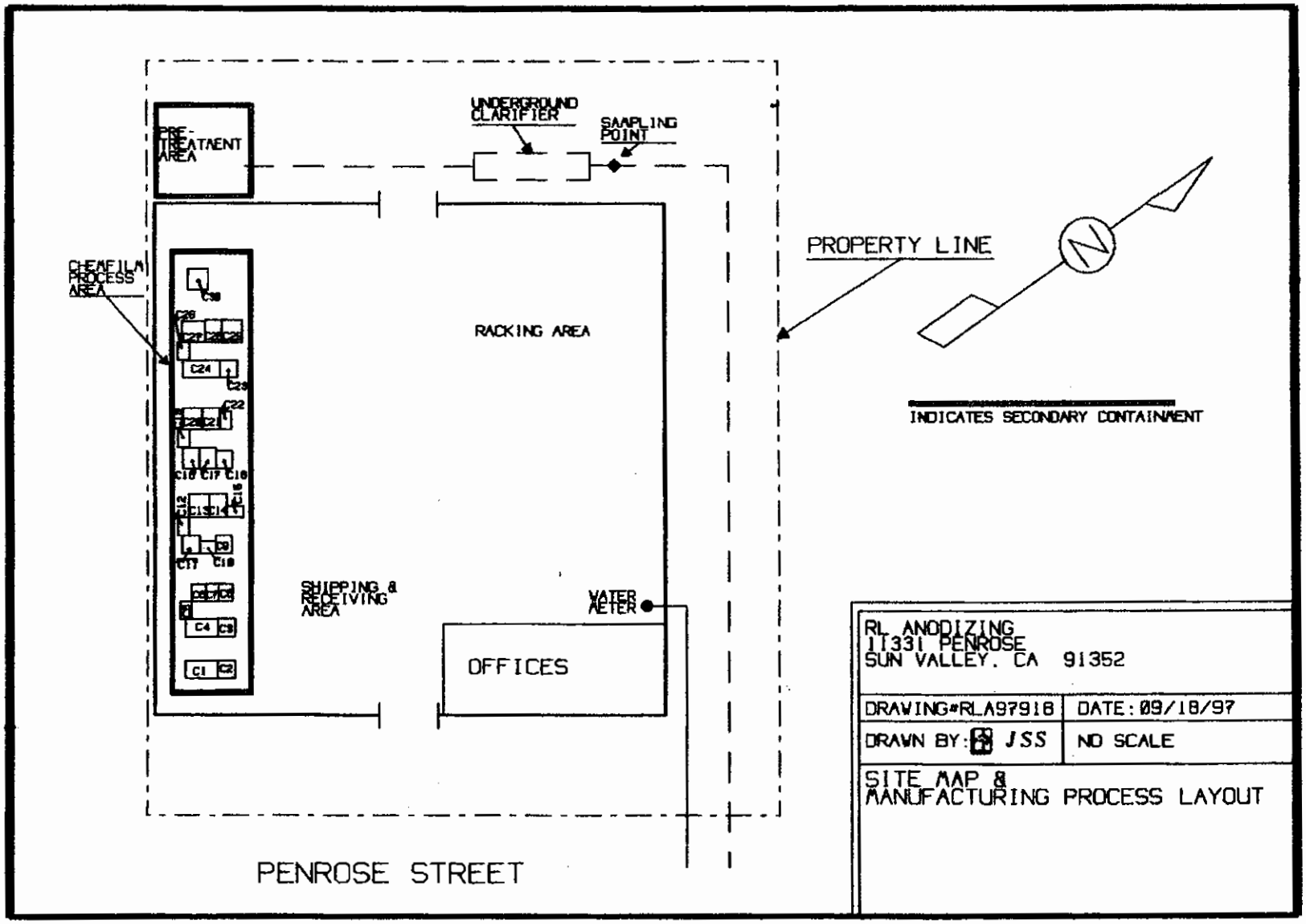
Prime Plating, Inc. employs 70 personnel. Prime Plating, Inc. operates 24 hours per day, six days per week.

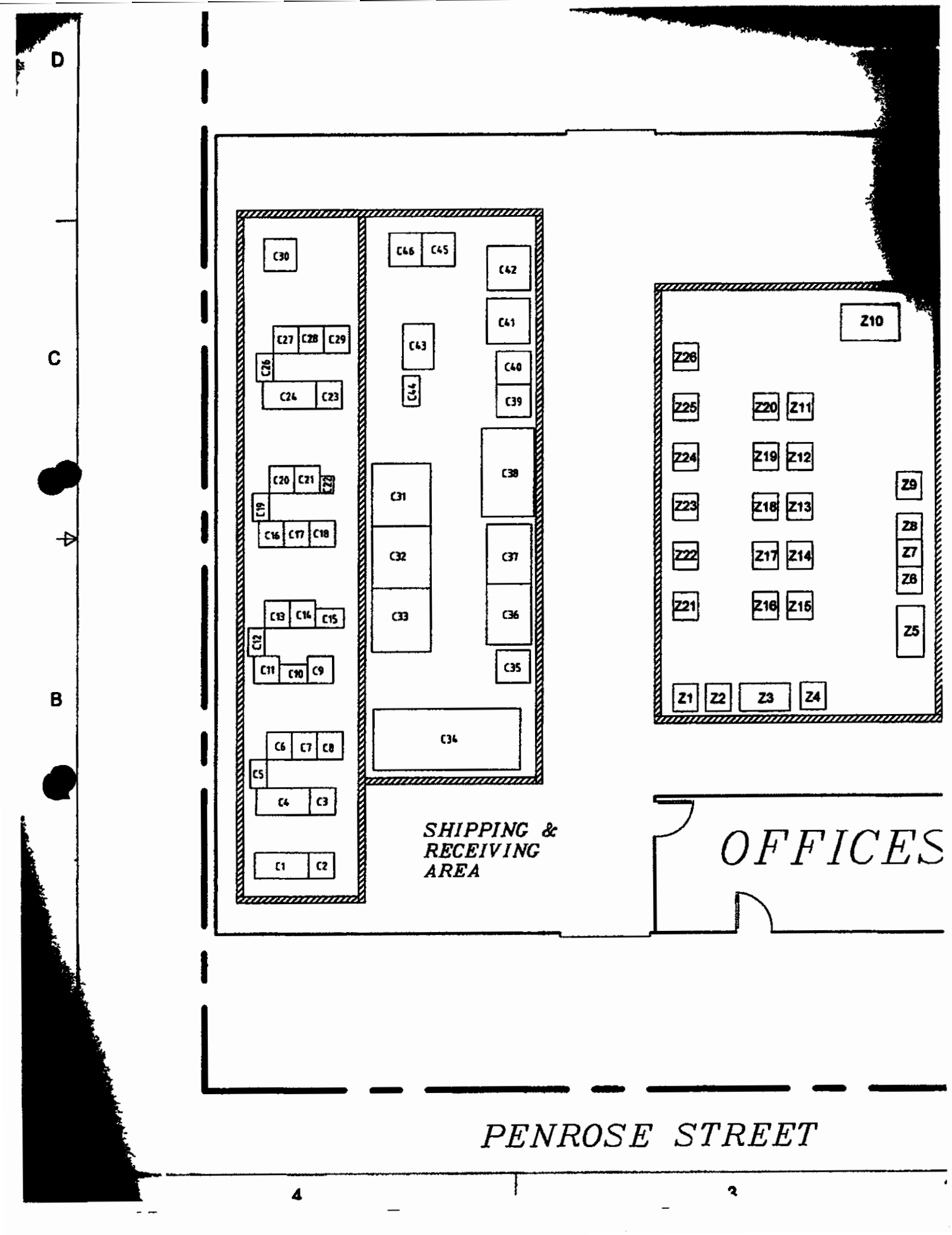
C. SAMPLE POINT DESCRIPTION/FACILITY FLOW INFORMATION

INDUSTRIAL WASTEWATER PERMIT	SAMPLE POINT	FLOW PER OPERATIONAL DAY (GPD)		DESCRIPTION
		TOTAL	PROCESS	
W-454115	01	18,060	18,060	Secured Sampling Facility located at the discharge of the pretreatment system holding tanks.
TOTAL		18,060	18,060	----

RL ANDODIZING

11331 Penrose Street


PRE-
TREATMENT
AREA
UNDERGROUND
CLARIFIER
SAMPLING
POINT
PROPERTY LINE
N
CHEMICAL
PROCESS
AREA
RACKING AREA
INDICATES SECONDARY CONTAINMENT
SHIPPING &
RECEIVING
AREA
WATER
METER
OFFICES
PENROSE STREET
RL ANODIZING
11331 PENROSE
SUN VALLEY, CA 91352
DRAWING#RLA97918
DATE: 09/18/97
DRAWN BY: JSS
NO SCALE
SITE MAP &
MANUFACTURING PROCESS LAYOUT


D
C
B
C30
C46
C45
C42
C41
C43
C40
C44
C39
C38
C31
C32
C33
C37
C36
C35
C34
C27
C28
C29
C26
C24
C23
C20
C21
C22
C19
C16
C17
C18
C13
C14
C15
C12
C11
C10
C9
C6
C7
C8
C5
C4
C3
C1
C2
Z10
Z26
Z25
Z20
Z11
Z24
Z19
Z12
Z9
Z23
Z18
Z13
Z8
Z7
Z22
Z17
Z14
Z6
Z21
Z16
Z15
Z5
Z1
Z2
Z3
Z4
SHIPPING &
RECEIVING
AREA
OFFICES
PENROSE STREET
4
3

ROSCOE SHEET METAL

8508 San Fernando Road

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

PRE-INSPECTION QUESTIONNAIRE

Correct name & address as needed

ROSCOE SHEET METAL
8508 SAN FERNANDO RD.
SUN VALLEY, CA 91352
FILE NUMBER:111.2466

1. NAME & ADDRESS OF PROPERTY OWNER MARGRET C. IBSCH

2. STANDARD INDUSTRIAL CLASSIFICATION CODE (SIC) M2

3. PLEASE DESCRIBE YOUR BUSINESS OPERATIONS (INCLUDE NUMBER OF YEARS IN BUSINESS)
SHEET METAL FABRICATION - FOR CONSTRUCTION - FLASHINGS DUCT WORK - ECT. CABINETS & VARIOUS ITEMS MADE TO OWNERS SPEC'S - WE ARE A JOB SHOP.

4. NAME(S) OF FORMER TENANT(S). TYPE AND DURATION OF OPERATIONS, (IF KNOWN)
NO FORMER TENANT.

5. PLEASE ANSWER THE FOLLOWING QUESTIONS RELATIVE TO PRESENT OPERATIONS:

A. DO YOU USE ANY SOLVENTS? ___YES X NO
IF YES, PLEASE EXPLAIN

B. DO YOU HAVE A VAPOR DEGREASER? ___YES X NO

C. DO YOU HAVE A CLARIFIER OR OTHER UNDERGROUND STRUCTURES? (TANKS, SUMPS, ETC...) ___YES X NO

D. DO YOU HAVE A DRUM STORAGE AREA? ___YES X NO

E. DO YOU HAVE A SEPTIC TANK SYSTEM? ___YES X NO

F. DO YOU HAVE AN INDUSTRIAL WASTE PERMIT FOR SEWER DISCHARGE? ___YES X NO

Please use the other side for additional information, as needed

G. DO YOU PERFORM ANY METAL WORK? ___YES ___NO

H. DO YOU DO PLATING AND/OR PAINTING? ___YES X NO

I. HAS ANY SOIL AND/OR GROUNDWATER INVESTIGATIONS BEEN CONDUCTED ON PROPERTY? (BY YOURSELF OR PREVIOUS OWNERS) ___YES X NO

6. PLEASE ANSWER THE FOLLOWING QUESTIONS RELATIVE TO PAST OPERATION(S) (IF KNOWN): WE HAVE BEEN THE ONLY TENANT AT THIS ADDRESS —

A. HAVE YOU OR THE PREVIOUS OCCUPANT(S) USED ANY SOLVENTS? ___YES ___NO

IF YES, PLEASE EXPLAIN_____

_____

_____

_____

B. DID YOU OR THE PREVIOUS OCCUPANT(S) HAVE A DEGREASER? ___YES ___NO

C. DID YOU OR THE PREVIOUS OCCUPANT(S) HAVE A CLARIFIER OR OTHER STRUCTURES (TANKS, SUMPS, ETC.) ___YES ___NO

D. DID YOU OR THE PREVIOUS OCCUPANT(S) HAVE A DRUM STORAGE AREA? ___YES ___NO

E. DID YOU OR THE PREVIOUS OCCUPANT(S) HAVE A SEPTIC TANK SYSTEM? ___YES ___NO

F. DID YOU OR THE PREVIOUS OCCUPANT(S) HAVE A INDUSTRIAL WASTE PERMIT FOR SEWER DISCHARGE? ___YES ___NO

G. DID YOU OR THE PREVIOUS OCCUPANT(S) PERFORM ANY METAL WORK? ___YES ___NO

H. DID YOU OR THE PREVIOUS OCCUPANT(S) DO ANY PLATING AND/OR PAINTING WORK? ___YES ___NO

Signature: Fred W Ibsch Date: 6/5/95

Printed Name: FRED W IBSCH

Title: OWNER Phone #: (818) 767 7440

Please use the other side for additional information, as needed

City of LOS ANGELES
CALIFORNIA

LOS ANGELES FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3680

Business No.: FA0008829
Business Name: ROSCOE SHEET METAL WORKS
Business Mailing Address:
SUN VALLEY, CA 91352
Storage Address: 8508 N SAN FERNANDO RD

Date:
Last Inspection Date: 10/03/2002
Permit Date: 07/01/2004
RFI Request No:
RFI Requestor Name:

Chemical & Ingredients	Haz. Mat. Type	Max. Qnt on hand:	Yearly Qnt	Product Storage Type	Physical State
-		0	0		
ACETYLENE(In-active) Inactivated on: 10/03/2002	1	200	800		G
-		0	0		
OXYGEN(In-active) Inactivated on: 10/03/2002	1	230	920		G

DATE 10-4-02 NEW USER ☐

INSPECTOR'S NAME KURIMOTO INSPECTOR NO. 449

BUSINESS NO. 8824-0 FS 8 18 19 23 24 28 37 41

BUSINESS NAME Roscoe Sheet Metal 69 70 71 74 75 76 77 81 82 87 91

ACTION: *(Automatically entered by Data Entry)* 96 98 103 104 107

- ☐ (EJ) Disclosure Amendment or Additional Applications Given or Sent
- ☐ (BI) Notification of Business Plan Requirements
- ☒ (DA) Approval of Business Plan *(Date)* 10-7-02
- ☐ (VA) Inventory Verified By On-Site Inspection *(Date)*
- ☐ (EG) Warning Notice for Failure to Disclose
- ☐ (BG) Warning Notice for Failure to Submit Business Plan
- ☐ Medical Exemption Approved *(Signature)*

INACTIVE

DATA ENTRY INSTRUCTIONS: *(Circle desired form to make instruction clear and check off appropriate boxes)*

- ☒ Enter Highlighted Changes on BP-1 / BP-8
- ☐ Enter Inventory On Amendment / Disclosure
- ☐ Inactivate Business *(Journal Entry Should Be Included)*
- ☐ Other Instructions: *(For example: Enter I Codes; Combine Businesses under one BP number)*

OCC. JURISDICTION HIRS HZMT VIND VINS VPSU VS&C CO See Reverse For Journal ☐

INSPECTOR TIMEKEEPING: I1 .5 I2 _____ I3 .5

K-5 (Emergency Information)_____ K-6 (Inventory) _____

K-7 (Business Plans)_____ K-8 (Site Map) _____

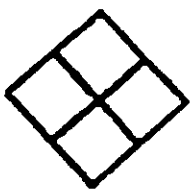
K-9 (Other Code Enforcement)_____ *(K-Codes are entered automatically)*

STATUS:	YES	NO
Business Plan Required	☐	☐
Government Agency	☐	☐
Cancel Certificate	☒	☐

Reason:
- ☐ Out of Business
- ☐ Moved Location
- ☐ No Hazardous Materials
- ☐ Change of Ownership
- ☒ Below Disclosure Level

704 DATA: Write out in linear format (i.e., 2-3-2 COR)

_____



Area Covered by Placard:

_____

_____

Data Entry Name: CF Data Entry Date: 10/4/02

CITY OF LOS ANGELES
CALIFORNIA

Business Information

DEPARTMENT OF FIRE
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 485-6080

Printed on: 10/01/2002

INSTRUCTIONS: Please complete and sign this form; your signature indicates that the information, as supplied, is accurate.

Business Number: 008829-0 This is your current business plan number. This number must appear on all business plan forms!

Business Name: ROSCOE SHEET METAL WORKS

Address Where Business is Conducted: 8508 N SAN FERNANDO RD
LOS ANGELES, 91352

Mailing Address: P.O. BOX 114
SUN VALLEY, CA 91352

Other On-Site Addresses:

Briefly describe the nature of the hazardous materials operations: _____

Number of Employees: 2 **Dun & Bradstreet Number:** - -

SIC Code: 3400

CONTACT	WORK #	24 HOUR #	PAGER #
Owner Name: FRED W IBSCH		( ) -	( ) -
On-Site Manager:	( ) - 818 767-7447	( ) -	( ) -
Emergency Contact:	( ) -	( ) -	( ) -
2nd Emergency Contact: Steve Ibsch	( ) -	( ) -	( ) -

X Luis F. Hernandez

Signature of Legal Business Owner/Authorized Representative **Title** **Date**

Business Plan has been reviewed and approved: _____

Office Use Only Insp. ID: _____ Date: _____ D/E ID: _____ Date: _____ TS: _____

CITY OF LOS ANGELES
CALIFORNIA

DEPARTMENT OF FIRE
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 485-8080

Hazardous Materials System

BP-8: Computer Listing of Inventory Submitted

Inspection Responsibility: VI

Business No: 008829-0
First In: 077

Printed on: 10/01/2002

Business Name:	ROSCOE SHEET METAL WORKS	Business Address:	8508 N SAN FERNANDO RD	Last Inspection Date:	10/28/1999
Business Owner:	FRED IBSCH		LOS ANGELES, 91352	SIC Code:	3400
On-Site Manager:		Phone #:	( ) -	# of Employees:	2
Emergency Contact:		Phone #:	( ) -	Sq. Ft. of Facility:	3000
Alt Emerg Contact:		Phone #:	( ) -	Permit Date:	08/19/2002

Chemical & Ingredients	WST	Max Quantity on Hand / Max %	Storage Types / CAS #	Fed Haz Category	State	Hazard Class
Location:	**NFPA-704: - -**					**Products: 2**
ACETYLENE	PURE	200 CUBIC FEET	CYLINDER	ACUTE HEALTH	GAS	FLAMMABLE MATERIAL
ACETYLENE		0%	0000000074862			
OXYGEN	PURE	230 CUBIC FEET	CYLINDER	ACUTE HEALTH	GAS	NONFLAMMABLE COMPRESSED
OXYGEN		0%	0000007782447			

My signature indicates that I have verified and agreed with the types and quantities of hazardous materials at this address

INSP SIG: _____ INSP DATE: _____ BUS. REP SIG: X Luis F. _____ DATE: _____ DE SIG: _____ DATE: _____

Total Pages: 1

below disclosure level

ANNUAL INVENTORY UPDATE

ROSCOE SHEET METAL WORKS

8508 N. SAN FERNANDO RD.
LOS ANGELES, CA. 91352

Facility ID: 008829-0

California Health and Safety Code Chapter 6.95 requires all handlers of hazardous materials to ***annually update*** *their hazardous material inventory with the local administering agency on or before* ***March 1.*** *The Los Angeles Fire Department, as that agency, processes and maintains business emergency response plans and inventories for businesses within the City.*

Annual Inventory Update (choose one method):

☐ **Modify existing business information and inventory** (attached to this letter) **OR**

☐ **Submit entire inventory** (complete business information and chemical inventory forms) **OR**

☐ **Complete Certification Statement** (below) stating that the most recent inventory (attached to this letter) is complete, accurate and up to date.

The Certification Statement can be used if all of the following apply:

1. *Business has previously filed the hazardous materials inventory report*
2. *Company official signs* ***Certification Statement*** *and attests to:*
   a) *most recently submitted inventory is complete, accurate and up to date*
   b) *no change in quantity of hazardous materials in that inventory*
   c) *all hazardous materials are listed in that inventory*
3. *Business is not subject to EPCRA (Emergency Planning and Community Right to Know Act) reporting requirements*

CERTIFICATION STATEMENT:

I certify that I am the business owner or officially designated representative of the business listed at the top of this form.

I certify that the information contained in the hazardous materials inventory most recently submitted to the Los Angeles Fire Department CUPA is complete, accurate, and up to date.

And that there has been no change in the quantity of hazardous materials reported in the most recently submitted inventory.

And that no hazardous materials subject to inventory requirements are being handled that are not listed on the most recently submitted inventory.

Fred M Olsen
Name

2/23/2001
Date

Owner
Title

Facility ID: 008829-0

RETURN TO:

City of Los Angeles Fire Department
Fire Prevention Bureau - Technical Section
200 N. Main Street, Room 970
Los Angeles, CA 90012

DATA ENTRY INSTRUCTION FORM (DEIF)

DATE 11.1.99 NEW USER ☐

INSPECTOR'S NAME KURIMOTO INSPECTOR NO. 449

BUSINESS NO. 8829-0 FS DIST. 8 18 24 70 74 (77)

BUSINESS NAME Roscoe Sheet Metal 81 87 91 96 98 103 104 107

ACTION: *(Automatically entered by Data Entry)*

- ☐ (EJ) Disclosure Amendment or Additional Applications Given or Sent
- ☐ (BI) Notification of Business Plan Requirements
- ☒ (DA) Approval of Business Plan *(Date)* 10-25-99
- ☑ (VA) Inventory Verified By On-Site Inspection *(Date)* 10-28-99
- ☐ (EG) Warning Notice for Failure to Disclose
- ☐ (BG) Warning Notice for Failure to Submit Business Plan
- ☐ Medical Exemption Approved *(Signature)*

DATA ENTRY INSTRUCTIONS: *(Circle desired form to make instruction clear and check off appropriate boxes)*

- ☐ Enter Highlighted Changes on BP-1 / BP-8
- ☐ Enter Inventory On Amendment / Disclosure
- ☐ Inactivate Business *(Journal Entry Should Be Included)*
- ☐ Other Instructions: *(For example: Enter I Codes; Combine Businesses under one BP number)*

OCC. JURISDICTION HIRS HZMT VIND VINS VPSU VS&C (CO) See Reverse For Journal ☐

INSPECTOR TIMEKEEPING: I1 .5 I2 _____ I3 .5

K-5 (Emergency Information)_____ K-6 (Inventory) _____

K-7 (Business Plans)_____ K-8 (Site Map) _____

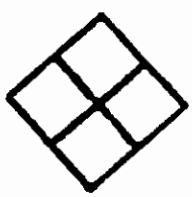
K-9 (Other Code Enforcement)_____ *(K-Codes are entered automatically)*

STATUS:	YES	NO
Business Plan Required	☐	☒
Government Agency	☐	☒
Cancel Certificate	☐	☒

Reason:
- ☐ Out of Business
- ☐ Moved Location
- ☐ No Hazardous Materials
- ☐ Change of Ownership
- ☐ Below Disclosure Level

704 DATA: Write out in linear format (i.e., 2-3-2 COR)

_____



Area Covered by Placard:

_____

_____

Data Entry Name: Data Entry Date:

BUSINESS INFORMATION

INSTRUCTIONS: Please complete and sign this form; your signature indicates that the information, as supplied is accurate.

Business Plan Number: 008829-0 THIS IS YOUR CURRENT BUSINESS PLAN NUMBER.
THIS NUMBER MUST APPEAR ON ALL BUSINESS PLAN FORMS!

Business Name: ROSCOE SHEET METAL WORKS

Address Where Business Is Conducted: 8508 N SAN FERNANDO RD

LOS ANGELES CA 91352

Other On-Site Addresses: _____

_____

_____

_____

Legal Business Owner Name:	FRED W IBSCH	WORK PHONE NUMBER (818) 845-5958
On-Site Manager:	FRED W IBSCH	(818) 845-5958
		EMERGENCY PHONE NUMBER (24-HOUR)
Emergency Contact:	FRED W IBSCH	(818) 845-5958
Alternate Emergency Contact:	RAMONA IBSCH	(818) 845-5958

Standard Industrial Classification (SIC) Code of Business: 3400

Dun & Bradstreet Number: _ _-_ _ _-_ _ _ _

MAILING ADDRESS: PO BOX 114

SUN VALLEY CA 91352

Briefly describe the nature of the hazardous materials operations:

_____

_____

Number of Employees: 2 Square Footage of Facility: 3,000

_____ _____ _____

Signature of Legal Business Owner/Authorized Representative Title Date

Business Plan has been reviewed and approved: _____

****

Office Use Only Insp. I.D.:_____ Date:_____ D/E I.D.:_____ Date:_____ TS:_____

REPORT NO: IHMSR500
RUN DATE : 10/17/1996

HAZARDOUS MATERIALS SYSTEM
BP-8: COMPUTER LISTING OF INVENTORY SUBMITTED
INSPECTION RESPONSIBILITY: FIRE STATION

PAGE : 1
BUSINESS #: 008829-0
FIRST IN : 77
BLOCK # :

BUS NAME : ROSCOE SHEET METAL WORKS
BUS OWNER : FRED W IBSCH
ON-SITE MANAGER : FRED W IBSCH
EMERG CONTACT : FRED W IBSCH
ALT EMERG CONTACT: RAMONA IBSCH

ADDR: 08508 N SAN FERNANDO RD
PH #: 818-845-5958
PH #: 818-845-5958
PH #: 818-845-5958

BUS PLN REVW: 10/01/1996 INV VERIFIED: 10/23/90
SIC CODE : 3400
NO OF EMPLOYEES : 2
SQ FT OF FACILITY : 3,000

SEQ	EXT HAZ	MATERIAL DESCRIPTION / INGREDIENTS	WST MAX%	MAXIMUM QUANTITY AT ANY TIME / CAS NO.	STORAGE TYPES	HEALTH & PHYS HAZ	ST	HAZARD CLASS
LOCATION:		LAFD#: 024070-001-1 NFPA-704:						PRODUCTS: 2
4		ACETYLENE		200.00 CF	GAS CYLINDER	ACUTE	G	FLAMMABLE MAT
		ACETYLENE	1PPM	74-86-2				
3		OXYGEN		230.00 CF	GAS CYLINDER	ACUTE	G	NONFLAM COMP GAS
		OXYGEN	100%	7782-44-7				

MY SIGNATURE INDICATES THAT I HAVE VERIFIED AND AGREED WITH THE TYPES AND QUANTITIES OF HAZARDOUS MATERIALS AT THIS ADDRESS

INSP SIG: _____ INSP DATE: _____ BUS REP SIG: Luis F. _____ DATE: _____ DE SIG: _____ DATE: _____

Luis Fauch

DATA ENTRY INSTRUCTION FORM (DEIF)

DATE 10-1-96 NEW USER ☐

INSPECTOR'S NAME WORTH INSPECTOR NO. 449

BUSINESS I.D. 582P-0 FS DIST. 8 18 24 70 74 75 (77) 81 87 91 96 98 103 104 107

BUSINESS NAME ROSCOE MOSS TRUCK LINES

ACTION: *(Automatically entered by Data Entry)*

- ☐ (EJ) Disclosure Amendment or Additional Applications Given or Sent
- ☐ (BI) Notification of Business Plan Requirements
- ☑ (DA) Approval of Business Plan *(Date)* 10-1-96
- ☐ (VA) Inventory Verified By On-Site Inspection *(Date)*
- ☐ (EG) Warning Notice for Failure to Disclose
- ☐ (BG) Warning Notice for Failure to Submit Business Plan
- ☐ Medical Exemption Approved *(Signature)*

READ AND APPROVED BY QUALITY CONTROL TLD DEC 10 1996

DATA ENTRY INSTRUCTIONS: *(Circle desired form to make instruction clear and check off appropriate boxes)*

- ☐ Enter Highlighted Changes on BP-1 / BP-8
- ☐ Enter Inventory On Amendment / Disclosure
- ☐ Inactivate Business *(Journal Entry Should Be Included)*
- ☐ Other Instructions: *(For example: Enter I Codes; Combine Businesses under one BP number)*

(Was code remain at per ck 10-17-96)

OCC. JURISDICTION (S.J.) COR ✓ See Reverse For Journal ☒

INSPECTOR TIMEKEEPING: I1 T ✓ I2 _____ I3 T ✓

K-5 (Emergency Information) _____ K-6 (Inventory) _____

K-7 (Business Plans) T ✓ K-8 (Site Map) _____

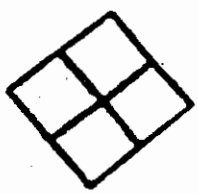
K-9 (Other Code Enforcement) _____ *(K-Codes are entered automatically)*

STATUS:	YES	NO
Business Plan Required	☑	☐
Government Agency	☐	☑
Cancel Certificate	☐	☑

Reason:
- ☐ Out of Business
- ☐ Moved Location
- ☐ No Hazardous Materials
- ☐ Change of Ownership
- ☐ Below Disclosure Level

704 DATA: Write out in linear format (i.e., 2-3-2 COR)

_____



828 Permit No.: _____

Area Covered by Placard:

_____

_____

Data Entry Name: CT Data Entry Date: 10-17-96

DATA ENTRY INSTRUCTION FORM

Revised: 02-27-90
Date: 10-23-90
Inspector ID: [illegible]
Inspector Name: BRINKMAN

INSPECTOR ACTIONS

Date			
Field Hrs.			
Office Hrs.			

TOTALS:
Field Hrs.: ____
Office Hrs.: ____
TOTAL HRS.: 14

New User (Back)
Data Review
Division & Renewals (Back)

DATA ENTRY INSTRUCTIONS

Business No.: 8829-0 LAFD No.: ____

Type: V Action: A
Type: ____ Action: ____
Type: ____ Action: ____

- ( ) CHANGE B-P-1
- (X) CHANGE BP-8
- (X) ENTER AS "DA"

REMOVE METAL FROM INVENTORY.

BUSINESS PLAN INSPECTION RESULTS (BP-9)

INSPECTION ACTION CODES:

FA = Accept Plan - Field
FR = Accept Plan with Deficiency Letter
DA = Accept Plan - Desk Review
DR = Accept Plan Desk Review with Deficiency Letter
FX = No Business Plan Required (Check Box Below)
FO = Out of Business (Check Box Below)

BUSINESS NO.: ____ **BUSINESS NAME:** ____

Review/Inspection Date: ____ Inspection Action (Circle One): FA FR DA DR FX FO

340-C No.: ____ 340-C Issue Date: ____ Sq. Footage Correction ____

INSPECTION JOURNAL (Include Name of Person You Met With and Date): ____

Journal Continued on Back: ☐ Yes ☐ No

Potential RMPP Candidate: ☐ Yes ☐ No ☐ Unsure

If Inspection Action is "FX", Check One Below:
- ☐ Exemption (Explain)
- ☐ Hazmat Reduced to 801 Level
- ☐ Retail Sales
- ☐ (A) Bus. No Longer Contain Hazmat (Inactive)

If Inspection Action is "FO", Check One Below:
- ☐ (B) Out of Business
- ☐ (C) Business Moved to Another Location
- ☐ (D) Business Ownership Change
- ☐ (I) Other (Explain in Inspection Journal)

Data Entry Name: [signature] Data Entry Date: 11-3-90

8829-0

BUSINESS INFORMATION (BP-1)

INSTRUCTIONS: The information below was submitted by your business to the Los Angeles City Fire Department. Review all the information and make any necessary changes to update your record. Cross out any information that is incorrect and insert the correct or missing information in the space provided. Sign the bottom of this form. Your signature indicates that this information is accurate as corrected by you.

LAFD Number: 024070-001-1 THIS IS YOUR CURRENT LAFD ACCOUNT NUMBER. THIS NUMBER MUST APPEAR ON ALL BUSINESS PLAN FORMS!

Address Where Business Is Conducted: 8508 N SAN FERNANDO RD Zip Code: 91352

Unit Type: INDUSTRIAL BLDG. Unit Number: ____

(Examples of Unit Types: apartment, bay, building, berth, basement, dock, floor, foyer, gate, hangar, loft, level, mezzanine, office, pad, penthouse, pier, roof, room, runway, stage, shop, slip, space, stall, suite, terminal, track, unit.)

		WORK PHONE NUMBER
Business Owner Name:	FRED W IBSCH	(818) 845-5958
On-Site Manager:	FRED W IBSCH	(818) 845-5958
		EMERGENCY PHONE NUMBER (24-HOUR)
Emergency Contact:	FRED W IBSCH	(818) 845-5958
Alternate Emergency Contact:	RAMONA IBSCH	(818) 845-5958

Standard Industrial Classification (SIC) Code of Business: 3400

Below is your mailing address. Please make corrections on the space provided to the left.

P.O. BOX 114

ROSCOE SHEET METAL WORKS
8508 SAN FERNANDO RD
SUN VALLEY CA 91352

Describe the business operations that use or handle hazardous materials:

SHEET METAL JOB SHOP.

Maximum number of employees: 2 Total square footage of facility: 3000

Fred W Ibsch — Signature of Business Owner or Authorized Representative

Owner. — Title

7/31/88 — Date

| Office Use Only | 902:____ Insp. I.D.:____ Date:____ D/E I.D.:____ Date:____

AUG 04 1988

BUSINESS PLAN HAZARDOUS MATERIALS INVENTORY (BP-2) DATE: 7/31/88 LAFD #: 024070-001-1 PAGE 1 OF 2

INSTRUCTIONS: READ ALL THE INSTRUCTIONS BELOW AND PHOTOCOPY EXTRA COPIES OF THIS FORM BEFORE COMPLETING IT. (DO NOT REPORT HAZARDOUS WASTE ON THIS FORM)

1. COMPLETE A SEPARATE FORM FOR EACH BUILDING, OUTDOOR AREA, UNDERGROUND TANK OR ROOM WHERE HAZARDOUS MATERIALS ARE LOCATED. USE BOX BELOW TO SPECIFY THE LOCATION OF THE HAZARDOUS MATERIALS LISTED ON THIS FORM.

LOCATION OF HAZARDOUS MATERIALS: COMPLETE ALL ITEMS IN BOX

BUSINESS NAME: Roscoe Sheet Metal Wks. ADDRESS: 8508 San Fernando Rd. Sun Valley Cal. 91352

ROOM NAME OR NUMBER: _____ BUILDING NAME, OUTDOOR AREA, OR UNDERGROUND TANK NUMBER _____

2. WHEN SUBMITTING A BUSINESS PLAN INVENTORY, ONLY INCLUDE HAZARDOUS MATERIALS HANDLED OR STORED IN AMOUNTS TOTALING 55 GALLONS, 500 POUNDS, 200 CUBIC FEET, OR MORE, AND NOT PRE-PACKAGED FOR DIRECT DISTRIBUTION TO, AND USE BY, THE GENERAL PUDLIC. COMPLETE ITEMS 1-10 FOR EACH HAZARDOUS MATERIAL STORED OR HANDLED AT THE LOCATION SPECIFIED ABOVE. INCLUDE RAW MATERIALS, FINISHED CHEMICAL PRODUCTS, AND CHEMICALS MANUFACTURED OR REPACKAGED. USE THE ENCLOSED TABLE OF CODES FOR ITEMS 4, 5, and 7.

ADDITIONAL INSTRUCTIONS: ITEM 1: ENTER PRODUCT NAME. ITEM 2: ENTER MAXIMUM QUANTITY HANDLED OR STORED AT ANY ONE TIME AT THE ABOVE LOCATION; INCLUOE UNITS (POUNDS, GALLONS, CUBIC FEET). ITEM 3: ENTER TOTAL YEARLY QUANTITY HANDLED OR STORED AT THE ABOVE LOCATION; INCLUDE UNITS (POUNDS, GALLONS, CUBIC FEET). ITEM 4: ENTER ALL TYPES OF CONTAINERS USED TO STORE THE PRODUCT (USE TABLE 1) ITEM 5: ENTER ALL THE HEALTH AND PHYSICAL HAZARD CODES THAT APPLY TO EACH PRODUCT (USE TABLE 2). ITEM 6: ENTER THE PHYSICAL STATE OF THE PRODUCT (S = SOLID, L = LIQUID, G = GAS). ITEM 7: ENTER THE ONE HAZARD CLASS THAT APPLIES TO THE PRODUCT (USE TABLE 3). ITEM 8: (X) THIS ITEM IF PRODUCT OR ANY INGREDIENT IS EXTEREMLY HAZARDOUS. ITEM 9: ENTER INGREDIENTS AND PERCENT OF CONCENTRATION. ITEM 10: ENTER THE CAS (CHEMICAL ABSTRACT SERVICE) NUMBERS FOR EACH HAZARDOUS INGREDIENT.

****

-1- CHEMICAL OR PRODUCT NAME: Galvanized Sheet - Hot Dipped / Electrolytic Coated

-2- MAXIMUM QUANTITY ANY TIME	-3- TOTAL YEARLY QUANTITY	-4- STORAGE TYPES table 1	-5- HEALTH & PHYSICAL HAZARDS table 2	-6- PHYS. STATE	-7- HAZARD CLASS table 3	-8- (X) EXTREMELY HAZARDOUS
6,000 LBS	24000 LBS	P	1 L	S X	IC	
			2	L		
			3			
			4	G		
			5			

-9- HAZARDOUS CHEMICAL INGREDIENTS & PERCENTAGE OF EACH — -10- CAS NUMBERS OF EACH INGREDIENT

Base Metal Iron	(Balance) %	65997-19-5
Carbon	.08/.10 %	
Manganese	.25/.50 %	
Phos. Phoros	.15 %	
Sulfur	.05 %	
Aluminum	.10 %	

****

-1- CHEMICAL OR PRODUCT NAME: Metallic Coating of Material Above

-2- MAXIMUM QUANTITY ANY TIME	-3- TOTAL YEARLY QUANTITY	-4- STORAGE TYPES table 1	-5- HEALTH & PHYSICAL HAZARDS table 2	-6- PHYS. STATE	-7- HAZARD CLASS table 3	-8- (X) EXTREMELY HAZARDOUS
			1	S		
			2	L		
			3			
			4	G		
			5			

-9- HAZARDOUS CHEMICAL INGREDIENTS & PERCENTAGE OF EACH — -10- CAS NUMBERS OF EACH INGREDIENT

	%	
Zinc	.10 %	
Aluminum	0.04 %	
Antimony	0.02 %	
Lead	0.02 %	
Iron	0.1/1.5 %	

FOR OFFICE USE ONLY: INSP. ID _____ INSP. INT. _____ DATE _____ DATA ENTRY ID _____ DATA ENTRY INIT AB DATE 8/25/88

LAFD #: 024070-001-1

SHORT-FORM BUSINESS PLAN INDEX
BP-4

WHO MAY COMPLETE A SHORT-FORM BUSINESS PLAN?

Only a business fitting all the descriptions below may use the short-form business plan. All others must complete a Standard Business Plan Index (BP-5).

1. A business with less than 40,000 square feet (including building size and outside hazardous materials and hazardous waste areas).

2. A business occupying less than four stories.

3. A business that is not required to have a Division 4 Fire Permit for Hazardous Materials from the Los Angeles City Fire Department (as per Section 57.04.03 of the Los Angeles City Fire Code).

This form is to be used as a checklist for elements required to be WRITTEN INTO a Short From Business Plan. All elements must be submitted in the following order.

SHORT FORM BUSINESS PLAN REQUIRED ELEMENTS	ELEMENT ATTACHED AND COMPLETE - (BUSINESS TO INITIAL AND DATE)	PAGE No.	REVIEW FOR ADEQUACY OFFICIAL USE ONLY (INITIAL AND DATE)
1. BP-1 (BUSINESS INFORMATION).....	FWD 7/31/88	___	_____
2. BP-2 (BUSINESS PLAN HAZARDOUS MATERIALS INVENTORY).	FWD 7/31/88	___	_____
3. BP-3 (BUSINESS PLAN HAZARDOUS WASTE INVENTORY).....	_____	___	_____
4. BP-4 (SHORT FORM BUSINESS PLAN INDEX).....	FWD 7/31/88	___	_____

IF YOUR BUSINESS QUALIFIES TO USE THE SHORT FORM BUSINESS PLAN:

Carefully complete this entire form. Type or print neatly using dark ink that will reproduce on a copy machine. Attach extra sheets as needed to answer the questions in the detail needed to describe the hazards at your business.

NOTIFICATION PROCEDURES - in the event of reportable hazardous materials or waste release or threatened release:

1. Will the State Office of Emergency Services, OES, (telephone number 1-800-852-7550 or 1-916-427-4341) immediately be notified? Check one: ___ yes X no.

2. Will local emergency response personnel immediately be notified by dialing 911? Check one: X yes ___ no. If business has an additional emergency response notification system, explain here.

7. PREVENTION – Describe what action your business will take to prevent a hazardous materials or waste release from occurring.

FOLLOW FIRE DEPARTMENTS RECOMENDATIONS REGARDING FIRE PROCERATION WHEN THEY INSPECT EVERY YEAR.

8. ABATEMENT (STOP THE HAZARD): Describe what actions your business will take to stop any hazard caused by the release of a hazardous material or waste.

WITH THE TYPES OF MATERIALS WE HAVE THERE IS NO HAZARD OF RELEASE IN THERE NATURAL STATE, ONLY IF THEY REACH 1100°+ THERE FOR WE WILL DO WHAT WE CAN TO PREVENT A CHANCE OF FIRE BY FOLLOWING RECOMENDATIONS BY OUR LOCAL FIRE DEPARTMENT.

EMPLOYEE TRAINING

9. Describe the training new employees who work with hazardous materials or waste receive on safe handling.

MATERIALS USED ARE NOT HAZARDOUS IN THERE NATURAL STATE. AND EMPLOYEES ARE TOLD THAT WHEN THEY ARE GRINDING OR WELDING TO WEAR, GLOVES, GOGGLES, AND DO WORK IN A VENTILATED AREA. THIS IS ALSO ENFORCED BY MANAGEMENT.

10. Describe the refresher training employees who work with hazardous materials or waste receive on safe handling.

BY WORD OF MOUTH WHEN EVER NECESSARY

EMPLOYEE TRAINING

11. Describe how new employees are trained who are responsible for coordinating with local emergency response organizations.

OWNERS RESPONSIBILITY - EMERGENCY PHONE NUMBERS POSTED IN OFFICE AND BY PHONE IN SHOP.

BUS. NAME: ROSCOE SHEET METAL WORKS ADDR: 08508 N SAN FERNANDO RD BUS. PLN RCVD:08/04/88 INVENTORY VERIFIED: 0/ 0/

SEQ	EXT HAZ	PRODUCT OR WASTE NAME	(RAW) (WASTE)	MAXIMUM QUANTITY AT ANY TIME	STORAGE TYPES	HEALTH & PHYS HAZ	STATE	HAZARD CLASS	INGREDIENTS		MAX %	CAS NO.
LOCATION:				LAFD#: 024070-001-1								PRODUCTS: 4
3		OXYGEN	R	230.00 CF	GAS CYLINDER	ACUTE	G	OXIDIZERS 1A	OXYGEN		100 %	007-782-447
4		ACETELYNE	R	200.00 CF	GAS CYLINDER	ACUTE	G	FLAMMABLE MAT	C2H2		98 %	74-86-2
									HYDROGEN SULFIOE, AMMO		1 PPM	
1		~~GALVANIZED~~ SHEET - HOT	R	6,000.00 LB	UNSPECIFIED	ACUTE	S	IRRITANTS	BASE METAL IRON	BAL	0 %	65997-19-5
		REMOVE - THIS IS SHEET STEEL							CARBON		1 %	
									MAGANESE		150 PPM	
									* PHOSPHORUS		0 %	
									SULFUR		0 %	
									ALUMINUM		0 %	
									ZINC		0 %	
									ANTIMONY		0 %	
									LEAD		0 %	
									IRON		1 %	
2		~~HOT OR COLD ROLLED~~ STE	R	4,000.00 LB	UNSPECIFIED	ACUTE	S	IRRITANTS	BASE METAL IRON	BAL	0 %	65997-19-5
		REMOVE - THIS IS SHEET STEEL.							CARBON		0 %	
									MAGANESE		0 %	
									* PHOSPHORUS		0 %	
									SULFUR		0 %	
									ALUMINUM		0 %	

INSP SIG:_____ INSP DATE:_____ BUS REP SIG:_____ DATE:_____ DE SIG: BOS 11.3.90 DATE:_____

APPLICATION FOR CERTIFICATE OF DISCLOSURE OF HAZARDOUS SUBSTANCES

024070-001-1

DEC 3 1 1986 024070-001-1 PART A 3

FILL OUT AND RETURN PAGE 2, 3, 5 & 6 WITH PAYMENT

INSTRUCTIONS: COMPLETE ALL ITEMS BELOW. ALL SIGNATURES MUST BE INCLUDED. RETURN BOTH COPIES OF PART A, AND PARTS B AND C. TYPE OR PRINT NEATLY.

BUSINESS TAX # 231031-38 POLICE/FIRE PERMIT # 8829-0 BUSINESS'S STANDARD INDUSTRIAL CLASSIFICATION, SIC CODE

FOR OFFICE USE ONLY	FD	CLASS	MC	PC	PERIOD	AMOUNT	PT. DT.	LAFD 902 CODE
	F	510	P	21	A 01	$15.00	12-31-86	

LEGAL NAME OF BUSINESS: (DO NOT ENTER FICTITIOUS NAME OR DBA) FRED IBSCH PHONE 818-845-5958

LOCATION WHERE HAZARDOUS MATERIALS OR WASTE ARE HANDLED OR STORED: ADDRESS 8508 SAN FERNANDO ROAD (STREET NO. / FULL STREET NAME) UNIT #

CITY SUN VALLEY STATE CALIF. ZIP 91352 UNIT TYPE

BUILDING NAMES
LIST THE NAMES OR NUMBERS OF ALL BUILDINGS AT THIS STREET ADDRESS WITH HAZARDOUS MATERIALS OR WASTE.

DOING BUSINESS AS (DBA) [illegible]
ENTER FICTITIOUS NAME HERE, IF APPLICABLE

IN CARE OF [illegible] BUSINESS MAILING ADDRESS [illegible]
P.O. BOX, STREET # AND NAME STATE ZIP

NAME OF BUSINESS OWNER [illegible] PHONE [illegible]

NAME OF ON SITE MANAGER [illegible] PHONE [illegible]

PRIMARY EMERGENCY CONTACT [illegible] EMERGENCY PHONE 845-5958

ALTERNATE EMERGENCY CONTACT EMERGENCY PHONE 196

NAME OF PROPERTY OWNER [illegible] MAILING ADDRESS

CITY SUN VALLEY STATE CALIF. ZIP [illegible] PHONE #

BRIEFLY DESCRIBE THE NATURE OF YOUR BUSINESS (USE ADDITIONAL SHEET IF NECESSARY) [illegible]

FABRICATE SHEET METAL [illegible] FLASHINGS [illegible]

PERMIT INFORMATION:

REVIEW THE LIST OF AGENCY NAMES. IF YOUR BUSINESS HAS A PERMIT ISSUED BY ANY OF THEM FOR HAZARDOUS SUBSTANCES OR WASTE, GIVE THE PERMIT NUMBER.

		PERMIT NUMBER
A	L.A. FIRE DEPT. (FIRE PERMIT)	
B	L.A. BUREAU OF SANITATION (INDUSTRIAL WASTE)	
C	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	
D	STATE HEALTH SERVICES (RADIOACTIVE MAT'L LICENSE)	
E	L.A. COUNTY HEALTH DEPT. (GENERATORS HAZARDOUS WASTE)	
F	E.P.A. IDENTIFICATION NO. (GENERATORS HAZARDOUS WASTE)	
G	E.P.A. IDENTIFICATION NO. (HAZARDOUS WASTE HAULER)	
H	E.P.A. IDENTIFICATION NO. (HAZARDOUS WASTE FACILITY - TSD)	
I	REGIONAL WATER QUALITY CONTROL BOARD	
J	OTHER AGENCY, SPECIFY NAME	

APPROVED CERTIFICATE

BP 443

FEE EXEMPTION: IF YOUR ESTABLISHMENT IS A GOVERNMENT AGENCY, CHECK HERE _____. GOVERNMENT AGENCIES MUST FILE AN APPLICATION FOR DISCLOSURE AND SUBMIT THE INVENTORY; HOWEVER, NO FEE IS REQUIRED.

REMIT TO:
CITY OF LOS ANGELES
ELIAS MARTINEZ, CITY CLERK
TAX AND PERMIT DIVISION
P.O. BOX 30626
LOS ANGELES, CA. 90030-0626

SIGNATURES: Read paragraphs A & B below. All signatures must be included.
PLEASE NOTE: IT IS UNLAWFUL FOR ANY PERSON TO KNOWINGLY VIOLATE ANY PROVISION OF THIS ORDINANCE.

I CERTIFY UNDER PENALTY OF PERJURY, THAT THE ABOVE INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

A) I AGREE TO COMPLY WITH ALL REGULATIONS, LAWS AND ORDINANCES PERTAINING TO OR REGULATING THE ABOVE BUSINESS THAT ARE NOW IN EFFECT OR THAT MAY BE HEREAFTER ADOPTED.

B) IF THE CITY DETERMINES THAT NO CERTIFICATE AND/OR FEE IS REQUIRED, I AUTHORIZE THE CITY CLERK TO REFUND THE TOTAL PAYMENT. I UNDERSTAND THAT NO REFUND CAN BE MADE WITHOUT THE SIGNATURE.

[illegible] OWNER [illegible]
SIGNATURE OF BUSINESS OWNER OR AUTHORIZED REPRESENTATIVE, TITLE DATE

SIGNATURE OF ON-SITE MANAGER TITLE DATE

SIGNATURE OF BUSINESS OWNER OR AUTHORIZED REPRESENTATIVE TITLE DATE

OFFICE USE ONLY MASTER CODE [illegible] DATE [illegible] 09-18 LAFD SIGNATURE _____ DATE _____

024070-001-1

STRETCHCOAT

8540 Tujunga Avenue

8540 Tujunga Avenue
Sun Valley, CA 91352

[illegible]	Anastacio G. Medina	FAUM	B. Wojcik S. Ibrahim

Date 3-7-86 No. 0590

HAZARDOUS MATERIALS EMERGENCY INCIDENT SUMMARY

NAME/DBA Stretch Coat
8540 Tujunga Blvd.
Sun Valley

I. REPORTED BY Ivan Forbes AGENCY Industrial Waste PHONE 818/989-8494
NATURE OF COMPLAINT green substance discharging to the street from drums.

DATE OF INCDT 2-27-86 TIME REC'D 4:00 p.m. TIME OCC'D 2-25-86
LACHD ARRIVAL ON SCENE 5:30 p.m. DATE 2-27-86
INVESTIGATOR'S FINDINGS Paint mfg. Co. discharged water based latex paint to the street, a violation of industrial waste ordinance. Spill was absorbed with sand and shoveled into dump.

MATERIALS INVOLVED/VOLUME water-based latex paint - approx. 10 gals.
HAZARDOUS NATURE OF SUSPECTED MTL non-hazardous
EXTENT OF ENVIRONMENTAL IMPACT none

II. COMPANY INVOLVED/ADDRESS Stretch Coat, 8540 Tujunga Blvd., Sun Valley

COMPANY OWNER/OFFICER(S) Tony Pelayo -Plant Mgr.
II. NO. PERSONS EXPOSED none SYMPTOMS -
EMERGENCY REMEDIAL ACTIONS none

CLEAN-UP COMPANY cleanup done by Stretch Coat
CLEAN-UP PAID BY EST COST TO LAC -0-
CLEAN-UP STARTED - CLEAN-UP COMPLETED -
DEPARTED SCENE 6:30 p.m. COST RECOVERY ACTION

IV. AGENCIES CONTACTED none
RESPONDING AGENCIES/NAMES LACHD (Wojcik & Ibrahim); LA City Industrial Waste (Ivan Forbes).
ANTICIPATED LEGAL ACTION none
REMARKS Notice of Violation issued by Industrial Waste & County Health to Stretch Coat Co.
Liability to county - none.

cc: Al Hearne
Joe Karbus

To Xerox

Date 3-4-86 Time 8:30

A MESSAGE FOR YOU

Mr.
Mrs.
Miss Lee Myers

of 8540 Tajunga Ave. Sun Val

Phone (818) 767-0318

Telephoned	✓	Please Call	
Called To See You		Will Call Again	
Wants To See You		Returned Your Call	

Message Is in Oregon, won't be back until March 17th (503) 899-1399 (oregon ph.) Has sold business & will have site cleared in 30 days.

Message Taken By Stan

76T275-PS

Subject Info

REMARKS →

1 of 1

HAZARDOUS WASTE CONTROL PROGRAM
EMERGENCY RESPONSE INFORMATION FORM

DATE 2-27-86 LOG NO. 0590

TIME REC'D 1600 Thomas Guide Pg/Grid

REC'D BY (WJ) TIME INCDT OCCURRED 2 days ago

DBA / LOCATION No Name (yellow on 1 bl fr/ bottle)
8550 & 8524 Tujunga Bl Sun Valley (530)

REPORTED BY IVAN FORBES AGENCY LAIW PHONE 789-8494

NATURE OF INCIDENT/LOCATION AFFECTED Cardboard drums by a dumpster - green substance oozing from bottom x (4-5 drums)

CHEMICAL TYPE/VOLUME- Unknown -

NO. PEOPLE EXPOSED/SYMPTOMS ~~0~~

ADDITIONAL REMARKS →

INVESTIGATOR(S) RESPONDING BW

REFERRALS MADE

TIME OF ARRIVAL

FIELD NOTES:

-

** Personnel taking information shall complete all sections, make a copy, and refer immediately to supervisor for case assignment.

SIC. 2851 HAZARDOUS WASTE CONTROL PROGRAM DATE 3-4-86

NAME: STRETCH COAT	STREET 8540 Tujunga Ave	CITY & ZIP Sun Valley 913	DISTRICT 65
Lee Myer	PERSON INTERVIEWED & TITLE Tony Pelayo Mgr	PHONE NO. (818) 767-0318 EMERGENCY NO.	NO. EMPLOYEES 2

PHL# 99154	INDUSTRIAL WASTE NO	EPA NO.

FACILITY & DESCRIPTION OF OPERATION/PRODUCTS: Paint Manufacturer (Water Base Paint)

SAFETY SHOWER NO
EATING AREA NO
TOILET & WASHING FACILITIES ADEQUATE: Yes
PERSONNEL PROTECTIVE DEVICES ADEQUATE: Yes
PLANT SANITATION ADEQUATE Yes

ESS	MATERIAL	CONTROL	I.H. HAZARD	HAZARDOUS WASTE TYPE	VOL./LBS.	STORAGE METHOD	DISPOSAL METHOD	MANIFEST
Mixing	Duramide Titanium			Waste Paint	55gal	Drum	Still looking for Someone to pick up	
	Resins Solvent (Organic solvent)		Flammable					
	Ammonia							
	Mineral Spirit		Flammable					
	Methanol		Flammable					
	Exskin #2							
	Butyl Oxitol							
	Coo Chuck (Corrosion & Rust Chem)							

F UNDERGROUND STO TANKS None
TYPE OF WASTE IN UNDERGROUND TANK: N/A
DISPOSAL SYSTEMS ON PREMISES? YES X NO

ACCESS TO STORM DRAIN INLET ON PREMISES: YES ___ NO X
CHLORINATED HYDROCARBON USED: YES ___ NO X
SEWER CONNECTION ON PREMISES: YES ___ NO X

PHL used
No MSDS available.
Sample of paint (water base) spilled was taken for heavy metal Analysis

NS:

ACTION: NOV

SURVEY CONDUCTED BY: S. Shaha

22221 PCH

~~[illegible]~~ spill of diesel fuel - Leaking from 5,000 gal Tank into Vault

Yellow Buck Bld Labs
8500 - 8540 Tujunga Blvd
Sun Valley, leaking

arrived 5:30pm

LACHD - Wood Plating
Industrial Waste - Forbes

ER
2/27/86

Stretch Coat
8540 Tujunga Blvd
Sun Valley

Tony Pelayo - Mgr.
owner

Latex Paint discharged to street - greenish color.

To Sharri

Date 3-3-86 Wed. Time 8:45

A MESSAGE FOR YOU

Mr.
Mrs.
Miss Lee Myer

of Oregon

Phone

Telephoned		Please Call	
Called To See You		Will Call Again	
Wants To See You		Returned Your Call	

Message Called again.
Told him to call you
at Lab.

Message Taken By Stan Townsend

76T275—PS

c) Viola will be done

COUNTY OF LOS ANGELES DEPARTMENT OF HEALTH SERVICES
PREVENTIVE/PUBLIC HEALTH
ENVIRONMENTAL MANAGEMENT

District _____
Sanitarian _____

MISCELLANEOUS ESTABLISHMENT

Type Est. 2898
Health Lic. No. 100-494154

Trade Name STRETCH COAT Address 8540 TUJUNGA Av. Sun Valley Phone (818) 767-0318
Owner Lee Myer Address Same 91352 Phone Same
Manager Tony Pelayo Address _____ Phone Same
No. Bldgs. 1 Type Bldg. _____ No. Vending Mach. _____ No. Employees 2

Date & Initials	3/4/86 SI	11/4/84 P													
CONDITION: Poor															
CONDITION: Fair	01/02														
CONDITION: Good															
CONDITION: Excellent															
Number of Violations	2														
Dates to Abate	Forthwith	R													

file - New Owner - New business

H-769 (1-66)
76M467 PS 4-83

BT

8540 Tujunga
Sun Valley, C

REMARKS: 11-4-86 out of business - new owners Calaya Rental Enc. - not a hazardous waste generator

1135

DEPARTMENT OF PUBLIC WORKS
City of Los Angeles

BUREAU OF SANITATION
Research & Planning Division
2[illegible] Norris Place, Los Angeles 90031
485-5886

In Replying Refer to No.

Pollution
No. 39663

NOTICE OF VIOLATION OF INDUSTRIAL WASTE CONTROL REGULATIONS

818

the Owner, Lessee, Manager, or other person having charge of the following premises: 767-0318

TRETCH CO (LEE MEYER) 8540 Tujunga AV Sun Valley 91352
Name of Industry or Business Address Phone

You are hereby notified to discontinue violation of the Municipal Code and of the regulations of the Board of Public Works in the manner of discharge of industrial waste from your premises into the City sewer, storm drain, channel, watercourse, or other type disposal facility, as indicated below: LAMC 64.30 A.2(C); B 4,7,5

- ☐ Over ____ p.p.m. of grease or oil
- ☐ Flammable or explosive substance
- ☐ pH less than 5.5 or greater than 11.0
- ☐ _____
- ☐ _____
- ☐ Discharging without Permit
- ☐ Exceeding water pollution sewer standards
- ☒ Exceeding water pollution storm drain standards
- ☐ Exceeding Heavy Metals and other toxicants standards
- ☐ Annual, Surcharge, Delinquent, Fee unpaid

You are therefore directed to:

- ☐ Apply for an Industrial Waste Permit within _____ ( ) days.
- ☐ Comply with provisions of Permit within _____ ( ) days.
- ☒ Cease and desist from further discharge ~~within~~ ILLEGAL immediately ( ) days
- ☒ Submit plan to provide Containment for Approval

OVER

WARNING: Violation of the Municipal Code is a misdemeanor, punishable by a fine of $500 or imprisonment for 6 months, or both. Continued violations for each succeeding day constitute a separate offense.

Notice served to Tony Pelayo, Owner, Lessee, Manager, or _____

- ☐ Personal Service
- ☐ Registered Mail

2-27, 1986
Date of Service

DL not available

L. Forbes
Industrial Waste Inspector

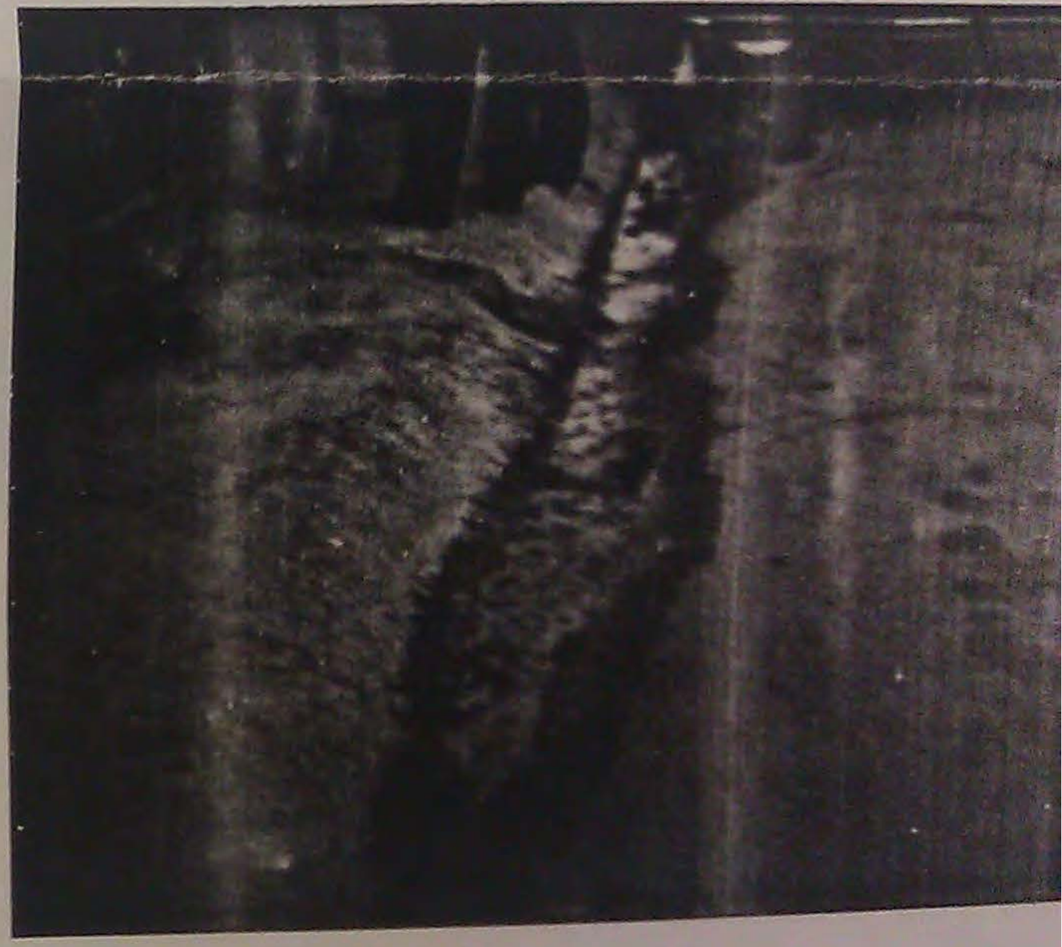
To the City of Los Angeles within 10 days

3-12) maintain drums in enclosed area.
clean industrial waste from
street gutter

4) Write Letter containing:
a) what caused violation
b) what was done to eliminate violation.
c) what will be done to insure no future violations.
Send To the Director of Sanitation
RM 1410 200 N Main ST LA 90012

HAZARDOUS WASTE CONTROL PROGRAM

Rm 1410 200 N Main ST LA 90012



Ref. NOV 39663

2-27-85, 5:45 PM, 8540 Tujunga Av S.V.

Ref: NOV 39663

2-27-85, 5:45 PM, 8540 Tujunga Av. S.V.

PLEASE PRINT

COUNTY OF LOS ANGELES – PUBLIC HEALTH LICENSE APPLICATION

ACCT 494154

TODAY'S DATE 3/4/86 DL # _____

DATE BUSINESS STARTED 01 01 86 (MO DAY YR)

OWNER(S) NAME(S) STRETCH COAT (LAST, FIRST AND MIDDLE INITIAL)

BUSINESS CODE 100

PARTNER(S) MYER LEE (LAST, FIRST AND MIDDLE INITIAL)

DOING BUSINESS AS - TRADE NAME STRETCH COAT

DISTRICT CODE 13

BUS. ADDRESS: 8540 (BEGINNING NO.) _____ (ENDING NO.) _____ (FRACTION) _____ (DIR) TUJUNGA (STREET) AVE

SV (CITY) 91352 (ZIP CODE)

MAILING ADDRESS: 8540 (NUMBER AND STREET) TUJUNGA AVE

SUN VALLEY (CITY) CA (STATE) 91352 (ZIP CODE)

TYPE OF BUSINESS TO BE LICENSED: Hazardous Waste Generator

SIC # 2898

~~VEH. LICENSE NO./ NO. OF MACHINES~~

PHONE (818) 767-0316

PREVIOUS ACCOUNT NUMBER IF ANY _____

SIGNATURE OF APPLICANT: Tony Pelayo

SIGNATURE OF FIELD REPR: Samir L. Ghattas

FOR TAX COLLECTORS USE

CURRENT FEE $	
PRORATION $	
PENALTY $	
PRIOR YEAR FEE $	
PRIOR YEAR PEN $	
PAY-TOTAL FEE DUE $	

75PH63A - 8/83

COUNTY OF LOS ANGELES • DEPARTMENT OF HEALTH SERVICES

313 NORTH FIGUEROA STREET • LOS ANGELES, CALIFORNIA 90012

DHS

PUBLIC HEALTH PROGRAMS

Lawrence D. Roberts, Acting
Deputy Director

MARTIN D. FINN, M.D., M.P.H.
Medical Director

Reply refer to
2615 South Grand Avenue, Room 867
Los Angeles, CA 90007
(213) 744-3223

DATE: October 7 1986

TO: Stretch Coat c/o La Mayas ADDRESS: 6510 Tujunga Ave Sun Valley

SUBJECT: Waste Paint storage ADDRESS:

In order to comply with the State Health and Safety Code / California Administrative Code, you are directed to take the following actions marked below.

X 1) Discontinue immediately the disposal of hazardous wastes (Paint Wastes) to unauthorized locations ( ).

___ 2) Discontinue immediately the transport of hazardous wastes ( ) off site except by a registered hazardous waste hauler, under manifest and to a State Health Department permitted facility.

___ 3) Remove and legally dispose by _____, all hazardous wastes / contaminated materials discharged to / stored at _____. (NOTE: All hazardous waste transported off site by vehicle must be transported under Hazardous Waste Manifest, by a State Health Department registered hauler).

___ 4) Provide this office by _____, a site assessment and decontamination plan for the above subject contaminated area.

X 5) Provide this office by March 6 1987, a photo copy of the completed manifest receipt used to dispose of Paint.

X 6) Store by Fortunato, all hazardous waste in a secure, contained, weather proof and well posted manner pursuant to California Administrative Code, Title 22, Section 66508, 67120.

X 7) Store by Fortunato, all hazardous waste in non-leaking, properly labeled and dated containers with tight fitting lids.

___ 8) Discontinue the storage of hazardous waste / treatment of hazardous waste for longer than _____ without written permission from the State Department of Health Services (213) 620-2380.

___ 9) Maintain copies of all hazardous waste manifests and receipts at the above subject facility for agency review.

___ 10) Obtain an EPA Number from the State Department of Health Services (213) 620-2380 or (916) 324-1781 prior to transport of any hazardous waste off site.

___ 11) Provide this office by _____, a copy of a hazardous materials contingency plan and employee training plan for the above subject facility pursuant to California Administrative Code, Title 22, Sections 67120 to 67145 and 67105.

___ 12) Additional Requirements: _____

Bruce Wyatt

RECEIVED BY: Larry Phelps INSPECTOR: _____

HAZARDOUS WASTE CONTROL PROGRAM

PRIORITY _____

(explain) _____

_____

County of Los Angeles
Department of Health Services
Occupational Health Division
Hazardous Waste Control Program
2615 S. Grand Ave. - 6th Floor
Los Angeles, CA 90007
(213) 744-3223

LOS ANGELES COUNTY
DEPARTMENT OF HEALTH SERVICES
PUBLIC HEALTH LABORATORIES

HAZARDOUS WASTE SAMPLE ANALYSIS REQUEST

PART I: FIELD SECTION

Collector S. Ibrahim Date Sampled 3-4-86 Time 10:30 Hours

Location of Sampling STRETC COAT
name of company, disposal site, etc.

Address 8540 Tujunga Av. Sunvalley CA
number street city state zip

Telephone ( ) _____ Company Contact Lee Myer

FIELD NO.	SI-1					
SAMPLE OF	Soil					
LOCATION OF SAMPLE	Paint on ground South Side of Building					
ANALYZE FOR	Cu, Cr, Cd, Ni Pb, Zn					

REMARKS: Total & Leachable

PART II: LABORATORY SECTION

LAB NO.						
FINDINGS						

PART III: CHAIN OF POSSESSION

	Signature	Agency/Organization	Inclusive Dates	
1.	Tarin L. Ibrahim	Haz Waste Prog.	3-4-86	3-5-86
2.	Jonathan Chu	Public Health Lab	3-5-86	
3.				
4.				
5.				

PRIORITY _____

(explain) _____

_____

County of Los Angeles
Department of Health Services
Occupational Health Division
Hazardous Waste Control Program
2615 S. Grand Ave. - 6th Floor
Los Angeles, CA 90007
(213) 744-3223

LOS ANGELES COUNTY
DEPARTMENT OF HEALTH SERVICES
PUBLIC HEALTH LABORATORIES

HAZARDOUS WASTE SAMPLE ANALYSIS REQUEST

PART I: FIELD SECTION

Collector S. Ibrahim Date Sampled 3-4-86 Time 10:30 Hours

Location of Sampling STRETC COAT
name of company, disposal site, etc.

Address 8540 Tujunga Av. Sunvalley CA
number street city state zip

Telephone ( ) _____ Company Contact Lee Myer

FIELD NO.	SI-1					
SAMPLE OF	Solid					
LOCATION OF SAMPLE	Paint on ground South Side of Building					
ANALYZE FOR	Cu, Cr, Cd, Ni Pb, Zn					

REMARKS: Total & Leachable

PART II: LABORATORY SECTION

LAB NO.	TW-193-86					
FINDINGS	Total mg/kg	Leachable mg/l				
Pb	30	0.5				
Zn	10	0.1				
Cr	10	0.2				
Cd	ND	ND				
Cu	210	ND				
Ni	5	0.3	Jonathan Cho 3-14-86			

PART III: CHAIN OF POSSESSION

	Signature	Agency/Organization	Inclusive Dates	
1.	Samir L. Ibrahim	Haz Waste Prog.	3-4-86	3-5-86
2.	Jonathan Cho	Public Health Lab	3-5-86	
3.				
4.				
5.				

8540 Tujunga Avenue

ACTION:

T.H.
HAZARD
CONTROL
MANIFEST

AUTOMOTIVE

PELAYO RENTAL INC.

COMPRESSORS
WATER BLASTERS
ROOF MASTIC APPLICATORS
AIRLESS PAINT SPRAYERS

TONY PELAYO
8540 Tujunga Avenue
Sun Valley, CA 91352

OPEN 7 DAYS
7 a.m. TO 5 p.m.
(818) 767-1016

PREMISES: Yes No X
SED: YES NO X
SES: YES NO

COUNTY OF LOS ANGELES DEPARTMENT OF HEALTH SERVICES
HAZARDOUS WASTE CONTROL PROGRAM

SIC.

DATE: 11-4-84

COMPANY NAME	STREET	CITY & ZIP	DISTRICT
Pelayo Rental Inc	8540 Tujunga Ave	Sun Valley 91352	
OWNER	PERSON INTERVIEWED & TITLE	PHONE NO. (818) 767-1016	NO. EMPLOYEES
Tony Pelayo	Tony Pelayo owner	EMERGENCY NO.	1

L.A. CO. PHL NO.	INDUSTRIAL WASTE NO.	EPA NO.
Ø		

TYPE OF FACILITY & DESCRIPTION OF OPERATION/PRODUCTS:
Rent compressors - airless paint sprayer

SAFETY SHOWER Ø
EATING AREA Ø
TOILET & WASHING FACILITIES ADEQUATE Ø
PLANT SANITATION ADEQUATE Ø

HAZARDOUS WASTE

PROCESS	MATERIAL	TYPE	VOL/LBS	STORAGE METHOD	DISPOSAL METHOD	MANIFEST	CONTROL	I.H. HAZARD
Repair	Ø							

NUMBER OF UNDERGROUND STORAGE TANKS: Ø
VOLUME & TYPE OF WASTE IN UNDERGROUND TANK(S): Ø
PRIVATE DISPOSAL SYSTEMS ON PREMISES: YES X NO ___

ACCESS TO STORM INLET ON PREMISES: Yes ___ No X
CHLORINATED HYDROCARBON USED: YES ___ NO X
SEWER CONNECTION ON PREMISES: YES ___ NO X

REMARKS: not a hazardous waste generator

VIOLATIONS:

REFERRAL TO:

ACTION:

SURVEY CONDUCTED BY: [signature]

Repair Spirit spray equipment

Tony Pelayo

add hydraulic fluid

no cleaning

BENJAMIN — Done 02/14/92 — 912046

all reviewed

Mario

8540 Tujunga Avenue
Sun Valley, CA 91352

HazMat Emergency Incident Report

Log #	Incident Date	Date On Scene
931629	06/16/93	06/16/93

Team #	Team Leader	Team Assistant	Time On Scene	Date Left Scene	Time Left Scene
211	Feldman 004	Cervantes 044	13:15	06/16/93	14:45

Time Notified	Date Notified	Time Occurred	Report Agent	Agent Name	Agent Callback #
12:35	06/16/93	:	I42	BOB	818-768-8729

Site Name	Location
CITY STREET	08540 TUJUNGA AV LA 91352

Complaint
There is a leaking drum in the gutter.

Incident Grade: Moderate

Agencies On Scene	Agencies Contacted	Other	Incident Commander	Commander Name
	I42	N	Z99	FELDMAN

(1) Chemical or Trade Name	Hazard	State Stored	State Released	Quantity Stored
WASTE OIL	T	o solid • liquid o gas	o solid • liquid o gas	55.000 o lbs • gal o cu ft

Quantity Released	Released to	Extent of Release	Container Type	Material	Container Capacity
20.000 o lbs • gal o cu ft	■ pavement □ water □ soil □ air □ other	6	D	M	55.000 o lbs • gal o cu ft

Container	# of Containers	Additional Information
o fixed • mobile	1	The complaint information is correct.

Release Factors		HMCP Actions (✓)	Other Agency Actions (×)	
Intentional Act	Fire	✓ Establish Safe Area	✓ Contact Agencies	Board Memo Issued
Suspicious Act	Explosion	✓ HazCat	✓ Investigate	Take Samples
✓ Abandoned	✓ Spill	Evacuation	✓ Call Clean Up Co.	No Action Taken
Mechanical Failure	Unknown	Contact PRP	× Remove Hazard	NOV Issued
Collision/Overturn	No Release	Contact OES	Provide Public Info	Hearing Issued
		Contact EPA	Contact DoHS	PHL Issued
Other		Other		Road Closure

Responsible Party Business Name	Authorized Representative Name
UNKNOWN	

RP Address	RP Phone #
	- -

Authority for Clean Up	Clean Up Company	Cost	Site Entry Level
Private Land Owner Business ✓ City 42 County State Federal Other		$ 1,200	o A o B o C • D o No Entry
	Name: CONTAINERIZED CHEMICAL		Property Use: City Street 4855
	Time On Scene: 15:00	Time Complete: 17:00	Surrounding Area: Commercial Property 4850
	Date On Scene: 06/16/93	Date Left Scene: 06/16/93	Program Referral: □ Site Mit □ Enforcement □ Inspect

(1) # of Persons Exposed	Ref Chem #(s)	Symptoms
0		

(2) # of LA County Employees Exposed	Ref Chem #(s)	Symptoms
0		

Additional Information

Agen: A-SQAMD;B-Business;C-CalTrans;D-Citizen;E-EPA;F-Fire;f-F HazMat;G-Fish&Game;H-CHP;I-Ind Waste;L-Coast Guard;M-St Maint;N-Oth Co;O-Inc City;P-Police;p-P HazMat;R-Oth Fed;S-Sheriff;T-Det;W-Flood;X-Other;Y-SDHS;Z-HMCP
Hazard: A-Acid;B-Base;C-Combust;D-Drug;E-Expl;F-Flam;I-Infect;K-Irrit;N-Non;O-Oxid;P-Pois;R-Reac;T-Toxic;U-Unknown;W-Water Reactive
Extent: 1-Vehic;2-Equip;3-Floor;4-Structure;5-Property;6-Beyond;7-No;8-Unknown
Container Type: B-Bags/Boxes;C-Carboy/Can/Bottle;D-Drum;G-Gas Cylinder;N-No Container;R-Rail Car;T-Tank;V-Vehicle (Truck/Car)
Material: G-Glass;M-Metal;N-No Container;P-Plastic;U-Unknown;W-Paper/Wood
Prop Use/Surr Area: 2408-Residence;2469-School;2477-Medical Facil;4842-U.S. Forest;4844-Vacant;4848-Office Bldg;4850-Commercial Prop;4855-City Street;4856-Highway;4857-County Facil;4858-Incorp City;4859-Other Govt Agency

HAZMAT EMERGENCY INCIDENT REPORT

			931629	06/16/93		DATE ON SCENE 06/16/93
TEAM # 211	TEAM LEADER Feldman	TEAM ASSISTANT Cervantes	TIME ON SCENE 13:15	DATE LEFT SCENE 06/16/93	TIME LEFT SCENE 14:45	TIME NOTIFIED 12:35
DATE NOTIFIED 06/16/93	TIME OCCURRED XX:XX	REPORT AGENT 42	AGENT NAME Bob		AGENT CALLBACK # (818) 768-8729	

SITE NAME: City street | LOCATION (STREET): 8540 Tujunga | (CITY): Sunland | (ZIP): 91040

COMPLAINT: There is a leaking drum in the gutter

INCIDENT GRADE: M | INCIDENT COMMANDER (NAME): 299 Feldman

AGENCIES ON SCENE: | AGENCIES CONTACTED: 142 | OTHER:

(1) CHEMICAL OR TRADE NAME	HAZARD	PHYSICAL STATE STORED	PHYSICAL STATE RELEASED
Waste Oil	I	1 solid 2 ✓ liquid 3 gas	1 solid 2 ✓ liquid 3 gas

QUANT STORED	QUANT RELEASED	RELEASED TO	EXTENT OF RELEASE	CONTAINER TYPE MAT	CONTAINER CAPACITY
55 ✓gal cu ft	20 ✓gal cu ft	1 ✓pavement 4 air 2 water 5 other	6	D M	55 ✓gal cu ft

CONTAINER: fixed ✓ mobile | # OF CONTAINERS: 1 | ADDITIONAL INFORMATION: The complaint information is correct.

(2) CHEMICAL OR TRADE NAME	HAZARD	PHYSICAL STATE STORED	PHYSICAL STATE RELEASED
		1 solid 2 liquid 3 gas	1 solid 2 liquid 3 gas

QUANT STORED	QUANT RELEASED	RELEASED TO	EXTENT OF RELEASE	CONTAINER TYPE MAT	CONTAINER CAPACITY
lbs gal cu ft	lbs gal cu ft	1 pavement 4 air 2 water 5 other			lbs gal cu ft

CONTAINER: fixed mobile | # OF CONTAINERS | ADDITIONAL INFORMATION

RELEASE FACTORS

- INTENTIONAL ACT
- SUSPICIOUS ACT
- ✓ ABANDONED
- MECHANICAL FAILURE
- COLLISION / OVERTURN
- FIRE
- EXPLOSION
- ✓ SPILL
- UNKNOWN
- NO RELEASE
- OTHER

HMCP ACTIONS (✓) OTHER AGENCY ACTIONS (X) ___ BOARD MEMO ISSUED

- ✓ ESTABLISH SAFE AREA
- ✓ HAZCAT
- EVACUATION
- CONTACT PRP
- CONTACT OES
- CONTACT EPA
- ✓ CONTACT AGENCIES
- ✓ INVESTIGATE
- ✓ CALL CLEAN UP CO.
- ✓ REMOVE HAZARD
- PROVIDE PUBLIC INFO
- CONTACT DOHS
- TAKE SAMPLES
- NO ACTION TAKEN
- NOV ISSUED
- HEARING ISSUED
- PHL ISSUED
- ROAD CLOSURE
- OTHER

RP INFORMATION
BUSINESS NAME Unknown
AUTH REP NAME
ADDR
PHONE # (___) ___-____

AUTHORITY FOR CLEAN UP
- PRIVATE LAND OWNER
- BUSINESS
- ✓ CITY (42)
- COUNTY
- STATE
- FEDERAL
- OTHER

CLEAN UP COMPANY COST 1200
NAME Containerized Chemical
TIME ON SCENE 1500 | TIME COMPLETE 2200
DATE ON SCENE 06/16/93 | DATE LEFT SCENE 06/16/93

SITE ENTRY LEVEL	PROPERTY USE	SURROUNDING AREA	PROGRAM REFERRAL
A B C ✓D NO ENTRY	4855	4850	SITE MIT ENFORCEMENT INSPECT

(1) # OF PERSONS EXPOSED	REF. CHEM # (S)	SYMPTOMS:
0	___.___.___	No symptoms were reported.

(2) # OF LACO EMPLOYEES EXPOSED	REF. CHEM # (S)	SYMPTOMS:
0	___.___.___	No symptoms were reported.

INCIDENT TIME 4:

INCIDENT DATE 10-16-93

INCIDENT LOG NUMBER 93162

RDOUS MATERIALS PROGRAM
ENCY RESPONSE COORDINATOR Brouchard

PRELIMINARY REPORT OF HAZARDOUS WASTE INCIDENT

EPORTING / RESPONDING AGENCIES OR PERSONS

THERE ARE THREE BLANKS IN THE SECTIONS. IN THE FIRST BLANK ENTER A LETTER FROM BELOW. IN THE SECOND AND THIRD BLANKS ENTER THE CORRESPONDING CITY CODE FROM WHICH THE AGENCY OR PERSON ORIGINATES.

A- SCAQMD
B- BUSINESS COMPLAINT
C- CALTRANS
D- CITIZEN COMPLAINT
E- EPA
F- FIRE
F*-FIRE HAZMAT UNIT
G- FISH AND GAME
H- CHP
I- INDUSTRIAL WASTE
L- COAST GUARD
M-STREET MAINTENANCE
N- OTHER COUNTY AGENCY
O- NCORP CITY AGENCY
P- POLICE
p*-POLICE HAZMAT UNIT
Q- PARK RANGER
R- OTHER FEDERAL AGENCY
S- SHERIFF
T- DOT
W-FLOOD CONTROL
X- OTHER
Y- CAL-EPA
Z- HMCP

HAZARD

A-ACID
B-BASE
C-COMBUSTIBLE
D-DRUG/PHARM.
E-EXPLOSIVE
F- FLAMMABLE
G-CARCINOGEN
I- INFECTIOUS
K-IRRITANT
N-NONHAZARDOUS
O-OXIDIZER
P- POISON
Q-PESTISIDE
R-REACTIVE
T-TOXIC
U-UNKNOWN
W WATER REACTIVE

INCIDENT GRADI

VS- VERY SEVERE
S- SEVERE
M- MODERATE
L- LOW LEVEL
N- NONHAZARDOU

HAZCAT RECORD (+/-)

APPEARANCE:

FLAMMABILITY —
COMBUSTIBILITY —
SPECIFIC GRAV. —
WATER REACT. —
WATER SOL. —
CHLORINATED HYDROC

CONTAINER TYPE

B- BAGS / BOXES
C- CARBOY / CAN / BOTTLE
D- DRUM
G- GAS CYLINDER
N- NO CONTAINER
R- RAIL CAR
S- SYRINGE / TEST TUBE / VIAL
T- TANK
V- VEHICLE (TRUCK / CAR)

CONTAINER MATERIAL

G- GLASS
M-METAL
N- NO CONTAINER
P- PLASTIC
U- UNKNOWN
W-PAPER / WOOD

EXTENT OF RELEASE

1. CONFINED TO VEHICLE
2. CONFINED TO EQUIPMENT
3. CONFINED TO FLOOR OF ORIGIN
4. CONFINED TO STRUCTURE OF ORIGIN
5. CONFINED TO PROPERTY USE OF ORIGI
6. RELEASE BEYOND PROPERTY OF ORIGI
7. NO RELEASE
8. UNKNOWN

PROPERTY USE AND SURROUNDING AREA CODES	2408 - RESIDENCE (MFD-2442)	4844 - VACANT LAND	4857 - COUNTY FACILITY	HAZARDOUS W
	2469 - SCHOOL	4848 - OFFICE BUILDING		PRODUCER CO
	2477 - MEDICAL FACILITY	4850 - COMMERCIAL PROPERTY	4858 - INCORP CITY	2251 - 1-9 emplo
	4840 - FLOOD CONTROL CHAN	4854 - CITY ALLEY	4859 - STATE GOVNMT	2252 - 10-19 emp
	4841 - SEWER	4855 - CITY STREET	4860 - FED GOVNMT	2253 - 20-49 emp
	4842 - U.S. FOREST LAND	4856 - HIGHWAY	4861 - UNINCORP CITY	2254 - 50-100 em

THE NUMBER CODE FOR A STATE OR FEDERAL AGENCY IS 00

ALL TIMES MUST BE STATED IN MILITARY-TIME

FORM REVISE DA

ADDITIONAL INFORMATION

PRELIMINARY REPORT OF HAZARDOUS WASTE INCIDENT

AZARDOUS MATERIALS PROGRAM
IERGENCY RESPONSE COORDINATOR Brougher

INCIDENT LOG NUMBER 931629

CIDENT DATE 04-16-93

INCIDENT TIME 1 : --

OTIFICATION DATE 04-16-93

NOTIFICATION TIME 12:35

ERSON NOTIFYING MCP

NAME BOB

OF (DEPT.) ---

PHONE # (818) 768-8125

DDRESS OF NCIDENT

PUBLIC STREET

SITE NAME (i.e., city street, county alley, vacant lot, business name)

8540 TUJUNGA AVE OFF OF PENROSE

NUMBER STREET NAME

SUNLAND 532-J1

CITY ZIP CODE THOMAS GUIDE COORDINATES

RESPONSIBLE PARTY ---

RESPONSIBLE PARTY ADDRESS

NUMBER STREET NAME

CITY ZIP CODE THOMAS GUIDE COORDINATES

CONTACT PERSON ---

PHONE #

NATURE OF INCIDENT LEAKING DRUM IN GUTTER

ADDITIONAL COMMENTS

EVACUATIONS, INJURIES, ILLNESSES, ETC.

FIELD INVESTIGATION TEAM FOUNTAIN AND CONNOLLY'S

EPORTING / RESPONDING AGENCIES OR PERSONS

HERE ARE THREE BLANKS IN THE SECTIONS. IN THE FIRST LANK ENTER A LETTER FROM BELOW. IN THE SECOND AND IRD BLANKS ENTER THE CORRESPONDING CITY CODE FROM HICH THE AGENCY OR PERSON ORIGINATES.

HAZARD

A-ACID
B-BASE
C-COMBUSTIBLE
D-DRUG/PARM

INCIDENT GRADES

VS-VERY SEVERE
S- SEVERE
M- MODERATE
L- LOW LEVEL

PRELIMINARY REPORT OF HAZARDOUS WASTE INCIDENT

7119

S → Penrose (W)

Arr 1[15]

Bill Gahnbert (I.W.

1-55, dm, 20g spill, ocl

(W) Arr 3[00]

Done 4[45]

Arapahoe
Just W of Hoover al 10 Olympic
634-B3

PRELIMINARY REPORT OF HAZARDOUS WASTE INCIDENT

HAZARDOUS MATERIALS PROGRAM EMERGENCY RESPONSE COORDINATOR: BROUGHER	INCIDENT LOG NUMBER: 93____
INCIDENT DATE: 06-16-93	INCIDENT TIME: 1__:__
NOTIFICATION DATE: 06-16-93	NOTIFICATION TIME: 12:35

PERSON NOTIFYING HMCP — NAME: BOB

OF (DEPT.): _____ PHONE #: (818) 768-8124

ADDRESS OF INCIDENT

PUBLIC STREET
SITE NAME (i.e., city street, county alley, vacant lot, business name)

8540 TUJUNGA AVE — OFF OF BONITA
NUMBER — STREET NAME

SUNLAND — 532-J1
CITY — ZIP CODE — THOMAS GUIDE COORDINATES

RESPONSIBLE PARTY: —

RESPONSIBLE PARTY ADDRESS

NUMBER — STREET NAME

CITY — ZIP CODE — THOMAS GUIDE COORDINATES

CONTACT PERSON: — PHONE #: _____

NATURE OF INCIDENT: LEAKING DRUM IN GUTTER

ADDITIONAL COMMENTS
EVACUATIONS, INJURIES, ILLNESSES, ETC.

FIELD INVESTIGATION TEAM: FOUNDATION AND CONSULTANTS

Team #	Team Leader	Team Assistant	Time On Scene	Date Left Scene	Time Left Scene
312	Benjamin 025	Feldman 004	10:20	06/14/91	:

Time Notified	Time Occurred	Report Agent	Agent Name	Agent Callback #
09:45	:	F42	CAPT SOMMERS	213-989-8677

Site Name	Location			
PUBLIC STREET	08540	TUJUNGA	AV	LA 91352

Complaint
One abandoned 55 gallon drum of unknown liquid chemical.

Agencies On Scene	Agencies Contacted	Other	Incident Commander	Commander Name
Z99	142	N	Z99	BENJAMIN

(1) Chemical or Trade Name	Hazard	Physical State Stored	Physical State Released
UNKNOWN	F	○ Solid ● Liquid ○ Gas	○ Solid ● Liquid ○ Gas

Quantity Released	Released to	Extent of	Container	Material	Container Capacity
1,000 ○ lbs ● gal ○ cu ft	■ pavement □ soil □ water □ air □ other	Release 6	Type D	M	○ lbs ● gal

Incident Grade
Severe

PRELIMINARY REPORT OF HAZARDOUS WASTE INCIDENT

HAZARDOUS MATERIALS PROGRAM
EMERGENCY RESPONSE COORDINATOR Brougher

INCIDENT LOG NUMBER 931629

INCIDENT DATE 06-16-93

INCIDENT TIME --:--

NOTIFICATION DATE 06-16-93

NOTIFICATION TIME 12:35

PERSON NOTIFYING HMCP

NAME BOB

OF (DEPT.) ____

PHONE # (818) 768-8129

ADDRESS OF INCIDENT

PUBLIC STREET
SITE NAME (i.e., city street, county alley, vacant lot, business name)

8540 TUJUNGA Ave OFF OF RONERO
NUMBER STREET NAME

SUNLAND 532-J1
CITY ZIP CODE THOMAS GUIDE COORDINATES

RESPONSIBLE PARTY —

RESPONSIBLE PARTY ADDRESS
NUMBER STREET NAME

CITY ZIP CODE THOMAS GUIDE COORDINATES

CONTACT PERSON — PHONE #

NATURE OF INCIDENT LEAKING DRUM IN GUTTER

ADDITIONAL COMMENTS
EVACUATIONS, INJURIES, ILLNESSES, ETC.

FIELD INVESTIGATION TEAM FOUNDATION AND CONSULTANTS

INCIDENT TIME : — | INCIDENT DATE 06-14-91

INCIDENT LOG NUMB 930622 | ZARDOUS MATERIALS PROGRAM — Benjamin — ERGENCY RESPONSE COORDINATOR

PRELIMINARY REPORT OF HAZARDOUS WASTE INCIDENT

Hazmat Emergency Incident Report

912046 | 06/14/91 | 06/14/91

Team #	Team Leader	Team Assistant	Time On Scene	Date Left Scene	Time Left Scen
312	Benjamin 025	Feldman 004	10:20	06/14/91	:

Time Notified	Time Occurred	Report Agent	Agent Name	Agent Callback #
09:45	:	F42	CAPT SOMMERS	213-989-8677

Site Name	Location			
PUBLIC STREET	08540	TUJUNGA	AV	LA 91352

Complaint
One abandoned 55 gallon drum of unknown liquid chemical.

Incident Grade: Severe

Agencies On Scene	Agencies Contacted	Other	Incident Commander	Commander Name
Z99	I42	N	Z99	BENJAMIN

(1) Chemical or Trade Name	Hazard	Physical State Stored	Physical State Released
UNKNOWN	F	○ Solid ● Liquid ○ Gas	○ Solid ● Liquid ○ Gas

Quantity Released	Released to	Extent of Release	Container Type	Material	Container Capacity
1.000 ○ lbs ● gal ○ cu ft	■ pavement □ water □ soil □ air □ other	6	D	M	55.000 ○ lbs ● gal ○ cu ft

Container ○ fixed ● mobile	# of Containers	Additional Information
	1	See reverse side.

Release Factors		HMCP Actions (✓)	Other Agency Actions (×)	Board Memo Issued
Intentional Act	Fire	Establish Safe Area	✓ Contact Agencies	Take Samples
Suspicious Act	Explosion	✓ HazCat	Investigate	No Action Taken
✓ Abandoned	Spill	Evacuation	Call Clean Up Co.	NOV Issued
Mechanical Failure	Unknown	Contact PRP	Remove Hazard	Hearing Issued
Collision/Overturn	No Release	Contact OES	Provide Public Info	PHL Issued
Other		Contact EPA	Contact DoHS	Road Closure
		Other		

Responsible Party Business Name	Authorized Representative Name
UNKNOWN	

RP Address	RP Phone #
	- -

Authority for Clean Up	Clean Up Company	Cost	Site Entry Level
Private Land Owner Business ✓ City 42 County State Federal Other	Name	$	○ A ○ B ○ C ○ D ● No Entry
	Time On Scene	Time Complete	Property Use: City Street 4855
	Date On Scene / /	Date Left Scene / /	Surrounding Area: Commercial Property 4850
			Program Referral □ Site Mit □ Enforcement □ Inspect

(1) # of Persons Exposed	Ref Chem #(s)	Symptoms
0		
(2) # of LA County Employees Exposed	Ref Chem #(s)	Symptoms
0		

Additional Information

Agen: A-EQAMD;B-Business;C-Caltrans;D-Citizen;E-EPA;F-Fire;f-F HazMat;G-Fish&Game;H-CHP;I-Ind Waste;L-Coast Guard;M-St Maint;N-Oth Co;O-Inc City;P-Police;p-P HazMat;R-Oth Fed;S-Sheriff;T-DoT;W-Flood;X-Other;Y-SDHS;Z-HMCP
Hazard: A-Acid;B-Base;C-Combust;D-Drug;E-Expl;F-Flam;I-Infect;X-Irrit;K-Nem;O-Oxid;P-Pois;R-Reac;T-Toxic;U-Unknown;W-Water Reactive
Container Type: B-Bags/Boxes;C-Carboy/Can/Bottle;D-Drum;G-Gas Cylinder;N-No Container;R-Rail Car;T-Tank;V-Vehicle (truck/Car)
Prop Use/Surr Area: 2400-Residence;2460-School;2477-Medical Facil;4642-U.S. Forest;4644-Vacant;4645-Office Bldg;4650-Commercial Prop;4655-City Street;4656-Highway;4657-County Facil;4658-Incorp City;4659-Other Govt Agency
Extent: 1-Vehic;2-Equip;3-Floor;4-Structure;5-Property;6-Beyond;7-No;8-Unknown
Material: G-Glass;M-Metal;N-No Container;P-Plastic;U-Unknown;W-Paper/Wood

...ENT INCIDENT REPORT

LOG NUMBER	INCIDENT DATE	DATE ON SCENE
912046	06/14/91	06/14/91

TEAM #	TEAM LEADER	TEAM ASSISTANT	TIME ON SCENE	DATE LEFT SCENE	TIME LEFT SCENE
312	BENJAMIN	FELDMAN	10:20	06/14/91	11:30

TIME NOTIFIED	TIME OCCURRED	REPORT AGENT	AGENT NAME	AGENT CALLBACK #
09:45	UNKN	F42	CAPT SOMMERS	(213) 989-8677

SITE NAME	LOCATION (STREET)	(CITY)	(ZIP)
PUBLIC STREET	8540 TUJUNGA	SUNVALLEY	91352

COMPLAINT
ONE ABANDONED (55 GAL) DRUM OF UNKNOWN LIQUID CHEMICAL

INCIDENT GRADE	INCIDENT COMMANDER (NAME)
S	Z99 BENJAMIN

AGENCIES ON SCENE	AGENCIES CONTACTED	OTHER
Z99	I42	

(1) CHEMICAL OR TRADE NAME	HAZARD	PHYSICAL STATE STORED	PHYSICAL STATE RELEASED
UNKNOWN	F	1 solid 2 ✓ liquid 3 gas	1 solid 2 ✓ liquid 3 gas

QUANTITY RELEASED	RELEASED TO	EXTENT OF RELEASE	CONTAINER TYPE	MATERIAL	CONTAINER CAPACITY	CONTAINER
<1 ✓gal cu ft	1 ✓pavement 2 water 3 soil 4 air 5 other	6	D	M	0055 ✓gal cu ft	✓ mobile

# OF CONTAINERS	ADDITIONAL INFORMATION
0001	SEE REVERSE SIDE

(2) CHEMICAL OR TRADE NAME	HAZARD	PHYSICAL STATE STORED	PHYSICAL STATE RELEASED
		1 solid 2 liquid 3 gas	1 solid 2 liquid 3 gas

QUANTITY RELEASED	RELEASED TO	EXTENT OF RELEASE	CONTAINER TYPE	MATERIAL	CONTAINER CAPACITY	CONTAINER
lbs gal cu ft	1 pavement 2 water 3 soil 4 air 5 other				lbs gal cu ft	fixed mobile

# OF CONTAINERS	ADDITIONAL INFORMATION

RELEASE FACTORS

- ___ INTENTIONAL ACT
- ___ SUSPICIOUS ACT
- ✓ ABANDONED
- ___ MECHANICAL FAILURE
- ___ COLLISION / OVERTURN
- ___ FIRE
- ___ EXPLOSION
- ___ SPILL
- ___ UNKNOWN
- ___ NO RELEASE
- ___ OTHER

HMCP ACTIONS (/) OTHER AGENCY ACTIONS (X) ___ BOARD MEMO ISSUED

- ___ ESTABLISH SAFE AREA
- ✓ HAZCAT
- ___ EVACUATION
- ___ CONTACT PRP
- ___ CONTACT OES
- ___ CONTACT EPA
- ✓ CONTACT AGENCIES
- ___ INVESTIGATE
- ___ CALL CLEAN UP CO.
- ___ REMOVE HAZARD
- ___ PROVIDE PUBLIC INFO
- ___ CONTACT DOHS
- ___ TAKE SAMPLES
- ___ NO ACTION TAKEN
- ___ NOV ISSUED
- ___ HEARING ISSUED
- ___ PHL ISSUED
- ___ ROAD CLOSURE
- ___ OTHER

RP INFORMATION
BUSINESS NAME UNKNOWN

AUTH REP NAME

ADDR

PHONE # (___)___-____

AUTHORITY FOR CLEAN UP
___ PRIVATE LAND OWNER
___ BUSINESS
✓ CITY (__ __)
___ COUNTY
___ STATE
___ FEDERAL
___ OTHER

CLEAN UP COMPANY
COST
NAME N/A
TIME ON SCENE __:__
DATE ON SCENE __/__/__
TIME COMPLETE __:__
DATE LEFT SCENE __/__/__

SITE ENTRY LEVEL	PROPERTY USE	SURROUNDING AREA	PROGRAM REFERRAL N/A
___A ___B ___C ___D ✓NO ENTRY	4855	4850	___ SITE MIT ___ ENFORCEMENT ___ INSPECT

(1) # OF PERSONS EXPOSED	REF. CHEM # (S)	SYMPTOMS:
00000	0.0.0	NONE REPORTED

(2) # OF LOCAL EMPLOYEES EXPOSED	REF. CHEM # (S)	SYMPTOMS:
000	0.0.0	NONE REPORTED

PRELIMINARY REPORT OF HAZARDOUS WASTE INCIDENT

No. _____ Date _____

TO	FROM
ELLEN AIKON, M.D. MEDICAL DIRECTOR/DEPUTY DIRECTOR	RALPH LOPEZ, DEPUTY ENVIRONMENTAL HEALTH/HEALTH FACILITIES

Subject: _____

THERE ARE THREE BLANKS IN THE SECTIONS. IN THE FIRST BLANK ENTER A LETTER FROM BELOW. IN THE SECOND AND THIRD BLANKS ENTER THE CORRESPONDING CITY CODE FROM WHICH THE AGENCY OR PERSON ORIGINATES.

A - SCAQMD
B - BUSINESS COMPLAINT
C - CALTRANS
D - CITIZEN COMPLAINT
E - EPA
F - FIRE
F* - FIRE HAZMAT UNIT
G - FISH AND GAME
H - CHP
I - INDUSTRIAL WASTE
L - COAST GUARD
M - STREET MAINTENANCE
N - OTHER COUNTY FACILITY
O - INCORP CITY OFFICE
P - POLICE
P* - POLICE HAZMAT UNIT
R - OTHER FEDERAL AGENCY
S - SHERIFF
T - DOT
W - FLOOD CONTROL
X - OTHER
Y - STATE DOHS
Z - HMCP

A - ACID
B - BASE
C - COMBUSTIBLE
D - DRUG/PHARM.
E - EXPLOSIVE
F - FLAMMABLE
I - INFECTIOUS
K - IRRITANT
N - NONHAZARDOUS
O - OXIDIZER
P - POISON
R - REACTIVE
T - TOXIC
U - UNKNOWN
W - WATER REACTIVE
V - VERY SEVERE
S - SEVERE
M - MODERATE
L - LOW LEVEL
N - NONHAZARDOUS

HAZCAT RECORD ( )

APPEARANCE:

FLAMMABILITY __ OXIDANT
COMBUSTIBILITY __ pH
SPECIFIC GRAV. __ CYANIDE
WATER REACT. __ SULFIDE
WATER SOL. __ CHROME
CHLORINATED HYDROCARBONS

CONTAINER TYPE

B - BAGS / BOXES
C - CARBOY / CAN / BOTTLE
D - DRUM
G - GAS CYLINDER
N - NO CONTAINER
R - RAIL CAR
T - TANK
V - VEHICLE (TRUCK / CAR)

CONTAINER MATERIAL

G - GLASS
M - METAL
N - NO CONTAINER
P - PLASTIC
U - UNKNOWN
W - PAPER / WOOD

EXTENT OF RELEASE

1. CONFINED TO VEHICLE
2. CONFINED TO EQUIPMENT
3. CONFINED TO FLOOR OF ORIGIN
4. CONFINED TO STRUCTURE OF ORIGIN
5. CONFINED TO PROPERTY USE OF ORIGIN
6. RELEASE BEYOND PROPERTY OF ORIGIN
7. NO RELEASE
8. UNKNOWN

PROPERTY USE AND SURROUNDING AREA CODES

2408 - RESIDENCE (MFD-2442)
2469 - SCHOOL
2477 - MEDICAL FACILITY
4842 - U.S. FORREST LAND
4844 - VACANT LAND
4848 - OFFICE BUILDING
4850 - COMMERCIAL PROPERTY
4855 - CITY STREET
4856 - HIGHWAY
4857 - COUNTY FACILITY
4858 - INCORP CITY
4859 - OTHER GOVNM AGENCY

THE NUMBER CODE FOR A STATE AGENCY IS 00 | ALL TIMES MUST BE STATED IN MILITARY TIME | FORM REVISE DATE 7-24-

ADDITIONAL INFORMATION

THE REPORTING AGENT, AS GIVEN TO THE ERC, WAS
· OPERATOR 92 OF L.A. CITY F.D. — CALLBACK # 213 485-6

PRELIMINARY REPORT RECORDER: Tony Fatwe

DATE & TIME RECORDED: 6-14-91

HAZARDOUS MATERIALS CONTROL PROGRAM REPORTER: HWCP (Program)

Time: _____ A.M.

TO	ELLEN ALKON, M.D. MEDICAL DIRECTOR/DEPUTY DIRECTOR	FROM	RALPH LOPEZ, DEPUTY ENVIRONMENTAL HEALTH/HEALTH FACILITIES

Subject | Date | No.

PRELIMINARY REPORT OF HAZARDOUS WASTE INCIDENT

PRELIMINARY REPORT RECORDER: TONY PAYNE of (Program) HWCP

DATE & TIME RECORDED: 6-14-91 Time: _____ A.M. _____

HAZARDOUS MATERIALS CONTROL PROGRAM REPORTER: TONY PAYNE

DATE & TIME INCIDENT OCCURRED: Unknown TIME: Unknown A.M. _____

COMPANY INVOLVED AND/OR RESPONSIBLE PERSON INVOLVED: CITY STREET

NAME(S),

ADDRESS, CITY, STATE, ZIP: 8540 TUJUNGA BLVD, SUN VALLEY

PHONE NO. 9135

SUBSTANCES INVOLVED; UNKNOWN

TYPE, QUANTITY; 1 (55 GALLON) DRUM

CONTAINMENT, ETC. CONTAINED

PERSON NOTIFYING L.A. CO. NAME: OPERATOR #92 OF (DEPT.) L.A. CITY F

HAZARDOUS MATERIALS CONTROL: PHONE NO. 213 - 485 - 6185

FIELD INVESTIGATIVE TEAM: FELDMAN AND BENJAMIN

BOARD MEMO NEEDED: YES ____ NO ✓ COMMENTS: _____

ADDITIONAL COMMENTS: _____

EVACUATIONS, INJURIES, _____

ILLNESSES, ETC. _____

EMERGENCY RESPONSE TEAM FAXED COPY TO DR. ALKON: _____
(Please Check ✓)

RL:mm

THIS PRELIMINARY REPORT WAS DUPLICATED BY RESPONDER M. BENJAMIN FOR PURPOSES OF DOCUMENTATION. - MB.

THERE ARE THREE BLANKS IN THIS SECTIONS. IN THE FIRST BLANK ENTER A LETTER FROM BELOW. IN THE SECOND AND THIRD BLANKS ENTER THE CORRESPONDING CITY CODE FROM WHICH THE AGENCY OR PERSON ORIGINATES.

A - SCAQMD
N - OTHER COUNTY FACILITY

A - ACID
B - BASE
C - COMBUSTIBLE
D - DRUG/PHARM.
E - EXPLOSIVE
N - NONHAZARDOUS

V - VERY SEVERE
S - SEVERE
M - MODERATE
L - LOW LEVEL

TO	ELLEN ALKON, M.D. MEDICAL DIRECTOR/DEPUTY DIRECTOR	FROM	RALPH LOPEZ, DEPUTY ENVIRONMENTAL HEALTH/HEALTH FACILITIES

Subject — Date — No.

PRELIMINARY REPORT OF HAZARDOUS WASTE INCIDENT

PRELIMINARY REPORT RECORDER: TONY PAYNE of (Program) HWCP

DATE & TIME RECORDED: 6-14-91 Time: ____ A.M. ____ P.M.

HAZARDOUS MATERIALS CONTROL PROGRAM REPORTER: TONY PAYNE

DATE & TIME INCIDENT OCCURRED: Unknown TIME: Unknown A.M. ____ P.M.

COMPANY INVOLVED AND/OR RESPONSIBLE PERSON INVOLVED: CITY STREET

NAME(S),

ADDRESS, CITY, STATE, ZIP: 8540 TUJUNGA BLVD, SUN VALLEY 91352

PHONE NO.

SUBSTANCES INVOLVED; UNKNOWN

TYPE, QUANTITY; 1 (55 GALLON) DRUM

CONTAINMENT, ETC. CONTAINED

PERSON NOTIFYING L.A. CO. NAME: OPERATOR # 92 OF (DEPT.) L.A. CTY FIRE

HAZARDOUS MATERIALS CONTROL: PHONE NO. 213 - 485 - 6185

FIELD INVESTIGATIVE TEAM: FELDMAN AND BENJAMIN

BOARD MEMO NEEDED: YES ____ NO ✓ COMMENTS: ____

ADDITIONAL COMMENTS:

EVACUATIONS, INJURIES,

ILLNESSES, ETC.

EMERGENCY RESPONSE TEAM FAXED COPY TO DR. ALKON: ____ (Please Check ✓)

RL:mm

THIS PRELIMINARY REPORT WAS DUPLICATED BY RESPONDER M. BENJAMIN FOR PURPOSES OF DOCUMENTATION. - MB.

WELLS MANUFACTURING

8520 Tujunga Avenue

Department of Toxic Substances Control

Matthew Rodriquez
Secretary for
Environmental Protection

Deborah O. Raphael, Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Edmund G. Brown Jr
Governor

Facility Search Results

Search Criteria:

Street: 8520 TUJUNGA

Sorted By: EPAID,NAME

ID's Listed:

Address used in the search and displayed below is the Physical Address.

ID Number	Name	Address	City	Zip

No Data Found

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

WELLS MANUFACTURING

8615 San Fernando Road

City of LOS ANGELES
CALIFORNIA

LOS ANGELES FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3680

Business No.: FA0017667
Business Name: WELLS MANUFACTURING INC
Business Mailing Address: 8615 SAN FERNANDO RD
SUN VALEY, CA 91352
Storage Address: 8615 N SAN FERNANDO RD

Date:
Last Inspection Date: 03/30/1994
Permit Date: 07/01/2004
RFI Request No:
RFI Requestor Name:

Chemical & Ingredients	Haz. Mat. Type	Max. Qnt on hand:	Yearly Qnt	Product Storage Type	Physical State
-		0	0		
CUTTING OIL(In-active) Inactivated on: 11/28/1988	1	30	30		
-		0	0		
CUTTING OIL(In-active) Inactivated on: 11/28/1988	3	30	36		
-		0	0		
DIE CASTING I D CORP CUTTING OIL J-27(In-active) Inactivated on: 03/30/1994	1	15	15		L

City of LOS ANGELES
CALIFORNIA

LOS ANGELES FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3680

Business No.: FA0017667
Business Name: WELLS MANUFACTURING INC
Business Mailing Address: 8615 SAN FERNANDO RD
SUN VALEY, CA 91352
Storage Address: 8615 N SAN FERNANDO RD

Date:
Last Inspection Date: 03/30/1994
Permit Date: 07/01/2004
RFI Request No:
RFI Requestor Name:

Chemical & Ingredients	Haz. Mat. Type	Max. Qnt on hand:	Yearly Qnt	Product Storage Type	Physical State
-		0	0		
DIE CASTING ID CORP WAY OIL #1(In-active) Inactivated on: 02/11/1994	1	15	5		L
-		0	0		
MACHINE OIL(In-active) Inactivated on: 11/28/1988	1	30	20		
-		0	0		
MACHINE OIL(In-active) Inactivated on: 11/28/1988	3	30	24		

City of LOS ANGELES
CALIFORNIA

LOS ANGELES FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3680

Business No.: FA0017667
Business Name: WELLS MANUFACTURING INC
Business Mailing Address: 8615 SAN FERNANDO RD
SUN VALEY, CA 91352
Storage Address: 8615 N SAN FERNANDO RD

Date:
Last Inspection Date: 03/30/1994
Permit Date: 07/01/2004
RFI Request No:
RFI Requestor Name:

Chemical & Ingredients	Haz. Mat. Type	Max. Qnt on hand:	Yearly Qnt	Product Storage Type	Physical State
-		0	0		
MOBIL DTE LUBE OIL GREASE(In-active) Inactivated on: 02/11/1994	1	5	5		L
-		0	0		
USED WASH SOLVENT(In-active) Inactivated on: 11/28/1988	3	10	60		
-		0	0		
WASH SOLVENT(In-active) Inactivated on: 11/28/1988	1	30	90		

City of LOS ANGELES
CALIFORNIA

LOS ANGELES FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3680

Business No.: FA0017667
Business Name: WELLS MANUFACTURING INC
Business Mailing Address: 8615 SAN FERNANDO RD
SUN VALEY, CA 91352
Storage Address: 8615 N SAN FERNANDO RD

Date:
Last Inspection Date: 03/30/1994
Permit Date: 07/01/2004
RFI Request No:
RFI Requestor Name:

Chemical & Ingredients	Haz. Mat. Type	Max. Qnt on hand:	Yearly Qnt	Product Storage Type	Physical State
-		0	0		
WATER SOLUABLE COOLANT -USED(In-active) Inactivated on: 11/28/1988	3	30	36		
-		0	0		
WATER SOLUABLE COOLANT CONCENTRATE(In-active) Inactivated on: 11/28/1988	1	10	30		

Matthew Rodriquez
Secretary for
Environmental Protection

Department of Toxic Substances Control

Deborah O. Raphael, Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Edmund G. Brown Jr.
Governor

EPA ID PROFILE

ID Number: CAL000219638 **Name :** WELLS MANUFACTURING INC

Status: ACTIVE **Inactive Date:** **Record Entered:** 05/18/2000 **Last Updated:** 01/05/2009

County: LOS ANGELES **NAICS:** 23595 **SIC:** 1796

	Name	Address	City	State	Zip Code	Phone
Location	WELLS MANUFACTURING INC	8615 SAN FERNANDO RD	SUN VALLEY	CA	913523104	
Mailing		8615 SAN FERNANDO RD	SUN VALLEY	CA	913523104	
Owner	WELLS MANUFACTURING INC	8615 SAN FERNANDO RD	SUN VALLEY	CA	913523104	8187670955
Operator/ Contact	CHARLES GRUELL	8615 SAN FERNANDO RD	SUN VALLEY	CA	913523104	8187670955

Based ONLY upon ID Number **CAL000219638**

Calif. Manifests ?	Non Calif. Manifests ?	Transporter Registration ?
YES	NO	NO

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

Calif. Manifest Counts and Total Tonnage

Top line represents Manifest Count and Bottom line represents Total Tonnage

	GENERATOR
2000	2 0.4503
2001	2 0.8631
2002	2 1.9599
2004	1 1.1468
2007	1 0.8757
2008	1 2.0850
2009	1 1.9182
2010	1 1.6680

Non California Manifest Total Tonnage

Waste Code By Year By Entity Matrix Report (based on California Manifests only)

Calif.	Generator	Transporter 1	Transporter 2	TSDF	Alt. TSDF
RCRA	Generator	Transporter 1	Transporter 2	TSDF	Alt. TSDF

California Waste Code By Year Matrix

ID Number: CAL000219638

Entity Type : GENERATOR

Weight (in Tons)

Ship Years

Calif. Code	Description	2000	2001	2002	2004	2007	2008
222	OIL/WATER SEPARATION SLUDGE	0.4503	0.8631	1.9599	1.1468	0.8757	2.0850
	Grand Total	**0.4503**	**0.8631**	**1.9599**	**1.1468**	**0.8757**	**2.0850**

2009	2010
1.9182	1.6680
1.9182	**1.6680**

RCRA Waste Code By Year Matrix Report

ID Number: CAL000219638

Entity Type: GENERATOR

Weight (in Tons)

Ship Years

RCRA Code	Description	2000	2001	2002	2004	2007	2008
	Blank/Unknown	**0.4503**	**0.8631**	**1.9599**	**1.1468**	**0.8757**	**2.0850**
	Grand Total	**0.4503**	**0.8631**	**1.9599**	**1.1468**	**0.8757**	**2.0850**

2009	2010
1.9182	**1.6680**
1.9182	**1.6680**

APPENDIX G

Soil-Gas Data

39380

Los Angeles By-Products Co.

Incorporated 1925

July 10, 1984

RECEIVED
LeRoy Crandall and Associates
JUL 12 1984
File: E-
AC ☐ ☐
☐ ☐

Miss Alice Campbell
LeRoy Crandall & Associates
711 North Alvarado
Los Angeles, CA 90026

Dear Alice:

As per our conversation of yesterday, please find enclosed a copy of the 1981 Truesdail Laboratories, Inc. Penrose Landfill gas analysis.

Regards.

Very truly yours,

R. M. Salisbury
President

RMS:bs
Encl.

Received 12-0-84

1510 East 25th St., Los Angeles, California 90058 (213) 233-4175

TRUESDAIL LABORATORIES, INC.

CHEMISTS - MICROBIOLOGISTS - ENGINEERS
RESEARCH - DEVELOPMENT - TESTING

4101 N. FIGUEROA ST
LOS ANGELES CO
AREA CODE 213 • 228
CABLE: TRUCLA

CLIENT Los Angeles By-Products Company
1810 East 25th Street
Los Angeles, California 90058
Attention: Mr. M. R. McAllister

RECEIVED
AUG 27 1981

DATE August 26, 1981

RECEIVED July 24, 1981

LABORATORY NO. 39380

SAMPLE Penrose Landfill, 8251 Tujunga Avenue,
Sun Valley, California
P. O. No: 0275

INVESTIGATION

Sampling and analysis of landfill gas at above address for major and trace components

RESULTS

The landfill gas sample was collected on July 28, 1981, at Penrose Landfill location into an evacuated stainless steel tank and returned to the laboratories for analysis. Major components in the landfill gas sample were determined by gas chromatography and trace components were determined using a gas chromatograph-mass spectrograph (GC/MS) arrangement.

The results were as follows:

Major Components	% By Volume
Methane (CH_4)	43.5
Hydrogen (H_2)	0.2
Carbon Dioxide (CO_2)	37.1
Carbon Monoxide (CO)	<0.001 (none detected)
Oxygen (O_2)	0.7
Nitrogen and Argon (N_2 & Ar)	18.5
Heating Value, BTU/SCF (dry)	441.

...ies To Lockman & S.F.S.

EXHIBIT "B"

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any ... authorization from these Laboratories.

GC/MS Analysis for Trace Components

Compound	ppm	ug/l	Compound	ppm	ug/l
Isobutane	1.1		Acetone	7.1	
n-Heptane	7.6		Methylethylketone	12.0	
Octanes	17.5		Methylisobutylketone	19.8	
Nonanes	13.9		2-Hexanone	3.3	
Decanes	13.8		Dimethylcyclohexanone	5.5	
Propene	1.6		Ethylacetate	3.1	
Heptenes	4.3		Ethylbutanoate	1.8	
Nonenes	5.0		Dichlorofluoromethane	2.1	
C_6 Cycloparaffins	0.6		Chloroform	0.3	300
C_7 Cycloparaffins	10.2		Trichloroethylene	5.1	5100
C_8 Cycloparaffins	5.4		Tetrachloroethylene	9.6	9600
C_9 Cycloparaffins	19.9		Chlorobenzene	5.4	5400
Benzene	2.2	2200	1,1-Dichloroethylene	5.6	5600
Toluene	43.0	43000	Tetrahydrofuran	2.1	
Ethylbenzene	21.3	21300	Carene	30.7	
Xylenes	30.7		Unidentified Terpene	10.4	
1-Ethyl-2-Methyl-benzene	5.4		Limonene	18.9	
1-Ethyl-4-Methyl-benzene	0.2		Unidentified	5.	
Isopropyl alcohol	6.7		Total	373.	
n-Propyl alcohol	1.4				
2-Butanol	3.9				
1-Butanol	2.9				
Methylhexanol	6.6				

Respectfully submitted,

TRUESDAIL LABORATORIES, INC.

Ignas Bandziulis
Chief Chemist

ENGINEERING DIVISION....MEMORANDUM

TO	FROM	DATE
FILE	LL	11-3-89

REFERENCE: Andlen Bros Auto Wrecking

PERMIT APPL. NO.:

SUBJECT: T/C w/ Gene Taylor - Taylor Energy

I called Gene concerning the status of the flare application he submitted.

Gene said that the flare application is no longer required since the gas is piped into the Pacific Lighting facility. The system has been running for about 6 months. They are pulling about 125 cfm of 35% CH_4 gas from Taxford pit.

Pacific Lighting was also pulling gas from Shelton Arleta and they were supposed to test the system w/ all the gases combined. Gene wasn't sure if that was done yet.

I also asked Gene about the collection system and if all the wells were installed according to the P/C. He said yes. I asked him for a final ~~dra~~ drawing showing #well, well locations, depths, etc.

He will send letter w/ that info as well as a request to cancel flare application.

16-50D115-R1

INTRODUCTION:

This application is for the landfill gas collection portion of the whole project. The gas collected is transported through piping to the Pacific Lighting facility (IC engines) across the street. Presently, the Tuxford site is pulling 125 cfm of a 35% CH4 landfill gas.

HISTORY:

The Tuxford Pit was formerly owned by L.A. By-Products. About 18 acres of the 26-1/2 acre site was used for waste disposal. The site is capped with asphalt and cement. An auto dismantling yard, dealer auto auction and auto storage is on top of the site.

PROCESS DESCRIPTION:

The 20 wells will collect gas and direct it to the Pacific Lighting and Energy (PLES) facility across the street at the Penrose landfill for combustion. PLES has six IC engines that burn landfill gas. As per T/C with Gene Taylor 10-3-89, they are pulling 125 cfm of 35% CH4 gas from Tuxford. PLES is also pulling gas from Sheldon Arleta.

EVALUATION:

This system will have no emissions. Emissions will be generated from the engines. This project will comply with all Rules and Regulation. It is recommended that a Permit to Operate be issued with the attached conditions.

ENGINEERING DIVISION....MEMORANDUM

TO	FROM	DATE
FILE	LL	11-26-87
REFERENCE		PERMIT APPL. NO.
Andrew Bros. Auto Wrecking - Turford LF.		

SUBJECT: Office conversation w/ Gene Taylor of Taylor Energy

Gene came in to give me a copy of the gas analysis of the Turford LF. He wants to vent the gas for a week to get an idea of the flow rate. I told him that my ~~supervisor~~ supervisor probably wouldn't allow him to vent it to the air. Gene then said that he can probably put in a temporary flare. I asked him to explain what he wanted to do in writing and he agreed to it.

BROWN AND CALDWELL LABORATORIES

373 SOUTH FAIR OAKS AVENUE PASADENA, CA 91105 • (818) 795-7553

ANALYTICAL REPORT

LOG NO: P87-11-409

Received: 17 NOV 87
Reported: 24 NOV 87

Gene Taylor
Taylor Energy
2 Lee
Irvine, CA 92720

Purchase Order: 9300

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, VAPOR SAMPLES	DATE SAMPLED
11-409-1	#1	17 NOV 87
11-409-2	#2	17 NOV 87

PARAMETER	11-409-1	11-409-2
Methane, %	52	28

Avg conc = 40%

BROWN AND CALDWELL LABORATORIES

373 SOUTH FAIR OAKS AVENUE PASADENA, CA 91105 • (818) 795-7553

ANALYTICAL REPORT

LOG NO: P87-11-409

Received: 17 NOV 87
Reported: 24 NOV 87

Gene Taylor
Taylor Energy
2 Lee
Irvine, CA 92720

Purchase Order: 9300

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, VAPOR SAMPLES	DATE SAMPLED
11-409-1	#1	17 NOV 87
11-409-2	#2	17 NOV 87

PARAMETER	11-409-1	11-409-2
Purgeable Priority Pollutants		
Extraction	---	11/18/87
Dilution Factor, Times 1	1	1
✓1,1,1-Trichloroethane, ppm,v/v	<1	<1
1,1,2,2-Tetrachloroethane, ppm,v/v	<1	<1
1,1,2-Trichloroethane, ppm,v/v	<1	<1
1,1-Dichloroethane, ppm,v/v	<1	<1
1,1-Dichloroethylene, ppm,v/v	<1	<1
✓1,2-Dichloroethane, ppm,v/v	<1	<1
1,2-Dichloropropane, ppm,v/v	<1	<1
1,3-Dichloropropene, ppm,v/v	<1	<1
2-Chloroethylvinylether, ppm,v/v	<1	<1
Acrolein, ppm,v/v	<10	<10
Acrylonitrile, ppm,v/v	<10	<10
Bromodichloromethane, ppm,v/v	<1	<1
Bromomethane, ppm,v/v	<1	<1
✓Benzene, ppm,v/v	<1	<1
Chlorobenzene, ppm,v/v	<1	<1
✓Carbon Tetrachloride, ppm,v/v	<1	<1
Chloroethane, ppm,v/v	<1	<1
Bromoform, ppm,v/v	<1	<1
✓Chloroform, ppm,v/v	<1	<1
Chloromethane, ppm,v/v	<1	<1
Dibromochloromethane, ppm,v/v	<1	<1
Ethylbenzene, ppm,v/v	<1	<1
✓Methylene Chloride, ppm,v/v	<1	<1

BROWN AND CALDWELL LABORATORIES

373 SOUTH FAIR OAKS AVENUE PASADENA, CA 91105 • (818) 795-7553

ANALYTICAL REPORT

LOG NO: P87-11-409

Received: 17 NOV 87
Reported: 24 NOV 87

Gene Taylor
Taylor Energy
2 Lee
Irvine, CA 92720

Purchase Order: 9300

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, VAPOR SAMPLES	DATE SAMPLED
11-409-1	#1	17 NOV 87
11-409-2	#2	17 NOV 87

PARAMETER	11-409-1	11-409-2
✓Tetrachloroethylene, ppm,v/v	<1	<1
✓Trichloroethylene, ppm,v/v	<1	<1
Trichlorofluoromethane, ppm,v/v	<1	<1
✓Toluene, ppm,v/v	<1	<1
✓Vinyl Chloride, ppm,v/v	<1	<1
trans-1,2-Dichloroethylene, ppm,v/v	<1	<1
trans-1,3-Dichloropropene, ppm,v/v	<1	<1
Other Purgeable Priority Pollutants	---	---

Edward Wilson, Laboratory Director

of the high chloride content found in this well and not in others such as 4928 and 4928B, which are directly upgradient on the ground water contour map. This difference between ground water gradient and contaminant migration paths is consistent with the occurrence of high permeability channel deposits at an angle to the ground water gradient.

Influence of Landfill Gas on Ground Water

To help identify the source of the TCE plume in the vicinity of Well 4917A, a landfill gas sample was obtained and analyzed in December 1989. Table 3 compares key organics found in the gas with the same organics in the ground water.

TABLE 3

COMPARISON OF KEY ORGANICS IN AIR AND WATER

SAMPLE	CONSTITUENT (ppb)					
	TCE	PCE	ACETONE	BENZENE	TOLUENE	XYLENE
Water - 4917A	35 ±15	1 ±1	<50	<1	<1	<5
Landfill Gas - S#1	70	180	1700	490	870	2400

The landfill gas could not be the source of TCE in the ground water without affecting any of the other organics. In particular, it is difficult to explain the absence of acetone, which is highly water soluble. It would be expected that acetone would be present in the ground water if the landfill was the source of the TCE. Additionally, the absence of chloride, which would be seen in elevated levels if any leakage, organic or inorganic, was occurring, suggests that the Tuxford site is not the source of the solvents in the water.

BROWN AND CALDWELL LABORATORIES
801 WESTERN AVENUE, GLENDALE, CA 91201
(818) 247-5737
FAX: (818) 247-9797

ANALYTICAL REPORT

LOG NO: G89-12-335

Received: 19 DEC 89
Reported: 27 DEC 89

Ms. Alice Campbell
Lav Environmental
3320 N. San Fernando Rd.
Burbank, CA 91504

Purchase Order: 58-9696

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, VAPOR OR AIR SAMPLES	DATE SAMPLED
12-335-1	S #1 / Tuxford	19 DEC 89

PARAMETER	12-335-1
Vol.Pri.Poll. (EPA-8240)	
Date Analyzed	12/20/89
Dilution Factor, Times 1	1
1,1,1-Trichloroethane, ppb	<50
1,1,2,2-Tetrachloroethane, ppb	<50
1,1,2-Trichloroethane, ppb	<50
1,1-Dichloroethane, ppb	<50
1,1-Dichloroethene, ppb	<50
1,2-Dichloroethane, ppb	<50
1,2-Dichlorobenzene, ppb	<50
1,2-Dichloropropane, ppb	<50
1,3-Dichlorobenzene, ppb	<50
cis-1,3-Dichloropropene, ppb	<50
1,4-Dichlorobenzene, ppb	<50
2-Chloroethylvinylether, ppb	<50
2-Hexanone, ppb	<1000
Acetone, ppb	1700
Acrolein, ppb	<1000
Acrylonitrile, ppb	<1000
Bromodichloromethane, ppb	<50
Bromomethane, ppb	<50
Benzene, ppb	490
Chlorobenzene, ppb	80
Carbon Tetrachloride, ppb	<50
Chloroethane, ppb	<50
Bromoform, ppb	<50
Chloroform, ppb	<50

BROWN AND CALDWELL LABORATORIES

801 WESTERN AVENUE, GLENDALE, CA 91201
(818) 247-5737

FAX: (818) 247-9797

ANALYTICAL REPORT

LOG NO: G89-12-335

Received: 19 DEC 89
Reported: 27 DEC 89

Ms. Alice Campbell
Lav Environmental
3320 N. San Fernando Rd.
Burbank, CA 91504

Purchase Order: 58-9696

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, VAPOR OR AIR SAMPLES	DATE SAMPLED
12-335-1	S #1 / Tuxford	19 DEC 89

PARAMETER	12-335-1				
Chloromethane, ppb	<100				
Carbon Disulfide, ppb	<100				
Dibromochloromethane, ppb	<50				
Ethylbenzene, ppb	1400				
Freon 113, ppb	<50				
Methyl isobutyl ketone, ppb	270				
Methyl ethyl ketone, ppb	750				
Methylene chloride, ppb	<50				
Tetrachloroethene, ppb	180				
Styrene, ppb	<50				
Trichloroethene, ppb	70				
Trichlorofluoromethane, ppb	<50				
Toluene, ppb	870				
Vinyl acetate, ppb	<250				
Vinyl chloride, ppb	440				
Total Xylene Isomers, ppb	2400				
trans-1,2-Dichloroethene, ppb	<50				
trans-1,3-Dichloropropene, ppb	<50				
cis-1,2-Dichloroethene, ppb	250				
Other Vol.Pri.Poll. (EPA-8240)	---				

Jeffrey A. Erion, Laboratory Manager

APPENDIX H

Septic System Information

Los Angeles Times | ARTICLE COLLECTIONS

← Back to Original Article

Plans for Sewers Aimed at Curbing Pollution of Wells

August 26, 1985 | MYRON LEVIN | Times Staff Writer

The Los Angeles City Council is considering a package of ordinances and sewer construction projects aimed at curbing chemical pollution of public water wells in the eastern San Fernando Valley by forcing businesses there to abandon private waste disposal systems.

The measures are directed at the estimated 3,700 industrial and commercial businesses and apartment complexes in the Valley that still rely on septic tanks or cesspools instead of city sewers to dispose of wastes.

It is "shocking that there are so many people doing business that aren't connected up to sewers" in the Valley, said Councilwoman Joy Picus, who represents portions of the Valley.

About 3,000 of these firms continue to use ground disposal systems even though sewer lines pass their property. Roughly 700 other Valley businesses do not now have access to sewers.

On Friday, the council is scheduled to take up a draft ordinance that declares continued reliance on private disposal systems "by commercial and industrial uses . . . to be a threat to the quality of the ground water and to the public health." The ordinance essentially would give the 3,000 establishments with access to sewers one year to hook up.

Companion Measure

A companion measure would authorize city officials to deny building permits for new commercial or industrial structures on Valley lots not served by sewers. Neither ordinance would apply to private homes or to apartment buildings of fewer than five units.

Councilman Howard Finn, who represents part of the East Valley, predicted that the draft ordinances will get prompt action. "There's no tolerance over here anymore for hazardous materials being dumped into the ground," he said.

A sewer construction program will involve installation of 122 individual lines to serve the estimated 700 Valley businesses that do not have access to sewers.

The $3.7-million project--to be financed mainly by assessments on the affected businesses--will add 11 miles of mains over the next seven years to commercial and industrial areas from Tujunga in the northeast Valley to Woodland Hills in the southwest, according to maps provided by the city Department of Public Works.

North Hollywood Priority

However, the work schedule calls for sewer segments to be built first in industrial sections of North Hollywood and adjacent areas, where wells operated by the city Department of Water and Power supply about 15% of the Los Angeles drinking water supply. Water from the wells is distributed mainly to customers south of the Santa Monica Mountains rather than in the Valley.

Abandonment of ground disposal systems and installation of sewers were among the recommendations of a 1983 report on chemical pollution of the Los Angeles wells, and of wells in Burbank, Glendale and La Crescenta. The report, prepared by the DWP, also called for creation of a hazardous-waste collection system for small East Valley businesses that may be illegally dumping chemicals to avoid high disposal costs. This proposal is still being studied by the Los Angeles Bureau of Sanitation.

The 1983 report showed that of 109 wells operated by water utilities in the East Valley and adjacent areas, nearly half contained concentrations of toxic solvents in excess of state health advisory limits. These findings have prompted California and the federal Environmental Protection Agency to put the Los Angeles-Burbank-Glendale well fields on the state and federal Superfund lists of toxic sites that qualify for cleanup funds.

The most common contaminants are trichloroethylene and perchloroethylene--or TCE and PCE. These solvents, widely used in dry cleaning and metal-degreasing operations, have caused cancer in test animals. Although there is no proof that they cause cancer in humans at the low levels typically found in drinking water, health officials say a person who drinks such water over a lifetime may have a slightly increased risk of getting cancer.

Use of Wells Halted

The ground-water problem has forced the DWP to stop using about a dozen of its 77 Valley wells in which contaminant levels are well above the state advisory limits of five parts of TCE per billion parts of water and four parts of PCE per billion parts of water. Other wells that exceed the limits by lesser amounts are being mixed with cleaner supplies to dilute solvent content below recommended levels.

The problem has caused worse headaches for smaller water utilities that have less ability to blend. Burbank, for example, has had to quit using eight of its 10 wells, forcing it to rely more heavily on water purchased from the Metropolitan Water District.

Officials say the use of ground disposal systems could be one cause of the problem, along with spills and tank leaks over several decades and deliberate dumping of chemicals in alleys and backyards to avoid disposal fees. Although it is illegal to discharge untreated chemical waste into private sewage systems, officials say the prohibition is almost impossible to enforce and may be routinely violated by some firms.

Requiring sewer hookups clearly will not affect pollution already in the wells or in underground plumes of water seeping slowly toward those wells. The EPA is expected to provide $1 million from the Superfund program for a study to pinpoint the underground plumes and to devise ways to clean them up.

By contrast, the sewer program is meant to reduce the chance that current waste disposal will make things worse. The city must "take all the reasonable measures we can to protect" its ground-water supply, said Laurent McReynolds, assistant chief engineer for the DWP's water system.

No Clear Explanation

There is no clear explanation, other than poor planning, for the development of polluting industries near water supply wells--particularly industries that were not even served by sewers.

"I think nobody was really concerned that it would create a problem," McReynolds said. It was assumed that "the ground would purify just about anything." It turns out that some compounds that "get under the soil . . . don't degrade at all."

The sewer initiatives also illustrate how environmental cleanup is often a matter of shifting pollution from one place to another in the hope of lessening the impact.

Most of the sewage that the 3,700 firms have been putting in the ground instead will flow to the aging and problem-plagued Hyperion sewage treatment plant in El Segundo, which discharges about 425 million gallons of treated waste per day into Santa Monica Bay. Hyperion provides only primary treatment--the most limited kind--for about three-quarters of the waste. The city last week agreed to pay a $30,050 state fine resulting from recent large spills of raw sewage from the overloaded plant into Ballona Creek, which flows into the ocean at Playa Del Rey.

Public works officials point out, however, that the new sewer hookups will be accompanied by capacity and treatment improvements in the sewer system. For example, the new Tillman sewage treatment plant in the Sepulveda Basin, designed to treat 40 million gallons of sewage per day, is expected to start operation this fall. Moreover, a new city incinerator that will generate electric power by burning sludge from Hyperion that now is dumped into the ocean is expected to go on-line next year. Another planned improvement at Hyperion will increase from about one-fourth to two-thirds the amount of sewage getting secondary treatment before discharge into the bay.

Enforcement Plans

Under terms of the proposed sewer hookup ordinance, those failing to comply with an order to connect could have their water service shut off. The city attorney could also file civil or criminal charges against them. Businesses would be given a year to abandon their private disposal systems and tie into the sewer, but the deadline could be whittled to 30 days in the case of malfunctioning private systems.

The draft ordinance law also would allow businesses to seek a variance. A variance could be granted in a case of "extreme" hardship in which continued use of a private system would not harm water quality, according to the proposed law.

Sewer construction is not scheduled for completion until 1991, according to a work schedule prepared by the Department of Public Works' Bureau of Engineering. However, the schedule shows that the highest priority lines near polluted East Valley wells would be built within about two years. In a series of motions over the last several months, the council has authorized the Bureau of Engineering to begin design work and initiate assessment proceedings on some of the priority segments.

The bureau estimates that the 11 miles of new sewer mains will cost slightly more than $3.7 million in 1984 dollars. Of this amount, about $2.6 million would be charged to affected businesses, while the city would pay the remaining $1.1 million. Bob Van Ark, an engineer with the sewers section at the bureau's Valley district office, said the city's share includes expenses that cannot be charged to the businesses, such as certain planning and survey costs and the portion of lines that run between properties rather than past them.

At a total assessed cost of $2.6 million, the 700 businesses would be charged an average of about $3,700. Before the individual segments are built, property owners will have a chance to contest their assessments at a hearing before the City Council.

"I haven't seen any resistance," Van Ark said. But he added: "We haven't come to the point of having a protest hearing yet, so we don't know what's going to come out of (the) neighborhoods."

Los Angeles Times Copyright 2012 Los Angeles Times Index by Keyword | Index by Date | Privacy Policy | Terms of Service

Los Angeles Times | ARTICLE COLLECTIONS

← Back to Original Article

Plans by L. A. to Clean Up Tainted Wells Lag Behind

February 24, 1986 | MYRON LEVIN | Times Staff Writer

In 1980, traces of chemical solvents were discovered in San Fernando Valley water wells that furnish 15% of the Los Angeles water supply.

A possible contaminant source was evident immediately. In the North Hollywood area, scores of industrial and commercial firms still relied on septic tanks or cesspools to dispose of waste, despite the availability of city sewers and proximity of tainted wells.

The possible link between the well pollution and ground disposal was strengthened in 1982, when tests by the Los Angeles Department of Water and Power on waste from a dozen septic systems in the area turned up some of the same chemicals found in nearby wells.

The following year, a lengthy report by the DWP urged a series of steps to safeguard the drinking water supply, including a ban on ground disposal by Valley businesses. The report noted that the rising cost and shrinking number of legal sites made septic disposal of toxic waste a growing temptation.

Wells Added to Cleanup List

By 1984, tainted ground water had invaded more wells. The DWP well fields--along with neighboring ones operated by Burbank, Glendale and the Crescenta Valley County Water District--were added to the federal Superfund list of priority toxic cleanup sites. The fields were polluted by trichloroethylene (TCE) and perchloroethylene (PCE), which are believed to pose a small risk of cancer under conditions of long-term exposure.

But it was late 1985 before the Los Angeles City Council passed an ordinance to force Valley businesses to abandon septic tanks where sewers were available.

And only now--six years after the initial discovery--are city officials preparing to mail notices giving businesses with access to sewers one year to hook up.

Phasing out septic systems is something "you just don't do . . . overnight," said City Councilman Ernani Bernardi, who represents portions of North Hollywood and Van Nuys. "Our form of government just doesn't move that quickly, even in the most serious areas."

Atmosphere of Uncertainty

It is unknown how much of the problem stems from septic discharge or other causes, such as leaks in buried storage tanks and piping, accidental spills or deliberate dumping of chemicals.

In this atmosphere of uncertainty, steps by the city to choke off further pollution have lagged noticeably.

"It's frustrating to see this city not be able to get its resources together to deal with the problem more effectively," said Miriam Gensemer, a principal planner with the Southern California Assn. of Governments who has studied the Valley ground water problem.

For example, along with the ban on septic tank use, the city has started a companion seven-year program to extend sewers to commercial and industrial areas of the Valley that do not have them. But that effort has fallen behind schedule because there are too few design engineers for this and other projects.

'Not an Accelerated Schedule'

The seven-year target was "not an accelerated schedule at all," said one city public works official. "This particular program seems to get a lot of lip service."

A top official in the city Bureau of Engineering said some sewer design work will be contracted out in an effort to catch up.

Other steps also await implementation. In response to a recommendation in the 1983 report and to state legislation, the City Council two years ago passed an ordinance to raise construction standards for buried chemical and fuel tanks, and to require that thousands of existing buried tanks be monitored for leaks. Although the law required tank owners to begin checking for leaks by Jan. 1, 1985, the city has yet to devise a plan for checking compliance.

Another recommendation in the 1983 report involved creation of a collection service for firms that generate small amounts of hazardous waste and might be tempted by high disposal costs to dump illegally.

The association of governments, which had no power to implement the idea, studied it in detail and handed off its recommendations to the city. Then the council's Public Works Committee last summer referred the proposal to the Bureau of Sanitation for further study. Since then, membership on the public works panel has turned over completely and bureau officials said the project is not being actively pursued. A more limited approach, an educational program to encourage Valley businesses to properly dispose of hazardous waste, was recently announced by a group of public and private agencies.

'Sense of Urgency'

Earlier this month, the Los Angeles Board of Water and Power Commissioners--expressing "a sense of urgency" about the ground water problem--pledged $2.5 million to a pilot program to treat part of the polluted well water through aeration, a process that causes solvents in water to evaporate.

Deputy Mayor Tom Houston, Mayor Tom Bradley's chief of staff, cited the aeration project as evidence of strong action by the city. But Houston said he was unaware that various proposals to protect the ground water had been kicked around for years.

'Doesn't Make Sense'

"It doesn't make sense" to treat the water but not halt further ground water damage, Houston said. "It seems to me you've got to do both."

The potential health risk from the tainted water is being controlled by shutting down highly contaminated wells and blending less-polluted water with clean supplies before delivery to customers.

But apart from health concerns, the ground water problem is a potential constraint on future water supplies. The Valley wells supply 15% of the city's drinking water and a higher percentage during the summer. They also would be counted on more heavily in some situations--in the event of a drought or an unfavorable ruling in pending litigation over city water diversions from the Mono Basin.

Water Piped Out

Although the wells and contamination sources are in the Valley, Valley customers almost never get any of this water. Instead, it is piped over the Santa Monica Mountains, where it serves hundreds of thousands of customers during part of the year.

Of 73 DWP wells in the Valley, at least 40 at one time or another have shown TCE or PCE levels in excess of state advisory health limits.

TCE and PCE--which have been widely used as degreasers and dry-cleaning agents--have caused cancer in animals exposed to high levels and on that basis are suspected human carcinogens. For TCE, the state advisory health limit is 5 parts of the chemical per billion parts of water, while for PCE the advisory limit, or "action level," is 4 ppb. These limits, while not legally binding, reflect concern that a person using solvent-laced water for many years may slightly raise his already considerable risk of some day getting cancer.

Pollution Seeping Into Wells

DWP officials say blending assures that water reaching customers on average is well below action levels.

However, tests have shown that polluted ground water is slowly seeping into more wells, complicating the blending effort. "We've been really manipulating our wells to try to keep our production up to what we needed in the summertime and keep the TCE levels below the state's action level," said Laurent McReynolds, DWP assistant chief engineer for the water system.

McReynolds said that although the ground water problem was discovered in 1980, it wasn't until 1983 that officials "felt we had a fair understanding of even the extent of the contamination."

Corrective Measures Slowed

Since then, he said, corrective measures have been slowed somewhat by uncertainty over the solvent levels that will be allowed under forthcoming EPA standards that will be legally binding.

The EPA's proposed TCE standard is identical to the state advisory limit of 5 ppb, although some water utilities are arguing for a higher limit.

Meanwhile, the federal Superfund listing, a dubious distinction to begin with, has not yielded any federal money to plan and implement cleanup measures.

The DWP and EPA have negotiated a contract that will allow the city agency to carry out a $2.8-million Superfund study of the North Hollywood wells, as well as the polluted Burbank, Glendale and Crescenta Valley district wells to the east. The study will be aimed at pinpointing the location of major plumes of tainted water, which could then be intercepted before reaching wells.

Competing Bills

But competing bills before Congress that would extend the Superfund law have stopped the EPA from funding new Superfund projects.

Alarmed by the growing number of affected wells, however, the DWP is hoping to push ahead on its own with a pilot aeration project to treat some of the most-polluted ground water.

The treatment method involves pumping well water up an aeration tower and blasting it with air to accelerate the natural tendency of solvents to evaporate. The DWP hopes to be operating the project by the end of next year.

Aeration Tower

The aeration tower, which would be built on DWP property at 11845 Vose St., would be able to treat up to 2,000 gallons of water per minute, or roughly 3% of the amount supplied by the Valley wells each year.

The DWP has applied to the South Coast Air Quality Management District for an emissions permit for the tower, but the air district is waiting to hear from state health officials on whether vapors from the tower pose any health concern. Air district officials said they will schedule a public hearing in North Hollywood after receiving the state's report.

Los Angeles Times Copyright 2012 Los Angeles Times

Oregon Department of Human Services

Office of Environmental Public Health
800 NE Oregon Street #604
Portland, OR 97232-2162

(503) 731-4030 Emergency
(971) 673-0405
(971) 673-0457 FAX
(971) 673-0372 TTY-Nonvoice

TECHNICAL BULLETIN

HEALTH EFFECTS INFORMATION

Prepared by:
Department of Human Services
ENVIRONMENTAL TOXICOLOGY SECTION
Office of Environmental Public Health
January 1989

(1,1,1 – TCA)
1,1,1-Trichloroethane

For More Information Contact:

Environmental Toxicology Section
(971) 673-0440

Drinking Water Section
(971) 673-0405

1,1,1 - TCA

1,1,1 - TCA is a volatile organic chemical with no natural sources. It is used primarily as a cleaning and degreasing agent, and as a septic tank cleaner. The release of 1,1,1 - TCA to the environment can occur in any industrialized area.

OCCURRENCES OF 1,1,1 - TCA IN WATER

The major source of 1,1,1 - TCA released to the environment is from its use as a metal degreaser. Most of the release is to the atmosphere by evaporation. When released to the land it does not bind up with soils, but migrates readily to groundwater, where it can remain for several months. Although regular sampling of public water supplies is just beginning, past surveys have shown that 3% of all public water systems using well water around the country contain 1,1,1 - TCA at levels of 0.5 micrograms per liter (ug/L), or 0.5 parts per billion (ppb), or higher. Public water supplies derived from surface water have contained 1,1,1 - TCA but generally at lower levels than underground water.

HEALTH EFFECTS OF DRINKING 1,1,1 - TCA CONTAMINATED WATER

The United States Environmental Protection Agency (US EPA) has established a maximum contaminant level (MCL) of 0.2 milligrams per liter (mg/L) for 1,1,1 - TCA in public drinking water supplies. There are no short-term or immediate illness symptoms due to exposure at these levels.

The carcinogenic risk of 1,1,1 - TCA has not been classified by the US EPA. Studies done thus far, however, do not show this compound to be carcinogenic (causing cancer) to laboratory animals, or to humans.

WHAT TO DO ABOUT 1,1,1 - TCA CONTAMINATION

Although an MCL has been set for 1,1,1 - TCA which is very protective of public health, the Department of Human Services recommends that exposure to this compound be kept as low as possible. To accomplish this, public water suppliers and other affected persons can take a variety of actions, such as closing contaminated wells, finding other supplies, or installing treatment systems at contaminated wells.

Persons whose supplies exceed the standard or who do not wish to consume even small amounts of 1,1,1 - TCA can take several actions for short-term protection,

including using bottled water or using in-home treatment devices to treat water for drinking and cooking purposes. Those who want to obtain home treatment systems are encouraged to contact the Department of Human Services for information on selecting the appropriate equipment.

For More Information on 1,1,1 - TCA contact the Drinking Water Section of the Department of Human Services at (971) 673-0405.

Los Angeles Times | ARTICLE COLLECTIONS

← Edfn#wr#Ruljqdo#Duwlfdh

Q1#Kroo|zrrg#Flup v#Flwhg#lq#Wdlqwlqj#ri#Fhvvsrrov

Vhswhp ehu#5</#<;9¡P\URQ#DHYLQ¡#Wlp hv#Wdiii#Z ulwhu

Flw|#qgxvwulddOz dvwh#lqvshfwruv#kdyh#Flwhg#qlqh#Q ruwk#Kroo|zrrg0duhd#lup v#ru#kdohjhgo|#sxwwlqj#Fkhp lfdd#z dvwhv#lqwr#vhswlf#wdqnv#dqg#fhvvsrrov#wkdwfdq#eh#xvhg#hnjdoo|#rqo|#ru#vhz djh#glvsrvdd1

Wkh#ylrodwlrq#qrwlfhv/#p rv#ri#wkhp #vvxhg#sdvw#z hhn/#duh#sduw#ri#dq#hiiruw#r#nhhs#Fkhp lfdd#sroxwlrq#ri#qhdue|#Flw|#z dwu#z hov#urp #jurzlqj#z ruvh1

Wkh#lqyhvwljdwlrq#e|#wkh#Orv#Dqjhdnv#Exuhdx#ri#Vdqlwdwlrq#v#wkh#luvw#forvh#vxuyhlooqfh#ri#sulydwh#vhz djh0glvsrvdd#/|vwhp v0dhyhq#wkrxjk#d#nh|#ihsruw#wkuhh#|hduv#djr#frqfoxghg#wkdw#xfk#/|vwhp v#hdvlo|#frxog#eh#xvhg#ru#dolfldwgxp slqj#ri#Fkhp lfdd#z dvwh1

Wkh#sureh#z dv#urp swhg#e|#suhvvxuh#rq#wkh#exuhdx#urp #riilfldov#tw#wkh#wdwh#Uhjlrqdd#Z dwu#Fxdolw|#Frqwurq#Erdug#lq#Orv#Dqjhdnv1

Vdqlwdwlrq#riilfldov#frqvlwhqwo|#p dlqwdlghg#kdw#wkh|#gr#grw#kdyh#d#suredhp #z lwk#sulydwh#glvsrvdd#/|vwhp v1#Exw#wkuhh#z dv#qr#surri#wr#edfn#wkhp #ks/#vdlg#Kdqn#\dfrxe/#vxshuylvlqj#z dwu0uhvrxufhv#frqwurd#hqjlqhhu#z lwk#wkh#hjlrqdd#z dwu#erdug1

Vwdwh#Qrw#Vxuh

Ghvslwh#wkh#ylodwlrq#qrwlfhv/#wkh#Flw|#v#vwdwh#qrw#xuh/#edvhg#rq#wkh#uhvxow#ri#xu#vdp sdqj/#wkdw#wkh#kqghujurxqg#vhswlf#wdqnv#duh#fdxvlqj#d#vljqlilfdqw#p sdfw##1##wr#wkh#kqghujurxqg#z dwu#xsso|/#%#Urehuw#Doshuq/#sulqflsdd#vdqlwdu|#hqjlqhhu#z lwk#wkh#Exuhdx#ri#Vdqlwdwlrq/#vdlg#sdvw#z hhn1

Xqghujurxqg#glvsrvdd#/|vwhp v/#xfk#dv#vhswlf#wdqnv#dqg#fhvvsrrov/#duh#ghvljqhg#wr#uds#vhz djh#vrdgv/#z klfk#duh#ghjudghg#e|#edfwhuld1#Exw#wkh#dtxlg#z dvh#v#doorz hg#wr#lowu#qwr#wkh#vrld1

Vdp sdnv#wdnhq#wr#du#kdyh#vkrz q#txdqwlwldedn#dp rxqw#ri#wr{lf#fkhp lfdov#lq#qlqh#kqghujurxqg#vhz djh#v|vwhp v/#z klch#lq#vrp h#53#rwkhuv/#fkhp lfdov#z huh#dw#dnyhov#wr#orz#wr#eh#txdqwlilhg#ru#z huh#grw#ghwhfwhg#dw#doo#Flw|#riilfldov#vdlg#wkdw#e|#wkh#hqg#ri#Rfwrehu/#wkh|#h{shfw#r#fkhfn#derxw#73#p ruh#jurxqg0glvsrvdd#v|vwhp v#kvhg#e|#exvlqhvvhv#wkdw#dovr#kvh#fkhp lfdd#vroyhqw1

Oltxlg#z dvwh#urp #vhyhudd#/|vwhp v#frqwdlqhg#orz #dnyhov#ri#wulfkorurhwk|dnqh#WFH,#dqg#shufkorurhwk|dnqh#SFH,/#udqjlqj#urp #43#wr#63#sduw#shu#eoolrq1#WFH#dqg#SFH#duh#wkh#gu|0fdndqlqj#dqg#p hwdd0ghjhudvlqj#frp srxqgv#rxqg#p rw#z lgho|#lq#duhd#z dwu#z hov#Vwdwh#kddok#riilfldov#vd|#gulqnlqj#z dwu#frqwdlqlqj#B#sse#ri#wkvh#frp srxqgv#ryhu#orqj#shulrgv#p d|#vdljkwo|#udlvh#d#shuvrq*#ulvn#ri#jhwdqj#fdqfhu1

Z dvh#urp #rqh#fhvvsrro#frqwdlqhg#,8/433#sse#ri#wroxqh/#d#wr{lf#vroyhqw#dqg#qjuhglhqw#ri#jdvrdqh1#Vdp sdnv#urp #wr#rwkhu#fhvvsrrov#frqwdlqhg#dnyhov#ri#p hwk|dnqh#fkorulgh/#d#xvshfwhg#fdqfhu0fdxvlqj#vroyhqw#ri#5/333#sse#dqg#k;3#sse1

Wkh#hnfrp p hqghg#wdwh0khdok#dp lw#ru#p hwk|dnqh#fkorulgh#lq#gulqnlqj#z dwu#v#73#sse#dqg#ru#wroxqh#v#33#sse1#Krz hyhu/#qhlwkhu#wroxqh#qru#p hwk|dnqh#fkorulgh#kdv#ehhq#rxqg#q|#dq|#vljqlilfdqw#dp rxqw#q#qhdue|#z dwu#z hov1

Frp sdqlnv#vvxhg#ylodwlrq#qrwlfhv#duh#ehlqj#uhxluhg#wr#sxp s#rxw#wkhu#vhswlf#wdqnv#dqg#fhvvsrrov#dqg#hlwkhu#glvfkdujh#wkh#z dvwh#qwr#Flw|#vhz huv#ru00q#wkh#z ruw#fdvhv00wuxfn#wkh#p dwhuldd#wr#d#kd}dugrxv0z dvwh#glvsrvdd#vlwh1

Qr#Shqdow|hv#Vrxjkw

Flw|#riilfldov#vdlg#wkhuh#duh#qr#sodqv#wr#vhnn#shqdow|hv#urp #wkh#exvlqhvvhv#flwhg/#lq#sduw#ehfdxvh#ri#xqfhuwdlqw|#ryhu#z khq#dqg#krz #wkh#sroxwlrq#rffxuhg1#Riilfldov#vdlg#uhshdwhg#vhvwlqj#z oo#eh#grqh#wr#vhn#i#wkhuh#v#d#frqwqxlqj#Fkhp lfdd#glvfkdujh1

Dw#Froxp eld#Vkrz fdvh#dqg#Fdelqh#Fr1/#4367#Vkhup dq#Z d|/#z khuh#wkh#kljk#wroxqh#dnyhd#z dv#irxqg/#dq#riilfldd#vdlg#wkh#lup #z rxog#frp so|#z lwk#wkh#exp s0rxw#rughu#dowkrxjk#h#glg#qrw#nqrz #z khuh#wkh#wroxqh#fdp h#urp 1

%Z h*uh#qrw#q|#dq|#nlqg#ri#dexvlqhvv#wkdw#surgxfhv#dq|wklqj#dnnh#wkdw%#vdlg#Vdp #Sdwhuvrq/#suhvlghqw#ri#wkh#lup 1

Dq#riilfldd#tw#Fkdsp dq#Vwxglr#Htxlsp hqw#Fr1/#5<83#Ud|p hu#Vw1/#z khuh#wkh#kljkhvw#p hwk|dnqh#fkorulgh#dnyhd#z dv#irxqg/#dovr#vdlg#kh#grhv#qrw#qrz #z khuh#wkh#fkhp lfdd#dp h#urp #exw#z rxog#sxp s#rxw#w#fhvvsrro1

%L#xvw#grq*w#kqghuwdqg#krz #wkhvh#wkljv#fdq#kdsshq/#exw#z h*uh#qrw#jrlqj#wr#dujxh#z lwk#wkhp /%#vdlg#Ro#/#hjhu/#/#hfuhwdu|0wuhdvxuhu#ri#Fkdsp dq/#vshdnlqj#ri#wkh#flw|#dqvshfwruv1

Wudfhv#ri#dqgxvwulddOroyhqw00sulqflsdoo|#WFH#dqg#SFH00z huh#luvw#glvfryhuhg#lq#<:<#dqg#<;3#lq#z hov#lq#Q ruwk#Kroo|zrrg#dqg#qhdu#Uuliilwk#Sdun#wkdw#surylgh#derxw#8(#ri#wkh#Orv#Dqjhdnv#z dwu#xsso|1

Wklv#z dwu#lv#sxp shg#urp #wkh#Vdoh|#wr#Orv#Dqjhdnv#Ghsduwp hqw#ri#Z dwu#dqg#Srzhu#Exvwrp huv#lq#Hdvw#Orv#Dqjhdnv#dqg#rxwk#ri#wkh#Vdqwd#P rqlfd#P rxqwdlqv1

Wkh#Flw|#z ho#ilhgv00dqg#qhljkerulqj#rqhv#rshudwhg#e|#wkh#Flwlhv#ri#Exuedqn#dqg#Tdqggdh#dqg#e|#wkh#Fuhvfhqwd#Vdoh|#Frxqw|#Z dwu#Glwulfw00kdyh#vlqfh#ehhq#qdp hg#wr#wkh#wdwh#dqg#hghurd#Vxshuixqg#fdndqxs#dvw1

Ehfdxvh#wkh#p rvw#frqwdp lqdwhg#z hov#duh#qrw#ehlqj#sxp shg#dqg#rwkhuv#duh#ednqghg#z lwk#fdndq#dltxhgxfw#xssolhv/#wkh#z dwhu#vhuyhg#ur#Exvwrp huv#v#vdih/# dffruqlj#ur#wkh#GZ S1

Sroxwrq#Vuhdglqj

Exw#wkh#suednp #v#d#srwhqwldd#frqvwudlqw#rq#z dwhu#xssolhv#q#wkh#xwuh/#ehfdxvh#wkh#sroxwrq#v#judgxdo|#vuhdglqj#dqg#vsrldqj#p ruh#z hov/#z dwhu#riilfldv# vd|1

Dp rqj#xvshfwhg#fdxvhv#duh#dndnv#urp #kqghujurxqg#wdqnv/#dfflghqwd#vsloov/#ghdlehudwh#gxp slqj/#dqg00q#wkh#fdvh#ri#wkh#Q ruwk#K roo|z rrg#z hov00fkhp lfdd# vhhsdjh#urp #kqghujurxqg#vhz djh#v|vwhp v1

Olp lwhg#vdp sdqj#q#4<;5#e|#wkh#GZ S#vkrz hg#fkhp lfdd#frqwdp lqdwlrq#q#vhyhudd#kqghujurxqg#fhvvsrro/1

Wkh#GZ S#glg#qrw#uhsruw#w#lqglqjv#ur#wkh#Exuhdx#ri#Vdqlwdwlrq#ru#srvvledn#nqirufhp hqw1

Exw#q#4<;6/#wkh#GZ S#xp p dul}hg#wkh#lqglqjv#q#d#dqjwk|#sxedlf#uhsruw#uhfrp p hqglqj#z d|v#ur#Exue#xuwkhu#jurxqg0z dwhu#sroxwlrq1

Wkh#uhsruw#fdoohg#ru#uhjxodu#vhvwqj#ri#sulydwh#vhz djh0glvsrvdd#/|vwhp v/#z klfk#w#vhup hg#dq#dwwdfwlyh#exw#kqodz ixq#dowuqdwlyh#ur#surshu#z dvwh#glvsrvdd%

Wkh#suhvhqw#sureh#uhsuhvhqw#wkh#luuv#xfk#vhvwlqj#Eqvshfwlrqv#ehiruh#qrz #Ekhio|#kdyh#qyroyhg#orrnlqj#ru#fkhp lfdd#wdlqv#durxqg#vlqnv#dqg#wrldw#erz o/#flw|# riilfldv#vd|1

Wkdw#v#ehfdxvh#wkh#flw|*v#p dmru#kuxvw%#kdv#ehhq#ur#jhw#exvlqhvvhv#rii#sulydwh#glvsrvdd#/|vwhp v/#dffrug lqj#ur#Doshuq#ri#wkh#vdqlwdwlrq#exuhdx1

%K rz #gr#|rx#uhdoo|#frqwurd#vhswlf#wdqnvB%#kh#vdlg1#Wkh#dqvz hu#v/#|rx#grq*w#####Wkh#dqvz hu#v#ur#jhw#wkh#vhz huv#exlow#dqg#jhw#khvhv#shrsdn#rii#wkh#vhswlf#wdqnv1%

Wkdw#jrdo/#krz hyhu/#v#wdnlqj#|hduv#ur#dfklhyh1

Rqh#\hdu#ur#Frp so|

Wkh#<;6#uhsruw*v#uhfrp p hqgdwlrq#wkdw#Vdoh|#exvlqhvvhv#z lwk#dffhvv#ur#vhz huv#eh#rufhg#ur#krrn#xs#z dv#lqdoo|#p sdnp hqwhg#odvw#|hdu#e|#d#Flw|#Frxqfld# rug lqdqfh1#Wkh#rug lqdqfh#jlyhv#exvlqhvvhv#wkdw#kdyh#vhz huv#dydlodeoh#rqh#|hdu#ur#Frp so|#z lwk#d#qrwlfh#ur#frqqhfw1

Wkh#vdqlwdwlrq#exuhdx#/lqfh#kdv#vhqw#wkh#rqh0|hdu#qrwlfhv#ur#737#ri#/53;#exvlqhvvhv/#ru#d#wkug#ri#wkrvh#wkdw#duh#ur#ihfhlyh#wkhp 1

D#frp sdqlrq#surjudp #ur#h{hqg#vhz huv#lqwr#frp p hufldd#dqg#qgxvwulddduhdv#ri#wkh#Vdoh|#wkdw#qrz #gr#qrw#kdyh#wkhp #v#qrw#vfkhgxdng#ru#frp sdnwrq#kqwld# 4<<41

Xqwld#sulydwh#vhz djh#v|vwhp v#fdq#eh#hdp lqdwhg/#vdqlwdwlrq#riilfldv#vkrxog#p rqlwru#wkhp #dv#d#suhfdxwlrq/#vdlg#P dd#Wr|/#d#vhqlru#vdqlwdu|#hqjlqhhu#z lwk#wkh# Exuhdx#ri#Vdqlwdwlrq1

Wr|#vdlg#wkh#exuhdx#vwdoo#grhv#qrw#h{shfw#ur#lqgg#wkdw#jurxqg#glvsrvdd#v#vhulrxv|#sroxwlqj#wkh#z dwhu/#dgglqj#wkdw#li#jurxqg#glvsrvdd#v#surylqj#ur#eh#d#p dmru# suredup /#wkh#exuhdx#z loo#kdyh#swrwdoo|#p lvfdfxoodwhg%#q#w#hqirufhp hqw#surjudp 1

Los Angeles Times | ARTICLE COLLECTIONS

← Back to Original Article

N. Hollywood Firms Cited in Tainting of Cesspools

September 29, 1986 | MYRON LEVIN | Times Staff Writer

City industrial-waste inspectors have cited nine North Hollywood-area firms for allegedly putting chemical wastes into septic tanks and cesspools that can be used legally only for sewage disposal.

The violation notices, most of them issued last week, are part of an effort to keep chemical pollution of nearby city water wells from growing worse.

The investigation by the Los Angeles Bureau of Sanitation is the first close surveillance of private sewage-disposal systems--even though a key report three years ago concluded that such systems easily could be used for illicit dumping of chemical waste.

The probe was prompted by pressure on the bureau from officials at the state Regional Water Quality Control Board in Los Angeles.

Sanitation officials consistently maintained that they do not have a problem with private disposal systems. But there was no proof to back them up, said Hank Yacoub, supervising water-resources control engineer with the regional water board.

'Still Not Sure'

Despite the violation notices, the city is "still not sure, based on the results of our sampling, that the underground septic tanks are causing a significant impact . . . to the underground water supply," Robert Alpern, principal sanitary engineer with the Bureau of Sanitation, said last week.

Underground disposal systems, such as septic tanks and cesspools, are designed to trap sewage solids, which are degraded by bacteria. But the liquid waste is allowed to filter into the soil.

Samples taken so far have shown quantifiable amounts of toxic chemicals in nine underground sewage systems, while in some 20 others, chemicals were at levels too low to be quantified or were not detected at all. City officials said that by the end of October, they expect to check about 40 more ground-disposal systems used by businesses that also use chemical solvents.

Liquid waste from several systems contained low levels of trichloroethylene (TCE) and perchloroethylene (PCE), ranging from 10 to 30 parts per billion. TCE and PCE are the dry-cleaning and metal-degreasing compounds found most widely in area water wells. State health officials say drinking water containing 5 ppb of these compounds over long periods may slightly raise a person's risk of getting cancer.

Waste from one cesspool contained 85,100 ppb of toluene, a toxic solvent and ingredient of gasoline. Samples from two other cesspools contained levels of methylene chloride, a suspected cancer-causing solvent, of 12,000 ppb and 980 ppb.

The recommended state-health limit for methylene chloride in drinking water is 40 ppb and for toluene is 100 ppb. However, neither toluene nor methylene chloride has been found in any significant amounts in nearby water wells.

Companies issued violation notices are being required to pump out their septic tanks and cesspools and either discharge the waste into city sewers or--in the worst cases--truck the material to a hazardous-waste disposal site.

No Penalties Sought

City officials said there are no plans to seek penalties from the businesses cited, in part because of uncertainty over when and how the pollution occurred. Officials said repeated testing will be done to see if there is a continuing chemical discharge.

At Columbia Showcase and Cabinet Co., 11034 Sherman Way, where the high toluene level was found, an official said the firm would comply with the pump-out order although he did not know where the toluene came from.

"We're not in any kind of a business that produces anything like that," said Sam Patterson, president of the firm.

An official at Chapman Studio Equipment Co., 12950 Raymer St., where the highest methylene chloride level was found, also said he does not know where the chemical came from but would pump out its cesspool.

"I just don't understand how these things can happen, but we're not going to argue with them," said Ola Seger, secretary-treasurer of Chapman, speaking of the city inspectors.

Traces of industrial solvents--principally TCE and PCE--were first discovered in 1979 and 1980 in wells in North Hollywood and near Griffith Park that provide about 15% of the Los Angeles water supply.

This water is pumped from the Valley to Los Angeles Department of Water and Power customers in East Los Angeles and south of the Santa Monica Mountains.

The city well fields--and neighboring ones operated by the cities of Burbank and Glendale and by the Crescenta Valley County Water District--have since been named to the state and federal Superfund cleanup lists.

Because the most contaminated wells are not being pumped and others are blended with clean aqueduct supplies, the water served to customers is safe, according to the DWP.

Pollution Spreading

But the problem is a potential constraint on water supplies in the future, because the pollution is gradually spreading and spoiling more wells, water officials say.

Among suspected causes are leaks from underground tanks, accidental spills, deliberate dumping, and--in the case of the North Hollywood wells--chemical seepage from underground sewage systems.

Limited sampling in 1982 by the DWP showed chemical contamination in several underground cesspools.

The DWP did not report its findings to the Bureau of Sanitation for possible enforcement.

But in 1983, the DWP summarized the findings in a lengthy public report recommending ways to curb further ground-water pollution.

The report called for regular testing of private sewage-disposal systems, which it termed "an attractive but unlawful alternative to proper waste disposal."

The present probe represents the first such testing. Inspections before now chiefly have involved looking for chemical stains around sinks and toilet bowls, city officials say.

That is because the city's "major thrust" has been to get businesses off private disposal systems, according to Alpern of the sanitation bureau.

"How do you really control septic tanks?" he said. "The answer is, you don't. . . . The answer is to get the sewers built and get these people off the septic tanks."

That goal, however, is taking years to achieve.

One Year to Comply

The 1983 report's recommendation that Valley businesses with access to sewers be forced to hook up was finally implemented last year by a City Council ordinance. The ordinance gives businesses that have sewers available one year to comply with a notice to connect.

The sanitation bureau since has sent the one-year notices to 404 of 1,208 businesses, or a third of those that are to receive them.

A companion program to extend sewers into commercial and industrial areas of the Valley that now do not have them is not scheduled for completion until 1991.

Until private sewage systems can be eliminated, sanitation officials should monitor them as a precaution, said Mal Toy, a senior sanitary engineer with the Bureau of Sanitation.

Toy said the bureau still does not expect to find that ground disposal is seriously polluting the water, adding that if ground disposal is proving to be a major problem, the bureau will have "totally miscalculated" in its enforcement program.

Los Angeles Times Copyright 2012 Los Angeles Times

Index by Keyword | Index by Date | Privacy Policy | Terms of Service