LPC 0316005445 Cook Co.
Valspar Paints
ILD 081040107
SF/HRS
Volume 1 of 2

EPA Region 5 Records Ctr.
303475

CERCLA
Screening Site Inspection Report

Illinois Environmental Protection Agency
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Printed on Recycled Paper

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1. Introduction

On September 22, 1992 the Illinois Environmental Protection Agency's Pre-Remedial Program was tasked by the U.S. Environmental Protection Agency (USEPA) to conduct a Screening Site Inspection (SSI) of the Valspar Paint site located in the city of Chicago, Illinois.

The site was initially placed on the Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) list on February 19, 1991 as a result of a request for discovery action initiated by the Illinois Environmental Protection Agency (IEPA). This action was taken because of the facility's potential of allowing chemical substances associated with paint and varnish manufacturing to enter the environment and possibly endangering the life and health of wildlife and human populations. The potential for adverse human health and environmental impacts are due in part to the following factors: the facility located at 1330 South Kilbourn had been used for the manufacturing of paint since at least 1935; past production activities, which included the possible manufacturing of lead based paints and the utilization of many types of solvents for the process; storage of many types of hazardous substances in at least 54 under-ground storage tanks and more than 300 above ground storage tanks; alleged lead smelting operations which occurred on the property; the facility is currently unoccupied with very little security preventing human intrusion into the 33 buildings still

standing (many buildings pose health hazards to intruders).

The facility was evaluated in the form a CERCLA Preliminary Assessment (PA), prepared by Mr. Bill Bade, of the Illinois EPA. This report was submitted to the Region V office of the U.S. Environmental Protection Agency on September 1, 1992. The Illinois EPA's Site Assessment Unit prepared a CERCLA Screening Site Inspection workplan for Valspar Paints which was submitted April 23, 1993 to USEPA Region V. The field activity portion of the Screening Site Inspection for this site was conducted on May 18-19, 1993. These activities included interviews with owners, operators, city officials or residents familiar with the site, a reconnaissance inspection, and the collection of 18 samples on and off-site (18 soil samples).

The purposes of an SSI have been stated by USEPA in a directive outlining Pre-Remedial program strategies. The directive states:

> All sites will receive a screening SI to 1) collect additional data beyond the PA to enable a more refined preliminary HRS (Hazard Ranking System) score. 2) establish priorities among sites most likely to qualify for the NPL (National Priority List). 3) identify the most critical data requirements for the listing SSI step. A Screening SI will not have rigorous data quality objectives (DQO's). Based on the refined preliminary HRS score and other technical judgement factors, the site will then either be designated as NFRAP (no further remedial action planned), or carried forward as an NPL listing candidate. A listing SI will not automatically be done on these sites, however. First, they will go through a management evaluation to determine whether they can be addressed by another authority such as RCRA (Resources Conservation and Recovery Act)... Sites that are designated NFRAP or deferred to other statutes are not candidates for a listing SI.

> The listing SI will address all the data requirements of the revised HRS using field screening and NPL level DQO's. It may also provide needed data in a format to support remedial investigation work plan development. Only sites that appear to score high enough for listing and that have not been deferred to another authority will receive a listing SI (USEPA 1988).

The Region V offices of the U.S. EPA have also requested that the Illinois Environmental Protection Agency identify sites during the Screening Site Inspection that may require removal action to remediate an immediate human health and\or environmental threat.

2.0 Site Background

2.1 Introduction

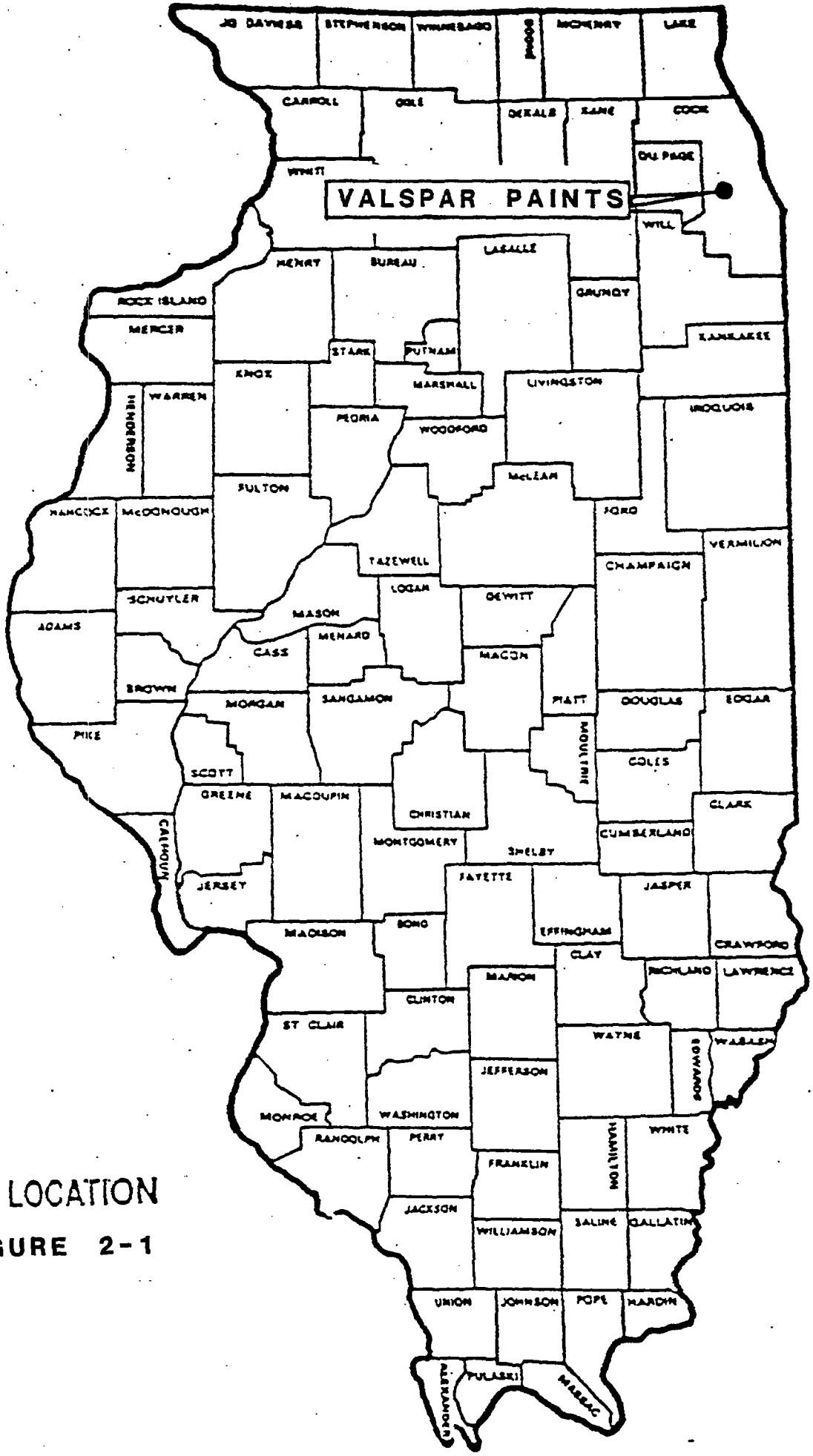
This section includes information obtained over the course of the formal CERCLA Screening Site Inspection and previous Illinois Environmental Protection Agency activities involving this site. Specific activities included an internal file search and a series of site representative interviews.

2.2 Site Description

The Valspar Paint Corporation (Valspar) operated at the facility located on South Kilbourn Avenue, as a paint manufacturing and storage facility from 1976 to 1984. At least 44 structures once occupied the property but eleven buildings were completely destroyed in a 1982 fire. Five buildings were partially destroyed by a 1990 fire and are currently in various stages of disrepair but still standing.

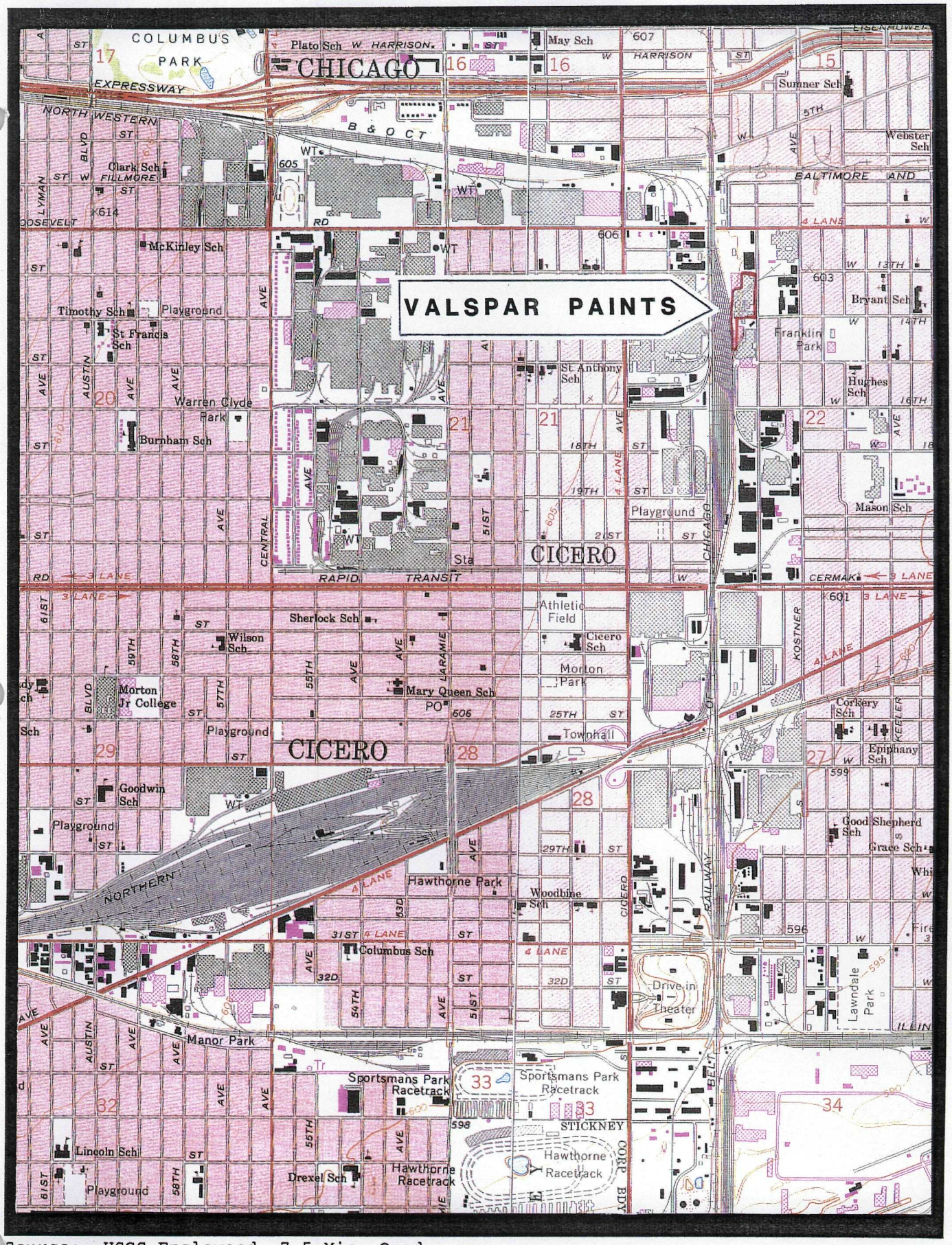
The facility currently contains 33 distinct buildings, ranging in height from one to seven stories. The sites surface features include large amounts of scattered debris consisting of clothing, scrap metal, plastic, glass, mattresses, and wood. Much of the area within the site, not covered by buildings, consists of a concrete surface surrounding the buildings. Weeds and small trees have penetrated many cracks within the concrete while sediments cover much of the concrete surface. Surface soil can be found in and around the under-ground tank areas, along two inactive railroad spurs, and the area which contained the buildings destroyed by the 1982 fire.

The Valspar Paints site was located within the west-central portion of the city of Chicago, Illinois at 1330 South Kilbourn Avenue (Figure 2-1). The facility is situated within the NW 1/4 of the SE 1/4 of the NW 1/4 of Section 22, Township 39 North, Range 13 East of the Third Principal Meridian. The site is located at a latitude of 41 51'50" and a longitude of 87 44'10" (Figure 2-2). The facility is currently comprised of the main manufacturing area which is located west of South Kilbourn Avenue. The property was donated to Goodwill Industries in 1984, and is still under their ownership. Currently bordering the site to the north is Peoples Light Gas & Coke, south by Armstrong Containers, east by a parking lot and residential neighborhood, and west by the Belt Railway Company. Two inactive railway spurs, which once serviced the once operative paint facility,



SITE LOCATION

FIGURE 2-1



Source: USGS Englewood, 7.5 Min. Quad.
USGS Berwyn, 7.5 Min. Quad.

Figure 2-2
SITE TOPOGRAPHIC MAP

intersect the site. Approximately four individuals are considered to be residences on the Valspar Paint site. This can be supported by the presence of sleeping quarters, personal items, information from Mr. Jerry Scheiberle (Facilities Maintenance Manager for Goodwill), and the direct observation of individuals on the premises.

2.3 Site History

The property which previously housed the Valspar Paint Company has been an area of paint manufacturing since at least 1935. According to a title search performed in 1991, Armstrong Paint and Varnish Works, Incorporated (Armstrong) acquired the property on which the facility is currently found in 1935. A detailed description of this property can be found in Figure 2 of Appendix A. In 1952 Armstrong acquired the property which included a parking lot on the east side of South Kilbourn. Armstrong Chemcon, Incorporated (Chemcon) became owners of the property in 1969. Six months after the acquisition by Chemcon, the Anaheim Union Water Company became owners of the property. In July 1971, the facility was acquired by Joanne M. Jennings, who placed the property into the American National Trust Number 75860. A beneficiary of the trust, Mr. Howard Conant, subsequently leased the property to Valspar who operated the facility between 1976 and 1984. In 1984, the property was donated to Goodwill Industries, Incorporated of Cook County by American National Trust Number 75860. After receiving title to the

property, Goodwill salvaged and sold usable material left on site by the previous occupants, and stored paper bales within the existing buildings. Goodwill also allowed storage of equipment and leased office space to Kilbourn Properties Incorporated. Goodwill Industries is the current owner of the property.

Sanborn Fire Insurance Maps from 1918, revealed that the only structure present on the property was a small building occupied by the Hydraulic Press Brick Company. A review of Sanborn Fire Insurance Maps from 1933 document the existence of a facility which is similar to the one that is present today. Due to the poor reproducibility of the Sanborn fire Insurance Maps, a copy has not been included within this report but may be obtained using the information within the bibliography. A significant physical change occurred at the facility in 1982 when a fire destroyed eleven buildings. Armstrong Paint maps of the facility from 1944 and 1966 can be found within Appendix A (Figures 3 and 4 respectively). The facility maps include a numbering system for each building which was used throughout this report.

Based on information from facility characterizations previously performed at the site, over 300 storage tanks currently exist at the facility. At least 54 of these tanks are underground storage tanks. Information within these reports suggest that the tanks contained a variety of substances that were used in the manufacturing of paint and varnish products. A summary of above and below ground tanks,

including their contents and capacities, can be found in Appendix K of this report.

In 1990 the IT Corporation performed a Settlement Proposal Report for the Valspar Corporation and Howard Conant. According to this report, Valspar used solvents, resins and oils, and pigments in the paint making process. Solvent blends and resins that were used were hexylene glycol, ethanol, mineral spirits, petroleum distillates, acrylic polymers, ammonia, formaldehyde, vinyl acetate, acetaldehyde, nonylphenoxyl poly(ethyleneoxy)-ethanol, xylene, toluene, and 2-butanone. Valspar used pigments containing lead, chromium, and cadmium. The same IT report also stated that while Valspar operated the facility, they manufactured latex and solvent-base consumer and industrial coatings, including alkyd resins. From November 1, 1976 until 1982, Valspar manufactured resins in polymer reactors located in buildings 4, 4-C, 4-A, 17, 17-A, and 22. The resins were blended with solvents stored in the underground storage tanks. The blended resins were stored in above ground tanks generally located in buildings 3, 3-B, 5-A, 5-B, 5-C, 6, 6-A, 15, 15-A, 15-B. Ingredients were then pumped to the upper floors of buildings where they were added to vats, blended, and transported to other levels where various pigments were added to them. The product was further transported to other areas where it was canned and stored. By 1984 all use of solvents were terminated as only latex paints were produced in Valspar's last year of operation.

Prior to 1982, Valspar used pigments containing lead, chromium, cadmium, and titanium powders in their product. According to this report, in 1982 the facility ceased producing metal based paints. During this time period, hazardous wastes, that were generated from the paint manufacturing process, were stored at hazardous waste storage areas on site.

Information obtained from Mr. Jerry Scheiberle, Facilities Maintenance Manager for Goodwill Industries, indicated the buildings on-site have and continue to be inhabited by trespassers. On several occasions, the facilities maintenance manager for Goodwill has been forced to remove vagrants from occupying the buildings. Sections of fence, surrounding the property, have been stolen, making it more difficult to keep intruders from entering the facility. There are many signs of inhabitancy on site by humans such as; mattresses, clothing items, books, radios, fire pits, beverage containers, and personal items. During the May 18-19, 1993 sampling event, two individuals were observed leaving building 8.

According to IEPA records, Valspar filed a RCRA Part A permit application in November 1980 for the storage of 4,000 gallons of hazardous waste in tanks and 10,000 gallons of hazardous waste in containers. The types of hazardous wastes listed in the application were D001, D002, D008, and F003. Hazardous waste D001 is representative of solid wastes which exhibits the characteristic of ignitability. Hazardous waste

D002 represents a solid waste which exhibits the characteristic of corrosivity. Hazardous waste D008 represents wastes with lead as a known constituent. Hazardous waste F003 is representative of stored wastes which were composed of spent non-halogenated solvents. The application was approved by IEPA in March 1982.

IEPA files reveal Valspar filed a closure plan with EPA in November 1984. The closure plan indicated that one 4,000 gallon storage tank and 181 drums, located throughout the facility, were to be closed. The closure plan was approved by IEPA February 1985.

In April 1985 a closure inspection was performed by IEPA. The inspection revealed that a number of containers and tanks contained roofing compounds, solvents, and other unknown materials. According to the report, Valspar did not claim responsibility for these items stating that they only leased the facility. IEPA concluded that Valspar left hazardous materials on site making much of the site subject to RCRA closure.

On June 14, July 1, and July 2, 1985, IEPA conducted a materials inventory and limited sampling at the facility. The inspection inventory revealed three rooms filled with paper bails which were found to present a potential fire hazard. On July 15, 1985 IEPA issued a Record of Decision which required immediate removal of the paper bales at the facility by Goodwill. A summary of the samples taken, inventory of items on the property, and the conditions set

forth by the Illinois EPA's Record of Decision can be found in Appendix F.

Valspar hired Kinsey Consulting, Incorporated in 1985 to perform an Identified Response Action. According to information contained in this report there were 328 tanks present on site. Kinsey determined that 12,360 gallons of hazardous residues were present in 77 tanks. Sampling results from this report are included in Appendix G. By July 1987, Kinsey Consulting had completed the following tasks: removal of dust and peeled paint from the floors in buildings 7, 8, and 12; cleaned and pressure treated 58 above-ground and 23 under-ground storage tanks; cleared all production and tank related pipes; and removed unused asbestos insulation in a storage shed. A summary of tasks performed at the facility can be found in Appendix H.

In September 1987, an Illinois EPA inspection documented organic vapors and some liquids in the underground storage tanks that had been previously cleaned. In November 1988, IEPA collected samples taken from six borings within the "Cooper's Pit" area. The results from the sampling can be found in Appendix I.

In January 1990, Goodwill hired RERC Environmental to perform an environmental assessment of the site . Wipe samples collected during this assessment revealed high levels of PCB's in buildings 3, 9, and 14. Lead levels as high as 690 ppm were also found in soil within the facility. Resin samples collected west of building 7 contained 730 ppm of

acetone, 20 ppm of toluene, 190 ppm of ethylbenzene, 21,000 ppm of xylenes, 17 ppm of 2 hexanone, and 98 ppm of 2-butanone. Later in the same year, RERC sampled piping insulation and discovered that 40 to 50 percent amosite and chrysoltile asbestos fibers existed. A summary of the sample results can be found in Table 2-1.

In October 1990, Valspar and IT prepared a closure plan for the facility. In the Settlement Proposal submitted to the Illinois EPA, Valspar recommended to close 21 tanks at the facility. IEPA approved the closure plan which was subject to several modifications and conditions.

On August 19, 1990 the Chicago Fire Department responded to a fire at the facility. The fire destroyed large portions of buildings 13-A, 13-B, and 14. The arson investigation concluded that the fire was intentionally set by unknown persons. There were also several conditions which were present at the site which may pose a threat to nearby residences. Open pits were found up to 20 feet deep and several tanks were still found to contain items used in the paint making process in them.

USEPA Region 5 CERCLA Removal Program tasked their Technical Assistance Team, Weston, to conduct a Site Assessment of the abandoned paint facility in September 1990. During this assessment, Weston identified the following areas of concern: building 3, where electrical generators have been dismantled and possible PCB's may still be present; the resin storage area in the north and south halves of building 6; the

TABLE 2-1

SUMMARY OF RERC SAMPLING ANALYTICAL RESULTS

Sample Location	Matrix	Parameter	Results	Units
Building 3 - Electrical Room	Wipe	PCBs	4,413,000	$\mu g/100\ cm^2$
Building 3 - Electrical Room	Wipe	PCBs	1,506,996	$\mu g/100\ cm^2$
Building 9 - Basement Floor	Wipe	PCBs	12,917	$\mu g/100\ cm^2$
Building 14 - Electrical Vault	Wipe	PCBs	161,464	$\mu g/100\ cm^2$
Southwest Tank Farm	Soil	Total Lead	180	ppm
		EP Toxic Lead	0.8	mg/L
Building 7C - Floor	Soil	Total Lead	230	ppm
		EP Toxic Lead	0.8	mg/L
Building 7C - Pits	Soil	Total Lead	200	ppm
		EP Toxic Lead	0.3	mg/L
Railroad Spur	Soil	Total Lead	690	ppm
		EP Toxic Lead	0.4	mg/L
Building 7C - Outside	Resin	Acetone	730	ppm
		Toluene	20	ppm
		Ethylbenzene	190	ppm
		Xylenes	21,000	ppm
		2-Hexanone	17	ppm
		2-Butanone	98	ppm
Main Building[a]	Peeling paint	Total Lead	230	ppm
		EP Toxic Lead	0.3	mg/L

Note:

[a] Sample location not noted in source document

Source: RERC, 1990a.

production area, specifically building 7-C; and the basement of building 9. Following the identification of these areas of concern, sampling was conducted. A summary of the sample results can be found in Table 2-2. The conclusion of Weston's assessment was that the facility may pose a serious threat to human health and the environment.

In November 1991 a consent agreement was signed between Valspar, Goodwill, Howard Conant, and IEPA. The consent agreement stated that Valspar would fund a characterization study of the site along with the remediation of the areas of concern identified through this study. The cleanup was to be conducted according to RCRA and CERCLA guidelines. At the present time, details of the study and cleanup are still being negotiated between Valspar, the Illinois Attorney General's Office and the Illinois EPA.

In July 1991, USEPA's Region 5 RCRA program contracted PRC Environmental Management, Incorporated (PRC) to conduct a Preliminary Assessment/Visual Inspection report of the facility. PRC conducted an extensive assessment of the site which concluded with a final report dated March 1992. The report identified areas that were thought to be potentially hazardous such as: containers; tanks; piping raceways; outdoor spill areas; PCB contamination; asbestos insulation; heavy metal dust and peeling paint; alleged lead smelting; and unknown hazards.

The Valspar Corporation hired IT Corporation to perform

TABLE 2-2

SUMMARY OF TAT SAMPLING ANALYTICAL RESULTS[a]
(parts per million)[b]

Sample Number	Building	Matrix	2-Butanone	Toluene	Ethylbenzene	Benzene	Xylene
S-47	7-C	Liquid	BDL[c]	BDL	BDL	BDL	BDL
S-52	6	Resin	31.4	5.05	60.06	BDL	165.0
S-55	10	Tar	BDL	1.47	20.1	0.77	63.5
S-56	10	Soil	BDL	0.474	3.18	BDL	11.5

Sample Number	Building	Matrix	Aroclor 1248	Aroclor 1254	Aroclor 1260
S-45	3-B	Wipe[d]	BDL	BDL	103,000
S-46	3-B	Sludge	2,770	BDL	448,000
S-48	7-C	Wipe[d]	BDL	19.6	BDL
S-49	8	Sludge	BDL	7.33	BDL
S-50	9	Sludge	BDL	2.49	BDL
S-51	9	Sludge	BDL	6.67	BDL
S-53	12	Wipe[d]	BDL	BDL	61,800
S-54	12	Liquid	BDL	BDL	3,300

Notes:

[a] Samples analyzed by Grace Analytical Laboratories, Inc., in Berkeley, Illinois, under TAT Analytical Services TDD# 5-9009-L01

[b] Results are reported in parts per million (ppm) unless otherwise noted

[c] Below Detection Limit

[d] Reported in micrograms per 100 square centimeters ($\mu g/100\ cm^2$)

Source: Quoted from Weston, 1990.

a Draft Site Investigation Report in July 1992. Results of this investigation are included in Appendix J.

2.4 Applicability of Other Statutes

Previous investigations of the site have suggested that there are certain portions of the Valspar Paint site that currently are, or have previously undergone RCRA closure. Other area may be subject to RCRA corrective action. However, there appears to be numerous areas of known or suspected contamination that are not subject to RCRA corrective action authorities. No other federal or state regulatory program is designed to address problems associated with the Valspar Paint site.

3.0 Site Inspection and Analytical Results

3.1 Introduction

This section outlines procedures utilized and observations made during The CERCLA Screening Site Inspection, conducted at Valspar Paints. Individual subsections address the site representative interview, reconnaissance inspection field sampling procedures, analytical results, and key samples summary. The Screening Site Inspection for Valspar Paints was conducted in accordance with the work plan which was developed and submitted to the USEPA Region V Offices prior to the initiation of field activities.

The U.S. Environmental Protection Agency Potential

Hazardous Waste Site Inspection Report (Form 2070-13) for Valspar Paints is provided in Appendix E.

3.2 Site Representative Interview

On May 18, 1993 Mr. Bruce Everetts, met with Mr. Jerry Scheiberle, an employee of Goodwill Industries, to discuss past, present, and future activities at the site. During this interview Mr. Everetts explained the site assessment process, and pointed out proposed sampling locations. The sampling plan involved the collection of 18 soil samples from on and off-site. Soil samples were to be collected by shovel, stainless steel auger, stainless steel trowel, or pickax at various locations and depths to determine if contamination is present at the site and if so, what types. After outlining the sample locations for the site representative, Mr. Scheiberle chose to stay near the entrance gate. The Goodwill employee advised the inspection team to use caution during the sampling event. He warned of possible discarded syringes as well as the possibility of running into vagrants. He confirmed the fact that portions of the fence which surrounded the facility may be missing due to vandalism. The IEPA inspection team leader and the site investigation team discussed potential contaminants on site and some of the areas where they may be found. Also present during the interview on May 18, 1993 were Mr. Pete Sorensen, Mr. Greg Spencer, Mr. Ken Corkill, and Mr. Scott Davis of the Illinois EPA's Site Assessment Unit.

3.3 Reconnaissance Inspection

Following the site representative interview on May 18, 1993, the IEPA sampling team conducted a pre-sample reconnaissance inspection of the Valspar site. The reconnaissance inspection began at 10:30 a.m. and included a walk-through of the property and air monitoring. Soil sampling locations were identified from the work plan and appropriate health and safety concerns were discussed with team members. The site representative did not accompany IEPA personnel on the reconnaissance inspection.

Access to the 4.5 acre facility appeared to be somewhat limited by the presence of the actual building structures and/or an eight foot high chain link fence which surrounded the site along its boundary (Figure 3-1). The fence contained several large locked gates on the South Kilbourn side (east side) of the facility. According to Mr. Jerry Scheiberle, sections of fence located along the western boundary have been stolen in the past. At the time of this site reconnaissance, all sections of fence were present, but several areas were pulled away from support posts.

Prior to sampling at the facility, air monitoring was conducted while walking around the site using an HNU meter. Breathing zones and soil surfaces were monitored throughout the site. During this monitoring no reading registered higher than the background levels.

During the site reconnaissance, many signs of human

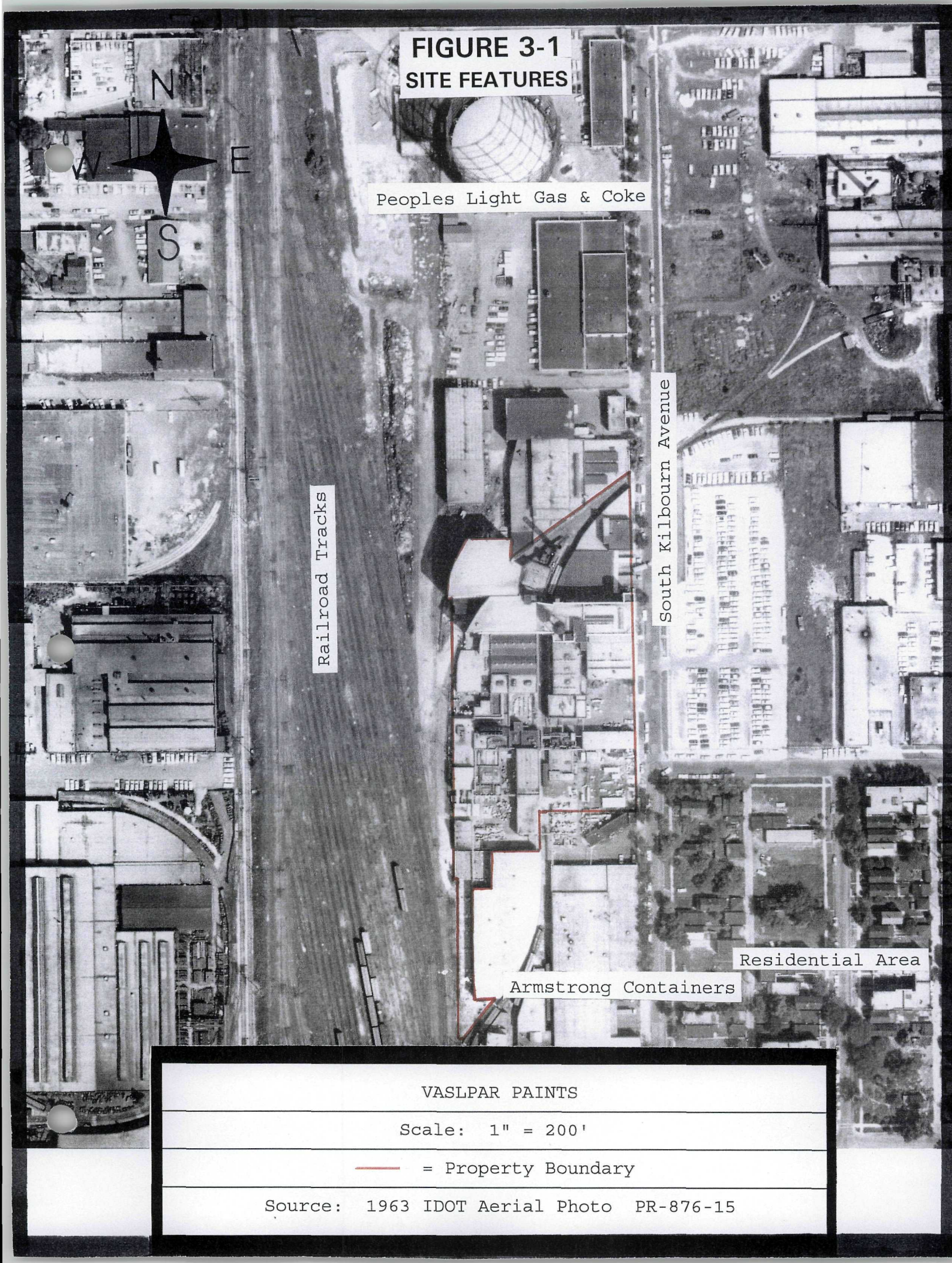


FIGURE 3-1
SITE FEATURES
N
W
E
S
Peoples Light Gas & Coke
Railroad Tracks
South Kilbourn Avenue
Residential Area
Armstrong Containers
VASLPAR PAINTS
Scale: 1" = 200'
= Property Boundary
Source: 1963 IDOT Aerial Photo PR-876-15

habitation were observed within the facility. A Goodwill employee stated that he has to regularly remove trespassers from the buildings. Scattered throughout the facility were different types of debris consisting of: clothing, beverage containers, mattresses, graffiti, reading material, scrap metal, and pieces of wood. Charred marks on the floors, within some of the buildings, indicated the presence of small fires. During the inspection, two people were observed leaving building 8. The buildings were in various stages of disrepair, windows were broken, access to the buildings was unrestricted, and the floors were covered with dust and other debris. Many tanks were still present inside the buildings while some have been cut open. Physical hazards such as: open holes in the floor; an open elevator shaft; pieces of metal protruding from floors; limited lighting; several open 55 gallon drums; scattered cans on floors; possible asbestos-lined piping; and peeling paint were present at the facility.

Site slope is generally flat with the exception of an area which contained the buildings burned in the 1982 fire. The area which contained these buildings is located on the west-central area of the site and is now covered with gravel and small rock. Small trees ranging in height from one to eight feet were present in the area. There is no apparent surface water drainage route from the site. Information provided by the Chicago Water Reclamation District revealed that storm water runoff enters a storm sewer system which eventually enters the Chicago River approximately three and

one-half miles to the south of the facility.

There are three distinct underground tank areas located within the facility. Each of these tank farms are enclosed by vertical concrete walls. The three areas contain a total of 48 tanks (Figures 3-4, 3-5, and 3-6). Most surface water would appear to be contained within the three tank areas with the exception of the "Cooper's Pit" area. Drainage from the "Cooper's Pit" area flows in an easterly direction toward building 3. At the time of the May 18, 1993 CERCLA site reconnaissance, an oily substance appeared to be coming from a crack in the north tank farm wall and collected on a concrete pad below.

A pipe raceway, west of building 7-C, contained a yellowish-brown viscous material dangling from the above pipes. It appears that the viscous material has collected on the ground surface and formed a black, hardened layer approximately 1 inch thick. During sampling, an HNU reading of 300 was detected when the thick surface layer was peeled away. Inside building 7-C, there were several openings, approximately 2 feet in diameter, which opened directly into under-ground tanks below. Plywood covers were found over some of these openings while others were left uncovered.

The nearest resident was noted to exist on-site for reasons that have been previously discussed. In a south-east direction from the site can be found a residential area. Continuing in the south-east and east directions is more residential housing. Surface topography is primarily flat on

and around the site with the exception of the area which contained the buildings destroyed in 1982. Overall land use within the four mile radius of the site is mixture of industrial, commercial, and residential.

3.4 Soil/Sediment Sampling

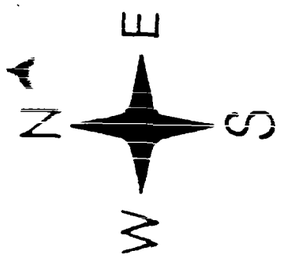
During the CERCLA Screening Site Inspection samples were collected by IEPA personnel to determine levels of USEPA Target Compound List (TCL) compounds present at and around the site. The TCL is provided in Appendix B. On May 18-19, 1993, IEPA personnel collected 18 soil samples (Figures 3-2 and 3-3 for the 18 samples). Site representatives from Goodwill did not accompany the IEPA sampling team during sample collection, and consequently chose not to receive split samples.

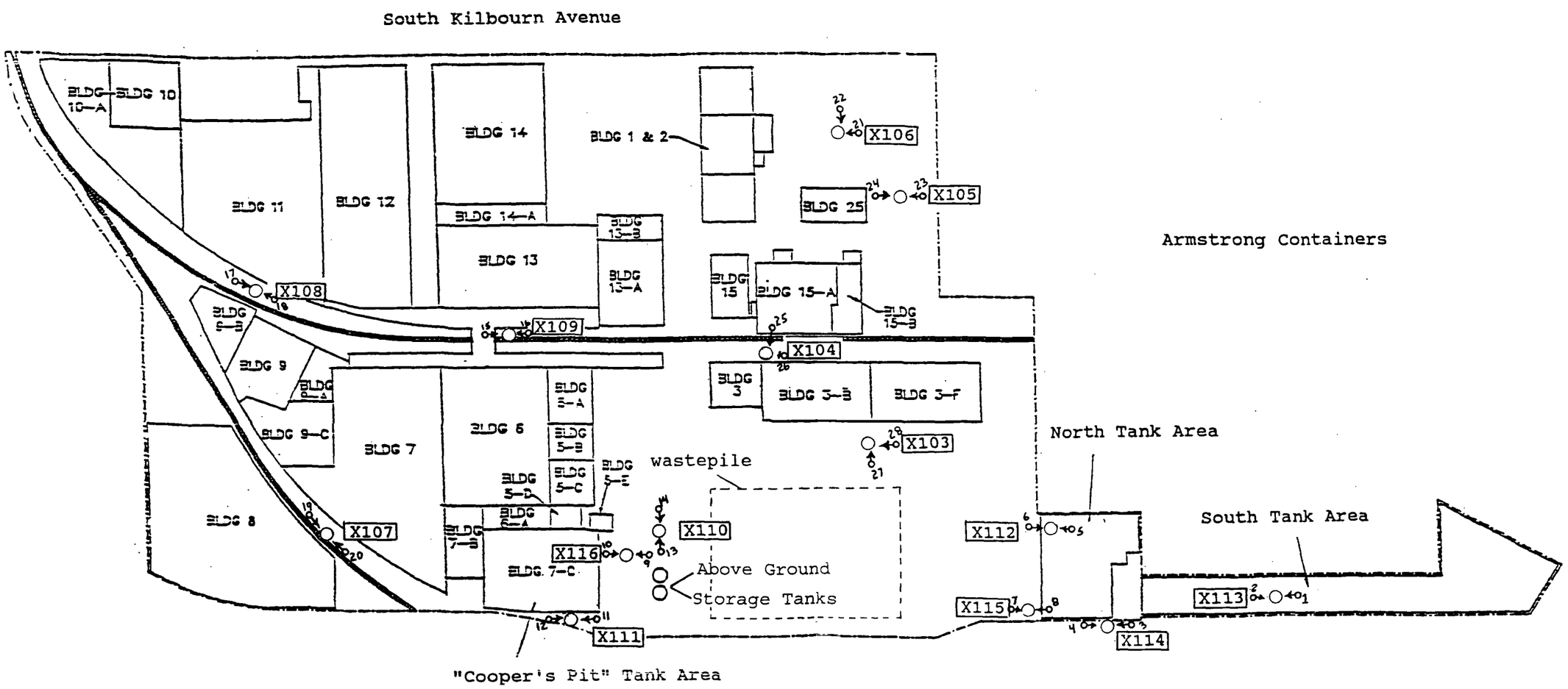
Soil/Sediment Sampling Procedures

Eighteen soil samples were collected during the Screening Site Inspection on May 18-19, 1993 to determine if contamination exists at locations where the majority of previous site activity had taken place. Samples at each sample point were placed into their respective glass containers in the following manner: volatile jars filled first, semi-volatile organic jars second, and inorganic jars third. After sampling each location, all sample containers were capped with their respective lids and placed in coolers immediately after obtaining the sample.

FIGURE 3-2

ON-SITE SAMPLE AND PHOTOGRAPH LOCATIONS





VALSPAR PAINTS

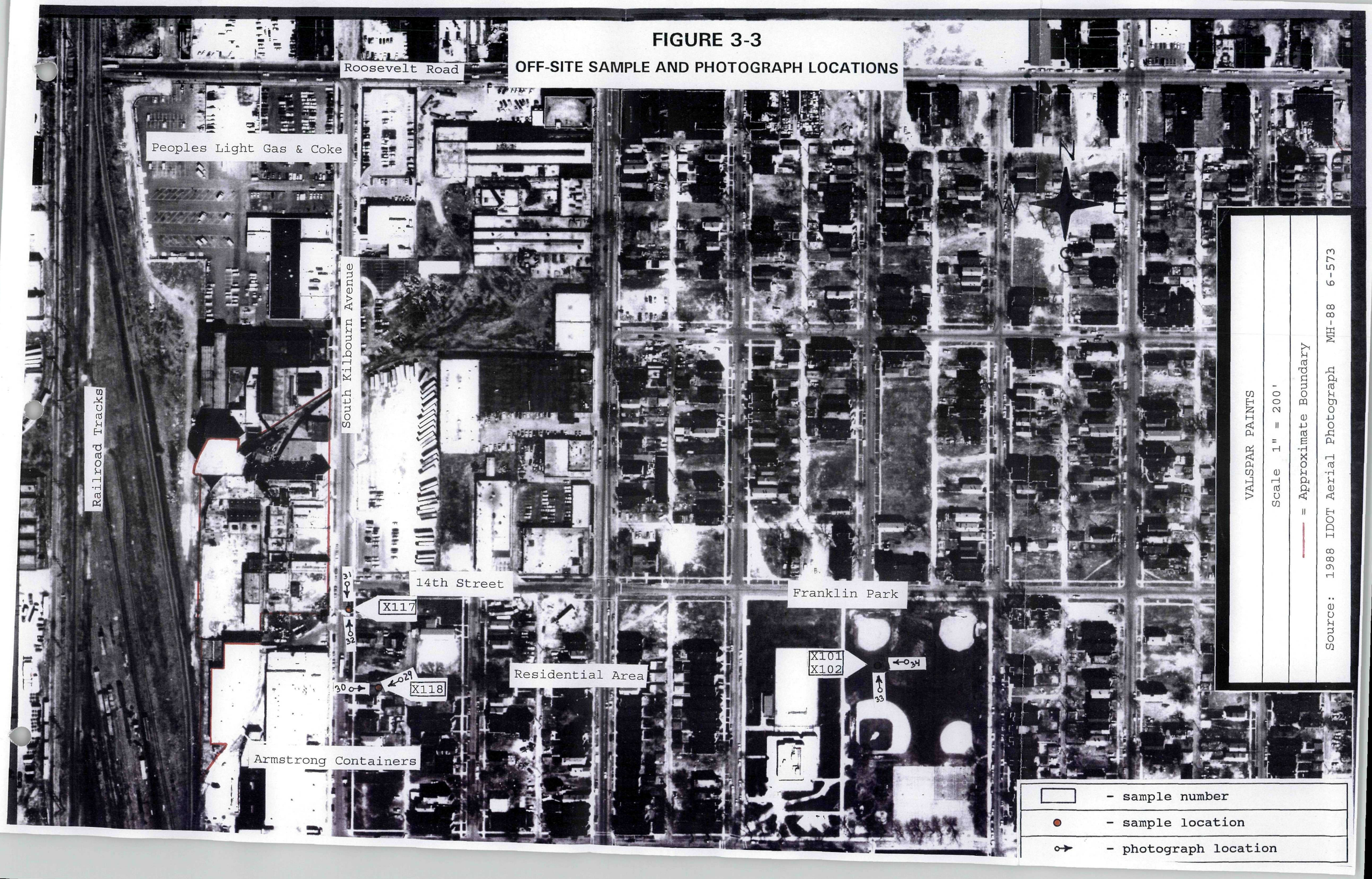
Map not to scale

---- = estimated property boundary

▭	- sample number
○	- sample location
○→	- photograph location

FIGURE 3-3

OFF-SITE SAMPLE AND PHOTOGRAPH LOCATIONS



Sample X101 was located 39 feet east of a light pole (visible in photograph number 34) and 49 feet south-west of a drain located in the north-central area of Franklin Park. Franklin Park is located approximately 1/4 mile south-east of Valspar Paints on 14th Street. The sample was taken from a grassy area between two baseball fields. This area was selected due to the relative short distance from Valspar and its undisturbed appearance. The purpose of sampling this location was to obtain a representative background sample. This sample was obtained, using a stainless steel trowel, from the surface to a depth of 6 inches. Air monitoring was performed by the use of an HNU with an 11.7 lamp. All subsequent samples were monitored in the same manner. Sample appearance consisted of black soil which contained fine granular material.

Sample X102 was a duplicate of X101. Soil that was obtained for X101 was placed in a stainless steel pan, mixed thoroughly, then placed alternately into jars for both X101 and X102.

Sample X103 was located 14 feet 6 inches west of building 3-B and 90 feet North of the fence separating the site and Armstrong Containers. Located west of the sampling point existed approximately eleven buildings which were destroyed in a 1982 fire. The area which contained the buildings was covered with fill material from an indeterminate source. The sample was taken from sediments which appeared to have collected on top of a concrete pad

located east of building 3-B. The sample was obtained from a depth of 6 to 12 inches. At the 12 inch level a concrete pad was encountered beneath the sediments. A pickax was used to break up the sediments and a stainless steel trowel was used to obtain the sample above the concrete pad. The sample appearance was a medium gray sand with a red/orange tint and contained pieces of orange brick.

Sample X104 was located 3 feet east of building 3-B and 3 feet south of building 3. Located above the sample point were several pipes which may have once carried various liquids. Railroad tracks were located directly east of the sample location. This area was chosen due to potential lead and PCB contamination. Vegetation was sparse and much debris littered the area. The sample was obtained, using a stainless steel trowel from a depth of 6 to 12 inches. Sample appearance was clay based soil with fine cinder material and small metal shavings within.

Sample X105 was located 24 feet north of the fence separating Valspar and Armstrong Containers and 20 feet south of building 25. The area surrounding building 25 consisted of a concrete pad which contained several scattered cracks through which vegetation was growing. The sample was taken through a crack in the concrete pad which encompassed the south-east corner of the property. This area was selected due to the potential storage of hazardous materials in this area. A pickax was used to break through an open area in the concrete. The sample was taken at a depth of 0 to 12 inches

using a shovel. Sample appearance was a dark cinder material which contained gravel and brick fragments.

Sample X106 was located 38 feet west of an entrance gate on the south-eastern boundary and 57 feet north of the fence separating Valspar and Armstrong Containers. This sample area was located east of building 25, and like sample X105, was in an area with surface sediments covering concrete. The concrete pad sloped toward a drain located just east of the sample location. Runoff from the concrete pad appeared to be toward a drain located east of building 25. This area was chosen due to the potential for runoff of material, stored in the area, to be directed and collected here. Approximately one inch of sediment had collected in this area and completely covered the drain. A pickax and a stainless steel trowel was used to obtain the sample from a depth of 0 to 1 inch. Sample appearance was a gray silt which was very dry and powdery.

Sample X107 was located 6 feet south of building 8 and 50 feet north-east of an entrance gate located on the north-west area of the site. The sample was collected in an area which was located between a sidewalk and railroad tracks which separate buildings 7 and 8. Sparse vegetation, debris, and a dead dog were found in the proximity of the sample location. This location was chosen because of the potential for contaminants to be released from buildings 7 and 8, or possible spills associated with the adjacent railroad spur. A shovel was used to penetrate the soil and collect the

sample from a depth of 0 to 6 inches. Sample appearance was a medium tan to black cinder material with gravel mixed within.

Sample X108 was located 3 feet west of the loading area adjacent to building 11 and 2 feet east of the railroad tracks. The location was littered with debris and contained weeds and small trees. Based on visual observations, this location was believed to be a loading area into building 11. This area was chosen as a sampling location due to the possibility that material may have been spilled during loading and unloading. The sample was obtained using a stainless steel trowel, from a depth of 0 to 6 inches. Sample appearance was medium gray, silty loam.

Sample X109 was located 3 feet west of a loading dock wall adjacent to building 13 and 2 feet east of the railroad tracks. The sample was taken from soil which was located directly below a walkway connecting buildings 6 and 13. This area was covered with weeds, gravel, and debris. The sample location was chosen to determine if contaminants had been released to this area during loading and unloading procedures. The sample was obtained using a stainless steel trowel, from a depth of 0 to 6 inches. Sample consisted a dark black sand with an orange/red solid material mixed within.

Sample X110 was located 6 feet north-east of a concrete pad under two above-ground storage tanks and 4 feet south of the concrete vault wall surrounding the "Coopers Pit" area

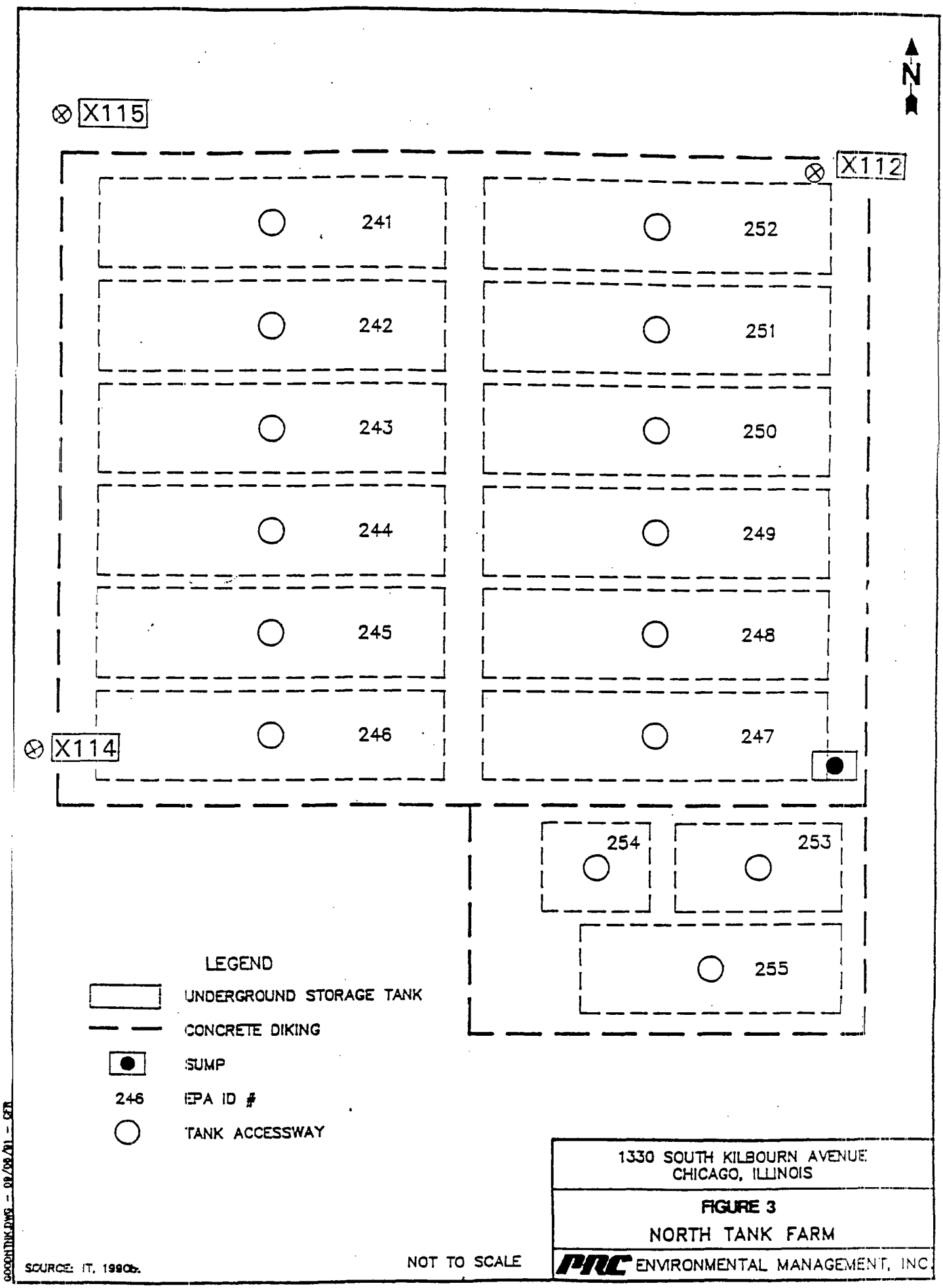
near building 7-C. This area contained weeds and large pieces of gravel on the surface. This area was chosen because it was the previous location of two above ground tanks. These two tanks were also noted in past inspection reports as not having any secondary containment system. The sample was obtained using a shovel and a stainless steel spoon, from a depth of 2 feet. Sample consisted of a mixture of rock and gravel within a loose black sand.

Sample X111 was located 4 feet west of building 7-C, (directly west of a number 16 painted on the wall) and 3 feet east of a fence marking the western boundary of Valspar. This area contained pipe raceways which carried resinous substances to various buildings. The resinous substance was a thick viscous substance which was dangling from the above pipes. The surface of this area was heavily littered with human clothes and other debris. A dead raccoon was found among the debris. A thick, black hardened substance covered approximately one inch of the surface. A pickax was used to break the hardened surface at which time an HNU reading of 300 units was obtained 6 inches above the surface. Due to the high HNU readings, full-faced respirators were used in the collection of this sample. The sample was collected beneath the hardened layer using a pickax. Sample consisted of a mixture of sand and gravel within a thick yellow/brown substance.

Sample X112 was located 2 feet south of the north concrete wall surrounding the north tank area and 7 feet west

of Armstrong Containers. This sample was taken from within the confinement of the north tank area which contains 15 under-ground storage tanks. The surface of the north tank area was partially covered with weeds and dry sand. A crack was visible on the exterior of the north concrete wall with an oily substance being released from the inside of the vault. The sample point was adjacent to this crack but from the inside of the vaulted area. This location was selected due to the potential that contaminants may be leaking from the numerous tanks buried within the vault. The sample penetrated the soil north of tank 252 (Figure 3-4). A stainless steel auger was used to obtain a sample from a depth of 10 to 11 feet. The boring revealed a sandy subsurface and moisture was observed at approximately 8 feet and below. When the sample was collected, an HNU reading of 180 units was obtained from the air within the boring. At the sample depth, for X112, a hard surface was encountered, indicating the possible bottom of the vault. Sample consisted of a wet sand which was a dark gray color.

Sample X113 was located 100 feet north of a fence separating Valspar and Armstrong Containers and 9 feet east of a fence on western boundary of Valspar. This sample was taken from within the south tank farm. The south tank farm consisted of 17 under-ground storage tanks which was surrounded by a concrete wall approximately 2 feet above the soil surface. The purpose of this sample was to determine if there were any contaminants leaking from the buried storage


N
X115
X112
X114
241
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246
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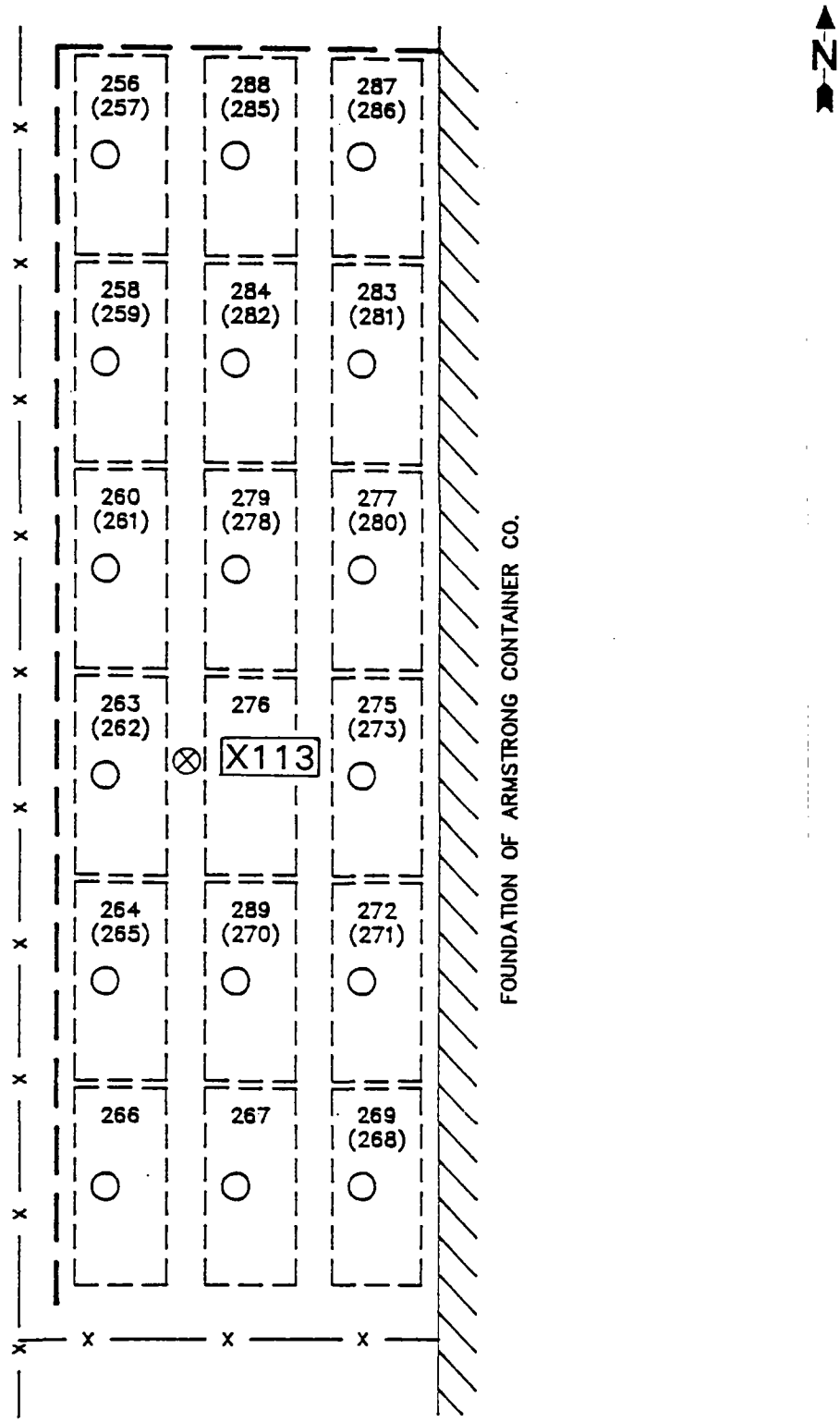
249
250
251
252
253
254
255
LEGEND
UNDERGROUND STORAGE TANK
CONCRETE DIKING
SUMP
246 EPA ID #
TANK ACCESSWAY
1330 SOUTH KILBOURN AVENUE
CHICAGO, ILLINOIS
FIGURE 3
NORTH TANK FARM
PRC ENVIRONMENTAL MANAGEMENT, INC.
NOT TO SCALE
SOURCE: IT, 1990b.

FIGURE 3-4

tanks into the surrounding soil. The soil boring penetrated the soil between tanks 263 and 276 (Figure 3-5). The surface of this tank area was sand mixed with gravel with scattered weeds. The sample was obtained at a depth of 7 feet using a stainless steel auger. When the sample was removed, an HNU reading of 40 units was obtained from the air within the boring. The sample appearance was that of dark, moist sand.

Sample X114 was located 1 foot west of the west concrete wall of the north tank area and 10 feet north of the gate south-west of the north tank area. The tanks within this area were surrounded by a concrete vault and are elevated approximately 5 feet above the surrounding soil surface. The sampling point was located outside the confinement of the vaulted walls of the north tank area (Figure 3-4). The purpose of this sample was to determine if contaminants were released from the buried tanks within the north tank area into the surrounding soil. The soil surface was partially vegetated and consisted of a sandy, silt layer. The sample was obtained using a stainless steel auger to a depth of 3 feet. A mixture of sand and silt was encountered from the surface to the sample depth. As the sample was removed, an HNU reading of 210 units was encountered from the air within the boring. Sample appearance consisted of dark sand with a mixture of gravel and silt.

Sample X115 was located 2 feet east of a fence which runs parallel to the north tank area and 2 feet north-east of the corner of the concrete enclosure of the north tank area.



LEGEND

UNDERGROUND STORAGE TANK

TANK ACCESSWAY

—— x —— FENCE

276 (274) EPA ID #

SOURCE: IT, 1990b.

NOT TO SCALE

1330 SOUTH KILBOURN AVENUE
CHICAGO, ILLINOIS

FIGURE 4

SOUTH TANK FARM

PRC ENVIRONMENTAL MANAGEMENT, INC.

FIGURE 3-5

The sample was taken outside the concrete vault containing the north tank area (Figure 3-4). The north tank area was elevated approximately 5 feet above the surrounding soil. The purpose of the sample was to determine if contaminants may have migrated from the buried tanks inside of the north tank area to the soil around the vault. The sample was obtained, from 2 feet below the soil surface using a stainless steel auger. An HNU reading of 20 units was recorded from the sample boring just prior to obtaining the sample. Sample consisted of a thick clay with small gravel mixed throughout.

Sample X116 was located 2 feet north of the south concrete wall and 3 feet west from the east concrete wall surrounding the "Cooper's Pit" area which is associated with building 7-C. The sample was taken in an area which contains 15 under-ground storage tanks located under and extending south of building 7-C. The soil boring penetrated the soil south of tank number 290 (Figure 3-6). The purpose of this sample was to determine if any contaminants may have migrated from the under-ground tanks into the soil. Sample was taken at a depth of 6 feet using a stainless steel auger. Air monitoring from the soil boring, prior to sampling, indicated an HNU reading of 20 units. The sample consisted of wet sand with an oily sheen and contained a strong odor.

Sample X117 was to be located in the yard of a resident located south-east of Valspar. Upon arrival, the resident was not present and an alternate location was chosen. The

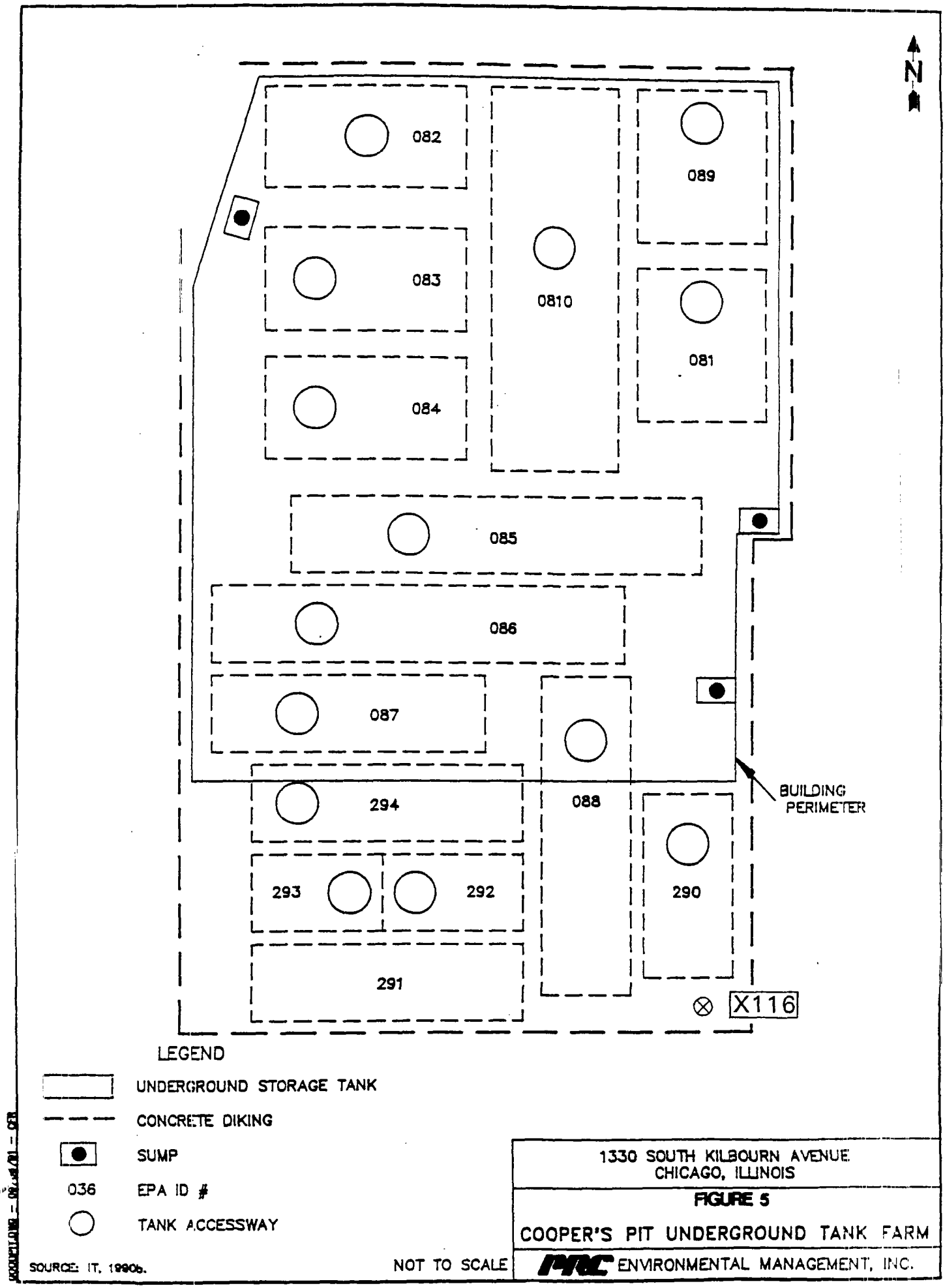

N
082
083
084
0810
089
081
085
086
087
088
294
293
292
291
290
BUILDING PERIMETER
X116
LEGEND
UNDERGROUND STORAGE TANK
CONCRETE DIKING
SUMP
036
EPA ID #
TANK ACCESSWAY
SOURCE: IT, 1990b.
NOT TO SCALE
1330 SOUTH KILBOURN AVENUE
CHICAGO, ILLINOIS
FIGURE 5
COOPER'S PIT UNDERGROUND TANK FARM
ENVIRONMENTAL MANAGEMENT, INC.

FIGURE 3-6

location of the sample was 7 feet east of South Kilbourn and 47 feet south of 14th Street. This particular location was approximately 250 feet south-east of the Valspar site and approximately 100 feet north-west of the resident. The off-site area was chosen due to the fact that previous reports had suggested that lead smelting may have occurred on the Valspar location in the past, and that airborne contaminants may have been transported to homes of the people on South Kilbourn Avenue. The sample was obtained, using a stainless steel trowel, from soil surface to a depth of 6 inches. Sample appearance was black soil with a cinder content.

Sample X118 was located in the yard of a resident located at South Kilbourn. The sample was located 9 feet south of the north fence line and 25 feet east of the back of the house. The residence location was approximately 600 feet south-east of Valspar. The purpose of the sample was the same as described in sample X117. The sample was obtained, using a stainless steel trowel, from the soil surface to a depth of six inches. Sample consisted of black soil consisting of cinders. Area was well vegetated with grass.

All samples were analyzed for the Target Compound List constituents and can be found in Appendix B. All samples were delivered on May 19, 1993 to Weston-Gulf Coast, Incorporated in University Park, Illinois. Photographs of the site and sample points are provided in Appendix C (Figures 3-2 and 3-3 for Photograph Location Maps).

Decontamination Procedures

Standard Illinois Environmental Protection Agency decontamination procedures were followed prior to collection of all samples. All sampling equipment had been previously decontaminated at the Illinois EPA's decontamination room prior to its transport to the site. Decontamination procedures included the cleaning of all equipment with a liquid Alconox solution, rinsing with hot tap water, rinsing with a 50% mixture of acetone and water, rinsing with hot tap water again, and with distilled water as a final rinse. All equipment is either dried with paper towel or air dried, then wrapped and stored in heavy duty aluminum foil. Field decontamination procedures include all of the above except the hot tap water rinse.

3.5 Analytical Results

This section includes a summary of the analytical results of samples collected during the CERCLA Site Inspection conducted at the Valspar Paints site in Chicago, Illinois.

Analytical Results of IEPA Collected Samples

Chemical analysis of soil samples collected by IEPA personnel revealed the presence of volatiles, semi-volatiles, pesticides, heavy metals, common laboratory artifacts, and common soil constituents at the Valspar Paint Corporation site. Table 3-3 contains a summary of soil sample chemical

analysis results. Complete laboratory analytical data of Valspar Paints sample analysis are provided in Appendix L (under separated cover as Volume 2 of this report).

Elevated levels of semi-volatile constituents are found in all samples except X113. Volatile constituent levels varied and are found in all samples except X104, X112, and X116. Differing levels of pesticide contamination are noted in all samples. Various levels of inorganic constituents and heavy metals are present in all samples as well. The highest levels of semi-volatile contaminants are contained within samples from all samples X106, X108-X111, X114, and X118. Highest levels of inorganic contaminants are contained within samples X103, X106, X108, X109, and X118. Sample points X111 and X114 correspond to the highest levels of volatile fractions detected. The highest levels of pesticide contamination are documented within samples X106, X109, X111, X116, and X117.

3.6 Key Samples

The following table (Table 3-2) identifies the key samples that were taken during the Valspar Paint Screening Site Inspection and shown to contain contaminants at a level significantly higher than background levels. For a review of contaminants detected in all samples, reference Table 3-3, Sample Summary, located after Table 3-1 in this section. (Table 3-2 can also be found at the front of Volume 2 of 2 of this report).

TABLE 3-1

SAMPLE DESCRIPTIONS

SAMPLE	DEPTH	APPEARANCE	LOCATION
X101	0" – 6"	Black soil which contained fine granular material.	North–central area of Franklin Park. 39 feet east of light pole and 49 feet SW of drain in the north–central area of Franklin Park. Background sample.
X102	(Duplicate of X101)		
X103	6" – 12"	Medium gray sand with red/ orange tint.	Down slope of wastepile. 14 feet six inches west of building 3–B and 90 feet north of fence separating Valspar and Armstrong Containers.
X104	6" – 12"	Clay–based with fine cinder material and metal shavings.	Slightly north of railroad tracks. 3 feet east of building 3–B and 6 feet south of building 3.
X105	0" – 12"	Dark, cinder material containing brick and gravel fragments.	On concrete pad south of building 25. 24 feet north of fence between the facility and Armstrong Containers and 20 feet south of building 25.
X106	0" – 1"	Gray, powdery silt which was very dry.	On concrete pad east of building 25. 38 feet west of entrance gate and 57 feet north of fence separating Valspar and Armstrong Containers.
X107	0" – 6"	Medium tan to black, cinder material mixed with gravel.	Loading area between buildings 7 and 8. 6 feet south of building 8 and 50 feet NE of entrance gate on NW area of facility.
X108	0" – 6"	Medium gray, silty loam.	West of loading area adjacent to building 11. 3 feet west of building 11 and 2 feet east railroad tracks.
X109	0" – 6"	Dark black sand with orange, red mixed within.	West of loading dock adjacent to building 13. 3 feet west of loading dock connected to building 13 and 2 feet east of railroad tracks, beneath south edge of walkway.
X110	0" – 2'	Mixture of rock and gravel within black sand.	SE of the "Cooper's Pit" area. 6 feet NE of two empty above–ground tanks and 4 feet south of SE corner of "Cooper's Pit."
X111	1" – 2"	Sand and gravel containing thick yellow, brown substance. HNU – 300 units.	Beneath pipes carrying resinous material west of building 7–C. 4 feet west of #16 painted on the wall of building 7–C and 3 feet east of west boundary fence.
X112	10' – 11'	Wet sand dark gray in color. HNU – 180 units.	Soil north of tank 252 in north tank farm. 2 feet south of the north wall of tank farm and 7 feet west of Armstrong Containers.
X113	7'	Dark, moist sand. HNU – 40 units.	Soil between tanks 263 and 276 in south tank farm. 100 feet north of south boundary fence and 9 feet east of fence marking west boundary.
X114	3'	Dark sand with gravel and sand mixed throughout. HNU – 210 units.	West of SW corner of north tank farm. 1 foot west of SW corner of north tank farm and 10 feet north of entrance gate, SW of tank farm.
X115	2'	Thick clay with gravel mixed throughout. HNU – 20 units.	North of the NW corner of north tank farm. 2 feet east of west fence boundary and 2 feet NE of NW corner of the north tank farm.
X116	6'	Wet sand containing and oily sheen and strong odor. HNU – 20 units.	Soil south of tank 290 in "Cooper's Pit." 2 feet north of the south concrete wall of the tank farm and 3 feet west of the east concrete wall of the tank farm.
X117	0" – 6"	Black, urban soil containing cinders.	Closest resident SE of Valspar @ South Kilbourn. 7 feet east of South Kilbourn and 47 feet south of 14th Street.
X118	0" – 6"	Black, urban soil containing cinders.	Another resident SE of Valspar @ South Kilbourn. 9 feet south of a north property fence and 25 feet east of the back of the house.

TABLE 3-2
KEY SAMPLE SUMMARY

SAMPLING POINT	X101 5-19-93 Soil Bkgnd.		X102 5-19-93 Dup of X101		X103 5-19-93		X104 5-18-93		X105 5-18-93		X106 5-18-93		X107 5-18-93		X108 5-18-93		X109 5-18-93	
VOLATILES																		
2-Butanone	--		--		--		--		--		--		--		--		--	
Carbon Disulfide	--		--		--		--		--		--		--		--		--	
Chloroform	9.0	J	--		--		--		--		--		--		--		--	
1,2-Dichloroethene (total)	--		--		--		--		--		--		--		--		--	
1,2-Dichloroethane	5.0	J	--		20.0	J	--		16.0	J	--		22.0	J	--		21.0	J
Ethylbenzene	--		--		--		--		--		--		--		--		--	
1,1,2-Trichloroethane	6.0	J	19.0	J	--		--		--		--		--		--		24.0	J
Tetrachloroethene	--		--		--		--		--		--		--		--		32.0	J
1,1,2,2-Tetrachloroethane	--		--		--		--		--		--		--		--		--	
Toluene	--		--		--		--		--		--		--		--		--	
Xylene (total)	--		--		--		--		11.0	J	--		--		--		--	
	(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)	
INORGANICS																		
Aluminum	9340.0		--		--		--		--		--		--		--		--	
Antimony	7.0	J	--		--		--		--		--		--		--		105.0	J
Arsenic	16.1	J	--		--		--		--		--		--		--		--	
Barium	91.6		--		--		--		658.0		1660.0		605.0		1270.0		3390.0	
Cadmium	2.0		--		--		--		--		14.4		--		11.3		12.6	
Calcium	19700.0		--		71400.0		--		64600.0		65500.0		--		--		--	
Chromium	35.0		--		--		--		--		211.0		--		--		2890.0	
Cobalt	10.5		--		--		--		--		38.6		--		--		42.4	
Copper	57.5		--		--		--		--		310.0		189.0		265.0		239.0	
Iron	20600.0		--		--		--		--		--		--		--		69700.0	
Lead	146.0		--		--		--		622.0		6930.0		1050.0		4310.0		17000.0	
Magnesium	10400.0		--		33300.0		--		--		34700.0		--		--		--	
Manganese	670.0		--		--		--		--		--		--		--		--	
Mercury	0.15		1.8		2.7		--		--		2.0		0.59		2.6		7.3	
Nickel	28.6		--		--		--		--		--		--		--		--	
Potassium	1230.0		--		--		--		--		--		--		--		--	
Selenium	0.82	B	--		--		--		--		--		--		--		--	
Silver	--		--		--		--		--		1.9	B	--		2.1	B	3.1	
Sodium	68.4	B	--		--		2180.0		299.0	B	471.0	B	445.0	B	298.0	B	994.0	B
Thallium	0.38	J	--		--		--		--		1.6	J	--		1.9	J	2.2	J
Vanadium	24.3		--		--		--		--		--		--		--		--	
Zinc	189.0		--		--		--		--		2370.0		1000.0		6640.0		3680.0	
Sulfate	93.4		--		342.0		--		--		--		452.0		--		--	
	(ppm)		(ppm)		(ppm)		(ppm)		(ppm)		(ppm)		(ppm)		(ppm)		(ppm)	

TABLE 3-2
KEY SAMPLE SUMMARY

SAMPLING POINT	X101 5-19-93 Soil Bkgnd.		X110 5-18-93		X111 5-18-93		X112 5-18-93		X113 5-18-93		X114 5-18-93		X115 5-18-93		X116 5-18-93		X117 5-19-93		X118 5-19-93	
VOLATILES																				
2-Butanone	--		--		--		--		--		40.0		--		--		--		--	
Carbon Disulfide	--		--		--		--		--		--		--		--		--		--	
Chloroform	9.0	J	--		--		--		--		--		--		--		--		--	
1,2-Dichloroethene (total)	--		--		--		--		--		8.0	J	--		--		--		--	
1,2-Dichloroethane	5.0	J	15.0		--		--		--		51.0		--		--		--		--	
Ethylbenzene	--		--		530000.0	D	--		--		210.0		--		--		--		--	
1,1,2-Trichloroethane	6.0	J	--		--		--		--		--		--		--		21.0		--	
Tetrachloroethene	--		--		--		--		--		15.0		--		--		--		--	
1,1,2,2-Tetrachloroethane	--		--		--		--		3.0	J	--		--		--		--		--	
Toluene	--		--		30000.0		--		--		61.0		--		--		--		--	
Xylene (total)	--		--		1700000.0	D	--		--		9100.0	D	13.0		--		--		--	
	(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)	
INORGANICS																				
Aluminum	9340.0		--		--		--		--		--		--		--		--		--	
Antimony	7.0	J	--		--		--		--		--		--		--		--		--	
Arsenic	16.1	J	--		--		--		--		--		--		--		--		--	
Barium	91.6		--		--		--		--		532.0		--		--		--		--	
Cadmium	2.0		--		--		--		--		--		--		--		--		--	
Calcium	19700.0		--		--		--		--		--		--		--		--		--	
Chromium	35.0		--		--		--		--		--		--		--		--		--	
Cobalt	10.5		--		--		--		--		--		--		--		--		--	
Copper	57.5		--		--		--		--		--		--		--		--		--	
Iron	20500.0		--		--		--		--		--		--		--		--		--	
Lead	146.0		--		--		--		--		1580.0		--		--		563.0		1260.0	
Magnesium	10400.0		--		--		--		--		--		--		--		--		--	
Manganese	670.0		--		--		--		--		--		--		--		--		--	
Mercury	0.15		--		--		--		--		--		--		0.48		--		0.53	
Nickel	28.6		--		--		--		--		--		--		--		--		--	
Potassium	1230.0		--		--		--		--		--		--		--		--		--	
Selenium	0.82	B	--		--		--		--		--		--		--		--		2.7	
Silver	--		1.5	B	--		--		--		2.1	B	1.9		--		0.95	B	2.2	B
Sodium	68.4	B	--		--		--		--		--		--		--		--		--	
Thallium	0.38	J	1.7	J	--		--		--		--		--		--		--		--	
Vanadium	24.3		--		--		--		--		--		--		--		--		--	
Zinc	189.0		969.0		--		--		--		1270.0		--		--		--		--	
Sulfate	93.4		--		--		--		--		--		--		--		--		--	
	(ppm)		(ppm)		(ppm)		(ppm)		(ppm)		(ppm)		(ppm)		(ppm)		(ppm)		(ppm)	

TABLE 3-2
KEY SAMPLE SUMMARY

SAMPLING POINT	X101 5-19-93 Soil Bkgnd.		X102 5-19-93 Dup of X101		X103 5-19-93		X104 5-18-93		X105 5-18-93		X106 5-18-93		X107 5-18-93		X108 5-18-93		X109 5-18-93	
SEMIVOLATILES																		
Fluorene	--		--		--		--		--		--		--		--		--	
Phenanthrene	340.0	J	--		--		--		1100.0		22000.0		--		5000.0		1700.0	J
Anthracene	58.0	J	--		--		--		--		2600.0	J	260.0	J	1300.0	J	610.0	J
Fluoranthene	570.0		--		--		--		--		29000.0		--		8700.0		3200.0	J
Pyrene	560.0		--		--		--		--		25000.0		--		10000.0		3700.0	J
Benzo(a)anthracene	330.0	J	--		1000.0		--		1200.0		17000.0		--		6200.0		2500.0	J
Chrysene	380.0	J	--		--		--		--		13000.0		--		4500.0		2900.0	J
Benzo(b)fluoranthene	630.0		--		2700.0		--		2600.0	J	20000.0		--		13000.0	J	7300.0	J
Benzo(k)fluoranthene	130.0	J	--		570.0		--		420.0	J	5900.0		--		3200.0	J	1400.0	J
Benzo(a)pyrene	380.0	J	--		1200.0		--		--		11000.0		--		5400.0	J	3800.0	J
Indeno(1,2,3-cd)pyrene	250.0	J	--		1000.0	J	--		--		8400.0		--		1800.0	J	1900.0	J
Dibenzo(a,h)anthracene	--		--		240.0	J	92.0	J	160.0	J	1100.0	J	--		410.0	J	--	
Benzo (g,h,i) perylene	210.0	J	--		930.0	J	680.0	J	--		6000.0		--		1200.0	J	900.0	J
Napthalene	--		--		--		--		150.0	J	930.0	J	120.0	J	460.0	J	--	
2-Methylnapthalene	--		--		--		--		110.0	J	670.0	J	380.0	J	250.0	J	--	
Acenaphthylene	--		--		--		--		97.0	J	--		180.0	J	910.0	J	570.0	J
Acenapthene	--		--		--		--		--		2000.0	J	--		400.0	J	--	
Dibenzofuran	--		--		--		--		120.0	J	1200.0	J	120.0	J	290.0	J	--	
Carbazole	48.0	J	--		--		--		--		3200.0	J	160.0	J	640.0	J	--	
Butylbenzylpthalate	--		--		--		--		--		1600.0	J	--		--		2000.0	J
bis(2-ethylhexyl)phthalate	760.0		--		--		--		--		9900.0		--		3500.0		17000.0	
4-Nitroaniline	--		--		--		--		--		--		--		350.0		--	
Di-n-Octyl phthalate	--		--		--		--		--		--		--		--		--	
Di-n-Butylphthalate	--		--		--		--		--		--		--		--		--	
	(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)	
PESTICIDES																		
beta-BHC	--		--		--		--		--		--		--		7.8	JP	--	
Heptachlor	--		--		--		--		--		--		--		--		--	
Heptachlor epoxide	--		--		--		--		--		--		1.6	P	--		--	
Endosulfan I	--		--		--		--		--		--		--		--		--	
4,4'-DDE	27.0	J	--		--		--		--		--		--		--		--	
Dieldren	--		--		--		--		--		--		--		--		--	
Endrin	--		--		--		--		--		--		9.0	P	--		--	
4,4'-DDD	3.5	P	--		--		--		--		--		35.0		--		130.0	P
Endosulfan II	--		--		4.1	P	--		3.4	JP	--		4.3	P	--		--	
Endosulfan sulfate	--		--		--		--		4.5	P	20.0	JP	--		12.0	JP	--	
4,4'-DDT	15.0	P	--		--		--		--		--		--		210.0	P	290.0	P
alpha-Chlordane	--		--		--		--		--		--		--		--		--	
gamma-Chlordane	--		--		--		--		--		--		--		--		--	
Endrin ketone	--		--		--		--		--		--		--		--		--	
Endrin aldehyde	--		--		--		--		--		--		--		--		--	
Methoxychlor									--		71.0	JP	--		--		--	
Aroclor-1254	--		87.0	P	--		--		--		2700.0	P	--		--		3800.0	PC
	(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)	

TABLE 3-2
KEY SAMPLE SUMMARY

SAMPLING POINT	X101 5-19-93 Soil Bkgnd.		X110 5-18-93		X111 5-18-93		X112 5-18-93		X113 5-18-93		X114 5-18-93		X115 5-18-93		X116 5-18-93		X117 5-19-93		X118 5-19-93	
SEMIVOLATILES																				
Fluorene	--		--		--		--		--		--		--		--		63.0	J	230.0	J
Phenanthrene	340.0	J	--		--		--		--		1200.0	J	--		--		--		2100.0	
Anthracene	58.0	J	--		--		--		--		--		--		--		--		390.0	
Fluoranthene	570.0		--		--		--		--		--		--		--		--		2800.0	
Pyrene	560.0		--		--		--		--		--		--		--		--		2900.0	
Benzo(a)anthracene	330.0	J	1100.0		--		--		--		--		--		--		--		2000.0	
Chrysene	380.0	J	--		--		--		--		--		--		--		--		1600.0	
Benzo(b)fluoranthene	630.0		11000.0		--		--		--		--		--		--		1900.0	J	2800.0	J
Benzo(k)fluoranthene	130.0	J	740.0		--		--		--		--		--		--		--		840.0	J
Benzo(a)pyrene	380.0	J	1600.0		--		--		--		--		--		--		--		1600.0	J
Indeno(1,2,3-cd)pyrene	250.0	J	960.0		--		--		--		--		--		--		--		--	
Dibenzo(a,h)anthracene	--		210.0	J	--		--		--		--		--		--		52.0	J	130.0	J
Benzo (g,h,i) perylene	210.0	J	--		--		--		--		--		--		--		--		--	
Napthalene	--		130.0	J	16000.0		--		--		4900.0	J	49.0	J	--		57.0	J	180.0	J
2-Methylnapthalene	--		73.0	J	2900.0	J	--		--		1500.0	J	79.0	J	--		81.0	J	140.0	J
Acenaphthylene	--		50.0	J	--		--		--		--		--		--		--		140.0	J
Acenapthene	--		--		--		--		--		--		--		76.0	J	56.0	J	190.0	J
Dibenzofuran	--		38.0	J	--		--		--		--		--		--		49.0	J	130.0	J
Carbazole	48.0	J	--		--		--		--		--		--		--		--		260.0	J
Butylbenzylpthalate	--		--		--		--		--		--		--		--		100.0	J	390.0	
bis(2-ethylhexyl)phthalate	760.0		--		3500.0	J	--		--		--		--		--		--		2900.0	
4-Nitroaniline	--		--		--		--		--		1100.0	J	--		--		--		--	
Di-n-Octyl phthalate	--		--		--		--		--		--		--		--		--		94.0	J
Di-n-Butylphthalate	--		--		5800.0	J	--		--		4200.0		--		--		--		--	
	(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)	
PESTICIDES																				
beta-BHC	--		--		--		--		--		--		--		--		--		--	
Heptachlor	--		1.1	JP	18.0		--		--		--		--		--		--		--	
Heptachlor epoxide	--		--		--		--		--		1.2	JP	--		--		--		2.0	P
Endosulfan I	--		--		--		3.5		--		--		--		59.0	P	--		--	
4,4'-DDE	27.0	J	--		--		--		--		--		--		--		1400.0	JC	--	
Dieldrin	--		--		--		--		--		--		--		--		--		1.6	JP
Endrin	--		--		--		--		--		6.9	P	2.1	JP	--		--		7.9	P
4,4'-DDD	3.5	P	--		--		--		--		--		--		35.0	JP	90.0	P	10.0	P
Endosulfan II	--		--		--		--		--		--		--		--		--		4.3	P
Endosulfan sulfate	--		--		--		--		--		--		--		--		--		--	
4,4'-DDT	15.0	P	--		--		--		--		--		--		--		1600.0	C	89.0	
alpha-Chlordane	--		--		--		--		--		--		--		--		--		11.0	P
gamma-Chlordane	--		--		--		--		--		--		--		--		--		4.7	P
Endrin ketone	--		--		--		--		--		--		--		--		--		--	
Endrin aldehyde					190.0	P														
Methoxychlor	--		--		--		--		--		--		--		--		--		--	
Aroclor-1254	--		140.0		--		--		--		--		--		15000.0	DPC	--		--	
	(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)	

TABLE 3-3
ANALYTICAL RESULTS

SAMPLING POINT	X101		X102		X103		X104		X105		X106		X107		X108		X109	
	5-19-93		5-19-93		5-19-93		5-18-93		5-18-93		5-18-93		5-18-93		5-18-93		5-18-93	
	Soil Bkgnd.		Dup of X101															
VOLATILES																		
2-Butanone	--		--		--		--		--		--		--		--		--	
Carbon Disulfide	--		--		--		--		--		--		--		--		--	
Chloroform	9.0	J	7.0	J	7.0	J	--		10.0	J	5.0	J	10.0	J	--		14.0	J
1,2-Dichloroethene (total)	--		--		--		--		--		--		--		--		--	
1,2-Dichloroethane	5.0	J	9.0	J	20.0	J	--		16.0	J	8.0	J	22.0	J	--		21.0	J
Ethylbenzene	--		--		--		--		--		--		--		--		--	
1,1,2-Trichloroethane	6.0	J	19.0	J	16.0	J	--		7.0	J	--		13.0	J	4.0	J	24.0	J
Tetrachloroethene	--		--		--		--		--		--		--		--		32.0	J
1,1,2,2-Tetrachloroethane	--		--		--		--		--		--		--		--		--	
Toluene	--		--		--		--		--		--		--		--		--	
Xylene (total)	--		--		--		--		11.0	J	--		--		--		--	
	(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)	
INORGANICS																		
Aluminum	9340.0		9240.0		2760.0		18100.0		6930.0		7780.0		6290.0		9120.0		12000.0	
Antimony	7.0	J	7.6	J	7.1	J	8.9	J	7.7	J	8.7	J	7.3	J	7.3	J	105.0	J
Arsenic	16.1	J	8.8	J	2.7	J	8.0	J	7.2	J	6.6	J	11.6	J	17.1	J	40.8	J
Barium	91.6		82.4		38.7	B	110.0		658.0		1660.0		605.0		1270.0		3390.0	
Cadmium	2.0		2.3		--		--		1.0	B	14.4		2.9		11.3		12.6	
Calcium	19700.0		18600.0		71400.0		8340.0		64600.0		65500.0		31700.0		20500.0		49400.0	
Chromium	35.0		31.2		8.5		36.5		33.4		211.0		90.6		78.4		2890.0	
Cobalt	10.5		8.3	B	4.5	B	15.7		8.1	B	38.6		14.4		28.8		42.4	
Copper	57.5		50.5		16.1		47.3		59.2		310.0		189.0		265.0		239.0	
Iron	20600.0		18700.0		8880.0		28900.0		18600.0		29600.0		20000.0		42100.0		69700.0	
Lead	146.0		116.0		88.1		93.6		622.0		6930.0		1050.0		4310.0		17000.0	
Magnesium	10400.0		9610.0		33300.0		7600.0		25300.0		34700.0		11700.0		8880.0		13000.0	
Manganese	670.0		577.0		408.0		300.0		282.0		634.0		368.0		493.0		687.0	
Mercury	0.15		1.8		2.7		0.27		0.30		2.0		0.59		2.6		7.3	
Nickel	28.6		25.4		7.7	B	46.9		20.2		38.1		23.3		145.0		52.8	
Potassium	1230.0		1270.0		455.0	B	3260.0		1030.0	B	1000.0		1210.0		1380.0		2010.0	
Selenium	0.82	B	0.69	B	--		--		0.29	J	0.42	J	0.37	B	0.59	J	0.59	J
Silver	--		--		--		--		--		1.9	B	--		2.1	B	3.1	
Sodium	68.4	B	69.5	B	155.0	B	2180.0		299.0	B	471.0	B	445.0	B	298.0	B	994.0	B
Thallium	0.38	J	0.31	J	0.36	J	0.45	J	0.35	J	1.6	J	0.30	J	1.9	J	2.2	J
Vanadium	24.3		22.2		11.0		29.4	B	20.0		20.8		16.9		32.2		28.7	
Zinc	189.0		163.0		168.0		174.0		555.0		2370.0		1000.0		6640.0		3680.0	
Sulfate	93.4		82.5		342.0		195.0		123.0		171.0		452.0		80.0		214.0	
	(ppm)		(ppm)		(ppm)		(ppm)		(ppm)		(ppm)		(ppm)		(ppm)		(ppm)	

TABLE 3-3
ANALYTICAL RESULTS

SAMPLING POINT	X101 5-19-93 Soil Bkgnd.		X110 5-18-93		X111 5-18-93		X112 5-18-93		X113 5-18-93		X114 5-18-93		X115 5-18-93		X116 5-18-93		X117 5-19-93		X118 5-19-93	
VOLATILES																				
2-Butanone	--		--		--		--		--		40.0		--		--		--		--	
Carbon Disulfide	--		--		--		--		--		--		--		--		--		--	
Chloroform	9.0	J	9.0	J	--		--		--		12.0		4.0	J	--		15.0		11.0	J
1,2-Dichloroethene (total)			--		--		--		--		8.0	J	--		--		--		--	
1,2-Dichloroethane	5.0	J	15.0		--		--		--		51.0		12.0	J	--		18.0		11.0	J
Ethylbenzene	--		--		530000.0	D	--		--		210.0		--		--		--		--	
1,1,2-Trichloroethane	6.0	J	12.0	J	--		--		--		--		9.0	J	--		21.0		12.0	J
Tetrachloroethene	--		--		--		--		--		15.0		--		--		--		--	
1,1,2,2-Tetrachloroethane	--		--		--		--		3.0	J	--		--		--		--		--	
Toluene	--		--		30000.0		--		--		61.0		--		--		--		--	
Xylene (total)	--		--		1700000.0	D	--		--		9100.0	D	13.0		--		--		--	
	(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)	
INORGANICS																				
Aluminum	9340.0		4480.0		1960.0		2030.0		2050.0		6170.0		11400.0		714.0		12600.0		12800.0	
Antimony	7.0	J	7.0	J	7.4	J	6.5	J	7.6	J	7.4	J	6.3	J	8.0	J	5.5	J	8.0	J
Arsenic	16.1	J	9.4	J	5.0	J	3.1	J	1.4	J	12.1	J	7.5	J	0.90	J	15.5	J	17.6	J
Barium	91.6		50.3		23.4	B	17.4	B	13.7	B	532.0		157.0		20.2	B	142.0		195.0	
Cadmium	2.0		1.4		--		--		--		3.7		--		--		1.0		4.1	
Calcium	19700.0		4320.0		47600.0		32600.0		44200.0		15300.0		8210.0		926.0	B	13100.0		13200.0	
Chromium	35.0		35.4		4.8		9.4		4.8		41.6		20.7		4.8		24.9		63.7	
Cobalt	10.5		6.7	B	3.0	B	7.0	B	2.7	B	7.9	B	19.6		3.0	B	9.2		11.2	B
Copper	57.5		160.0		9.0		16.6		3.9	B	105.0		42.3		5.7	B	48.2		131.0	
Iron	20600.0		45800.0		5800.0		6570.0		6110.0		36400.0		32500.0		2870.0		22500.0		23300.0	
Lead	146.0		61.3		20.5		172.0		25.4		1580.0		69.0		57.7		563.0		1260.0	
Magnesium	10400.0		2010.0		23400.0		16900.0		22800.0		5970.0		4600.0		569.0	B	6940.0		6330.0	
Manganese	670.0		1120.0		191.0		271.0		233.0		303.0		697.0		25.1		414.0		353.0	
Mercury	0.15		0.09		--		0.23		--		0.38		0.13		0.48		0.22		0.53	
Nickel	28.6		41.7		6.0	B	11.5		6.0	B	24.6		41.9		--		28.2		48.9	
Potassium	1230.0		400.0	B	463.0	B	283.0	B	306.0	B	978.0	B	1770.0		--		2710.0		2590.0	
Selenium	0.82	B	0.39	J	--		0.31	B	--		0.41	J	--		--		0.65	J	2.7	
Silver	--		1.5	B	--		--		--		2.1	B	1.9		--		0.95	B	2.2	B
Sodium	68.4	B	141.0	B	143.0	B	91.2	B	86.0	B	178.0	B	142.0	B	--		205.0	B	92.4	B
Thallium	0.38	J	1.7	J	0.39	J	0.38	J	0.41	J	--		0.40	J	0.41	J	0.40	J	0.36	J
Vanadium	24.3		8.6	B	8.5	B	7.4	B	8.5	B	--		33.0		2.5	B	28.7		27.7	
Zinc	189.0		969.0		50.1		102.0		26.3		1270.0		145.0		101.0		229.0		547.0	
Sulfate	93.4		--		62.2		148.0		--		190.0		84.8		101.0		--		61.8	
	(ppm)		(ppm)		(ppm)		(ppm)		(ppm)		(ppm)		(ppm)		(ppm)		(ppm)		(ppm)	

TABLE 3-3
ANALYTICAL RESULTS

SAMPLING POINT	X101		X102		X103		X104		X105		X106		X107		X108		X109	
	5-19-93		5-19-93		5-19-93		5-18-93		5-18-93		5-18-93		5-18-93		5-18-93		5-18-93	
	Soil Bkgnd.		Dup of X101															
SEMIVOLATILES																		
Fluorene	--		--		--		--		--		2100.0	J	--		470.0	J	--	
Phenanthrene	340.0	J	240.0	J	250.0	J	780.0	J	1100.0		22000.0		950.0		5000.0		1700.0	J
Anthracene	58.0	J	--		70.0	J	160.0	J	140.0	J	2600.0	J	260.0	J	1300.0	J	610.0	J
Fluoranthene	570.0		490.0		910.0		1200.0		1100.0		29000.0		1300.0		8700.0		3200.0	J
Pyrene	560.0		490.0		1400.0		1200.0		1500.0		25000.0		1300.0		10000.0		3700.0	J
Benzo(a)anthracene	330.0	J	290.0	J	1000.0		610.0	J	1200.0		17000.0		820.0		6200.0		2500.0	J
Chrysene	380.0	J	350.0	J	990.0		680.0	J	860.0		13000.0		780.0		4500.0		2900.0	J
Benzo(b)fluoranthene	630.0		510.0		2700.0		950.0		2600.0	J	20000.0		1500.0		13000.0	J	7300.0	J
Benzo(k)fluoranthene	130.0	J	120.0		570.0		240.0	J	420.0	J	5900.0		240.0	J	3200.0	J	1400.0	J
Benzo(a)pyrene	380.0	J	310.0	J	1200.0		610.0	J	730.0	J	11000.0		730		5400.0	J	3800.0	J
Indeno(1,2,3-cd)pyrene	250.0	J	210.0	J	1000.0	J	490.0	J	530.0	J	8400.0		370.0	J	1800.0	J	1900.0	J
Dibenzo(a,h)anthracene	--		--		240.0	J	92.0	J	160.0	J	1100.0	J	--		410.0	J	--	
Benzo (g,h,i) perylene	210.0	J	210.0	J	930.0	J	680.0	J	390.0	J	6000.0		300.0	J	1200.0	J	900.0	J
Napthalene	--		--		--		--		150.0	J	930.0	J	120.0	J	460.0	J	--	
2-Methylnapthalene	--		--		--		--		110.0	J	670.0	J	380.0	J	250.0	J	--	
Acenaphthylene	--		--		--		--		97.0	J	--		180.0	J	910.0	J	570.0	J
Acenapthene	--		--		--		--		--		2000.0	J	--		400.0	J	--	
Dibenzofuran	--		--		--		--		120.0	J	1200.0	J	120.0	J	290.0	J	--	
Carbazole	48.0	J	--		--		110.0	J	65.0	J	3200.0	J	160.0	J	640.0	J	--	
Butylbenzylpthalate	--		45.0	J	--		--		--		1600.0	J	--		--		2000.0	J
bis(2-ethylhexyl)phthalate	760.0		690.0		82.0	J	110.0	J	160.0	J	9900.0		110.0	J	3500.0		17000.0	
4-Nitroaniline	--		--		--		--		--		--		--		350.0		--	
Di-n-Octyl phthalate	--		--		--		--		--		--		--		--		--	
Di-n-Butylphthalate	--		--		--		--		--		--		--		--		--	
	(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)	
PESTICIDES																		
beta-BHC	--		--		--		--		--		--		--		7.8	JP	--	
Heptachlor	--		--		--		--		--		--		--		--		--	
Heptachlor epoxide	--		--		--		--		--		--		1.6	P	--		--	
Endosulfan I	--		--		--		--		--		--		--		--		--	
4,4'-DDE	27.0	J	21.0	J	2.6	JP	--		7.6	J	27.0	JP	1.6	JP	48.0	JP	78.0	JP
Dieldren	--		--		--		--		--		--		--		--		--	
Endrin	--		--		--		--		--		--		9.0	P	--		--	
4,4'-DDD	3.5	P	--		--		--		--		--		35.0		--		130.0	P
Endosulfan II	--		--		4.1	P	--		3.4	JP	--		4.3	P	--		--	
Endosulfan sulfate	--		--		--		--		4.5	P	20.0	JP	--		12.0	JP	--	
4,4'-DDT	15.0	P	13.0	P	2.6	JP	27.0	P	3.0	JP	--		80.0		210.0	P	290.0	P
alpha-Chlordane	--		--		--		--		--		--		--		--		--	
gamma-Chlordane	--		--		--		--		--		--		--		--		--	
Endrin ketone	--		--		--		--		--		--		--		--		--	
Endrin aldehyde	--		--		--		--		--		--		--		--		--	
Methoxychlor	--		--		--		--		--		71.0	JP	--		--		--	
Aroclor-1254	--		87.0	P	--		--		--		2700.0	P	--		--		3800.0	PC
	(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)	

TABLE 3-3
ANALYTICAL RESULTS

SAMPLING POINT	X101 5-19-93 Soil Bkgnd.		X110 5-18-93		X111 5-18-93		X112 5-18-93		X113 5-18-93		X114 5-18-93		X115 5-18-93		X116 5-18-93		X117 5-19-93		X118 5-19-93	
SEMIVOLATILES																				
Fluorene	--		--		--		--		--		--		--		--		63.0	J	230.0	J
Phenanthrene	340.0	J	340.0	J	--		--		--		1200.0	J	360.0	J	56.0	J	850.0		2100.0	
Anthracene	58.0	J	49.0	J	--		--		--		--		48.0	J	--		150.0	J	390.0	
Fluoranthene	570.0		660.0		--		220.0	J	--		1200.0	J	440.0		120.0	J	1400.0		2800.0	
Pyrene	560.0		840.0		--		220.0	J	--		1100.0	J	440.0		310.0	J	1500.0		2900.0	
Benzo(a)anthracene	330.0	J	1100.0		--		--		--		530.0	J	220.0	J	72.0	J	850.0		2000.0	
Chrysene	380.0	J	880.0		--		--		--		710.0	J	250.0	J	93.0	J	780.0		1600.0	
Benzo(b)fluoranthene	630.0		11000.0		--		280.0	J	--		1300.0	J	400.0	J	520.0	J	1900.0	J	2800.0	J
Benzo(k)fluoranthene	130.0	J	740.0		--		--		--		--		98.0	J	130.0	J	350.0	J	840.0	J
Benzo(a)pyrene	380.0	J	1600.0		--		--		--		510.0	J	200.0	J	190.0	J	660.0	J	1600.0	J
Indeno(1,2,3-cd)pyrene	250.0	J	960.0		--		--		--		460.0	J	96.0	J	150.0	J	240.0	J	560.0	J
Dibenzo(a,h)anthracene	--		210.0	J	--		--		--		--		--		--		52.0	J	130.0	J
Benzo (g,h,i) perylene	210.0	J	440.0		--		240.0	J	--		--		59.0	J	100.0	J	55.0	J	420.0	
Napthalene	--		130.0	J	16000.0		--		--		4900.0		49.0	J	--		57.0	J	180.0	J
2-Methylnapthalene	--		73.0	J	2900.0	J	--		--		1500.0	J	79.0	J	--		81.0	J	140.0	J
Acenaphthylene	--		50.0	J	--		--		--		--		--		--		--		140.0	J
Acenapthene	--		--		--		--		--		--		--		76.0	J	56.0	J	190.0	J
Dibenzofuran	--		38.0	J	--		--		--		--		--		--		49.0	J	130.0	J
Carbazole	48.0	J	--		--		--		--		--		--		--		110.0	J	260.0	J
Butylbenzylpthalate	--		--		--		--		--		--		--		--		110.0	J	390.0	
bis(2-ethylhexyl)phthalate	760.0		82.0	J	3500.0	J	1500.0	J	--		800.0	J	150.0	J	220.0	J	880.0		2900.0	
4-Nitroaniline	--		--		--		--		--		1100.0	J	--		--		--		--	
Di-n-Octyl phthalate	--		--		--		--		--		--		--		--		--		94.0	J
Di-n-Butylphthalate	--		--		5800.0	J	--		--		4200.0		--		--		--		--	
	(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)	
PESTICIDES																				
beta-BHC	--		--		--		--		--		--		--		--		--		--	
Heptachlor	--		1.1	JP	18.0		--		--		--		--		--		--		--	
Heptachlor epoxide	--		--		--		--		--		1.2	JP	--		--		--		2.0	P
Endosulfan I	--		--		--		3.5		--		--		--		59.0	P	--		--	
4,4'-DDE	27.0	J	--		--		5.0	PJ	--		2.8	JP	0.82	JP	--		1400.0	JC	57.0	J
Dieldrin	--		--		--		--		--		--		--		--		--		1.6	JP
Endrin	--		--		--		--		--		6.9	P	2.1	JP	--		--		7.9	P
4,4'-DDD	3.5	P	--		--		--		--		--		--		35.0	JP	90.0	P	10.0	P
Endosulfan II	--		--		--		--		--		--		--		--		--		4.3	P
Endosulfan sulfate	--		--		--		--		--		--		--		--		--		10.0	P
4,4'-DDT	15.0	P	6.1	P	39.0	P	3.9	P	--		--		3.7	P	19.0	JP	1600.0	C	89.0	
alpha-Chlordane	--		--		--		--		--		--		--		--		--		11.0	P
gamma-Chlordane	--		--		--		--		--		--		--				--		4.7	P
Endrin ketone	--		--		--		--		--		--		--		--		--		--	
Endrin aldehyde			--		190.0	P			11.0		--		--		--		--		--	
Methoxychlor	--		--		--		--		--		--		--		--		--		--	
Aroclor-1254	--		140.0		--		620.0	P	--		--		--		15000.0	DPC	--		--	
	(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)		(ppb)	

4. Identification of Sources

4.1 Introduction

This section discuses the four hazardous waste sources which have been identified at the Valspar Paint Corporation site during the initial stages of the CERCLA Site Investigation.

Information concerning size, volume, waste type, and waste composition of each source is compiled during the initial Site Assessment and subsequent Site Inspection. These sources are contaminated soil, under-ground storage tanks, above-ground storage tanks, and a waste pile.

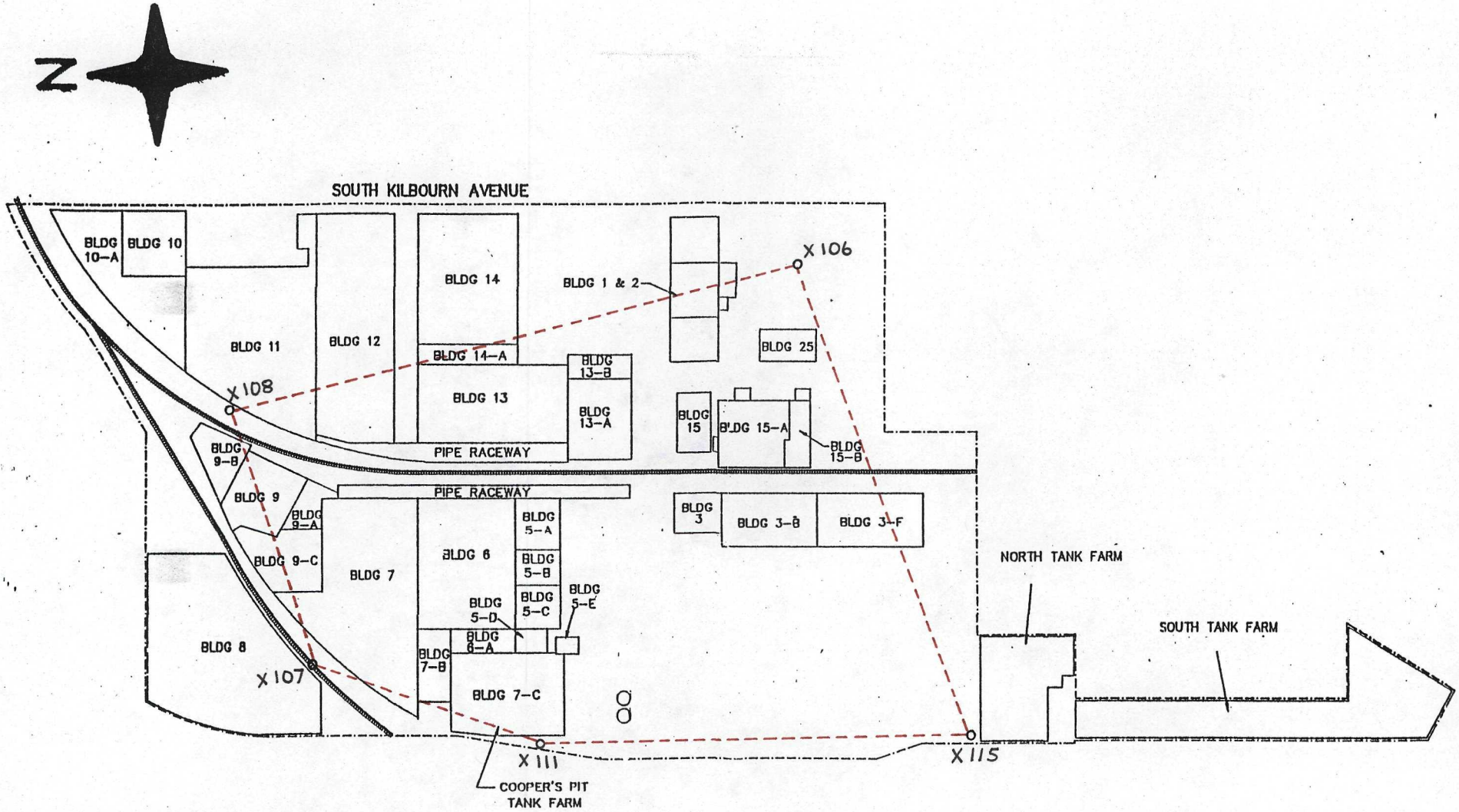
4.2 Contaminated Soil

All the samples taken on-site revealed elevated levels of various contaminants in the top two feet of the surface soil. Samples X115, X106, X107, X108, and X111 were all found to contain significant levels of semi-volatiles, volatiles, inorganics, and pesticides. These five samples were used to delineate the area of contamination which was determined to be 49,132 square feet (Figure 4-1).

Thirty three buildings on-site offer a partial windbreak which would inhibit the potential for contaminants to migrate to off-site locations. Lack of security and the poor condition of the perimeter fence make the facility moderately accessible to intruders.

FIGURE 4-1

DELINEATION OF CONTAMINATED SOIL



4.3 Waste Pile

The waste pile for the Valspar Paint site is considered to be the area which contained eleven buildings destroyed in a 1982 fire. The area which contained the buildings was filled with soil and other material from an indeterminate origin. Sample X103 was used to document elevated levels of contamination of semi-volatiles and inorganic constituents within sediments which migrated from the waste pile. The area of the waste pile is determined to be 12,609 square feet (Figure 3-2).

The surrounding building structures offer a partial windbreak to deter the potential off-site migration of contaminants. The facility is considered to be moderately accessible to individuals who choose to enter the site because of the lack of security and the poor condition of the surrounding fence.

4.4 Under-ground Tanks

The Valspar Paint site contains at total of at least 54 under-ground storage tanks. Samples X112-X116 were taken in and around the tank storage areas. Samples X114-X116 were all found to contain significant levels of semi-volatile, volatile, pesticide, and inorganic constituents. From information which can be found within Appendix K, approximately 474,735 gallons of storage space is available within the tanks. The contents of the buried tanks can also be found within Appendix K.

There is poor containment of the buried tanks and the concrete vaulted areas which surround them. This is documented by evidence of migration of tank contents outside of the tanks and the tank farms. The lack of security and poor quality of the boundary fence make the site moderately accessible to intruders. There are uncovered openings, approximately two feet in diameter, which lead directly to the under-ground tanks. Any intruders within the facility could have direct access to the tanks.

4.5 Above-ground Tanks

Over 275 above-ground tanks can be found on the Valspar Paint facility. No samples were taken directly from the tanks during the Screening Site Inspection although their contents have been previously determined and can be found within Appendix K. Some of the tanks may still contain materials which were used during paint and varnish manufacturing. According to information found within Appendix K, the above-ground tanks have a capacity of approximately 892,580 gallons.

The presence of the buildings provide a windbreak preventing potential contaminants from migrating to off-site locations. The facility is considered to be moderately accessible to the public due to the lack of a security system and a poor quality boundary fence.

5. Discussion of Migration Pathways

5.1 Introduction

The CERCLA Site Assessment Program identifies three migration pathways and one exposure pathway by which hazardous substances may pose a threat to human health and/or the environment. Consequently, sites are evaluated on their known or potential impact to these four pathways. The pathways evaluated are groundwater migration, surface water migration, soil exposure, and air migration.

This section presents and discusses information collected during the CERCLA Screening Site Inspection of Valspar Paints. This information, together with information documented in other sources, will be utilized in analyzing the site's impact on the four pathways and the various human and environmental targets within the established target distance limits.

Discussions of the pathways will include pathway descriptions, contaminant sources, and targets, such as human populations, fisheries, endangered species, wetlands, and other sensitive environments.

5.2 Groundwater

There were no groundwater samples taken during the site investigation. No groundwater monitor wells exist on or near the site nor are there any known public or private drinking water wells on or near the site.

Information for the Illinois State Water Survey (ISWS)

indicate that the cities of Cicero, Oak Park, Berwyn, Forest Park, and Stickney all receive drinking water from Chicago. The six cities listed are located within the 4-mile radius of the site. Chicago obtains municipal supplies of drinking water from Lake Michigan.

Regional geology has been obtained using information provided by the Illinois State Geological Survey (ISGS) and from a soil survey of Cook County. The surface of the Valspar Paint Corporation site and surrounding area is mostly covered by structures or pavement. Areas not covered by structures or pavements consist of Urban land-Milford soil. Urban soils are primarily level and composed of loam material (mixture of clay, sand, and silt). These types of soils are poorly drained and have most been physically altered (bricks, concrete, and other debris may be present) due to the amount of construction performed in this area. They have a seasonal high water table and medium to low compressibility when wet. Medium and fine sands are common at approximately two feet below the surface. The remainder of the glacial till material is composed of scattered amounts of sand, silt, clay, and rocks or gravel. The facility is located in a region of approximately 55 feet of glacial drift. Beneath the drift is about 300 to 350 feet of Silurian Age dolomites. Within this layer of dolomites, can be found a minor to moderate source of industrial groundwater. Beneath the Silurian Age dolomites are four layers of Ordovician Age: Maquoketa shale-dolomite, Galena-Platteville dolomite, Saint

Peter sandstone, and Oneota dolomite. The Saint Peter sandstone is the major water bearing layer of this region. Saint Peter sandstones can be found approximately 900 feet below ground surface in the region. During the 1992 CERCLA Preliminary Assessment, several companies within the 4-mile radius of Valspar were contacted about their drinking water supplies. None of the contacted companies use any groundwater wells for drinking purposes.

Sample points X112-X116 indicate elevated levels of semi-volatiles, pesticides, and volatiles consistently above background. These samples were taken at various depths in and outside of the under-ground tank farms. Sample X114 was found to contain elevated levels of semi-volatiles, inorganics, as well as volatiles. This sample was located approximately one foot outside the north tank farm. Sample X116 was found to contain high levels of PCB's. This sample location was within the "Cooper's Pit" area. These samples indicated hazardous constituents may have migrated from the above ground tanks as well as the vaulted tank farms. There were no identified drinking water supplies located within the 4-mile radius of the facility.

5.3 Surface Water

No surface water samples were collected during the May 18-19, 1993 Site Investigation of Valspar Paints.

Surface water drainage on-site does not have a distinct runoff pattern. The facility is generally flat, with the

exception of the waste pile located on the west-central portion of the property. The waste piled area slopes toward the central portion of the facility. There are several surface water drains on site. Surface water on site appears to drain toward storm water drains located around the facility. Information provided by the Chicago Water Reclamation District indicate surface water drainage from the facility probably enters the storm sewer system which services the surrounding areas. The sewer system connects with other tunnels where it eventually is treated at the Stickney Sewage Disposal Plant. The Stickney Sewage Disposal Plant is located approximately three and one-half miles south-west of the site. After the sewage is treated, it is released into the Chicago Sanitary and Ship Canal. According to information obtained from the Federal Emergency Management Agency, the facility is in an area of minimal flooding, outside the 500 year flood plain.

5.4 Soil Exposure

Soil samples taken during the Site Investigation were obtained from fourteen locations on-site and four taken off-site. Sample results indicate an area of contamination within the top two feet of soil or cover material that can be attributable to the site. Contributing factors to this contamination have been discussed previously.

Analysis of background sample point X101 and duplicate X102 indicated there were levels of certain contaminants

above the contract detection limit. All samples collected from the facility were then compared to the background levels. Sample points X103-X111 indicate elevated levels of certain semi-volatile, volatile, pesticide, and inorganic constituents. Sample X111, located west of building 7-C, contained significantly elevated levels of volatiles and semi-volatiles. Samples X106-X108 show elevated levels of semi-volatile, inorganic, and pesticide constituents which are significantly higher than the background sample. Sample point X103 documented soil contamination resulting from the drainage of surface sediments from the waste pile. Elevated levels of semi-volatiles resulted from the sample location X103.

As previously mentioned, the property on which Valspar Paint Corporation was located was donated to Goodwill Industries in 1984. Goodwill is the current owner of the property but does not use the facility due to its dilapidated condition. There are not full time permanent workers on-site. Goodwill occasionally inspects the area and looks for signs of vandalism and intruders. There are many signs of intrusion by people from the outside. Sections of the perimeter fence have been stolen or pulled away from the fence posts allowing for site entry. Once inside the facility, the buildings and their surroundings reveal many signs of human habitation. Clothing, beverage containers, reading material, and mattresses are among some of the items found within the site boundaries. During the site

reconnaissance two individuals were witnessed leaving the premises. A Goodwill employee, Mr. Jerry Scheiberle routinely removes trespassers from the property. People who inhabit the site have a high potential for contact of waste, contaminated soil, and inhalation of contaminated air. This contamination can be directly attributable to activities conducted on the premises relating to paint and varnish manufacturing and storage.

Within a 4-mile radius of the site, the population is estimated to be approximately 736,209 persons. Observations made during the CERCLA Screening Site Inspection suggests that as many as four individuals were visiting or living on this site. Analysis of samples taken from on-site indicate the presence of semi-volatiles, inorganic, volatile, and pesticide constituents. There are no schools or daycare facilities located on-site or within 200 feet of the contaminated area. Nearby population within one-mile of the Valspar Paint site has been estimated to be 38,609 and listed in Table 5-1. The population count was determined by referencing the 1990 U.S. Census and U.S.G.S. topographic maps for the area surrounding the facility.

Table 5-1
Nearby population within one-mile of the site

Distance	Population
On-site	4
0 - 1/4 mile	2,434
1/4 - 1/2 mile	7,296
1/2 - 1 mile	28,879

5.5 Air Route

During the May 18-19, 1993 Site Investigation, there were no formal air samples collected. An HNU photoionization detector with an 11.7 eV lamp was used to screen ambient air around the site and air in the breathing zone at each sample point. Background readings registered 1 -3 meter units. Several samples obtained HNU readings higher than background. Peeling paint, piping insulation, and dust have previously been analyzed at Valspar and have shown to contain elevated levels of certain contaminants. Some amounts of asbestos, flaking lead based paint, and dust containing lead have subsequently been removed.

The top two feet of soil within many areas of the facility contained elevated concentrations of certain contaminants. Within these areas volatile, semi-volatile, inorganic, and pesticide constituents were present. The 33 currently standing buildings offer a partial windbreak and would impede the potential off-site migration of certain contaminants.

Within a 4-mile radius of the site the population is estimated to be approximately 736,209 persons. Observations made during the CERCLA Screening Site Inspection suggests that as many as four individuals were visiting or living on this site. The approximate number of individuals potentially exposed to air-borne particulates are listed in Table 5-2. The potential for wind blown particulates to carry contaminants off-site is possible since these contaminants

have been found in the top six inches of soil on-site.

Table 5-2
Individuals potentially exposed to air-borne contaminants

Distance	Population
On-site	4
0 - 1/4 mile	2,430
1/4 - 1/2 mile	7,296
1/2 - 1 mile	28,879
1 - 2 miles	124,451
2 - 3 miles	218,798
3 - 4 miles	354,351

Calculations based on census figure below:

Chicago.....	12,378	per/sq mi
Cicero.....	11,627	per/sq mi
Oak Park....	11,415	per/sq mi
Berwyn.....	11,648	per/sq mi
Forest Park.	6,216	per/sq mi
Stickney....	2,984	per/sq mi

6. Bibliography

Bureau of the Census; 1990 U.S. Census of Population and Housing -Summary Population and Housing Characteristics: Illinois, August 1991.

Federal Emergency Management Agency; Flood Insurance Rate Map #1700740070B, June 1, 1981.

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APPENDIX A

MAPS

FIGURE 1

4-MILE RADIUS MAP

SDMS US EPA Region V

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FIGURE 1- 4-MILE RADIUS MAP

Document is available at the EPA Region 5 Records Center.

Specify Type of Document(s) / Comments:

FIGURE 2

SITE MAPS AND PLAT PLANS

FIGURE 2

Four (4) Site Maps and Plat Plans of the South Kilbourne Avenue site

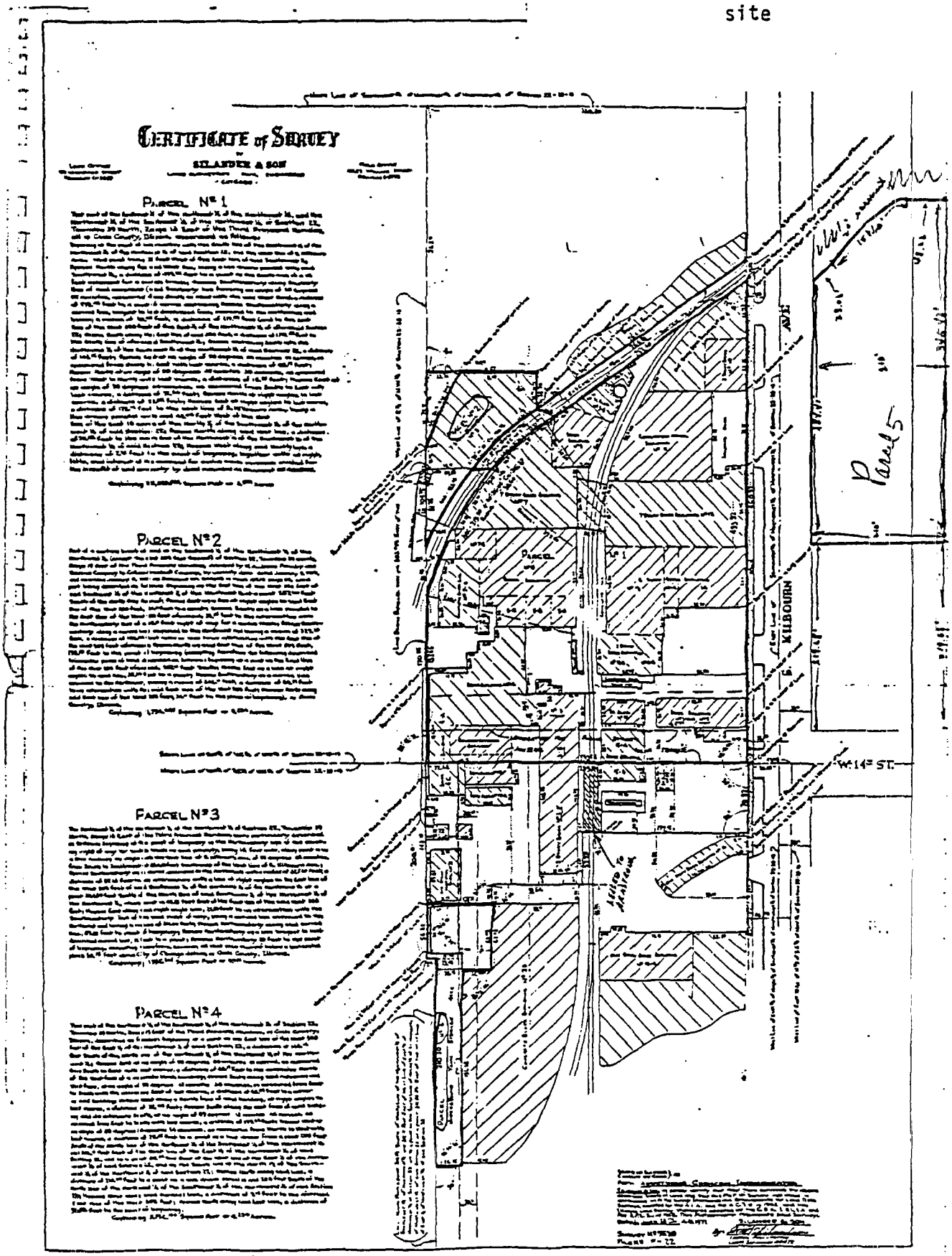


EXHIBIT A

Parcel 1

That part of the Southwest 1/4 of the Northeast 1/4 of the Northwest 1/4, and the Northwest 1/4 of the Southeast 1/4 of the Northwest 1/4 of Section 22, Township 39 North, Range 13 East of the Third Principal Meridian, all in Cook County, Illinois, described as follows: Beginning at the point of intersection with the South line of the Southwest 1/4 of the Northeast 1/4 of the Northwest 1/4 of said Section 22, and the West line of South Kilbourn Ave., said point being 33 feet West of the East line of said Southwest 1/4; thence North along the said West line, being a line drawn parallel with said Southwest 1/4, a distance of 493.92 feet to a point on the South line of a 16 foot easement for a switch track; thence Southwesterly along Southerly line of said easement (said Southerly line forming an angle of 55 degrees 02 minutes, measured from South to West with the said West line), a distance of 253.40 feet to a point of curve; continuing thence Southwesterly along a curved line, tangent to last described line, convexed to the Northwest, and having a radius of 311.60 feet, a distance of 219.90 feet (arc) to the East line of the West 303 feet of the East 1/2 of the Northwest 1/4 of aforesaid Section 22; thence South along the East line of said 303 feet, a distance of 170.55 feet to the South line of aforesaid Southwest 1/4; thence continuing South into the Northwest 1/4 of the Southeast 1/4 of the Northwest 1/4 of said Section 22, a distance of 143.12 feet; thence East at an angle of 90 degrees 00 minutes 01 second, as measured from South to East with last course, a distance of 68.71 feet; thence North at an angle of 90 degrees 47 minutes 30 seconds, as measured from West to North with last course, a distance of 18.25 feet; thence East at an angle of 90 degrees 44 minutes, as measured from South to east with last course, a distance of 91.54 feet; thence North at right angles to last course, a distance of 52.92 feet, thence East at right angles to last course, a distance of 172.12 feet to the West line of South Kilbourn Ave., being a line drawn parallel with and 43.08 feet West of the West line of the East 10 acres of the North 1/2 of the Southeast 1/4 of the Northwest 1/4 of said Section 22; thence North along said West line, a distance of 70.82 feet to the North line of the Northwest 1/4 of the Southeast 1/4 of the Northwest 1/4 of said Section 22; thence West along said North line, a distance of 2.15 feet to a point of beginning.

Parcel 1-A

Easement for the benefit of Parcel 1 (except that part of Parcel 1 lying South of the North line of West 14th Street) as created by agreement made by W. A. Jones Foundry & Machine Co., an Illinois corporation, with Armstrong Paint & Varnish Works, an Illinois corporation, dated August 14, 1919 and recorded October 2, 1919, as Document No. 6636309 for switchtrack purposes over, across and upon the following described premises: A 16 foot strip of land in the South West quarter of the Northeast quarter of the Northwest quarter of Section 22, Township 39 North, Range 13, East of the Third Principal Meridian, the South line of which 16 foot strip is coincident with the North line of Parcel 1 above described.

Parcel 2

Part of a certain tract of land in the South West quarter of the North East quarter of the North West quarter (except the West 303.0 feet thereof) of Section 22, Township 39 North, Range 13, East of the Third Principal Meridian, conveyed by W. A. Jones Foundry and Machine Company to the Cullen Freistedt Company, by warranty deed dated January 9, 1919, and recorded in the office of the Recorder of Cook County, Illinois, January 9, 1919 as document 6446431 in book 15219, page 50, said part being described as follows: beginning on the East line of the West 303.0 feet of said South West quarter of the North East quarter of Northwest quarter at a point 267.0 feet South of the North line thereof; thence East on a line at right angles to said East line 303.0 feet, 114.0 feet to a point; thence South on a line parallel to the East line of the West 303.0 feet aforesaid, 38.25 feet to the intersection with the North Westerly line of a 16.0 foot right of way for switch track; thence South Westerly along a curved line convex to the North West and having a radius of 329.33 feet, a distance of 183.36 feet more or less to an intersection with the East line of the West 303.0 feet aforesaid; thence North on said East line of the West 303.0 feet, 178.75 feet to point of beginning (excepting therefrom the following described triangular piece of land described as follows: beginning at a point on the East line of the West 303.0 feet aforesaid, 267.0 feet South; thence East on a line at right angles to said line 32.33 feet to a point; thence South Westerly on a curved line convex to the North West having a radius of 346.0 feet, a distance of 80.91 feet to an intersection with the said East line of the West 303.0 feet; thence North along said East line of the West 303.0 feet, 74.0 feet to the place of begininng, in Cook County, Illinois.

Parcel 3

The South West quarter of the North East quarter of the North West quarter of Section 22, Township 39 North, Range 13, East of the Third Principal Meridian, more particularly described as follows: beginning at a point of tangency in the North Westerly line of the existing right of way for switch track on said property, being 16 feet wide, which point is on a line making an angle with the West line of South Kilbourn Avenue of 55 degrees, 02 minutes from South to South West at 270.17 feet South West of the West line of South Kilbourn Avenue; thence South Westerly on a curve convex to the North West, with a radius of 329.33 feet, a distance of 86.89 feet to an intersection with a line at right angles to the East line of the West 303.0 feet of said South West quarter of the North East quarter of the North West quarter at a point 364.50 feet South of the North line of said South West quarter of the North East quarter of the Northwest quarter which point is 49.69 feet East of the East line of the said West 303.0 feet; thence East along said right angle line, 21.19 feet to an intersection with the South Easterly line of the said right of way, being a curved line, convexed to the North West and having a radius of 313.33 feet; thence North Easterly along said curved line, 69.54 feet to a point of tangency; thence North Easterly on line tangent to the last described curved line, 12 feet to a point; thence North Westerly 20 feet to the point of beginning, excepting therefrom, however, all that part thereof below a horizontal plane 50.75 feet above City of Chicago datum, in Cook County, Illinois.

Parcel 4

That part of the Northwest 1/4 of the Southeast 1/4 of the Northwest 1/4 of Section 22, Township 39 North, Range 13 East of the Third Principal Meridian, in Cook County, Illinois, described as follows: Beginning at a point on the East line of the West 303 feet of the East 1/2 of the Northwest 1/4 of said Section 22, a distance of 143.12 feet South of the North line of the Northwest 1/4 of the Southeast 1/4 of the Northwest 1/4; thence East at an angle of 90 degrees 00 minutes 01 second, as measured from South to East with last course, a distance of 68.71 feet to the extension North of the West face of a concrete block building; thence South along said extension and West face, at an angle of 90 degrees 47 minutes 30 seconds, as measured from East to South with the extension East of

last course, a distance of 68.08 feet to a corner in said building; thence West along a North face of said building, at right angles to last course, a distance of 32.60 feet; thence South along the West face of said building and its extension South, at an angle of 89 degrees 12 minutes 46 seconds, as measured from East to South with last course, a distance of 199.63 feet; thence West at an angle of 89 degrees 54 minutes 54 seconds, as measured from North to West with last course, a distance of 26.35 feet to a point on a line drawn from a point 200 feet South of the North line of the Northwest 1/4 of the Southeast 1/4 of the Northwest 1/4 and 312.11 feet East of the West line of the East 1/2 of the Northwest 1/4 of said Section 22, and to a point 311.55 feet East of the West line of the East 1/2 of the Northwest 1/4 of said Section 22, and on the South line of the North 1/2 of the Southeast 1/4 of the Northwest 1/4 of said Section 22; thence North along said line, a distance of 210.30 feet to a point on a line drawn parallel and 200 feet South of the North line of the Northwest 1/4 of the Southeast 1/4 of the Northwest 1/4 of said Section 22; thence West along said parallel line, a distance of 9.15 feet to the aforesaid East line of the West 303 feet; thence North along said East line, a distance of 56.88 feet to the point of beginning.

Parcel 5

That part of the East 1/2 of the Northeast 1/4 of the Northwest 1/4 of Section 22, Township 39 North, Range 13 East of the Third Principal Meridian, described as follows: Commencing at a point on the East line of S. Kilbourn Avenue, said point being 219.68 feet North of the Northeast corner of S. Kilbourn Avenue and West 14th Street, and running thence North along said East line of Kilbourn Avenue, said line being 33 feet East of and parallel with the West line of said East 1/2, for a distance of 284.41 feet to a point; thence Northeasterly on a line which forms an angle of 55 degrees 00 minutes 30 seconds with the East line of Kilbourn Avenue for a distance of 23.03 feet to a point of curve; thence Northeasterly on a curved line convex to the Northwest tangent to said last described line and having a radius of 260.00 feet, a distance of 158.60 feet to a point of tangency; thence East in a straight line tangent to said last described curved line for a distance of 42.22 feet to the point of intersection of a line which is 210.00 feet East of and parallel with the East line of Kilbourn Avenue; thence South on said last described parallel line a distance of 345.43 feet to a point, said point also being 219.68 feet North of the North line of W. 14th Street; thence West on a line parallel with the North line of W. 14th Street for a distance of 210.00 feet to the place of beginning.

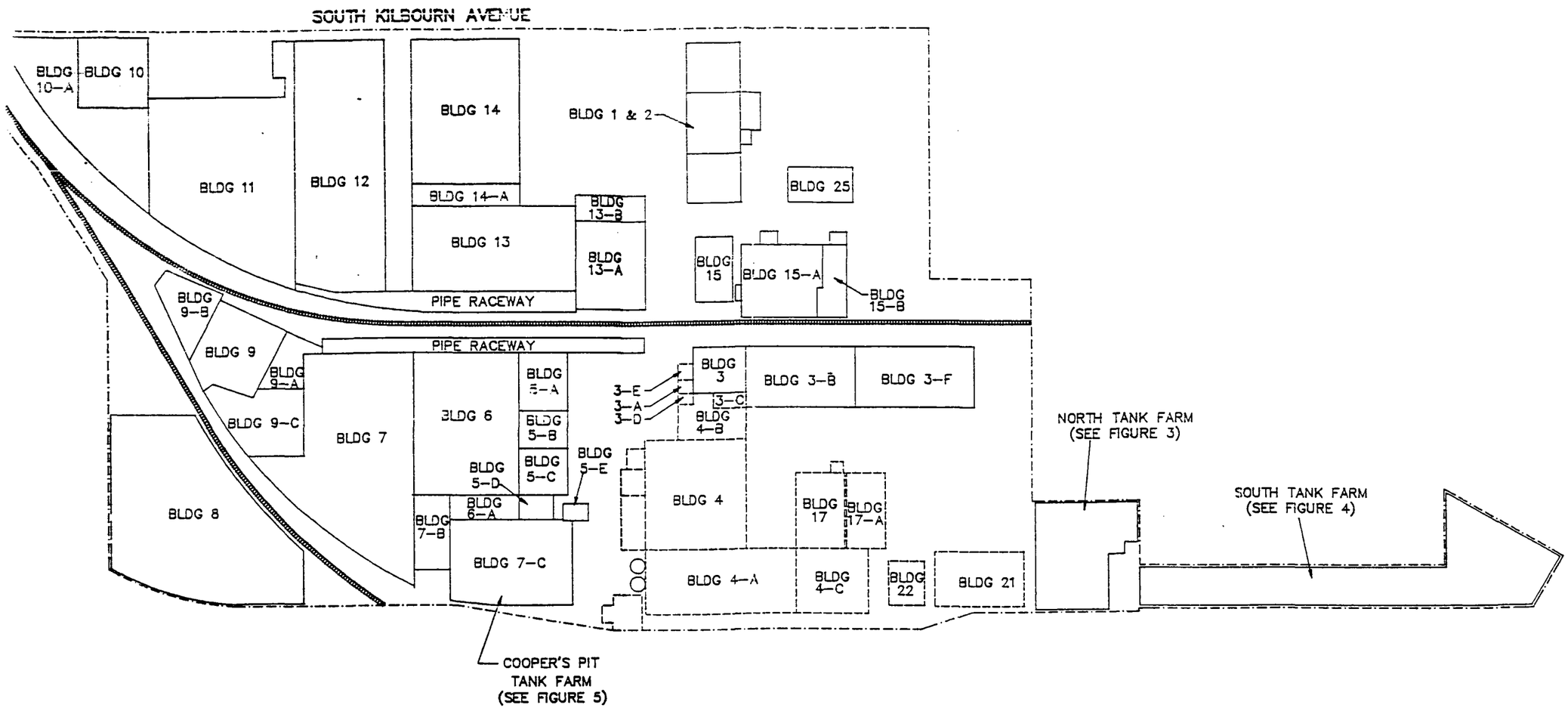
Parcel 5-A

Easement for the benefit of Parcel 5 as created by deed from W. A. Jones Foundry & Machine Company, to Armstrong Paint & Varnish Works, a corporation of Illinois, dated December 8, 1952 and recorded December 10, 1952, as document 15503618 for switchtrack purposes over, across and upon the following described premises: A 20 foot strip of land in the East half of the Northeast quarter of the Northwest quarter of Section 22, Township 39 North, Range 13, East of the Third Principal Meridian, the South line of which 20 foot strip is coincident with the North line of Parcel 5 above described.

All in Cook County, Illinois.

FIGURE 3

1944 PLANT MAP OF ARMSTRONG PAINTS



LEGEND

- EXISTING BUILDING
- DEMOLISHED BUILDING
- ESTIMATED PROPERTY LINE
- RAILROAD SPUR
- ABOVEGROUND, OUTDOOR STORAGE TANK

SOURCE: ARMSTRONG PAINT & VARNISH WORKS, 1944.

NOT TO SCALE

1330 SOUTH KILBOURN AVENUE
CHICAGO, ILLINOIS

FIGURE 2

FACILITY LAYOUT

PRC ENVIRONMENTAL MANAGEMENT, INC.

FIGURE 3

ARMPNT.DWG - 08/01 - CFR

FIGURE 4

1966 PLANT MAP OF ARMSTRONG PAINTS

SDMS US EPA Region V

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FIGURE 4 - 1966 MAP OF ARMSTRONG PAINTS

Document is available at the EPA Region 5 Records Center.

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APPENDIX B

TARGET COMPOUND LIST

TARGET COMPOUND LIST

Volatile Target Compounds

Chloromethane
Bromomethane
Vinyl Chloride
Chloroethane
Methylene Chloride
Acetone
Carbon Disulfide
1,1-Dichloroethene
1,1-Dichloroethane
1,2-Dichloroethene (total)
Chloroform
1,2-Dichloroethane
2-Butanone
1,1,1-Trichloroethane
Carbon Tetrachloride
Vinyl Acetate
Bromodichloromethane
1,2-Dichloropropane
cis-1,3-Dichloropropene
Trichloroethene
Dibromochloromethane
1,1,2-Trichloroethane
Benzene
trans-1,3-Dichloropropene
Bromoform
4-Methyl-2-pentanone
2-Hexanone
Tetrachloroethene
1,1,2,2-Tetrachloroethane
Toluene
Chlorobenzene
Ethylbenzene
Styrene
Xylenes (total)

Base/Neutral Target Compounds

Hexachloroethane
bis(2-Chloroethyl)Ether
Benzyl Alcohol
bis(2-Chloroisopropyl)Ether
N-Nitroso-Di-n-Propylamine
Nitrobenzene
Hexachlorobutadiene
2-Methylnaphthalene
1,2,4-Trichlorobenzene
Isophorone
Naphthalene
4-Chloroaniline
bis(2-chloroethoxy)Methane
Hexachlorocyclopentadiene
2-Chloronaphthalene
2-Nitroaniline
Acenaphthylene
3-Nitroaniline
Acenaphthene
Dibenzofuran
Dimethyl Phthalate
2,6-Dinitrotoluene
Fluorene
4-Nitroaniline
4-Chlorophenyl-phenylether
2,4-Dinitrotoluene
Diethylphthalate
N-Nitrosodiphenylamine
Hexachlorobenzene
Phenanthrene
4-Bromophenyl-phenylether
Anthracene
Di-n-Butylphthalate
Fluoranthene
Pyrene
Butylbenzylphthalate
bis(2-Ethylhexyl)Phthalate
Chrysene
Benzo(a)Anthracene
3,3'-Dichlorobenzidene
Di-n-Octyl Phthalate
Benzo(b)Fluoranthene
Benzo(k)Fluoranthene
Benzo(a)Pyrene
Indeno(1,2,3-cd)Pyrene
Dibenz(a,h)Anthracene
Benzo(g,h,i)Perylene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene

Acid Target Compounds

Benzoic Acid
Phenol
2-Chlorophenol
2-Nitrophenol
2-Methylphenol
2,4-Dimethylphenol
4-Methylphenol
2,4-Dichlorophenol
2,4,6-Trichlorophenol
2,4,5-Trichlorophenol
4-Chloro-3-methylphenol
2,4-Dinitrophenol
2-Methyl-4,6-dinitrophenol
Pentachlorophenol
4-Nitrophenol

Pesticide/PCB Target Compounds

alpha-BHC
beta-BHC
delta-BHC
gamma-BHC (Lindane)
Heptachlor
Aldrin
Heptachlor epoxide
Endosulfan I
4,4'-DDE
Dieldrin
Endrin
4,4'-DDD
Endosulfan II
4,4'-DDT
Endrin Ketone
Endosulfan Sulfate
Methoxychlor
alpha-Chlorodane
gamma-Chlorodane
Toxaphene
Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260

Inorganic Target Compounds

Aluminum
Antimony
Arsenic
Barium
Beryllium
Cadmium
Calcium
Chromium
Cobalt
Copper
Iron
Lead
Magnesium
Manganese
Mercury
Nickel
Potassium
Selenium
Silver
Sodium
Thallium
Vanadium
Zinc
Cyanide
Sulfide
Sulfate

APPENDIX C

IEPA SAMPLE PHOTOGRAPHS

DATE: May 18, 1993

TIME: 11:15 a.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 1

LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: N

COMMENTS: Photo taken of sample point X113, located within the South Tank Area

DATE: May 18, 1993

TIME: 11:15 a.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 2

LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: S

COMMENTS: Photo taken of sample point X113, located within the South Tank Area

DATE: May 18, 1993

TIME: 12:20 p.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 3

LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: N

COMMENTS: Photo taken of sample point X114, located outside the walls of the North Tank Area Vault

DATE: May 18, 1993

TIME: 12:20 p.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 4

LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: S

COMMENTS: Photo taken of sample point X114, located outside the walls of the North Tank Area Vault

DATE: May 18, 1993

TIME: 12:30 p.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 5

LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: N

COMMENTS: Photo taken of sample point X112, located within the North Tank Area

DATE: May 18, 1993

TIME: 12:30 p.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 6

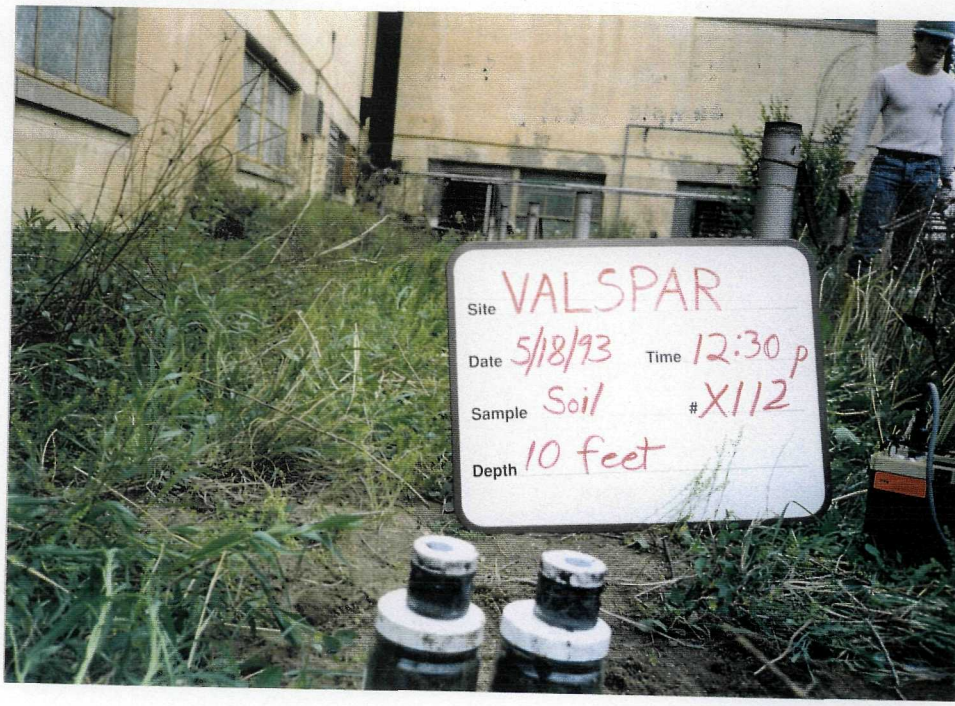
LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: S

COMMENTS: Photo taken of sample point X112, located within the North Tank Area



DATE: May 18, 1993

TIME: 12:45 p.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 7

LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: S

COMMENTS: Photo taken of sample point X115, located outside the northwest corner of the North Tank Vault Area

DATE: May 18, 1993

TIME: 12:45 p.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 8

LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: N

COMMENTS: Photo taken of sample point X115, located outside the northwest corner of the North Tank Vault Area

DATE: May 18, 1993

TIME: 1:20 p.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 9

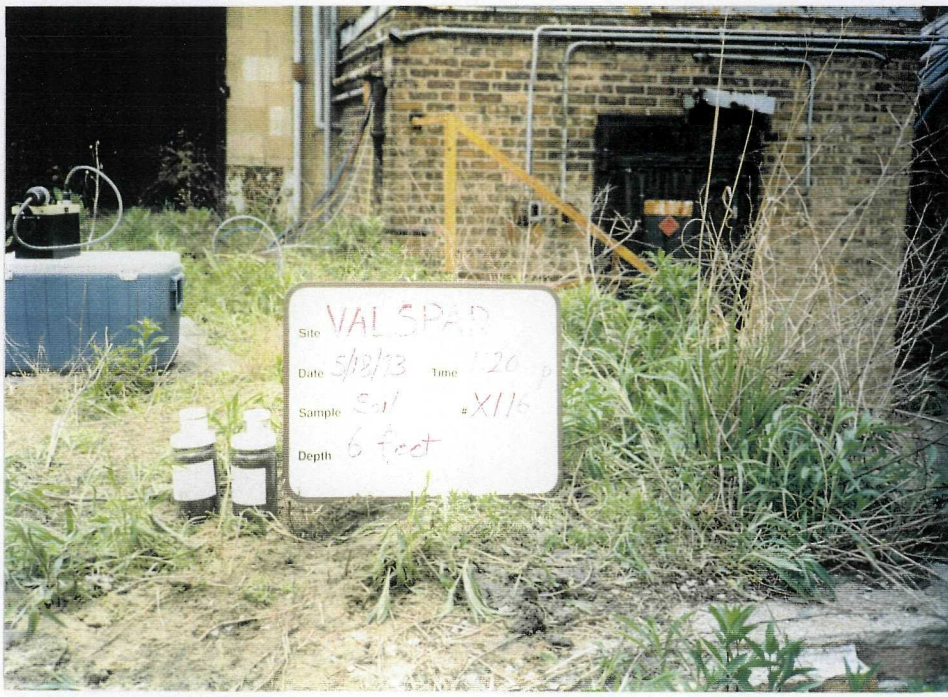
LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: N

COMMENTS: Photo taken of sample point X116, located within the concrete vault in the "Cooper's Pit" area



DATE: May 18, 1993

TIME: 1:20 p.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 10

LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: S

COMMENTS: Photo taken of sample point X116, located within the concrete vault in the "Cooper's Pit" area

DATE: May 18, 1993

TIME: 2:00 p.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 11

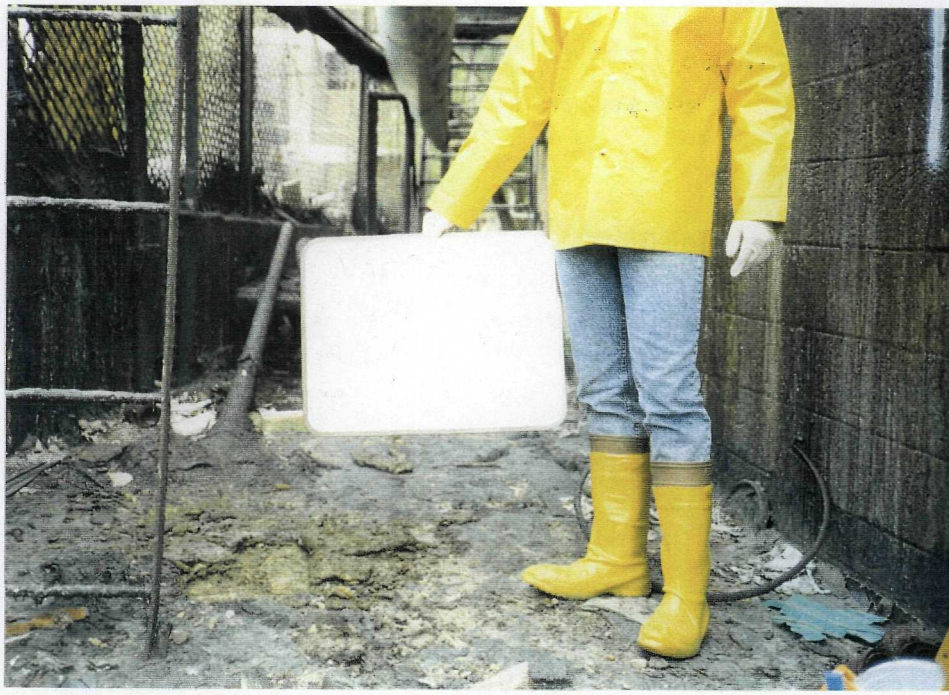
LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: N

COMMENTS: Photo taken of sample point X111, located between Building 7C and the west property boundary



DATE: May 18, 1993

TIME: 2:00 p.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 12

LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: S

COMMENTS: Photo taken of sample point X111, located between Building 7C and the west property boundary

DATE: May 18, 1993

TIME: 2:30 p.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 13

LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: E

COMMENTS: Photo taken of sample point X110, located northeast of 2 storage tanks south of Building 7C

DATE: May 18, 1993

TIME: 2:30 p.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 14

LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: W

COMMENTS: Photo taken of sample point X110, located northeast of 2 storage tanks south of Building 7C

DATE: May 18, 1993

TIME: 2:50 p.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 15

LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: S

COMMENTS: Photo taken of sample point X109, located east of the railroad tracks and west of Building 13

DATE: May 18, 1993

TIME: 2:50 p.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 16

LOCATION: Valspar Paints

L0316005445 Cook county

ILD081040107

PICTURE TAKEN TOWARD: N

COMMENTS: Photo taken of sample point X109, located west of the railroad tracks and east of Building 13

DATE: May 18, 1993

TIME: 3:00 p.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 17

LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: S

COMMENTS: Photo taken of sample point X108, located east of the railroad tracks and west of Building 11

DATE: May 18, 1993

TIME: 3:00 p.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 18

LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: N

COMMENTS: Photo taken of sample point X108, located east of the railroad tracks and west of Building 11

DATE: May 18, 1993

TIME: 3:15 p.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 19

LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: W

COMMENTS: Photo taken of sample point X107, located south of Building 8 and north of the railroad tracks

DATE: May 18, 1993

TIME: 3:15 p.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 20

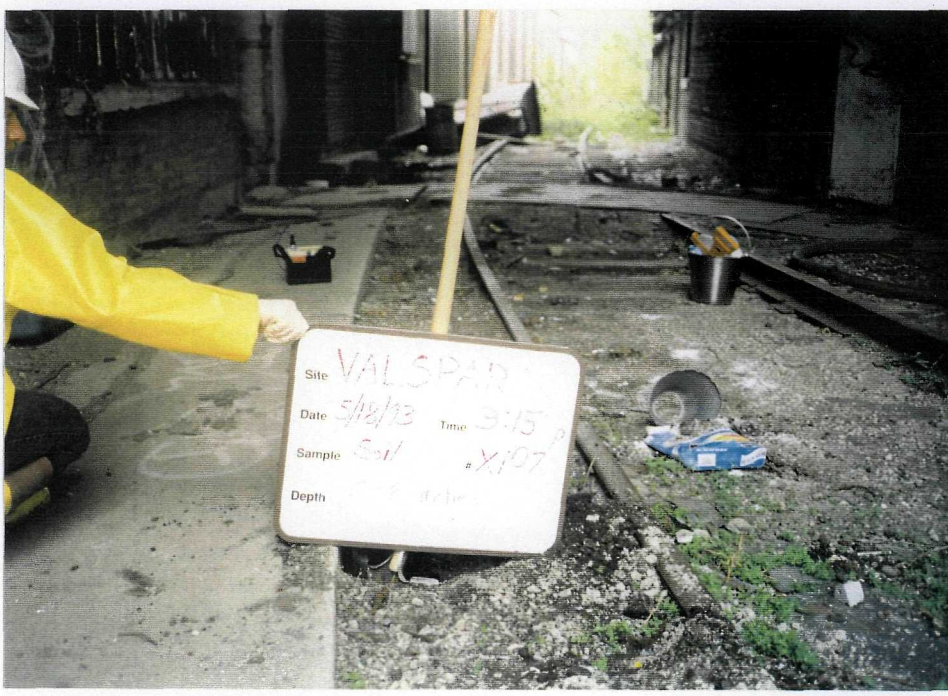
LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: E

COMMENTS: Photo taken of sample point X107, located south of Building 8 and north of the railroad tracks



DATE: May 18, 1993

TIME: 3:45 p.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 21

LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: N

COMMENTS: Photo taken of sample point X106, located near drain found on concrete pad west of Building 25

DATE: May 18, 1993

TIME: 3:45 p.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 22

LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: W

COMMENTS: Photo taken of sample point X106, located near drain found on concrete pad west of Building 25

DATE: May 18, 1993

TIME: 4:05 p.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 23

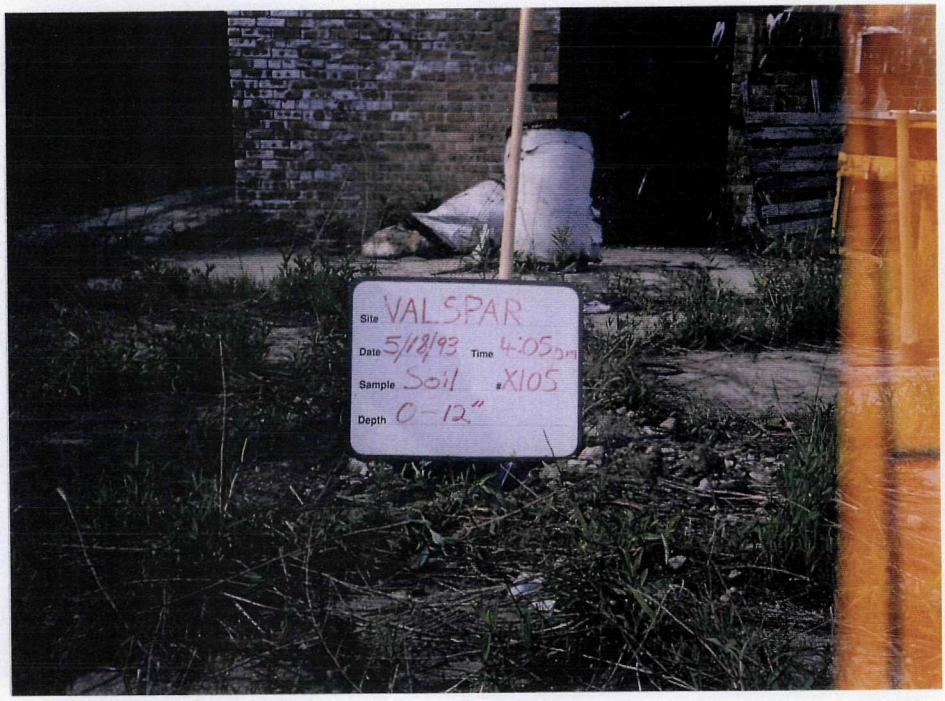
LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: N

COMMENTS: Photo taken of sample point X105, located in a crack in the concrete pad south of Building 25



DATE: May 18, 1993

TIME: 4:05 p.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 24

LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: S

COMMENTS: photo taken of sample point X105, located in a crack in the concrete pad south of Building 25

DATE: May 18, 1993

TIME: 4:15 p.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 25

LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: N

COMMENTS: Photo taken of sample point X104, located east of Building 3B

DATE: May 18, 1993

TIME: 4:15 p.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 26

LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: W

COMMENTS: Photo taken of sample point X104, located east of Building 3B

DATE: May 19, 1993

TIME: 8:50 a.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 27

LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: E

COMMENTS: Photo taken of sample point X103, located west of Building 3B

DATE: May 19, 1993

TIME: 8:50 a.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 28

LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: N

COMMENTS: Photo taken of sample point X103, located west of Building 3B

DATE: May 19, 1993

TIME: 10:20 a.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 29

LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: W

COMMENTS: Photo taken of residential sample point X118, located at 1425 South Kilbourn Avenue

DATE: May 19, 1993

TIME: 10:20 a.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 30

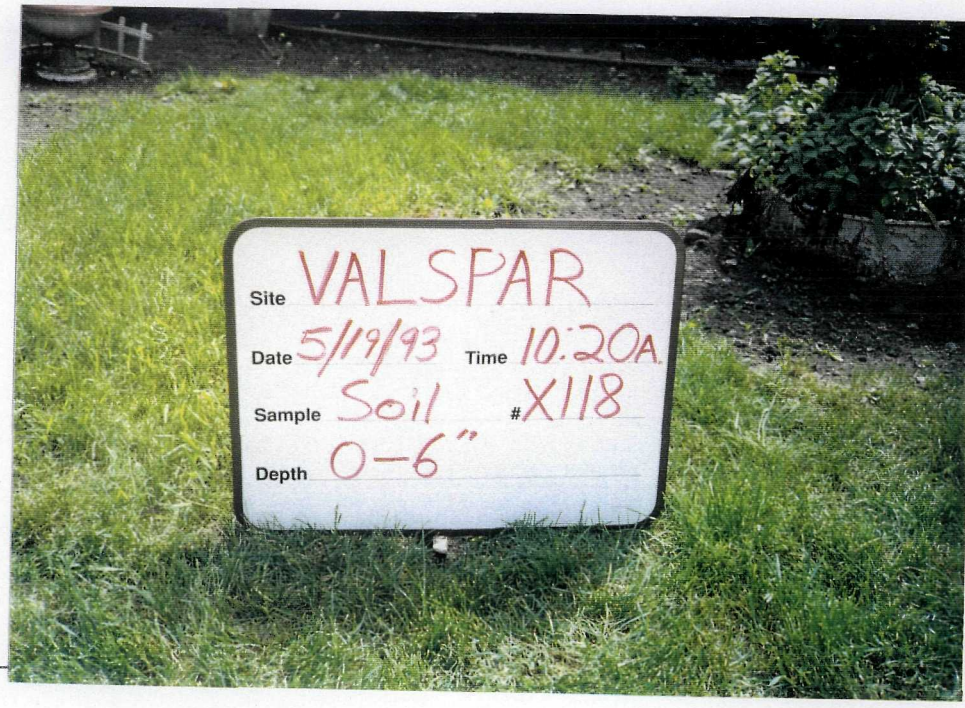
LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: E

COMMENTS: Photo taken of residential sample point X118, located at 1425 South Kilbourn Avenue



DATE: May 19, 1993

TIME: 10:40 a.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 31

LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: S

COMMENTS: Photo taken of sample point X117, located at the corner of 14th Street and Kilbourn Avenue

DATE: May 19, 1993

TIME: 10:40 a.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 32

LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: N

COMMENTS: Photo taken of sample point X117, located at the corner of 14th Street and Kilbourn Avenue

DATE: May 19, 1993

TIME: 11:00 a.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 33

LOCATION: Valspar Paints

L0316005445 Cook County

ILD081040107

PICTURE TAKEN TOWARD: N

COMMENTS: Photo taken of background and duplicate samples X101 and X102, located in Franklin Park

DATE: May 19, 1993

TIME: 11:00 a.m.

PHOTOGRAPH TAKEN BY:

Bruce Everetts

PHOTOGRAPH NUMBER: 34

LOCATION: Valspar Paints

L0316005445 Cook County

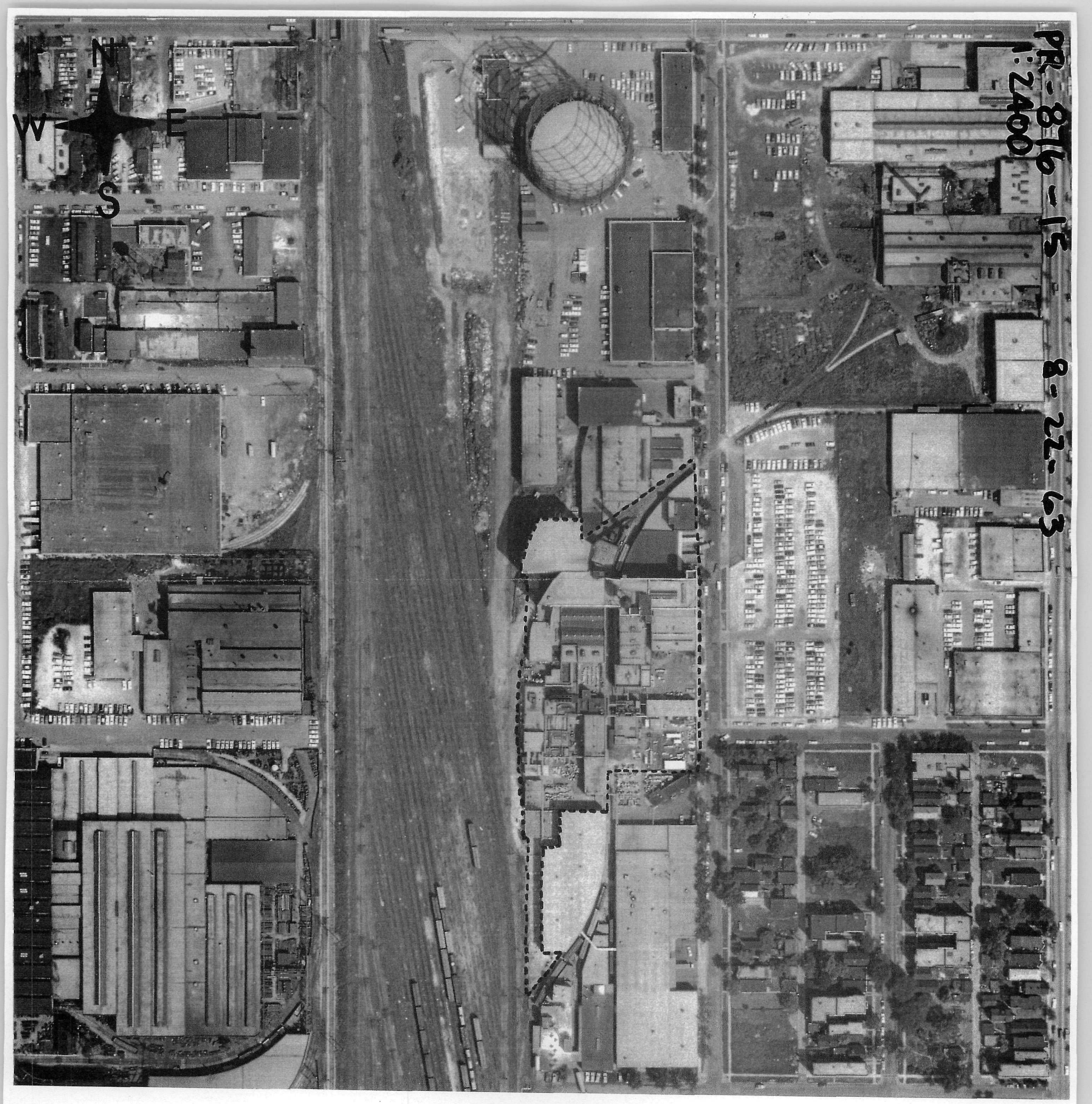
ILD081040107

PICTURE TAKEN TOWARD: W

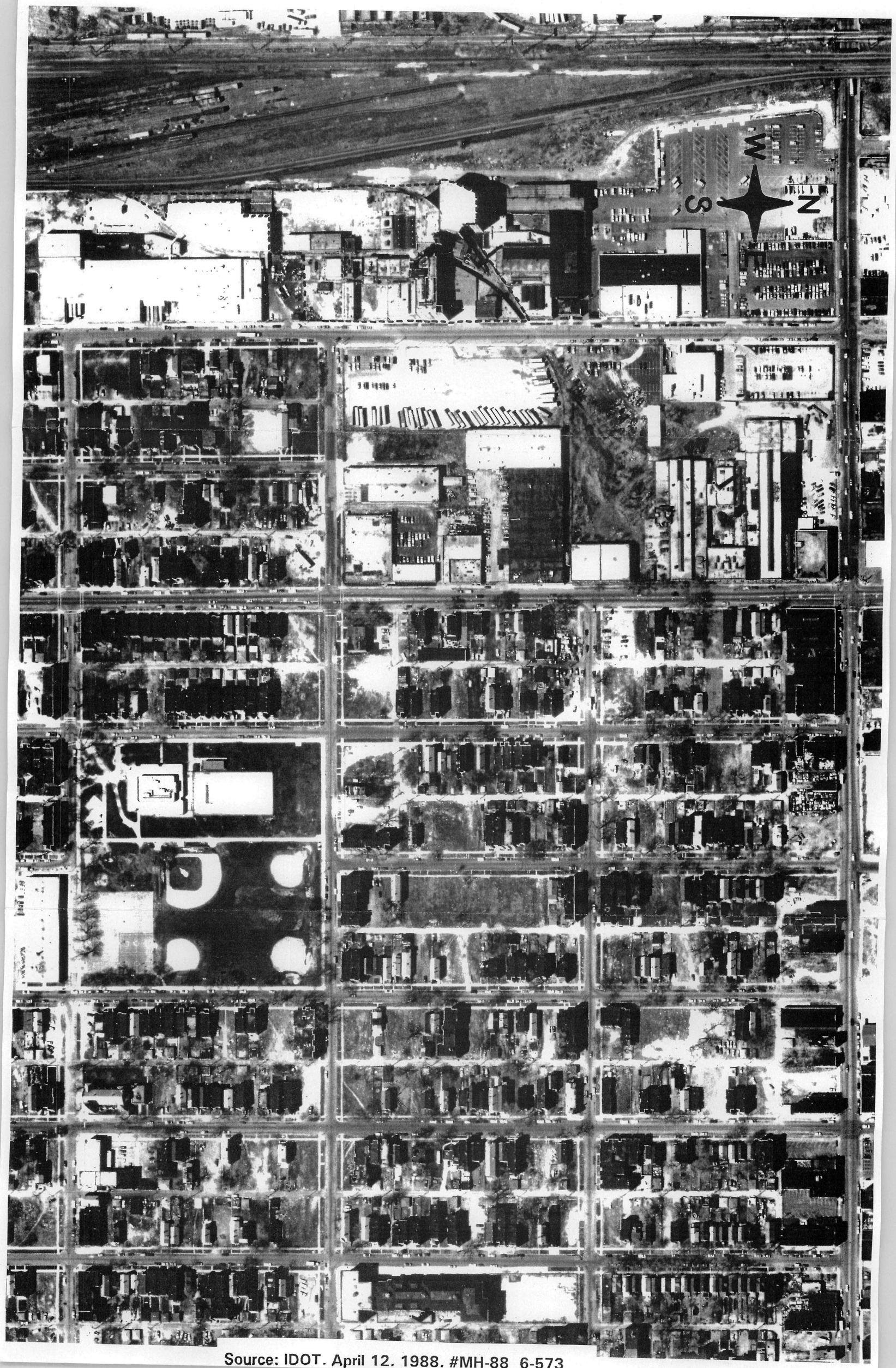
COMMENTS: Photo taken of background and duplicate samples X101 and X102, located in Franklin Park

APPENDIX D

AERIAL PHOTOGRAPHS



Source: IDOT, August 22, 1963, #PR-876-15



Source: IDOT. April 12. 1988. #MH-88 6-573

APPENDIX E

U.S. EPA FORM 2070-13

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	08/040107

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
VALSPAR PAINTS	1330 SOUTH KILBOURN AVENUE

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
CHICAGO	IL	60623	COOK	031	

09 COORDINATES LATITUDE	LONGITUDE	10 TYPE OF OWNERSHIP (Check one)
41° 51' 50.0"	087° 44' 10.0"	☐ A. PRIVATE ☐ B. FEDERAL ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL ■ F. OTHER Not For Profit ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION (MONTH DAY YEAR)	02 SITE STATUS	03 YEARS OF OPERATION (BEGINNING YEAR / ENDING YEAR)
5 / 18 / 93	☐ ACTIVE ☒ INACTIVE	1935 / 1984 ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)

■ A. EPA ☐ B. EPA CONTRACTOR _____ (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR _____ (Name of firm)
☐ E. STATE ☐ F. STATE CONTRACTOR _____ (Name of firm) ☐ G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
BRUCE EVERETTS	E.P.S.	I.E.P.A	(217) 524-1663
09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
GREG SPENCER	E.P.S.	I.E.P.A	(217) 524-1662
SCOTT DAVIS	E.P.S.	I.E.P.A.	(217) 524-1659
KEN CORKILL	E.P.S.	I.E.P.A.	(217) 524-1664
PETE SORENSEN	E.P.S.	I.E.P.A.	(217) 524-1657
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
JERRY SCHIEBERLE	Facilities Maintenance Manager	601 W. Polk St. Chicago, IL 60607	(312) 939-6435
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
■ PERMISSION ☐ WARRANT	10:00 a.m.	PARTLY SUNNY, TEMP. 65°F

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
JERRY SCHIEBERLE	GOODWILL INDUSTRIES, INC.	(312) 939-6435

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE (MONTH DAY YEAR)
BRUCE EVERETTS	IEPA		217-524-1663	5 / 18 / 93

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	081040107

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- ■ A. SOLID
- ■ B. POWDER, FINES
- ■ C. SLUDGE
- ☐ D. OTHER _____ (Specify)
- ☐ E. SLURRY
- ■ F. LIQUID
- ☐ G. GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

TONS _____

CUBIC YARDS _____

NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

- ■ A. TOXIC
- ■ B. CORROSIVE
- ☐ C. RADIOACTIVE
- ■ D. PERSISTENT
- ☐ E. SOLUBLE
- ☐ F. INFECTIOUS
- ■ G. FLAMMABLE
- ☐ H. IGNITABLE
- ☐ I. HIGHLY VOLATILE
- ☐ J. EXPLOSIVE
- ☐ K. REACTIVE
- ☐ L. INCOMPATIBLE
- ☐ M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS	Types of Wastes and Materials		
PSD	PESTICIDES	Used Can be found within Appendix K		
OCC	OTHER ORGANIC CHEMICALS	of Screening Site Inspection Report		
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
	SEE TABLE 3-2				
	WITHIN VOLUME 1				
	of SCREENING				
	SITE INSPECTION				
	REPORT				

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

SCREENING SITE INSPETION, IEPA, 1993
RERC, 1992
KINSEY CONSULTING, 1985 and 1987
IEPA, 1988
IT CORPORATION, 1992

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	08/040107

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

NONE DOCUMENTED OR OBSERVED

01 ☐ B. SURFACE WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

NONE DOCUMENTED OR OBSERVED

01 ☐ C. CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

NONE DOCUMENTED OR OBSERVED

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

NONE DOCUMENTED OR OBSERVED

01 ■ E. DIRECT CONTACT — 02 ☐ OBSERVED (DATE: _____) — ■ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 4 — 04 NARRATIVE DESCRIPTION

On-site residences may come into direct contact of contaminated soil or other hazards on-site.

01 ■ F. CONTAMINATION OF SOIL — 02 ■ OBSERVED (DATE: 5/18/93) — ☐ POTENTIAL — ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: 1.1 acres (Acres) — 04 NARRATIVE DESCRIPTION

Area of soil contamination was determined by the delineation of samples taken on-site within the top two feet.

01 ☐ G. DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

NONE DOCUMENTED OR OBSERVED

01 ☐ H. WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

NONE DOCUMENTED OR OBSERVED

01 ■ I. POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) — ■ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 4 — 04 NARRATIVE DESCRIPTION

On-site residences have many potential hazards throughout the site in the buildings and within the facility grounds.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	081040107

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

NONE DOCUMENTED OR OBSERVED

01 ■ K. DAMAGE TO FAUNA — 02 ■ OBSERVED (DATE: 5/18/93) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include number of species)

During Site Reconnaissance a dead racoon and a dead dog were observed.

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

NONE DOCUMENTED OR OBSERVED

01 ■ M. UNSTABLE CONTAINMENT OF WASTES (Spills/Runoff/Standing liquids, Leaking drums) — 02 ☐ OBSERVED (DATE: 5/18/93) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 4 — 04 NARRATIVE DESCRIPTION

Area west of building 7-C, beneath overhead pipe raceways, contained a thick yellow/brown substance on the surface. HNU reading 300 units.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

NONE DOCUMENTED OR OBSERVED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

NONE DOCUMENTED OR OBSERVED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

NONE DOCUMENTED OR OBSERVED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

Many hazards were present on-site such as: open holes leading to underground tanks, open elevator shafts, possible lead and asbestos contamination.

III. TOTAL POPULATION POTENTIALLY AFFECTED: 4

IV. COMMENTS

RESIDENT POPULATION WAS DETERMINED TO BE 4.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Screening Site Inspection Report, IEPA, 1993

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	081040107

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A. NPDES				
☐ B. UIC				
☐ C. AIR				
■ D. RCRA	SEE SCREENING SITE INSPECTION REPORT			
☐ E. RCRA INTERIM STATUS				
☐ F. SPCC PLAN				
☐ G. STATE (Specify)				
☐ H. LOCAL (Specify)				
☐ I. OTHER (Specify)				
☐ J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
☐ A. SURFACE IMPOUNDMENT		
■ B. PILES	12,609	ft^2
☐ C. DRUMS, ABOVE GROUND		
■ D. TANK, ABOVE GROUND	892,580	gal
■ E. TANK, BELOW GROUND	474,735	gal
☐ F. LANDFILL		
☐ G. LANDFARM		
☐ H. OPEN DUMP		
■ I. OTHER Cont. Soil (Specify)	49,132	ft^2

04 TREATMENT (Check all that apply)

- ☐ A. INCENERATION
- ☐ B. UNDERGROUND INJECTION
- ☐ C. CHEMICAL/PHYSICAL
- ☐ D. BIOLOGICAL
- ☐ E. WASTE OIL PROCESSING
- ☐ F. SOLVENT RECOVERY
- ☐ G. OTHER RECYCLING/RECOVERY
- ☐ H. OTHER _____ (Specify)

05 OTHER

- ■ A. BUILDINGS ON SITE

06 AREA OF SITE

4.5 acres (Acres)

07 COMMENTS

SEE SCREENING SITE INSPECTION REPORT

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

☐ A. ADEQUATE, SECURE ■ B. MODERATE ☐ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

UST are contained by concrete vaults which appear to be leaking to surrounding soil.

The buildings on-site act as a partial windbreak for wind blown contaminants to migrate to off-site locations

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ■ YES ☐ NO

02 COMMENTS

SITE is easily accessible as there is very little security and there are many signs of intrusion.

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

Screening Site Inspection Report, IEPA, 1993

Preliminary Assessment Report, IEPA, 1992

PRC, 1992

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	081040107

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)

	SURFACE	WELL
COMMUNITY	A. ■	B. ☐
NON-COMMUNITY	C. ☐	D. ☐

02 STATUS

ENDANGERED	AFFECTED	MONITORED
A. ☐	B. ☐	C. ☐
D. ☐	E. ☐	F. ☐

03 DISTANCE TO SITE

A. > 5 mi (mi)
B. _____ (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☐ A. ONLY SOURCE FOR DRINKING ☐ B. DRINKING (Other sources available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available) ■ C. COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available) ☐ D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER None

03 DISTANCE TO NEAREST DRINKING WATER WELL > 4 mi (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
350 ft (ft)		N.A. (ft)	(gpd)	☐ YES ☐ NO

09 DESCRIPTION OF WELLS (Including storage, depth, and location relative to population and buildings)

Groundwater wells within 4 miles are used for industrial purposes only. DRINKING water for area is obtained from Lake Michigan.

10 RECHARGE AREA

☐ YES ☐ NO COMMENTS

11 DISCHARGE AREA

☐ YES ☐ NO COMMENTS

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☐ A. RESERVOIR, RECREATION DRINKING WATER SOURCE ☐ B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES ☐ C. COMMERCIAL, INDUSTRIAL ☐ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME	AFFECTED	DISTANCE TO SITE
N.A.	☐	(mi)
	☐	(mi)
	☐	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A. 38,609 (NO. OF PERSONS)	B. 124,451 (NO. OF PERSONS)	C. 218,798 (NO. OF PERSONS)

02 DISTANCE TO NEAREST POPULATION

0 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE

> 33 buildings

04 DISTANCE TO NEAREST OFF-SITE BUILDING

< 1/4 mi (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

On-site	4
0-1/4 mile	2430
1/4-1/2 mile	7296
1/2-1 mile	28,879
1-2 miles	124,451
2-3 miles	218,798
3-4 miles	354,351

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	08/040107

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A. $10^{-6} - 10^{-8}$ cm/sec ■ B. $10^{-4} - 10^{-6}$ cm/sec ☐ C. $10^{-4} - 10^{-3}$ cm/sec ☐ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE (Less than 10^{-6} cm/sec) ■ B. RELATIVELY IMPERMEABLE ($10^{-4} - 10^{-6}$ cm/sec) ☐ C. RELATIVELY PERMEABLE ($10^{-2} - 10^{-4}$ cm/sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH
85 ft (ft)	0 - 11 ft (ft)	6.0

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE: SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
33.57 in (in)	2.5 in (in)	0.1 %	East	%

09 FLOOD POTENTIAL

SITE IS IN 500 YEAR FLOODPLAIN

10 ☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE: A. > 1 mi (mi)

OTHER: B. > 1 mi (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

> 1 mi (mi)

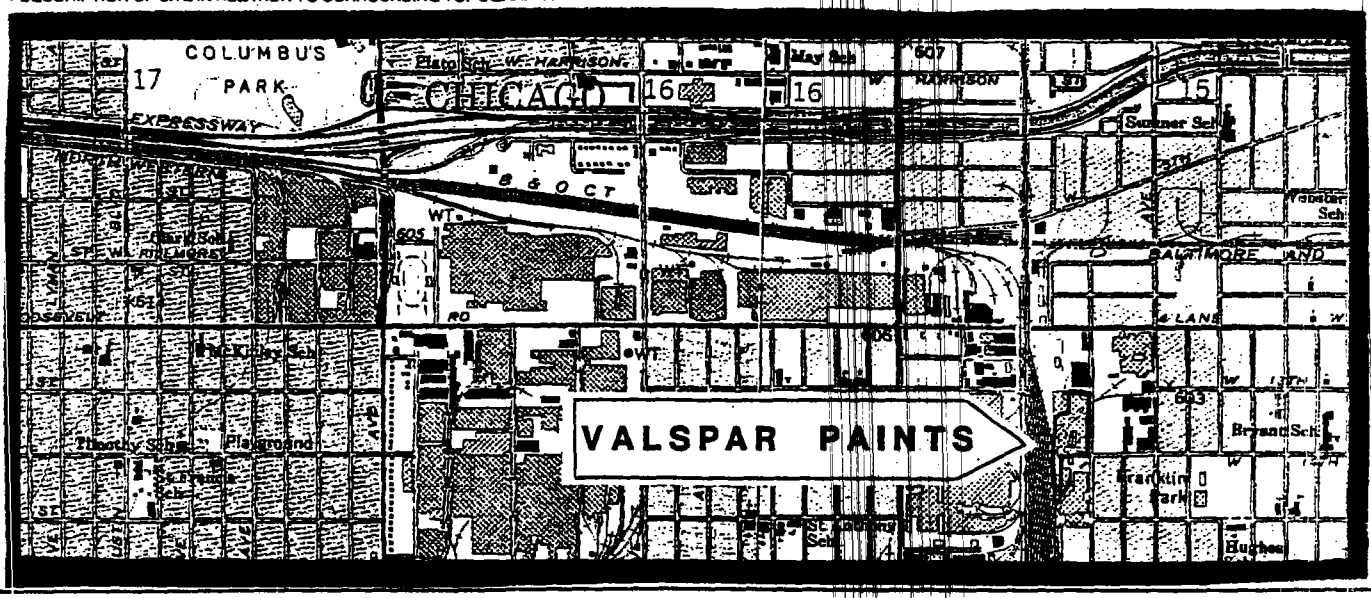
ENDANGERED SPECIES: _____

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS: PRIME AG LAND	AGRICULTURAL LANDS: AG LAND
A. < 1/4 mi (mi)	B. < 1/4 mi (mi)	C. _____ (mi)	D. _____ (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY



VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Screening Site Inspection Report, IEPA, 1993
Illinois State Geological Survey, Well Logs
One-year 24 hour Rainfall Chart
Climatic Atlas of the United States

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	081040107

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL	18	WESTON GULF COAST	8/18/93
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS

IV. PHOTOGRAPHS AND MAPS

01 TYPE ■ GROUND ■ AERIAL

02 IN CUSTODY OF BRUCE EVERETTS IEPA
(Name of organization or individual)

03 MAPS ■ YES ☐ NO

04 LOCATION OF MAPS SSI Report

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Illinois Department of Conservation (Aerial Photo's)
U.S.G.S. Topographical Maps
Screening Site Inspection Report, IEPA, 1993

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	08/040/07

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
Goodwill Industries, Inc.		601 West Polk Street		Chicago	IL	60607

PARENT COMPANY (If applicable)

08 NAME	09 D+B NUMBER	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE	12 CITY	13 STATE	14 ZIP CODE

III. PREVIOUS OWNER(S) (List most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
Mr. Howard Conant		445 N. Wells Street		Chicago	IL	60610
Anaheim Union Water Co.		1330 South Kilbourn Ave.		Chicago	IL	60623
Armstrong Paint & Varnish		1330 South Kilbourn Ave.		Chicago	IL	60623

IV. REALTY OWNER(S) (If applicable; list most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

PRC Report, 1992
Preliminary Assessment, IEPA, 1992
Screening Site Inspection Report, IEPA, 1993

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	081040107

II. CURRENT OPERATOR (Provide if different from owner)			OPERATOR'S PARENT COMPANY (If applicable)		
01 NAME		02 D+B NUMBER	10 NAME		11 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER				

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)			PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)		
01 NAME Valspar Paint Corporation		02 D+B NUMBER	10 NAME		11 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.) 1101 Third Street South		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE
05 CITY Minneapolis	06 STATE MN	07 ZIP CODE 55415	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION 1976-1984	09 NAME OF OWNER DURING THIS PERIOD Mr. Howard Conant				
01 NAME Anaheim Union Water Co.		02 D+B NUMBER	10 NAME		11 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.) 1330 South Kilbourn Ave.		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE
05 CITY Chicago	06 STATE IL	07 ZIP CODE 60623	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION approx 2 yrs.	09 NAME OF OWNER DURING THIS PERIOD				
01 NAME Armstrong Paint & Varnish		02 D+B NUMBER	10 NAME		11 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.) 1330 South Kilbourn Ave.		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE
05 CITY Chicago	06 STATE IL	07 ZIP CODE 60623	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION 1935-1971	09 NAME OF OWNER DURING THIS PERIOD				

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

PRC Report, 1992
Preliminary Assessment Report, IEPA, 1992
Screening Site Inspection Report, IEPA, 1993

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	081040107

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
VALSPAR PAINT Corporation	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
1330 South Kilbourn Ave.	

05 CITY	06 STATE	07 ZIP CODE
Chicago	IL	60623

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Screening Site Inspection Report, IEPA, 1993
IEPA, Divison of Land files

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	09/040/07

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ D. SPILLED MATERIAL REMOVED — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ E. CONTAMINATED SOIL REMOVED — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ F. WASTE REPACKAGED — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ G. WASTE DISPOSED ELSEWHERE — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ H. ON SITE BURIAL — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ I. IN SITU CHEMICAL TREATMENT — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ J. IN SITU BIOLOGICAL TREATMENT — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ K. IN SITU PHYSICAL TREATMENT — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ L. ENCAPSULATION — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ M. EMERGENCY WASTE TREATMENT — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ N. CUTOFF WALLS — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ P. CUTOFF TRENCHES/SUMP — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ Q. SUBSURFACE CUTOFF WALL — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	081040107

II PAST RESPONSE ACTIVITIES *(Continued)*

01 ☐ R. BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ S. CAPPING/COVERING — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ T. BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ U. GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ V. BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ W. GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ X. FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Y. LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Z. AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ■ 1. ACCESS TO SITE RESTRICTED — 02 DATE 5-18-93 — 03 AGENCY _____
04 DESCRIPTION Goodwill attempts to repair perimeter fence.

01 ☐ 2. POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ■ 3. OTHER REMEDIAL ACTIVITIES — 02 DATE 1985 - present — 03 AGENCY _____
04 DESCRIPTION

Valspar hired Kinsey Consulting, Inc. to remove dust and peeled paint, cleaned and pressure treated 58 above-ground and 23 below-ground tanks, cleared many product releated pipes, and removed unused asbestos.

Other remedial activities have been proposed and others are currently being negociated.

III. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

Screening Site Inspection Report, IEPA, 1993
IEPA, Division of Land files

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	081040107

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☒ YES ☐ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

Certain areas have previously undergone RCRA Closure. A consent agreement between Valspar, Goodwill, Howard Conant, and IEPA has been signed. It outlines a cleanup to be conducted according to both RCRA and CERCLA guidelines and the details are still being negociated.

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Screening Site Inspection Report, IEPA, 1993
IEPA, Division of Land files

EPA FORM 2070-13 (7-81)

APPENDIX F

IEPA RECORD OF DECISION
1985

IEPA RECORD OF DECISION

IMMEDIATE REMOVAL ACTION REQUIRED

Site: Chicago/Valspar
LPC Site Number: 0316005445 - Cook Co. Superfund / Enforcement

SITUATION

The Valspar site located on the west side of Chicago at 1330 S. Kilbourn Avenue occupying six parcels of land, is situated in a residential and heavy industrial area. The nearest residence is 1/2 block to the west and 2 blocks to the north. The physical appearance of the facility is a brick exterior with a wood and masonry interior. Construction began in the early 1900s with additions made up to 1950 and the facility ranges in height from one story to seven stories at the tallest point.

The facility is surrounded by fencing which is reported to be in various states of disrepair. Broken windows were observed, indicative of vandalism and the potential for trespassing is very high.

No activity has taken place at the facility since October, 1984, when the Valspar Corporate Headquarters Office decided to cease operations and subsequently filed a closure plan with the IEPA on November 26, 1984. The plan was approved by IEPA on February 26, 1985.

The overall site condition poses a serious fire and explosion threat to the immediate area.

An IEPA inspection of the facility on April 16, 1985 to determine closure status revealed several tanks, drums and pipelines containing liquid product that was not included in the approved closure plan. Subsequent inspections were made on June 14, 1985 and July 1 and 2, 1985. An estimated 297 tanks were found to contain liquid in depths ranging from 2 inches to 9 feet. Overall, several thousand gallons of volatile liquids remain on site. In addition, 3 rooms filled to capacity with paper bails were discovered during the inspections, adding to the potential fire and explosion hazard.

SAMPLING

Sampling of tanks, drums and pipeline was performed on July 2, 1985, with a total of 28 samples taken.

Twelve of the samples were found to have a flashpoint of less than 80° F., which categorizes those liquids as Class I, flammable, by the National Fire Protection Association.

OWNERSHIP

Valspar donated the facility to Goodwill Industries of Chicago and Cook County on October 31, 1984 when operations ceased.

DESCRIPTION OF PROPOSED REMOVAL ACTION

The removal action will consist of removing all combustible materials prior to handling the liquid.

A cleanup contractor will be procured for the entire single phase removal of solids and liquids.

Immediate removal action is necessary to prevent an imminent safety and health hazard from fire and explosion given the proximity of residences, the age and condition of the facility, and the accessibility to trespassers.

ESTIMATED COST OF PROPOSED REMOVAL ACTION

Cleanup and Removal $500,000

DECLARATION

I have reviewed the facts in this matter, and in my opinion, immediate removal actions by IEPA are justified pursuant to 35 Ill. Adm. Code 750.430. Furthermore, consistent with the State Contingency Plan, I have determined that immediate removal action at the Chicago/Valspar Site will mitigate the immediate and significant risk of harm to human health and the environment. I have also determined that the action has been approved for State-financed remedial action.

July 15, 1985
Date

Richard J. Carlson, Director
Illinois Environmental Protection Agency

RJC:MED:tk:S/41

APPENDIX G

SAMPLE RESULTS FROM KINSEY 1985

pace laboratories, inc.
PROFESSIONAL ANALYTICAL CHEMISTRY & ENGINEERING

STEVE A. VANDERBOOM
President
WILLIAM A. O'CONNOR
Vice-President

1710 Douglas Drive North ☐ Minneapolis, MN 55422 ☐ Phone (612) 544-5543

September 19, 1985

Mr. Jim Kinsey
Waste Reduction, Inc.
5367 Eagle Street
White Bear Lake, MN 55110

Dear Mr. Kinsey:

Enclosed are reports of laboratory analysis for sample(s) received August 20, 1985.

If you have any questions concerning this report, please feel free to contact me at any time.

Sincerely,

William A. O'Connor, C.P.C.
Laboratory Director

WAO/mrk

pace laboratories, inc.
PROFESSIONAL ANALYTICAL CHEMISTRY & ENGINEERING

STEVE A. VANDERBOOM
President
WILLIAM A. O'CONNOR
Vice-President

1710 Douglas Drive North ☐ Minneapolis, MN 55422 ☐ Phone (612) 544-5543

September 19, 1985

Waste Reduction, Inc.
5367 Eagle Street
White Bear Lake, MN 55110

Attn: Mr. Jim Kinsey

REPORT OF LABORATORY ANALYSIS

Date Samples(s) Collected:
Date Samples(s) Received: August 20, 1985

Valspar Project

Parameter	1	2	3	5	6
pH	-	-	-	10	-
Flash Point °F	138	-	101	-	-
Total Solids, %	-	59	68	-	39
Ash, %	-	22	32	-	1.2
Silver, mg/kg	-	<0.92	<0.99	-	0.74
Barium, mg/kg	-	1400	2100	-	2200
Cadmium, mg/kg	-	18	7.2	-	<0.20
Chromium, mg/kg	-	880	650	-	5.5
Lead, mg/kg	-	6000	9200	-	4.0
Arsenic, mg/kg	-	3.0	4.6	-	0.16
Selenium, mg/kg	-	<0.08	0.08	-	0.11
Mercury, mg/kg	-	1.3	0.39	-	<0.07

Parameter	7	8	9	10	11
pH	9	7	11	4	7
Total Solids, %	-	-	-	-	0.11
Ash, %	-	-	-	-	0.04
Alkalinity, %	-	-	-	-	0.04
Silver, mg/kg	<0.75	<0.98	-	-	<0.80
Barium, mg/kg	7.2	<4.7	-	-	<4.2
Cadmium, mg/kg	0.18	<0.24	-	-	0.29
Chromium, mg/kg	<0.90	<1.2	-	-	<1.0
Lead, mg/kg	<3.6	<4.7	-	-	<4.2
Arsenic, mg/kg	<0.09	<0.09	-	-	<0.09
Selenium, mg/kg	<0.06	<0.09	-	-	<0.09
Mercury, mg/kg	<0.07	<0.05	-	-	<0.08

PACE Laboratories, Inc.

Parameter	12	13	14	16	17
pH	10	10	10	8	-
Total Solids, %	-	-	2.6	80	-
Ash, %	-	-	1.1	79	-
Silver, mg/kg	-	-	<0.72	<0.78	<0.97
Barium, mg/kg	-	-	64	<4.3	<4.8
Cadmium, mg/kg	-	-	<0.24	0.39	<0.24
Chromium, mg/kg	-	-	4.8	<1.1	<1.2
Lead, mg/kg	-	-	29	4.3	<4.8
Arsenic, mg/kg	-	-	0.26	16	<0.10
Selenium, mg/kg	-	-	<0.09	<0.09	<0.09
Mercury, mg/kg	-	-	0.10	0.06	<0.07

Parameter	18	19	20	21	22
Silver, mg/kg	-	<0.81	-	-	-
Barium, mg/kg	-	280	-	-	-
Cadmium, mg/kg	<0.21	<0.24	<0.18	<0.21	<0.14
Chromium, mg/kg	<1.0	1.9	<0.93	<1.1	<0.71
Lead, mg/kg	110	62	26	86	8.5
Arsenic, mg/kg	-	1.8	-	-	-
Selenium, mg/kg	-	<0.07	-	-	-
Mercury, mg/kg	-	<0.05	-	-	-

PACE Laboratories, Inc.

Parameter	23	25	26	27	28
pH	6	-	9	-	-
Total Solids, %	0.01	-	41	-	-
Silver, mg/kg	<0.62	<1.0	-	<0.87	-
Barium, mg/kg	<4.5	310	-	<3.7	-
Cadmium, mg/kg	0.25	3.9	-	<0.18	<0.18
Chromium, mg/kg	<1.1	62	-	<0.92	<0.92
Lead, mg/kg	<4.5	3500	-	<3.7	15
Arsenic, mg/kg	<0.05	6.4	-	<0.09	-
Selenium, mg/kg	<0.08	<0.09	-	<0.10	-
Mercury, mg/kg	<0.07	0.62	-	<0.07	-

		Composite	
Parameter	29	5-9	12-13
Silver, mg/kg	-	<0.87	<0.97
Barium, mg/kg	-	280	<3.8
Cadmium, mg/kg	0.27	0.60	0.25
Chromium, mg/kg	<1.2	16	<0.95
Lead, mg/kg	15	69	<3.8
Arsenic, mg/kg	-	1.8	<0.10
Selenium, mg/kg	-	<0.09	<0.09
Mercury, mg/kg	-	0.25	<0.08

Parameter	4	15	24	Composite A
pH	-	-	7	-
Flash Point °F	75	-	-	-
Total Solids, %	54	-	5.2	7.0
Ash, %	14	-	-	0.16
Silver, mg/kg	<0.83	-	<0.82	<0.82
Barium, mg/kg	1200	-	24	12
Cadmium, mg/kg	1.2	-	0.30	<0.24
Chromium, mg/kg	810	-	<0.80	1.2
Lead, mg/kg	4500	-	6.4	39
Arsenic, mg/kg	2.9	-	<0.08	<0.08
Selenium, mg/kg	<0.09	-	<0.09	<0.07
Mercury, mg/kg	0.15	-	<0.07	<0.07
PCB, mg/kg	-	<1	-	-
1,1,2,2-Tetrachloroethylene, %	<0.1	-	<0.1	<0.1
Methyl Isobutyl Ketone, %	0.2	-	<0.1	0.5
Toluene, %	0.8	-	<0.1	<0.1
Ethyl Benzene, %	5.0	-	<0.1	0.7
Cumene, %	1.2	-	<0.1	2.0
Xylenes, %	13	-	0.1	2.0
1,1,1-Trichloroethane, %	<0.1	-	<0.1	0.1
Chlorobenzene, %	<0.1	-	<0.1	1.5
Unknowns, %	5	-	<0.1	1
Methanol, %	<0.1	-	<0.1	<0.1
Ethanol, %	<0.1	-	<0.1	<0.1
Methylene Chloride, %	<0.1	-	<0.1	<0.1
Acetone, %	<0.1	-	<0.1	<0.1
Iso-Propyl Alcohol, %	<0.1	-	<0.1	<0.1
N-Propanol, %	<0.1	-	<0.1	<0.1
1,1-Dichloroethylene, %(1)	<0.1	-	<0.1	<0.1
1,1-Dichloroethane %(1)	<0.1	-	<0.1	<0.1
Tetrahydrofuran %	<0.1	-	<0.1	<0.1
Trans-1,2-Dichloroethylene, %	<0.1	-	<0.1	<0.1
Chloroform, %	<0.1	-	<0.1	<0.1
1,1,2-Trichlorotrifluoroethane, %	<0.1	-	<0.1	<0.1
Methyl Ethyl Ketone, %(2)	0.8	-	<0.1	<0.1
1,2-Dichloroethane, %(2)	<0.1	-	<0.1	<0.1
Carbon Tetrachloride, %	<0.1	-	<0.1	<0.1
1,2-Dichloropropane, %	<0.1	-	<0.1	<0.1
Trichloroethylene, %	<0.1	-	<0.1	<0.1

PACE Laboratories, Inc.

Parameter	4	15	Composite A	25
1,1,2-Trichloroethane, %	<0.1	-	<0.1	<0.1
Trans-1,3-Dichloropropene, %(3)	<0.1	-	<0.1	<0.1
Benzene, %(3)	<0.1	-	<0.1	<0.1
Hexane, %	<0.1	-	<0.1	<0.1
1,1,1,2-Tetrachloroethane, %	<0.1	-	<0.1	<0.1
Tetrachloroethylene, %	<0.1	-	<0.1	<0.1
Butyl Acetate, %	<0.1	-	<0.1	<0.1
M-Xylene, %	<0.1	-	<0.1	<0.1
O & P Xylene, %	<0.1	-	<0.1	<0.1
1,3-Dichlorobenzene, %	<0.1	-	<0.1	<0.1
1,2-Dichlorobenzene, %	<0.1	-	<0.1	<0.1

MDL - Method Detection Level
BMDL - Below Method Detection Level - peak present too small to quantify
ND - None Detected - at a concentration of approximately 1/2 to 1/5 the method detection level
< - means "less than"

1 - These compounds co-elute
2 - These compounds co-elute
3 - These compounds co-elute

The data contained in this report was obtained using EPA approved methodologies. All analyses were performed by me or under my direct supervision.

William A. O'Connor, C.P.C.
Laboratory Director

WAO/mk

pace laboratories, inc.
PROFESSIONAL ANALYTICAL CHEMISTRY & ENGINEERING

STEVE A. VANDERBOOM
President
WILLIAM A. O'CONNOR
Vice-President

1710 Douglas Drive North ☐ Minneapolis, MN 55422 ☐ Phone (612) 544-5543

September 23, 1985

Waste Reduction, Inc.
5367 Eagle Street
White Bear Lake, MN 55110

ATTN: Mr. James Kinsey

REPORT OF LABORATORY ANALYSIS

Date Sample(s) Collected: September 10, 1985
Date Sample(s) Received: September 16, 1985

Bulk Asbestos Examination

Sample Number	Description	Asbestos Type	Percent by Weight
X0134	Pipe Insulation (Unibestos)	Amosite	90-95%

Analysis was done by a subcontracting laboratory accredited by the American Industrial Hygiene Association according to the EPA Polarized Light Microscopy Method for bulk examinations. The method detection limit is 1% asbestos.

These results indicate that the insulation material would be regulated by both EPA and OSHA as asbestos. Specific recommendations cannot be made without more information on the sample source and potential employee exposure to the material.

Please call if you have any questions regarding this report.

Sincerely,

William A. O'Connor, C.P.C.
Laboratory Director

WAO/slb

pace laboratories, inc.
PROFESSIONAL ANALYTICAL CHEMISTRY & ENGINEERING

STEVE A. VANDERBOOM
President
WILLIAM A. O'CONNOR
Vice-President

1710 Douglas Drive North ☐ Minneapolis, MN 55422 ☐ Phone (612) 544-5543

October 19, 1985

Mr. James Kinsey
Waste Reduction, Inc.
5367 Eagle Street
White Bear Lake, MN 55110

Dear Mr. Kinsey,

Enclosed are reports of laboratory analysis for sample(s) received August 30, 1985.

If you have any questions concerning this report, please feel free to contact me at any time.

Sincerely,

William A. O'Connor, C.P.C.
Laboratory Director

WAO/tw

Enclosures

pace laboratories, inc.
PROFESSIONAL ANALYTICAL CHEMISTRY & ENGINEERING

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October 19, 1985

Waste Reduction, Inc.
5367 Eagle Street
White Bear Lake, MN 55110

ATTN: Mr. James Kinsey

REPORT OF LABORATORY ANALYSIS

Date Sample(s) Collected:
Date Sample(s) Received: August 30, 1985

Parameter	Minimum Detection Limit	Resin Composite E	Barreled Waste Composite	#77	#82
Barium, mg/l (1)	0.2	0.2	0.7	39	4.2
Chromium, mg/l (1)	0.05	< 0.05	< 0.05	0.09	0.20
Lead, mg/l (1)	0.2	0.2	4.9	2.4	0.4

< means "less than"

(1) Analysis performed on EP Toxic Leachate.

The data contained in this report was obtained using EPA or other approved methodologies. All analyses were performed by or under my direct supervision.

William A. O'Connor, C.P.C.
Laboratory Director

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PROFESSIONAL ANALYTICAL CHEMISTRY & ENGINEERING

STEVE A. VANDERBOOM
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WILLIAM A. O'CONNOR
Vice-President

1710 Douglas Drive North ☐ Minneapolis, MN 55422 ☐ Phone (612) 544-5543

October 21, 1985

Mr. James Kinsey
Waste Reduction, Inc.
5367 Eagle Street
White Bear Lake, MN 55110

Dear Mr. Kinsey:

Enclosed are reports of laboratory analysis for sample(s) received August 20, 1985.

If you have any questions concerning this report, please feel free to contact me at any time.

Sincerely,

William A. O'Connor, C.P.C.
Laboratory Director

WAO/tw

Enclosures

pace laboratories, inc.
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October 21, 1985

Waste Reduction, Inc.
5367 Eagle Street
White Bear Lake, MN 55110

ATTN: Mr. James Kinsey

REPORT OF LABORATORY ANALYSIS

Date Sample(s) Collected:
Date Sample(s) Received: August 20, 1985

VALSPAR PROJECT

Sample	Barium(1) mg/l	Cadmium(1) mg/l	Chromium(1) mg/l	Lead(1) mg/l	Arsenic(1) ug/l	Selenium(1) ug/l	Mercury(1) ug/l
Minimum Detection Limit	0.2	0.01	0.05	0.2	1	1	0.2
#2 048-9	4.0	0.50	0.47	3.4	-	-	-
#3 042-15	110	-	0.19	190	-	-	-
#4 041-16	11	-	<0.05	5.0	-	-	-
#6 051-056	100	-	-	<0.2	-	-	-
#18 108-16	<0.2	<0.01	<0.05	<0.2	<1	<1	<0.2
19 105-019	-	-	-	0.7	-	-	-
#25 Peeling Paint	-	-	<0.05	<0.2	-	-	-
Composite A	<0.2	<0.01	<0.05	0.2	<1	<1	0.2
Composite 5+9	59	0.11	0.34	3.1	28	<1	7.5

< means "less than"

(1) Analysis performed on EP Toxic Leachate.

The data contained in this report was obtained using EPA or other approved methodologies. All analyses were performed by me or under my direct supervision.

William A. O'Connor, C.P.C.
Laboratory Director

WAO/tw

pace laboratories, inc.
PROFESSIONAL ANALYTICAL CHEMISTRY & ENGINEERING

PRINCIPALS
STEVE A. VANDERBOOM
WILLIAM A. O'CONNOR

1710 Douglas Drive North □ Minneapolis, MN 55422 □ Phone (612) 544-5543

October 21, 1985

Mr. James Kinsey
Waste Reduction, Inc.
5367 Eagle Street
White Bear Lake, MN 55110

Dear Mr. Kinsey:

Samples received August 20 through 30, 1985 were analyzed by gas chromatography for the presence of solvents. The column utilized was an 1/8" x 8' 1% SP1000 coated on Carbopack C. The detector used was a flame ionization detector. The method utilized was developed by Supelco Inc. "Solvent Mixtures and the Determination of Water in Solvents" 747F, 1985.

The results reported to you include unknown compounds which were detected but not identified. These unknowns could be higher boiling compounds such as naptha. Also, positive identification of the chlorinated compounds is tentative. The detector we utilized is a non-specific detector that responds to all compounds. It is possible that some of the chlorinated compounds reported may be non-chlorinated compounds that coelute with them. Positive identification could only be done by gas chromatography/mass spectrometry.

If you have any questions concerning this report, please feel free to contact me at any time.

Sincerely,

William A. O'Connor-TLK

William A. O'Connor, C.P.C.
Laboratory Director

WAO/mk

pace laboratories, inc.
PROFESSIONAL ANALYTICAL CHEMISTRY & ENGINEERING

PRINCIPALS
STEVE A. VANDERBOOM
WILLIAM A. O'CONNOR

1710 Douglas Drive North □ Minneapolis, MN 55422 □ Phone (612) 544-5543

October 21, 1985

Waste Reduction, Inc.
5367 Eagle Street
White Bear Lake, MN 55110

Attn: Mr. James Kinsey

REPORT OF LABORATORY ANALYSIS

Date Sample(s) Collected:
Date Sample(s) Received: August 30, 1985

Valspar Project

Parameter	Composite "C" Top 50% Layer	Composite "C" Bottom 50% Layer	Composite "C" Normalized Total
Methanol, %	<0.1	<0.1	<0.1
Methylene Chloride, %	<0.1	<0.1	<0.1
Isopropyl Alcohol, %	<0.1	<0.1	<0.1
Tetrahydrofuran, %	<0.1	<0.1	<0.1
1,1,2-Freon, %	<0.1	<0.1	<0.1
1,1,1-Trichloroethane, %	<0.1	<0.1	<0.1
1,1,2-Trichloroethane, %	<0.1	<0.1	<0.1
Hexane, %	<0.1	<0.1	<0.1
Tetrachloroethylene, %	0.2	<0.1	<0.1
Toluene, %	0.6	<0.1	0.3
m-Xylene, %	2.7	<0.1	1.3
Ethanol, %	<0.1	<0.1	<0.1
Acetone, %	<0.1	<0.1	<0.1
N-Propanol, %	<0.1	<0.1	<0.1
Chloroform, %	<0.1	<0.1	<0.1
Methyl Ethyl Ketone, %	<0.1	<0.1	<0.1
Trichloroethylene, %	<0.1	<0.1	<0.1
Benzene, %	<0.1	<0.1	<0.1
Methyl Isobutyl Ketone, %	<0.1	<0.1	<0.1
Butyl Acetate, %	1.9	<0.1	<0.1

Mr. Jim Kinsey
Waste Reduction, Inc.

Valspar Project

Parameter	Composite "C" Top 50% Layer	Composite "C" Bottom 50% Layer	Composite "C" Normalized Total
p-Xylene, %	<0.1	<0.1	<0.1
High Boilers as Naptha, %	24	<0.1	12
1,1-Dichloroethylene, %	<0.1	<0.1	<0.1
Trans-1,2-Dichloroethylene, %	<0.1	<0.1	<0.1
Carbon Tetrachloride, %	<0.1	<0.1	<0.1
1,2-Dichloropropane, %	<0.1	<0.1	<0.1
1,1,1,2-Tetrachloroethane, %	<0.1	<0.1	<0.1
Chlorobenzene, %	2.3	<0.1	1.2
Ethyl Benzene, %	1.4	<0.1	0.7
Cumene, %	2.4	<0.1	1.2
n-Butyl Alcohol, %	<0.1	<0.1	<0.1
Total Unknowns, %	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane, %	<0.1	<0.1	<0.1

Mr. Jim Kinsey
Waste Reduction, Inc.

Valspar Project

Parameter	Composite "B" Top 90% Layer	Composite "B" Top 10% Layer	Composite "B" Total
Methanol, %	<0.1	<0.1	<0.1
Methylene Chloride, %	<0.1	<0.1	<0.1
Isopropyl Alcohol, %	<0.1	<0.1	<0.1
Tetrahydrofuran, %	<0.1	<0.1	<0.1
1,1,2-Freon, %	<0.1	<0.1	<0.1
1,1,1-Trichloroethane, %	<0.1	<0.1	<0.1
1,1,2-Trichloroethane, %	<0.1	<0.1	<0.1
Hexane, %	<0.1	<0.1	<0.1
Tetrachloroethylene, %	<0.1	<0.1	<0.1
Toluene, %	0.1	<0.1	0.1
m-Xylene, %	0.8	<0.1	0.7
Ethanol, %	<0.1	<0.1	<0.1
N-Propanol, %	<0.1	<0.1	<0.1
Unknowns, %	<0.1	<0.1	<0.1
Chloroform, %	<0.1	<0.1	<0.1
Methyl Ethyl Ketone, %	<0.1	<0.1	<0.1
Trichloroethylene, %	<0.1	<0.1	<0.1
Benzene, %	<0.1	<0.1	<0.1
Methyl Isobutyl Ketone, %	<0.1	<0.1	<0.1
Butyl Acetate, %	<0.1	<0.1	<0.1

Mr. Jim Kinsey
Waste Reduction, Inc.

Valspar Project

Parameter	Composite "B" Top 50% Layer	Composite "B" Bottom 50% Layer	Composite "B" Normalized Total
p-Xylene, %	0.2	<0.1	0.2
High Boilers as Naptha, %	5	<0.1	4
1,1-Dichloroethylene, %	<0.1	<0.1	<0.1
Trans-1,2-Dichloroethylene, %	<0.1	<0.1	<0.1
Carbon Tetrachloride, %	<0.1	<0.1	<0.1
1,2-Dichloropropane, %	<0.1	<0.1	<0.1
1,1,1,2-Tetrachloroethane, %	<0.1	<0.1	<0.1
Chlorobenzene, %	0.2	<0.1	0.2
Ethyl Benzene, %	0.4	<0.1	0.4
Cumene, %	0.7	<0.1	0.6
n-Butyl Alcohol, %	<0.1	<0.1	<0.1
Total Unknowns, %	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane, %	1.0	<0.1	0.2

Mr. Jim Kinsey
Waste Reduction, Inc.

Valspar Project

Parameter	Resin Composite D	Resin Composite E	Composite X
pH	-	-	-
Total Solids, %	73	66	-
Ash, %	0.26	0.98	-
Alkalinity, %	-	-	-
Barium, mg/kg	5.3	210	-
Cadmium, mg/kg	<0.18	2.0	-
Chromium, mg/kg	<0.88	180	-
Lead, mg/kg	19	1600	-
Silver, mg/kg	<3.9	<3.8	-
Arsenic, mg/kg	<0.11	<0.07	-
Selenium, mg/kg	<0.07	<0.09	-
Mercury, mg/kg	<0.07	0.06	-
Methanol, %	<0.1	<0.1	<0.1
Methylene Chloride, %	<0.1	<0.1	<0.1
Isopropyl Alcohol, %	0.2	<0.1	<0.1
Tetrahydrofuran, %	<0.1	<0.1	<0.1
1,1,2-Freon, %	<0.1	<0.1	<0.1
1,1,1-Trichloroethane, %	<0.1	<0.1	<0.1
1,1,2-Trichloroethane, %	<0.1	<0.1	<0.1
Hexane, %	<0.1	<0.1	<0.1
Tetrachloroethylene, %	<0.1	<0.1	<0.1

Mr. Jim Kinsey
Waste Reduction, Inc.

Valspar Project

Parameter	Resin Composite D	Resin Composite E	Composite X
Toluene, %	<0.1	<0.1	<0.1
m-Xylene, %	1.3	0.2	<0.1
Ethanol, %	<0.1	<0.1	<0.1
Acetone, %	<0.1	<0.1	<0.1
N-Propanol, %	<0.1	<0.1	<0.1
Chloroform, %	<0.1	<0.1	<0.1
Methyl Ethyl Ketone, %	<0.1	<0.1	<0.1
Trichloroethylene, %	<0.1	<0.1	<0.1
Benzene, %	<0.1	<0.1	<0.1
Methyl Isobutyl Ketone, %	<0.1	<0.1	<0.1
Butyl Acetate, %	0.5	<0.1	<0.1
p-Xylene, %	1.1	0.2	<0.1
1,1-Dichloroethylene, %	<0.1	<0.1	<0.1
Trans-1,2-Dichloroethylene, %	<0.1	<0.1	<0.1
Carbon Tetrachloride, %	<0.1	<0.1	<0.1
1,2-Dichloropropane, %	<0.1	<0.1	<0.1
1,1,1,2-Tetrachloroethane, %	<0.1	<0.1	<0.1
Chlorobenzene, %	1.0	<0.1	<0.1
Ethyl Benzene, %	0.5	<0.1	<0.1
Cumene, %	1.3	<0.1	<0.1
n-Butyl Alcohol, %	<0.1	<0.1	<0.1
Total Unknowns, %	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane, %	<0.1	<0.1	<0.1

Mr. Jim Kinsey
Waste Reduction, Inc.

Valspar Project

Parameter	Barreled Waste Composite Top 40%	Barreled Waste Composite Bottom 60%	Barreled Waste Total	Varnish Composite
Total Solids, %	-	-	16	-
Ash, %	-	-	4.4	-
Barium, mg/kg	-	-	350	-
Cadmium, mg/kg	-	-	1.5	0.20
Chromium, mg/kg	-	-	160	1.0
Lead, mg/kg	-	-	1900	12
Silver, mg/kg	-	-	<3.5	-
Arsenic, mg/kg%	-	-	0.83	-
Selenium, mg/kg	-	-	<0.08	-
Mercury, mg/kg	-	-	0.09	-
Methanol, %	<0.1	<0.1	<0.1	-
Methylene Chloride, %	<0.1	<0.1	<0.1	-
Isopropyl Alcohol, %	<0.1	<0.1	<0.1	-
Tetrahydrofuran, %	<0.1	<0.1	<0.1	-
1,1,2-Freon, %	<0.1	<0.1	<0.1	-
1,1,1-Trichloroethane, %	<0.1	<0.1	<0.1	-
1,1,2-Trichloroethane, %	<0.1	<0.1	<0.1	-
Hexane, %	<0.1	<0.1	<0.1	-
Tetrachloroethylene, %	<0.1	<0.1	<0.1	-

Mr. Jim Kinsey
Waste Reduction, Inc.

Valspar Project

Parameter	Barreled Waste Composite Top 40%	Barreled Waste Composite Bottom 60%	Barreled Waste Total	Varnish Composite
Toluene, %	0.2	<0.1	<0.1	-
m-Xylene, %	3.5	0.7	1.8	-
Ethanol, %	<0.1	<0.1	<0.1	-
Acetone, %	<0.1	<0.1	<0.1	-
N-Propanol, %	<0.1	<0.1	<0.1	-
Chloroform, %	<0.1	<0.1	<0.1	-
Methyl Ethyl Ketone, %	<0.1	<0.1	<0.1	-
Trichloroethylene, %	<0.1	<0.1	<0.1	-
Benzene, %	<0.1	<0.1	<0.1	-
Methyl Isobutyl Ketone, %	<0.1	<0.1	<0.1	-
Butyl Acetate, %	1.3	0.3	0.7	-
p-Xylene, %	3.3	1.0	1.9	-
1,1-Dichloroethylene, %	<0.1	<0.1	<0.1	-
Trans-1,2-Dichloroethylene, %	<0.1	<0.1	<0.1	-
Carbon Tetrachloride, %	<0.1	<0.1	<0.1	-
1,2-Dichloropropane, %	<0.1	<0.1	<0.1	-
1,1,1,2-Tetrachloroethane, %	0.3	<0.1	0.1	-
Chlorobenzene, %	1.7	0.5	1.0	-
Ethyl Benzene, %	2.0	0.4	1.1	-
Cumene, %	2.8	0.7	1.5	-
n-Butyl Alcohol, %	<0.1	<0.1	<0.1	-
Total Unknowns, %	<1.0	<1.0	<1.0	-
1,1,2,2-Tetrachloroethane, %	<0.1	<0.1	<0.1	-

Mr. Jim Kinsey
Waste Reduction, Inc.

Valspar Project

Parameter	#31 Top 30%	#31 Bottom 70%	#31 Total
Methanol, %	<0.1	<0.1	<0.1
Methylene Chloride, %	<0.1	<0.1	<0.1
Isopropyl Alcohol, %	<0.1	<0.1	<0.1
Tetrahydrofuran, %	<0.1	<0.1	<0.1
1,1,2-Freon, %	<0.1	<0.1	<0.1
1,1,1-Trichloroethane, %	<0.1	<0.1	<0.1
1,1,2-Trichloroethane, %	<0.1	<0.1	<0.1
Hexane, %	0.2	<0.1	<0.1
Tetrachloroethylene, %	0.6	<0.1	0.2
Toluene, %	36	0.2	12
m-Xylene, %	4.2	<0.1	1.4
Ethanol, %	<0.1	<0.1	<0.1
Acetone, %	<0.1	<0.1	<0.1
Unknowns, %	<0.1	<0.1	<0.1
Chloroform, %	<0.1	<0.1	<0.1
Methyl Ethyl Ketone, %	<0.1	<0.1	<0.1
Trichloroethylene, %	<0.1	<0.1	<0.1
Benzene, %	<0.1	<0.1	<0.1
Methyl Isobutyl Ketone, %	<0.1	<0.1	<0.1
Butyl Acetate, %	25	<0.1	8.3

Mr. Jim Kinsey
Waste Reduction, Inc.

Valspar Project

Parameter	#31 Top 30%	#31 Bottom 70%	#31 Total
p-Xylene, %	2.9	<0.1	1.0
1,1-Dichloroethylene, %	<0.1	<0.1	<0.1
Trans-1,2-Dichloroethylene, %	<0.1	<0.1	<0.1
Carbon Tetrachloride, %	<0.1	<0.1	<0.1
1,2-Dichloropropane, %	<0.1	<0.1	<0.1
1,1,1,2-Tetrachloroethane, %	0.4	<0.1	0.1
Chlorobenzene, %	0.4	<0.1	0.1
Ethyl Benzene, %	2.1	<0.1	0.7
Cumene, %	1.1	<0.1	0.4
n-Butyl Alcohol, %	<0.1	<0.1	<0.1
Total Unknowns, %	10	<1.0	3.0
1,1,2,2-Tetrachloroethane, %	0.2	<0.1	<0.1

Mr. Jim Kinsey
Waste Reduction, Inc.

Valspar Project

Parameter	#38 Top 1%	#38 Bottom 99%	#38 Total
Methanol, %	<0.1	<0.1	<0.1
Methylene Chloride, %	<0.1	<0.1	<0.1
Isopropyl Alcohol, %	<0.1	<0.1	<0.1
Tetrahydrofuran, %	<0.1	<0.1	<0.1
1,1,2-Freon, %	<0.1	<0.1	<0.1
1,1,1-Trichloroethane, %	<0.1	<0.1	<0.1
1,1,2-Trichloroethane, %	<0.1	<0.1	<0.1
Hexane, %	<0.1	<0.1	<0.1
Tetrachloroethylene, %	<0.1	<0.1	<0.1
Toluene, %	<0.1	<0.1	<0.1
m-Xylene, %	24	<0.1	0.2
Ethanol, %	<0.1	<0.1	<0.1
Acetone, %	<0.1	<0.1	<0.1
N-Propanol, %	<0.1	<0.1	<0.1
Chloroform, %	<0.1	<0.1	<0.1
Methyl Ethyl Ketone, %	<0.1	<0.1	<0.1
Trichloroethylene, %	<0.1	<0.1	<0.1
Benzene, %	<0.1	<0.1	<0.1
Methyl Isobutyl Ketone, %	<0.1	<0.1	<0.1
Butyl Acetate, %	<0.1	<0.1	<0.1

Mr. Jim Kinsey
Waste Reduction, Inc.

Valspar Project

Parameter	#38 Top 1%	#38 Bottom 99%	#38 Total
p-Xylene, %	22	<0.1	0.2
1,1-Dichloroethylene, %	<0.1	<0.1	<0.1
Trans-1,2-Dichloroethylene, %	<0.1	<0.1	<0.1
Carbon Tetrachloride, %	<0.1	<0.1	<0.1
1,2-Dichloropropane, %	<0.1	<0.1	<0.1
1,1,1,2-Tetrachloroethane, %	<0.1	<0.1	<0.1
Chlorobenzene, %	5.0	<0.1	<0.1
Ethyl Benzene, %	13	<0.1	<0.1
Cumene, %	15	<0.1	<0.1
n-Butyl Alcohol, %	<0.1	<0.1	<0.1
Total Unknowns, %	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane, %	<0.1	<0.1	<0.1

Mr. Jim Kinsey
Waste Reduction, Inc.

Valspar Project

Parameter	#52 Top 20%	#52 Bottom 80%	#52 Total
Methanol, %	<0.1	6.9	5.5
Methylene Chloride, %	<0.1	0.4	0.3
Isopropyl Alcohol, %	<0.1	<0.1	<0.1
Tetrahydrofuran, %	<0.1	<0.1	<0.1
1,1,2-Freon, %	<0.1	<0.1	<0.1
1,1,1-Trichloroethane, %	<0.1	<0.1	<0.1
1,1,2-Trichloroethane, %	<0.1	<0.1	<0.1
Hexane, %	<0.1	0.7	0.6
Tetrachloroethylene, %	0.3	<0.1	<0.1
Toluene, %	41	<0.1	8.2
m-Xylene, %	11	<0.1	2.2
Ethanol, %	<0.1	<0.1	<0.1
Acetone, %	<0.1	<0.1	<0.1
N-Propanol, %	<0.1	<0.1	<0.1
Chloroform, %	<0.1	<0.1	<0.1
Methyl Ethyl Ketone, %	0.6	<0.1	0.1
Trichloroethylene, %	0.3	5.1	4.1
Benzene, %	<0.1	<0.1	<0.1
Methyl Isobutyl Ketone, %	<0.1	<0.1	<0.1
Butyl Acetate, %	<0.1	<0.1	<0.1

Mr. Jim Kinsey
Waste Reduction, Inc.

Valspar Project

Parameter	#52 Top 20%	#52 Bottom 80%	#52 Total
p-Xylene, %	< 0.1	< 0.1	< 0.1
1,1-Dichloroethylene, %	< 0.1	< 0.1	< 0.1
Trans-1,2-Dichloroethylene, %	< 0.1	< 0.1	< 0.1
Carbon Tetrachloride, %	1.1	0.4	0.5
1,2-Dichloropropane, %	< 0.1	< 0.1	< 0.1
1,1,1,2-Tetrachloroethane, %	0.3	< 0.1	< 0.1
Chlorobenzene, %	0.5	< 0.1	< 0.1
Ethyl Benzene, %	3.8	< 0.1	0.8
Cumene, %	< 0.1	< 0.1	< 0.1
n-Butyl Alcohol, %	< 0.1	< 0.1	< 0.1
Total Unknowns, %	14	1.0	3.0
1,1,2,2-Tetrachloroethane, %	0.2	< 0.1	< 0.1

Mr. Jim Kinsey
Waste Reduction, Inc.

Valspar Project

Parameter	#57 Top 50%	#57 Bottom 50%	#57 Total
Methanol, %	<0.1	7.5	3.7
Methylene Chloride, %	<0.1	0.4	0.2
Isopropyl Alcohol, %	<0.1	<0.1	<0.1
Tetrahydrofuran, %	<0.1	<0.1	<0.1
1,1,2-Freon, %	<0.1	<0.1	<0.1
1,1,1-Trichloroethane, %	<0.1	0.2	0.1
1,1,2-Trichloroethane, %	<0.1	<0.1	<0.1
Hexane, %	0.3	0.9	0.6
Tetrachloroethylene, %	<0.1	<0.1	<0.1
Toluene, %	26	<0.1	13
m-Xylene, %	5.3	<0.1	2.5
Ethanol, %	<0.1	<0.1	<0.1
Acetone, %	<0.1	<0.1	<0.1
Unknowns, %	<0.1	<0.1	<0.1
Chloroform, %	<0.1	<0.1	<0.1
Methyl Ethyl Ketone, %	0.6	<0.1	0.3
Trichloroethylene, %	0.3	5.9	3.1
Benzene, %	<0.1	<0.1	<0.1
Methyl Isobutyl Ketone, %	<0.1	<0.1	<0.1
Butyl Acetate, %	<0.1	<0.1	<0.1

Mr. Jim Kinsey
Waste Reduction, Inc.

Valspar Project

Parameter	#57 Top 50%	#57 Bottom 50%	#57 Total
p-Xylene, %	<0.1	<0.1	<0.1
1,1-Dichloroethylene, %	<0.1	0.2	0.1
Trans-1,2-Dichloroethylene, %	<0.1	<0.1	<0.1
Carbon Tetrachloride, %	1.1	<0.1	0.6
1,2-Dichloropropane, %	<0.1	<0.1	<0.1
1,1,1,2-Tetrachloroethane, %	0.3	<0.1	0.1
Chlorobenzene, %	0.5	<0.1	0.2
Ethyl Benzene, %	4.8	<0.1	2.4
Cumene, %	1.2	<0.1	0.6
n-Butyl Alcohol, %	<0.1	<0.1	<0.1
Total Unknowns, %	14	7.0	10
1,1,2,2-Tetrachloroethane, %	0.2	<0.1	<0.1

Mr. Jim Kinsey
Waste Reduction, Inc.

Valspar Project

Parameter	39	49	51	66	73
pH	6	-	-	5	-
Total Solids, %	-	-	-	-	-
Ash, %	-	-	-	-	-
Alkalinity, %	-	-	-	< 3.1	-
Barium, mg/kg	6.4	-	-	0.16	-
Cadmium, mg/kg	< 0.21	-	-	< 0.78	-
Chromium, mg/kg	< 1.1	-	-	3.1	-
Lead, mg/kg	< 4.2	-	-	< 3.8	-
Silver, mg/kg	< 3.6	-	-	< 0.08	-
Arsenic, mg/kg	< 0.08	-	-	< 0.08	-
Selenium, mg/kg	< 0.08	-	-	< 0.08	-
Mercury, mg/kg	< 0.07	-	-	0.08	-
Methanol, %	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride, %	<0.1	<0.1	<0.1	<0.1	<0.1
Isopropyl Alcohol, %	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrahydrofuran, %	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Freon, %	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane, %	<0.1	<0.1	1.3	<0.1	<0.1
1,1,2-Trichloroethane, %	<0.1	<0.1	<0.1	<0.1	<0.1
Hexane, %	<0.1	<0.1	0.3	<0.1	<0.1
Tetrachloroethylene, %	<0.1	<0.1	1.8	<0.1	<0.1
Toluene, %	<0.1	<0.1	0.5	<0.1	<0.1

Mr. Jim Kinsey
Waste Reduction, Inc.

Valspar Project

Parameter	39	49	51	66	73
m-Xylene, %	<0.1	<0.1	<0.1	<0.1	<0.1
Ethanol, %	<0.1	<0.1	4.6	<0.1	<0.1
Acetone, %	<0.1	<0.1	3.7	<0.1	<0.1
N-Propanol,%	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform, %	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Ethyl Ketone, %	<0.1	84	6.9	<0.1	<0.1
Trichloroethylene, %	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene, %	<0.1	<0.1	0.1	<0.1	<0.1
Methyl Isobutyl Ketone, %	<0.1	<0.1	1.0	<0.1	<0.1
Butyl Acetate, %	<0.1	<0.1	72	<0.1	<0.1
p-Xylene, %	<0.1	<0.1	<0.1	<0.1	<0.1
High Boilers as Naptha, %	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethylene, %	<0.1	<0.1	<0.1	<0.1	<0.1
Trans-1,2-Dichloroethylene, %	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride, %	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane, %	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1,2-Tetrachloroethane, %	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene, %	<0.1	<0.1	0.6	<0.1	<0.1
Ethyl Benzene, %	<0.1	<0.1	0.2	<0.1	<0.1
Cumene, %	<0.1	<0.1	<0.1	<0.1	<0.1
n-Butyl Alcohol, %	<0.1	<0.1	<0.1	<0.1	65
Total Unknowns, %	<1.0	<1.0	6	<1.0	<1.0
1,1,2,2-Tetrachloroethane, %	<0.1	< 0.1	2.4	<0.1	<0.1

Mr. Jim Kinsey
Waste Reduction, Inc.

Valspar Project

Parameter	75	76	77	82	83	84
pH	-	-	11	12	6	6
Total Solids, %	88	56	31	49	-	-
Ash, %	0.04	0.36	23	35	-	-
Alkalinity, %	-	-	2.0	6.9	-	-
Barium, mg/kg	-	7.5	2400	1800	5.3	<4.1
Cadmium, mg/kg	-	<0.19	0.72	4.2	<0.18	<0.20
Chromium, mg/kg	-	<0.93	180	81	<0.89	<1.0
Lead, mg/kg	-	<3.7	1500	860	<3.6	<4.1
Silver, mg/kg	-	<3.6	<2.8	<2.8	<3.8	<3.4
Arsenic, mg/kg	-	<0.10	2.0	1.8	<0.09	<0.09
Selenium, mg/kg	-	<0.07	<0.08	0.18	<0.08	<0.10
Mercury, mg/kg	-	<0.07	0.13	1.5	<0.06	<0.06

< means "less than"

The data contained in this report was obtained using EPA approved methodologies. All analyses were performed by me or under my direct supervision.

William A. O'Connor CPC

William A. O'Connor, C.P.C.
Laboratory Director

WAO/mk

APPENDIX H

SAMPLE RESULTS FROM KINSEY 1987

87-437

0316005445 Cook
Valspar
SF/Tech

Kinsey Consulting Inc.
30399 Chardon Lane
Grayslake, Illinois 60030
July 14, 1987

James A. Janssen, P.E., Manager
Immediate Removal Unit
Remedial Project Management Section
Division of Land Pollution Control
Illinois Environmental Protection Agency
2200 Churchill road
Springfield, Illinois 62706

RECEIVED
JUL 22 1987
IEPA/DLPC

Re: 0316005445 --- Cook County
Chicago / Valspar
Superfund / Enforcement
Final Report

Dear Mr. Janssen,

I am writing this letter to document the completion of remedial activities at the above referenced site, in accordance with the work plan approved by the Illinois Environmental Protection Agency (IEPA). The original work plan was proposed in the Phase I Identified Response Action document submitted to the IEPA on October 23, 1985. The work plan was approved with modifications listed in a letter from IEPA dated May 1, 1986 to Mr. Michael J. Quinn, attorney for American National and Trust Company of Chicago (Trust 75860 dated July 6, 1971). As a result of investigations requested in the approval letter, lead dust contamination was identified and the work plan was modified to include the removal of dust from buildings 7,8, and 12. During the conduct of the site clean up, the work plan was modified to include general housekeeping tasks such as the removal of peeling paint from the floors so as to make the property more presentable for sale, and to expand the pipe clean up activities to include all pipes found on the property. Valspar claimed that all pipes

were cleared prior to their leaving the site on October 31, 1984. Our investigations found that most pipes were obstructed at their lowest points. They may have been clear in 1984 when Valspar left, but by 1986 when we tested the pipes, residues that had adhered to the inside of the pipes had drained to the low points and obstructed the pipe.

In its final form the work plan included the clean up of the following five areas:

1. Remove dust and peeled paint on floors in buildings 7, 8, and 12.
2. Clean 58 above ground tanks.
3. Clean 23 underground tanks and pressure test to determine if they leak.
4. Clear all production and tank related pipes.
5. Remove unused asbestos insulation in storage shed.

A list of all tanks cleaned is in attachment 1, "Index of Tanks to be Cleaned." A summary of all wastes removed and documentation of their disposition is included in attachment 2, "Waste Volumes and Disposal." A summary of the five clean up tasks that comprised the remedial action is found below.

Lead Contaminated Dust

Floors one through six of buildings 7, 8, and 12 were vacuumed using a 15 gallon Hake Minuteman asbestos vacuum (model no. 80315). Due to ongoing vandalism, new areas containing dust were being exposed as plate steel isleways were removed. To assure complete removal of potentially contaminated dust, we removed all remaining steel sheets and vacuumed the entire surface of the floors. The stair well areas were also vacuumed. Six 55 gallon steel drums of dust were collected. The cleanliness standard was a visual standard. The completion of

and all readings were less than 5 ppm.

Asbestos

Unused asbestos pipe insulation was stored in their original retail boxes in a shed on the west end of the property between buildings 7 and 8. The boxes were too large to place directly into plastic bags. Even if the bag were large enough, the wetted asbestos would have weighed several hundred pounds and would therefore likely tear the bag. Therefore, the asbestos insulation was wetted using a surfactant solution and repacked into plastic bags, sealed, and double bagged. The bags were loaded into a roll off container and transported to a local landfill for disposal.

The clean up activities specified in the Phase I study as approved by the IEPA have been concluded. These activities have been conducted in accordance with applicable IEPA rules, established health and safety guidelines, and generally accepted engineering practices. If you have any questions please call me at (312) 526-8027 or (312) 295-6020.

Very truly yours,

James A. Kinsey

James A. Kinsey

Attachments
Index of Tanks to be Cleaned
Waste Volumes and Disposal
Underground Tanks After Cleaning

APPENDIX I

SAMPLE RESULTS FROM IEPA
1988

Kinsey Consulting Inc.
5367 Eagle Street
White Bear Lake, MN. 55110
July 16, 1986

James A. Janssen, P.E., Manager
Immediate Removal Unit
Remedial Project Management Section
Division of Land Pollution Control
Illinois Environmental Protection Agency
2200 Churchill Road
Springfield, Illinois 62706

RECEIVED
AUG 13 1986
IEPA-DLPC

RE: 0316005445 -- Cook County
Chicago / Valspar
Superfund / Enforcement

Dear Mr. Janssen,

I am writing this letter to document the sampling and analysis procedures used to evaluate the "red dust" and the contents of tank # 239 as requested in your May 1, 1986 letter to Mr. Michael J. Quinn, attorney for American National and Trust Company of Chicago (Trust 75860 dated July 6, 1971). On June 13, 1986 I sampled the "red dust" on the floor in the 5th level of building 8. The "red dust" contained 235,000 mg/kg of iron and 4,200 mg/kg of lead. On July 2, 1986 I sampled other dusts on the 5th levels of buildings 7, 8, and 12, and the contents of tank # 239. Lead was also found in those dusts at concentrations ranging from 145 to 29,300 ug/g. The EP toxicity of the "red dust" in the 5th level of building 8 was found to be 20 mg/l. The analysis of the sample from tank # 239 shows that the contents are not hazardous. The sampling and analysis procedures used were those described in the Health and Safety Plan submitted prior to conducting Phase 1. The following is a review of the additional sampling done to date, a plan to determine the extent of the lead contamination, the results of the investigation, and a proposed clean up plan for the lead.

Background

During the Phase 1 investigations many different types of materials were analyzed for lead but only two of the materials were EP toxic. Tanks # 041 and 042 contained liquid paint wastes with 4,500 mg/kg and 9,200 mg/kg of total lead respectively. Their EP toxic lead concentrations were 5.0 mg/l and 190 mg/l respectively. The peeling paint had 3,500 mg/kg of total lead but less than 0.2 mg/l of EP extractable lead. The peeling paint

was found in most of the rooms on site but there was only one room that contained "red dust". That was the 5th floor of building 8 were pigments were stored. About half of the room had a white dust on the floor and there were several spots that had a small amount of red dust. The amount of red dust was so small that most of the spots would have been removed up in the process of taking the sample. The red dust was not sampled for three reasons. First the amount was believed to be insignificant. Second, Valspar claimed that the use of lead pigments ceased about 1978 and that routine cleaning during the years that followed would have removed any residues. And third, the color of the dust was typical of an iron oxide pigment and not a lead pigment.

During the Phase 1 investigation the contents of tanks # 238 and 239 were assumed to contain the same material for three reasons. First, the contents of both tanks had the same appearance, color, and consistency. Second, Valspar documents and personal identified both tanks as latex storage tanks. And third, There was a common manifold and pump by which the tanks were emptied. The pipes that connect the tank to the common manifold and pump are not in place, therefor the IEPA has requested that the contents of tank # 239 be sampled and its hazard classification be determined independently of tank # 238.

Preliminary Analysis

Pursuant to the request of the IEPA, I sampled the red dust on June 13, 1986. Using a knife to scrape up the red dust I was able to collect about 0.2 gram. Attached is the laboratory analysis of the red dust (PACE report dated June 26, 1986). The

red dust is an iron oxide pigment with lead contamination. There are two possible explanations of the lead contamination. Either the lead is ubiquitous within the iron oxide pigment or there are leaded pigments that were mixed with the iron oxide. A typical pigment might only comprise only 10% of the paint formulation and although the limit for lead in a lead-free formulation is 600 mg/Kg the pigment might contain 6,000 mg/Kg and still be usable as a lead-free pigment. As amount of the pigment in the formulation goes down the amount of acceptable lead in the pigment goes up.

To better charaterize the amount of lead and to determine its hazard classification I again sampled the red dust on July 2, 1986. To obtain enough sample for an EP toxicity, a 5 foot by 5 foot area was cleared of peeled paint that had fallen from the ceiling. Then the dust in the area was drawn into a pile and scooped up with a spatula into a zip-lock baggy. About half the dust in this area was removed as the sample which weighed about 100 grams. This dust was in an area about 50 X 50 feet. The total amount of dust in the room is estimated at 44 pounds. The sample was split. 100 grams was sent to PACE Laboratories for total lead and EP toxic lead. One gram was sent to Thompson and Associates (bag 1) along with the other samples discussed below for total lead analysis. Pace Laboratories reported a total lead of 8,200 mg/kg and an EP toxic lead of 20 mg/l. Thompson reported a total lead of 8,290 mg/kg. This data suggests that the "red dust" has even less lead than the underlying white dust. The concentration of the lead is still with in the upper end of

the ubiquitous range.

Four additional samples were taken on the 5th floor to determine if the adjoining rooms also contained lead (see the attached 5th floor map for sample locations). The plate steel isle covers had been removed in buildings 7 and 8 exposing layers of dusts. No dusts were found in these rooms except where the steel plates had been removed. The steel plates were not found on site and have presumably been removed by vandals for recovery. Samples in vials 1 and 2 were dusts from where the plates used to be. Vial 1 is a red dust from building 7 with 2,820 ug/g of lead. It is quite similar to the "red dust" in building 8. Vial 2 is a gray to black powder from building 12 with 29,300 ug/g of lead. This was the highest lead level found and it can not be explained as a ubiquitous contamination. These dusts contain leaded pigments and although the floor surfaces may have been cleaned after Valspar stopped using leaded pigments the area under the steel plates was not cleaned. The amount of pigment is estimated to be less than 55 gallons. If the peeling paint is also cleaned up with the pigments then the volume will be several barrels.

To confirm that the pigments are not in areas where dusts can not be seen the sample in vial 3 was taken in building 12 between the vial 2 sample and tank # 070. The total lead was 145 ug/g which due to the lack of dust poses no hazard.

The sample in vial 4 was taken to further charaterize the dust in building 8. This sample represents the only other color dust in this area. It was a yellow and contained 2,820 ug/g of lead.

The sample in bag 2 was a greenish dust on the floor in the 1st level of building 14. It appeared to be a fire extinguisher chemical because there were empty extinguishers near by. The lead level was 924 ug/g. There was only a thin film of dust and most of the sample was solid. It was therefor not though to pose a problem.

The last sample (bag 5) was a peeling paint sample from the basement of building 12. The level of lead was 230 ug/g, which is very low and due to the solid nature of the peeling paint it could not be a respiration hazard.

Both personal pumps were on during the entire active sampling period, for a total time of 270 minutes each. At 4.0 liters per minute they took in 1,080 liters. The filters contained less than 0.005 mg/filter. The respirable lead was less than 5 micrograms per cubic meter. The PEL for lead is 50 micrograms per cubic meter. Moderate activity which included the sweeping of 5 foot by 5 foot areas produced no detectable respirable lead.

The analysis of the contents of tank # 239 has been reported but the final report was not received in time to be included. A copy of the hand written internal PACE report is attached. The final report will be forwarded as soon as I receive it. The data showed the contents of tank # 239 to be non-hazardous.

Sampling Considerations.

The dusts in buildings 7, 8, and 12 are type V wastes, uniformly, non-randomly heterogeneous. That is that there are several types of dusts, that change very little with time, and

whose distribution is largely determined by the placement of plate metal islevays.

That there are several types of dust was shown by both visual observation and particle size analysis by microscope. The dusts vary in color with reds, browns, and grays being most prevalent. The 4th floor of building 12 has some green dust. To evaluate heterogeneity at least one sample of each color dust will be taken. Microscopic examination shows that some dust is a pigment with a very narrow range of sizes (about 0.8 microns), while other dusts are mixtures of materials with a wide range of sizes. Some of this dust is from the street and has been brought in to the plant on the feet of the employees during the past several decades. Like the pigments it has also found its way under the metal sheets. To determine the background levels of lead in the area, samples of the soil and street sweepings will also be taken.

The non-randomness of the dust will be evaluated by sampling areas that were under metal plates and areas that were not. All floors will be observed for visual confirmation of the randomness of the distribution of the dust.

The uniformity if the material with time is assumed because there are no aqueous solutions to leach the lead from the floor.

Parameters and Number of analysis

The number of samples taken depends on the number of rooms found to contain dust. At least one sample will be taken in each room that contains dust. If there is evidence of non-random distribution of dust a second sample may be taken to confirm this. If the dusts in the room also vary by color then

additional samples of each color may also be taken. The samples taken and the rational for their selection are listed below:

Spl #	Random	homogeneous	floor	building
J-1	yes	yes	1	11
J-2	no	yes	1	12
J-3	no	yes	1	7
J-4	no	yes	2	7
J-5	no	yes	3	7
J-6	yes	yes	3	8
J-7	no	yes	3	12
J-8	no	yes	3	12
J-9	yes	yes	3	12
J-10	no	yes	2	12
J-11	no	no	4	12
J-12	no	no	4	12
J-13	no	no	4	12
J-14	no	yes	4	7
J-15	yes	yes	4	8
J-16	no	yes	6	7
J-17	no	yes	6	8
J-18	no	no	5	8
J-19	no	yes	5	7
J-20	no	yes	4	7
J-21	no	no	5	12
J-22	no	no	5	12
J-23	yes	yes	Street Sweepings	
J-24	yes	yes	Street Side Soil	
J-25	yes	yes	Street Sweepings	

See attached floor maps for sample locations.

Each sample will be analyzed for total lead and the amount of lead per square meter will be calculated. These numbers will be used to determine a clean level and all rooms with lead exceeding those levels will be cleaned.

Both samplers will wear personal air pumps to sample for respirable lead.

<u>EPA Approved Analytical Procedures</u>

The following are EPA procedures referenced for measurement of the recommended parameters:

Measurement Parameter	EPA Storet No.	Analytical Procedure Reference
Lead (Total)	01051	EPA 600/4-79-020 Methods for Chemical Analysis of Water and Wastes, March 1979 239.1 & 239.2

Sampling Method

The sample will be collected by sweeping all the dust in a 5 foot by 5 foot area into a pile. If the pile is to large for a sample, it will be reduced by the following method. The pile is mixed and cut into four equal parts by two bisecting lines. Opposite sides are discarded and the remaining parts are mixed together. If the sample is still too large then the procedure is repeated until it is small enough. The sample is then picked up with a clean spatula and placed in a Zip Lock plastic bag and sealed.

Sample Custody

Same as for Phase 1 Identified Response Action.

Results and Discussion

The results and the calculations of the amount of lead per square meter are given below (for analytical results see attached PACE Laboratory report dated July 29, 1986):

Sample	# cuts	Spl. wt gm	Dust g/M2	lead mg/Kg	lead g/M2
J-1	0	93	40	870	.03
J-2	1	494	426	1,500	.64
J-3	2	586	1010	2,700	2.7
J-4	1	261	225	12,000	2.7
J-5	1	54	47	2,500	.12
J-6	0	125	54	3,000	.16
J-7	5	389	5366	1,100	5.9
J-8	0	93	40	4,100	.16
J-9	1	225	194	2,800	.54
J-10	0	369	159	1,400	.22
J-11	3	367	1,266	2,500	3.2
J-12	3	535	1,845	6,900	12.7
J-13	0	269	116	7,300	.85

J-14	4	341	2,352	8,500	20.0
J-15	0	23	10	3,000	.03
J-16	0	218	94	11,000	1.0
J-17	2	480	828	13,000	10.7
J-18	0	46	20	1,200	.02
J-19	2	330	569	8,800	5.0
J-20	2	122	210	7,300	1.5
J-21	8	608	67,090	3,300	221.
J-22	1	255	220	4,300	.94
J-23	5 sq ft	337	725	1,200	.87
J-24	6 x 6 inches	201	8,664	830	7.2
J-25	5 sq ft	901	1,938	640	1.2

The attached maps of floors 1 through 6 show the locations where the samples were taken. When comparing just the concentration of lead in the the dust samples to lead in the street background samples only one sample is below the background. This does not take into consideration the amount of dust in the sample area. It also does not take into consideration the likelihood that the lead concentration of the street dust was higher in years past because the change to unleaded gas is relatively recent. Concentrations as high as 10,000 mg/Kg have been reported in Minnesota at heavily traveled intersections. This would indicate that background lead levels as high as 86 gms Pb / M2 are possible. Eight of the sample areas have less lead than the streets. Ten of the sample areas are in the same range as the streets. Only four of the sample areas have more lead than is found on the streets.

The non-randomness of the dust is demonstrated by samples 7 and 8 and samples 12 and 13. Sample 7 and 12 were located on the former steel plate islevays. Samples 8 and 13, respectively, were immediately adjacent to them in areas not formerly covered by steel plates. The islevays have 36 times and 15 times, respectively, as much lead as the immediately adjacent space.

There does not seem to be a correlation between color and lead concentration. But the amount of lead, which reflects both the amount of dust and the concentration of lead, does seem to be related to the past use of the areas. The pigment storage and paint mixing areas have the most lead, while finished product and filling areas have the least.

The first floor areas have as much lead as the streets or less. The finished product storage area in building 12 and the shipping room of building 11 are much cleaner than the streets. The unloading area in building 7 is where incoming materials were received. The dust there has the same amount of lead as the street. The amount of dust is estimated to be 1,800 lbs..

The second floor is used for finished product storage and empty can storage. With the exception of a thin strip of dust in building 7, the floor has very little dust and the amount of lead is below the street levels. Sample J-4 was taken from a small area that used to have metal plates on the floor. The amount of dust in this area is estimated to be 5 lbs..

The third floor was used for paint filling and although most of the production tanks are located on this floor, it is very clean except for an area in building 12 where the metal plate islevays were located. Even in this area, the amount of lead is about the same as that found in the street. The amount of dust is estimated to be 600 lbs..

The fourth floor has lead in buildings 7 and 12, but building 8 is clean. Again, most of the dust is where the metal plates used to be. Those areas have more lead than the streets while the remaining area has about as much as the streets. The

amount of dust is estimated to be 820 lbs..

The fifth floor has lead in all three buildings at or above the levels in the street. The highest amounts are under the former metal plate isleways in buildings 7 and 12, and on a portion of the floor in building 8. The area in building 8 was labeled a the lead pigment storage area which Valspar claims has not contained leaded pigments since about 1978. As is shown by sample J-18 about half of the room is clean. If the lead came from a leaded pigment, then it would be expected that four to six years of continuous operations would either have evenly distributed the lead in the room or the periodic cleaning would have removed the leaded pigments. Since part of the room is clean, the dusts must have been more recently deposited. This further shows that the lead is the result of ubiquitous contamination of unleaded pigments such as iron oxide. The wide range of particle sizes noted during the microscopic examination of the sample bag # 1 taken July 2, 1986 also suggests that the sample included street dusts.

The highest concentration of lead found on the site was in building 12. The heterogenaity of the material under the former metal plates is shown by the range of lead concentrations and the colors present.

sample #	color	lead mg/Kg	lead g/M2	in isleway?
"red dust"	red	4,200	-	no
vial #1	red/brown	2,820	-	yes
vial #2	dark gray	29,300	-	yes
vial #3	white	145	-	no
vial #4	yellow	4,190	-	no
bag #1	light gray	8,290	.8	no
J-18	off white	1,200	.02	no
J-19	red/brown	8,800	5.0	yes

J-21	gray	3,300	221	yes
J-22	gray	4,300	.9	yes

The amount of dust is estimated to be 2,200 lbs..

The sixth floor is clean except for small areas in buildings 7 and 8 where metal plates were removed. Building 12 was used as office space and although it has debris on the floor there are no dusts. The amount of dust is estimated to be 40 lbs..

Conclusions

There are three potential sources of lead contamination found in the dust in buildings 7, 8, and 12:

(1). leaded pigments
(2). ubiquitous lead in lead free pigments
(3). lead from street dust

There are indications that all three are present. Rather than try to further distinguish between the sources of the lead we recommend that all dusts be removed using a vacuum with a HEPA filter. Generally, on floors where the origin of the dust is most likely the street, the amount of dust is very small. Because none of the dusts are pure leaded pigments, we propose to use 55 grams of dust per square meter as the standard for clean. This is also the threshold of visual cleanliness.

The clean up plan for the pipes in the production area requires that workers have access to most of the floors in the buildings 7, 8, and 12. To assure that they are not exposed to a respirable lead hazard the removal of dust to below 55 grams per square meter, would more than offset the slightly higher concentrations found in the dust in the plant as compared to the street dust. In most cases this means that there will be twelve times as much lead in the street as there is in the plant.

sample #	dust g/M2	lead g/M2	ave.lead g/M2	
J-1	40	.03		
J-5	47	.12		
J-6	54	.16		
J-8	40	.16		
J-15	10	.03		
J-18	20	.02	.09	
J-23	725	.87		
J-25	1,938	1.24	1.06	.09/1.06=12

Clean-up Plan for Dust

The dust will be removed using a 15 gallon Hako Minuteman asbestos vacuum (model no. C80315, see attached specification sheet). The vacuum has a total of five filters including a HEPA filter, and will remove particles down to 0.3 microns. This model was selected because of its portability and because the full bags can be easily and safely carried down to the first floor to be placed in 55 gallon drums for disposal.

The workers will be a three man team with level C protection. They will use 3M type 8715 dust and mist respirators. These respirators are approved by NIOSH/MSHA for dusts and mists including asbestos and lead (approval no. TC-21C-361).

This work is estimated to take one week, and will be completed before remedial actions concerning tanks and pipes are started in the production area. The start date will be when the IEPA gives their approval, but could be as early as August 13, 1986.

I-13

If you have any questions please call me at (612) 429-4219 or (612) 429-4755.

Very truly yours,

James A. Kinsey

James A. Kinsey
President

I-14

APPENDIX J

SAMPLE RESULTS FROM IT 1992

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-

ANALYTICAL REPORT

TO: Environmental Protection Agncy
2200 Churchill Road
Springfield IL 62706

ATTN: Mrs. Susan Doubet

DATE: 12/28/88

RE: Valspar Soil Sample X101

Sample Date: 11/04/88
Date Received: 11/07/88
GCL Number: 143935

GCL #	PARAMETERS	ANALYST	RESULTS		
143935	Aluminum, Total	wac	731	mg/kg	d
143935	Antimony, Total	jb	< 1.78	mg/kg	d
143935	Arsenic, Total	rm	< 0.89	mg/kg	d
143935	Barium, Total	wac	16.9	mg/kg	d
14 35	Beryllium, Total	wac	< 0.432	mg/kg	d
143935	Cadmium, Total	wac	< 0.865	mg/kg	d
143935	Calcium, Total	wac	2780	mg/kg	d
143935	Chromium, Total	wac	6.94	mg/kg	d
143935	Cobalt, Total	wac	< 4.32	mg/kg	d
143935	Copper, Total	wac	4.97	mg/kg	d
143935	Iron, Total	wac	2530	mg/kg	d
143935	Lead, Total	wac	29.1	mg/kg	d
143935	Magnesium, Total	wac	1100	mg/kg	d
143935	Manganese, Total	wac	20.8	mg/kg	d
143935	Mercury, Total	nk	< 0.11	mg/kg	d
143935	Nickel, Total	wac	< 4.32	mg/kg	d
143935	Potassium, Total	wac	160	mg/kg	d
4 35	Selenium, Total	rm	< 0.89	mg/kg	d
143935	Silver, Total	wac	< 2.16	mg/kg	d

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-7

ANALYTICAL REPORT

TO: Environmental Protection Agncy
2200 Churchill Road
Springfield IL 62706

ATTN: Mrs. Susan Doubet

DATE: 12/28/88

RE: Valspar Soil Sample X101

Sample Date: 11/04/88
Date Received: 11/07/88
GCL Number: 143935

GCL #	PARAMETERS	ANALYST		RESULTS		
143935	Sodium, Total	wac		50.0	mg/kg	d
143935	Solids, Total	cls		86.6	%	
143935	Thallium, Total	jmf	<	0.89	mg/kg	d
143935	Vanadium, Total	wac		2.64	mg/kg	d
14	35 Zinc, Total	wac		75.4	mg/kg	

J12

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-7

ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X101

Sample Date: 11/04/88
Date Received: 11/07/88
GCL#: 143935

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
Chloromethane	BDL	10	ug/kg	U
Bromomethane	BDL	10	ug/kg	U
Vinyl Chloride	BDL	10	ug/kg	U
Chloroethane	BDL	10	ug/kg	U
Methylene Chloride	15	5	ug/kg	B
Acetone	30	10	ug/kg	B
Carbon Disulfide	BDL	5	ug/kg	U
1,1-Dichloroethene	BDL	5	ug/kg	U
1,1-Dichloroethane	BDL	5	ug/kg	U
1,2-Dichloroethene (total)	BDL	5	ug/kg	U
Chloroform	BDL	5	ug/kg	U
1,2-Dichloroethane	BDL	5	ug/kg	U
2-Butanone	BDL	10	ug/kg	U
1,1,1-Trichloroethane	3	5	ug/kg	J B
Carbon Tetrachloride	BDL	5	ug/kg	U
Vinyl Acetate	BDL	10	ug/kg	U
Bromodichloromethane	BDL	5	ug/kg	U

GULF COAST LABORATORIES, INC.
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ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X101

Sample Date: 11/04/88
Date Received: 11/07/88
GCL#: 143935

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
1,2-Dichloropropane	BDL	5	ug/kg	U
Cis-1,3-Dichloropropene	BDL	5	ug/kg	U
Trichloroethene	BDL	5	ug/kg	U
Dibromochloromethane	BDL	5	ug/kg	U
1,1,2-Trichloroethane	BDL	5	ug/kg	U
Benzene	BDL	5	ug/kg	U
Trans-1,3-Dichloropropene	BDL	5	ug/kg	U
Bromoform	BDL	5	ug/kg	U
4-Methyl-2-Pentanone	BDL	10	ug/kg	U
2-Hexanone	BDL	10	ug/kg	U
Tetrachloroethene	BDL	5	ug/kg	U
1,1,2,2-Tetrachloroethane	BDL	5	ug/kg	U
Toluene	BDL	5	ug/kg	U
Chlorobenzene	BDL	5	ug/kg	U
Ethylbenzene	BDL	5	ug/kg	U
Styrene	BDL	5	ug/kg	U
Xylene	BDL	5	ug/kg	U

GULF COAST LABORATORIES, INC.
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Phones (312) 534-5200 (219) 885-7077 (815) 723-7

ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X101

Sample Date: 11/04/88
Date Received: 11/07/88
GCL#: 143935

TENTATIVELY IDENTIFIED COMPOUNDS

Nine (9) Volatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

VOLATILE COMPOUND	RETENTION TIME	ESTIMATED CONCENTRATION		
Unknown	21.70	22	ug/kg	J
Unknown	22.05	120	ug/kg	J
Unknown Hydrocarbon C8H16	23.09	12	ug/kg	J
Unknown Hydrocarbon C9H18	26.07	42	ug/kg	J
Unknown	26.85	17	ug/kg	J
Unknown Hydrocarbon C9H18	27.50	50	ug/kg	J
Unknown	29.40	43	ug/kg	J
Unknown	30.29	98	ug/kg	J
Unknown	32.18	100	ug/kg	J

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ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X101

Sample Date: 11/04/88
Date Received: 11/07/88
GCL#: 143935

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
Phenol	BDL	330	ug/kg	U
bis(-2-Chloroethyl)Ether	BDL	330	ug/kg	U
2-Chlorophenol	BDL	330	ug/kg	U
1,3-Dichlorobenzene	BDL	330	ug/kg	U
1,4-Dichlorobenzene	BDL	330	ug/kg	U
Benzyl Alcohol	BDL	330	ug/kg	U
1,2-Dichlorobenzene	BDL	330	ug/kg	U
2-Methylphenol	BDL	330	ug/kg	U
bis(2-chloroisopropyl)Ether	BDL	330	ug/kg	U
4-Methylphenol	BDL	330	ug/kg	U
N-Nitroso-Di-n-Propylamine	BDL	330	ug/kg	U
Hexachloroethane	BDL	330	ug/kg	U
Nitrobenzene	BDL	330	ug/kg	U
Isophorone	BDL	330	ug/kg	U
2-Nitrophenol	BDL	330	ug/kg	U
2,4-Dimethylphenol	BDL	330	ug/kg	U
Benzoic Acid	BDL	1600	ug/kg	U

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ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X101

Sample Date: 11/04/88
Date Received: 11/07/88
GCL#: 143935

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
bis(-2-Chloroethoxy)Methane	BDL	330	ug/kg	U
2,4-Dichlorophenol	BDL	330	ug/kg	U
1,2,4-Trichlorobenzene	BDL	330	ug/kg	U
Naphthalene	110	330	ug/kg	J
4-Chloroaniline	BDL	330	ug/kg	U
Hexachlorobutadiene	BDL	330	ug/kg	U
4-Chloro-3-Methylphenol	BDL	330	ug/kg	U
2-Methylnaphthalene	120	330	ug/kg	J
Hexachlorocyclopentadiene	BDL	330	ug/kg	U
2,4,6-Trichlorophenol	BDL	330	ug/kg	U
2,4,5-Trichlorophenol	BDL	1600	ug/kg	U
2-Chloronaphthalene	BDL	330	ug/kg	U
2-Nitroaniline	BDL	1600	ug/kg	U
Dimethyl Phthalate	BDL	330	ug/kg	U
Acenaphthylene	BDL	330	ug/kg	U
2,6-Dinitrotoluene	BDL	330	ug/kg	U
3-Nitroaniline	BDL	1600	ug/kg	U

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ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X101

Sample Date: 11/04/88
Date Received: 11/07/88
GCL#: 143935

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
Acenaphthene	BDL	330	ug/kg	U
2,4-Dinitrophenol	BDL	1600	ug/kg	U
4-Nitrophenol	BDL	1600	ug/kg	U
Dibenzofuran	44	330	ug/kg	J
2,4-Dinitrotoluene	BDL	330	ug/kg	U
Diethylphthalate	BDL	330	ug/kg	U
4-Chlorophenyl-phenylether	BDL	330	ug/kg	U
Fluorene	BDL	330	ug/kg	U
4-Nitroaniline	BDL	1600	ug/kg	U
4,6-Dinitro-2-Methylphenol	BDL	1600	ug/kg	U
N-Nitrosodiphenylamine (1)	BDL	330	ug/kg	U
4-Bromophenyl-phenylether	BDL	330	ug/kg	U
Hexachlorobenzene	BDL	330	ug/kg	U
Pentachlorophenol	BDL	1600	ug/kg	U
Phenanthrene	230	330	ug/kg	J
Anthracene	43	330	ug/kg	J
Di-n-Butylphthalate	BDL	330	ug/kg	U

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-7

ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X101

Sample Date: 11/04/88
Date Received: 11/07/88
GCL#: 143935

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
Fluoranthene	230	330	ug/kg	J
Pyrene	85	330	ug/kg	J
Butylbenzylphthalate	BDL	330	ug/kg	U
3,3'-Dichlorobenzidine	BDL	660	ug/kg	U
Benzo(a)Anthracene	BDL	330	ug/kg	U
Chrysene	BDL	330	ug/kg	U
bis(2-Ethylhexyl)Phthalate	290	330	ug/kg	J B
Di-n-Octylphthalate	BDL	330	ug/kg	U
Benzo(b)Fluoranthene	BDL	330	ug/kg	U
Benzo(k)Fluoranthene	BDL	330	ug/kg	U
Benzo(a)Pyrene	BDL	330	ug/kg	U
Indeno(1,2,3-cd)Pyrene	BDL	330	ug/kg	U
Dibenz(a,h)Anthracene	BDL	330	ug/kg	U
Benzo(g,h,i)Perylene	BDL	330	ug/kg	U

(1) Cannot be separated from diphenylamine

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-

ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X101

Sample Date: 11/04/88
Date Received: 11/07/88
GCL#: 143935

TENTATIVELY IDENTIFIED COMPOUNDS

Twenty (20) Semivolatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

SEMIVOLATILE COMPOUND	RETENTION TIME	ESTIMATED CONCENTRATION		
Unknown	6.40	1400	ug/kg	J A
Unknown	14.07	510	ug/kg	J
Unknown	14.87	430	ug/kg	J
Unknown Hydrocarbon	15.28	700	ug/kg	J
Unknown	15.85	670	ug/kg	J
Unknown Hydrocarbon	16.03	420	ug/kg	J
Unknown	16.44	1100	ug/kg	J
Unknown	17.01	590	ug/kg	J
Unknown Aromatic Hydrocarbon	17.40	510	ug/kg	J
Substituted Indene	17.65	700	ug/kg	J

GULF COAST LABORATORIES, INC.
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ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X101

Sample Date: 11/04/88
Date Received: 11/07/88
GCL#: 143935

TENTATIVELY IDENTIFIED COMPOUNDS

SEMIVOLATILE COMPOUND	RETENTION TIME	ESTIMATED CONCENTRATION		
Unknown	17.85	1000	ug/kg	J
Substituted Naphthalene	19.10	750	ug/kg	J
Substituted Naphthalene	19.36	870	ug/kg	J
Unknown	19.67	520	ug/kg	J
Unknown Hydrocarbon	19.81	550	ug/kg	J
Unknown	28.33	1300	ug/kg	J
Unknown	28.66	4300	ug/kg	J
Unknown	29.30	890	ug/kg	J
Unknown	30.24	700	ug/kg	J
Unknown Aromatic Hydrocarbon	30.79	1800	ug/kg	J

J21

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-7

ANALYTICAL REPORT

TO: Environmental Protection Agncy
2200 Churchill Road
Springfield IL 62706

DATE: 12/28/88

RE: Valspar Soil Sample X102

ATTN: Mrs. Susan Doubet

Sample Date: 11/05/88
Date Received: 11/07/88
GCL Number: 143936

GCL #	PARAMETERS	ANALYST	RESULTS			
143936	Aluminum, Total	wac		795	mg/kg	d
143936	Antimony, Total	jb	<	1.49	mg/kg	d
143936	Arsenic, Total	rm	<	0.89	mg/kg	dR
143936	Barium, Total	wac		122	mg/kg	d
143936	Beryllium, Total	wac	<	0.461	mg/kg	
143936	Cadmium, Total	wac		1.59	mg/kg	d
143936	Calcium, Total	wac		5250	mg/kg	d
143936	Chromium, Total	wac		26.6	mg/kg	d
143936	Cobalt, Total	wac	<	4.61	mg/kg	d
143936	Copper, Total	wac		11.0	mg/kg	d
143936	Iron, Total	wac		4460	mg/kg	d
143936	Lead, Total	wac		256	mg/kg	d
143936	Magnesium, Total	wac		2300	mg/kg	d
143936	Manganese, Total	wac		47.8	mg/kg	d
143936	Mercury, Total	nk		0.17	mg/kg	d
143936	Nickel, Total	wac	<	4.61	mg/kg	d
143936	Potassium, Total	wac		170	mg/kg	d
143936	Selenium, Total	rm	<	0.89	mg/kg	
143936	Silver, Total	wac	<	2.30	mg/kg	d

GULF COAST LABORATORIES, INC.
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ANALYTICAL REPORT

TO: Environmental Protection Agncy
2200 Churchill Road
Springfield IL 62706

ATTN: Mrs. Susan Doubet

DATE: 12/28/88

RE: Valspar Soil Sample X102

Sample Date: 11/05/88
Date Received: 11/07/88
GCL Number: 143936

GCL #	PARAMETERS	ANALYST	RESULTS		
143936	Sodium, Total	wac	72.9	mg/kg	d
143936	Solids, Total	cls	83.9	%	
143936	Thallium, Total	jmf	1.47	mg/kg	d
143936	Vanadium, Total	wac	2.38	mg/kg	d
4	36 Zinc, Total	wac	168	mg/kg	d

GULF COAST LABORATORIES, INC.
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ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X102

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143936

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
Chloromethane	BDL	50	ug/kg	U
Bromomethane	BDL	50	ug/kg	U
Vinyl Chloride	BDL	50	ug/kg	U
Chloroethane	BDL	50	ug/kg	U
Methylene Chloride	31	25	ug/kg	B
Acetone	100	50	ug/kg	B
Carbon Disulfide	BDL	25	ug/kg	U
1,1-Dichloroethene	BDL	25	ug/kg	U
1,1-Dichloroethane	BDL	25	ug/kg	U
1,2-Dichloroethene (total)	BDL	25	ug/kg	U
Chloroform	BDL	25	ug/kg	U
1,2-Dichloroethane	BDL	25	ug/kg	U
2-Butanone	BDL	50	ug/kg	U
1,1,1-Trichloroethane	BDL	25	ug/kg	U
Carbon Tetrachloride	BDL	25	ug/kg	U
Vinyl Acetate	BDL	50	ug/kg	U
Bromodichloromethane	BDL	25	ug/kg	U

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-7

ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X102

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143936

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
1,2-Dichloropropane	BDL	25	ug/kg	U
Cis-1,3-Dichloropropene	BDL	25	ug/kg	U
Trichloroethene	BDL	25	ug/kg	U
Dibromochloromethane	BDL	25	ug/kg	U
1,1,2-Trichloroethane	BDL	25	ug/kg	U
Benzene	BDL	25	ug/kg	U
Trans-1,3-Dichloropropene	BDL	25	ug/kg	U
Bromoform	BDL	25	ug/kg	U
4-Methyl-2-Pentanone	BDL	50	ug/kg	U
2-Hexanone	BDL	50	ug/kg	U
Tetrachloroethene	BDL	25	ug/kg	U
1,1,2,2-Tetrachloroethane	BDL	25	ug/kg	U
Toluene	BDL	25	ug/kg	U
Chlorobenzene	BDL	25	ug/kg	U
Ethylbenzene	130	25	ug/kg	
Styrene	BDL	25	ug/kg	U
Xylene	2700	25	ug/kg	e

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-

ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X102

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143936

TENTATIVELY IDENTIFIED COMPOUNDS

Ten (10) Volatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

VOLATILE COMPOUND	RETENTION TIME	ESTIMATED CONCENTRATION		
Unknown Hydrocarbon	19.69	14000	ug/kg	J
Unknown Hydrocarbon	21.70	15000	ug/kg	J
Unknown Hydrocarbon	23.13	8700	ug/kg	J
Unknown Hydrocarbon	24.45	19000	ug/kg	J
Unknown Hydrocarbon C8H16	24.87	9100	ug/kg	J
Unknown Hydrocarbon	26.08	28000	ug/kg	J
Unknown Hydrocarbon	26.85	15000	ug/kg	J
Unknown Hydrocarbon	27.51	22000	ug/kg	J
Unknown Hydrocarbon	28.29	22000	ug/kg	J
Unknown Hydrocarbon	30.26	48000	ug/kg	J

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
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ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X102

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143936 DL

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
Xylene	480	250	ug/kg	D J

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GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-

ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X102

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143936

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
Phenol	BDL	330	ug/kg	U
bis(-2-Chloroethyl)Ether	BDL	330	ug/kg	U
2-Chlorophenol	BDL	330	ug/kg	U
1,3-Dichlorobenzene	BDL	330	ug/kg	U
1,4-Dichlorobenzene	BDL	330	ug/kg	U
Benzyl Alcohol	BDL	330	ug/kg	U
1,2-Dichlorobenzene	BDL	330	ug/kg	U
2-Methylphenol	BDL	330	ug/kg	U
bis(2-chloroisopropyl)Ether	BDL	330	ug/kg	U
4-Methylphenol	BDL	330	ug/kg	U
N-Nitroso-Di-n-Propylamine	BDL	330	ug/kg	U
Hexachloroethane	BDL	330	ug/kg	U
Nitrobenzene	BDL	330	ug/kg	U
Isophorone	BDL	330	ug/kg	U
2-Nitrophenol	BDL	330	ug/kg	U
2,4-Dimethylphenol	BDL	330	ug/kg	U
Benzoic Acid	BDL	1600	ug/kg	U

GULF COAST LABORATORIES, INC.
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ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X102

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143936

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
bis(-2-Chloroethoxy)Methane	BDL	330	ug/kg	U
2,4-Dichlorophenol	BDL	330	ug/kg	U
1,2,4-Trichlorobenzene	BDL	330	ug/kg	U
Naphthalene	BDL	330	ug/kg	U
4-Chloroaniline	BDL	330	ug/kg	U
Hexachlorobutadiene	BDL	330	ug/kg	U
4-Chloro-3-Methylphenol	BDL	330	ug/kg	U
2-Methylnaphthalene	300	330	ug/kg	J
Hexachlorocyclopentadiene	BDL	330	ug/kg	U
2,4,6-Trichlorophenol	BDL	330	ug/kg	U
2,4,5-Trichlorophenol	BDL	1600	ug/kg	U
2-Chloronaphthalene	BDL	330	ug/kg	U
2-Nitroaniline	BDL	1600	ug/kg	U
Dimethyl Phthalate	BDL	330	ug/kg	U
Acenaphthylene	BDL	330	ug/kg	U
2,6-Dinitrotoluene	BDL	330	ug/kg	U
3-Nitroaniline	BDL	1600	ug/kg	U

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ANALYTICAL REPORT

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2200 Churchill Road
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ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X102

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143936

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
Acenaphthene	BDL	330	ug/kg	U
2,4-Dinitrophenol	BDL	1600	ug/kg	U
4-Nitrophenol	BDL	1600	ug/kg	U
Dibenzofuran	BDL	330	ug/kg	U
2,4-Dinitrotoluene	BDL	330	ug/kg	U
Diethylphthalate	BDL	330	ug/kg	U
4-Chlorophenyl-phenylether	BDL	330	ug/kg	U
Fluorene	BDL	330	ug/kg	U
4-Nitroaniline	BDL	1600	ug/kg	U
4,6-Dinitro-2-Methylphenol	BDL	1600	ug/kg	U
N-Nitrosodiphenylamine (1)	BDL	330	ug/kg	U
4-Bromophenyl-phenylether	BDL	330	ug/kg	U
Hexachlorobenzene	BDL	330	ug/kg	U
Pentachlorophenol	BDL	1600	ug/kg	U
Phenanthrene	110	330	ug/kg	J
Anthracene	BDL	330	ug/kg	U
Di-n-Butylphthalate	BDL	330	ug/kg	U

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2200 Churchill Road
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ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X102

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143936

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
Fluoranthene	94	330	ug/kg	J
Pyrene	110	330	ug/kg	J
Butylbenzylphthalate	BDL	330	ug/kg	U
3,3'-Dichlorobenzidine	BDL	660	ug/kg	U
Benzo(a)Anthracene	77	330	ug/kg	J
Chrysene	72	330	ug/kg	J
bis(2-Ethylhexyl)Phthalate	260	330	ug/kg	J B
Di-n-Octylphthalate	BDL	330	ug/kg	U
Benzo(b)Fluoranthene	BDL	330	ug/kg	U
Benzo(k)Fluoranthene	BDL	330	ug/kg	U
Benzo(a)Pyrene	BDL	330	ug/kg	U
Indeno(1,2,3-cd)Pyrene	BDL	330	ug/kg	U
Dibenz(a,h)Anthracene	BDL	330	ug/kg	U
Benzo(g,h,i)Perylene	BDL	330	ug/kg	U

(1) Cannot be separated from diphenylamine

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
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ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X102

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143936

TENTATIVELY IDENTIFIED COMPOUNDS

Twenty (20) Semivolatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

SEMIVOLATILE COMPOUND	RETENTION TIME	ESTIMATED CONCENTRATION		
Unknown Hydrocarbon	9.03	5100	ug/kg	J
Unknown	9.44	2700	ug/kg	J
Unknown Hydrocarbon	9.56	3400	ug/kg	J
Unknown	9.91	2900	ug/kg	J
Unknown	10.20	6700	ug/kg	J
Unknown + ISTD	10.87	4600	ug/kg	J
Unknown Hydrocarbon	11.18	13000	ug/kg	J
Unknown	11.44	5000	ug/kg	J
Unknown	11.99	5700	ug/kg	J
Unknown	12.48	4200	ug/kg	J

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ANALYTICAL REPORT

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2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X102

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143936

TENTATIVELY IDENTIFIED COMPOUNDS

SEMIVOLATILE COMPOUND	RETENTION TIME	ESTIMATED CONCENTRATION		
Unknown	12.67	3000	ug/kg	J
Unknown	12.93	2800	ug/kg	J
Unknown	13.32	6000	ug/kg	J
Unknown Hydrocarbon	13.56	2400	ug/kg	J
Unknown	13.67	3300	ug/kg	J
Unknown	14.14	4700	ug/kg	J
Unknown + ISTD	14.83	5300	ug/kg	J
Unknown Hydrocarbon	15.34	4300	ug/kg	J
Unknown	15.87	2400	ug/kg	J
Unknown	16.45	2600	ug/kg	J

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
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ANALYTICAL REPORT

TO: Environmental Protection Agncy
2200 Churchill Road
Springfield IL 62706

ATTN: Mrs. Susan Doubet

DATE: 12/28/88

RE: Valspar Soil Sample X103

Sample Date: 11/05/88
Date Received: 11/07/88
GCL Number: 143937

GCL #	PARAMETERS	ANALYST		RESULTS		
143937	Aluminum, Total	wac		599	mg/kg	d
143937	Antimony, Total	jb	<	1.55	mg/kg	d
143937	Arsenic, Total	rm	<	0.93	mg/kg	d
143937	Barium, Total	wac	<	11.6	mg/kg	d
14 37	Beryllium, Total	wac	<	0.465	mg/kg	F
143937	Cadmium, Total	wac	<	0.930	mg/kg	u
143937	Calcium, Total	wac		335	mg/kg	d
143937	Chromium, Total	wac		6.18	mg/kg	d
143937	Cobalt, Total	wac	<	4.65	mg/kg	d
143937	Copper, Total	wac	<	4.65	mg/kg	d
143937	Iron, Total	wac		1340	mg/kg	d
143937	Lead, Total	jb		10.05	mg/kg	d
143937	Magnesium, Total	wac		205	mg/kg	d
143937	Manganese, Total	wac		11.8	mg/kg	d
143937	Mercury, Total	nk	<	0.12	mg/kg	d
143937	Nickel, Total	wac	<	4.65	mg/kg	d
143937	Potassium, Total	wac		131	mg/kg	d
1 37	Selenium, Total	rm	<	0.93	mg/kg	
143937	Silver, Total	wac	<	2.32	mg/kg	d

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ANALYTICAL REPORT

TO: Environmental Protection Agncy
2200 Churchill Road
Springfield IL 62706

ATTN: Mrs. Susan Doubet

DATE: 12/28/88

RE: Valspar Soil Sample X103

Sample Date: 11/05/88
Date Received: 11/07/88
GCL Number: 143937

GCL #	PARAMETERS	ANALYST	RESULTS		
143937	Sodium, Total	wac	58.1	mg/kg	d
143937	Solids, Total	cls	83.5	%	
143937	Thallium, Total	jmf	1.56	mg/kg	d
143937	Vanadium, Total	wac	< 2.32	mg/kg	d
143937	Zinc, Total	wac	15.5	mg/kg	d*

GULF COAST LABORATORIES, INC.
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ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X103

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143937

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
Chloromethane	BDL	5000	ug/kg	U
Bromomethane	BDL	5000	ug/kg	U
Vinyl Chloride	BDL	5000	ug/kg	U
Chloroethane	BDL	5000	ug/kg	U
Methylene Chloride	20000	2500	ug/kg	
Acetone	11000	5000	ug/kg	B
Carbon Disulfide	BDL	2500	ug/kg	U
1,1-Dichloroethene	BDL	2500	ug/kg	U
1,1-Dichloroethane	BDL	2500	ug/kg	U
1,2-Dichloroethene (total)	BDL	2500	ug/kg	U
Chloroform	BDL	2500	ug/kg	U
1,2-Dichloroethane	BDL	2500	ug/kg	U
2-Butanone	1700	5000	ug/kg	J B
1,1,1-Trichloroethane	BDL	2500	ug/kg	U
Carbon Tetrachloride	BDL	2500	ug/kg	U
Vinyl Acetate	BDL	5000	ug/kg	U
Bromodichloromethane	BDL	2500	ug/kg	U

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ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X103

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143937

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
1,2-Dichloropropane	BDL	2500	ug/kg	U
Cis-1,3-Dichloropropene	BDL	2500	ug/kg	U
Trichloroethene	BDL	2500	ug/kg	U
Dibromochloromethane	BDL	2500	ug/kg	U
1,1,2-Trichloroethane	BDL	2500	ug/kg	U
Benzene	BDL	2500	ug/kg	U
Trans-1,3-Dichloropropene	BDL	2500	ug/kg	U
Bromoform	BDL	2500	ug/kg	U
4-Methyl-2-Pentanone	BDL	5000	ug/kg	U
2-Hexanone	BDL	5000	ug/kg	U
Tetrachloroethene	BDL	2500	ug/kg	U
1,1,2,2-Tetrachloroethane	BDL	2500	ug/kg	U
Toluene	BDL	2500	ug/kg	U
Chlorobenzene	BDL	2500	ug/kg	U
Ethylbenzene	1300	2500	ug/kg	J
Styrene	BDL	2500	ug/kg	U
Xylene	BDL	2500	ug/kg	U

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ANALYTICAL REPORT

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ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X103

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143937

TENTATIVELY IDENTIFIED COMPOUNDS

Ten (10) Volatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

VOLATILE COMPOUND	RETENTION TIME	ESTIMATED CONCENTRATION		
1,1,2-TrichlorotrifluoroEt.	8.18	23000	ug/kg	J
Methylcyclohexane	15.84	6200	ug/kg	J
Unknown Hydrocarbon	19.91	9600	ug/kg	J
Unknown	21.75	12000	ug/kg	J
Unknown Hydrocarbon	22.46	15000	ug/kg	J
Dimethyloctane	23.01	15000	ug/kg	J
Unknown C8H18	23.18	13000	ug/kg	J
Unknown	24.16	16000	ug/kg	J
Unknown	24.97	15000	ug/kg	J
Unknown C11H24	25.73	22000	ug/kg	J

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ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X103

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143937

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
Phenol	BDL	330	ug/kg	U
bis(-2-Chloroethyl)Ether	BDL	330	ug/kg	U
2-Chlorophenol	BDL	330	ug/kg	U
1,3-Dichlorobenzene	BDL	330	ug/kg	U
1,4-Dichlorobenzene	BDL	330	ug/kg	U
Benzyl Alcohol	BDL	330	ug/kg	U
1,2-Dichlorobenzene	BDL	330	ug/kg	U
2-Methylphenol	BDL	330	ug/kg	U
bis(2-chloroisopropyl)Ether	BDL	330	ug/kg	U
4-Methylphenol	BDL	330	ug/kg	U
N-Nitroso-Di-n-Propylamine	BDL	330	ug/kg	U
Hexachloroethane	BDL	330	ug/kg	U
Nitrobenzene	BDL	330	ug/kg	U
Isophorone	BDL	330	ug/kg	U
2-Nitrophenol	BDL	330	ug/kg	U
2,4-Dimethylphenol	BDL	330	ug/kg	U
Benzoic Acid	BDL	1600	ug/kg	U

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ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X103

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143937

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
bis(-2-Chloroethoxy)Methane	BDL	330	ug/kg	U
2,4-Dichlorophenol	BDL	330	ug/kg	U
1,2,4-Trichlorobenzene	BDL	330	ug/kg	U
Naphthalene	180	330	ug/kg	J
4-Chloroaniline	BDL	330	ug/kg	U
Hexachlorobutadiene	BDL	330	ug/kg	U
4-Chloro-3-Methylphenol	BDL	330	ug/kg	U
2-Methylnaphthalene	200	330	ug/kg	J
Hexachlorocyclopentadiene	BDL	330	ug/kg	U
2,4,6-Trichlorophenol	BDL	330	ug/kg	U
2,4,5-Trichlorophenol	BDL	1600	ug/kg	U
2-Chloronaphthalene	BDL	330	ug/kg	U
2-Nitroaniline	BDL	1600	ug/kg	U
Dimethyl Phthalate	BDL	330	ug/kg	U
Acenaphthylene	BDL	330	ug/kg	U
2,6-Dinitrotoluene	BDL	330	ug/kg	U
3-Nitroaniline	BDL	1600	ug/kg	U

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ANALYTICAL REPORT

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ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X103

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143937

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
Acenaphthene	BDL	330	ug/kg	U
2,4-Dinitrophenol	BDL	1600	ug/kg	U
4-Nitrophenol	BDL	1600	ug/kg	U
Dibenzofuran	BDL	330	ug/kg	U
2,4-Dinitrotoluene	BDL	330	ug/kg	U
Diethylphthalate	BDL	330	ug/kg	U
4-Chlorophenyl-phenylether	BDL	330	ug/kg	U
Fluorene	BDL	330	ug/kg	U
4-Nitroaniline	BDL	1600	ug/kg	U
4,6-Dinitro-2-Methylphenol	BDL	1600	ug/kg	U
N-Nitrosodiphenylamine (1)	BDL	330	ug/kg	U
4-Bromophenyl-phenylether	BDL	330	ug/kg	U
Hexachlorobenzene	BDL	330	ug/kg	U
Pentachlorophenol	BDL	1600	ug/kg	U
Phenanthrene	63	330	ug/kg	J
Anthracene	BDL	330	ug/kg	U
Di-n-Butylphthalate	56	330	ug/kg	J

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DATE: December 6, 1988

RE: Valspar Soil Sample X103

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143937

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
Fluoranthene	44	330	ug/kg	J
Pyrene	BDL	330	ug/kg	U
Butylbenzylphthalate	BDL	330	ug/kg	U
3,3'-Dichlorobenzidine	BDL	660	ug/kg	U
Benzo(a)Anthracene	BDL	330	ug/kg	U
Chrysene	BDL	330	ug/kg	U
bis(2-Ethylhexyl)Phthalate	450	330	ug/kg	B
Di-n-Octylphthalate	BDL	330	ug/kg	U
Benzo(b)Fluoranthene	BDL	330	ug/kg	U
Benzo(k)Fluoranthene	BDL	330	ug/kg	U
Benzo(a)Pyrene	BDL	330	ug/kg	U
Indeno(1,2,3-cd)Pyrene	BDL	330	ug/kg	U
Dibenz(a,h)Anthracene	BDL	330	ug/kg	U
Benzo(g,h,i)Perylene	BDL	330	ug/kg	U

(1) Cannot be separated from diphenylamine

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
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ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
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ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X103

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143937

TENTATIVELY IDENTIFIED COMPOUNDS

Twenty (20) Semivolatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

SEMIVOLATILE COMPOUND	RETENTION TIME	ESTIMATED CONCENTRATION		
Unknown	6.41	2300	ug/kg	J A
Unknown Hydrocarbon	9.02	2200	ug/kg	J
Unknown Hydrocarbon	9.55	2300	ug/kg	J
Substituted Benzene	10.42	3200	ug/kg	J
Unknown + ISTD	10.85	3300	ug/kg	J
Unknown Hydrocarbon	11.16	9100	ug/kg	J
Unknown Hydrocarbon	11.45	12000	ug/kg	J
Unknown Hydrocarbon	11.96	12000	ug/kg	J
Unknown Hydrocarbon	12.14	4000	ug/kg	J
Unknown Hydrocarbon	12.45	5700	ug/kg	J

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-7

ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X103

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143937

TENTATIVELY IDENTIFIED COMPOUNDS

SEMIVOLATILE COMPOUND	RETENTION TIME	ESTIMATED CONCENTRATION		
Unknown	12.92	2100	ug/kg	J
Unknown	13.30	3400	ug/kg	J
Unknown	13.47	2600	ug/kg	J
Unknown	13.65	2200	ug/kg	J
Unknown	13.75	2400	ug/kg	J
Unknown	14.12	4000	ug/kg	J
Unknown Hydrocarbon	14.39	4600	ug/kg	J
Unknown Hydrocarbon	14.45	3600	ug/kg	J
Unknown + ISTD	14.82	3200	ug/kg	J
Unknown Hydrocarbon	15.33	2600	ug/kg	J

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-7

ANALYTICAL REPORT

TO: Environmental Protection Agncy
2200 Churchill Road
Springfield IL 62706

DATE: 12/28/88

RE: Valspar Soil Sample X104

ATTN: Mrs. Susan Doubet

Sample Date: 11/05/88
Date Received: 11/07/88
GCL Number: 143938

GCL #	PARAMETERS	ANALYST		RESULTS		
143938	Aluminum, Total	wac		590	mg/kg	d
143938	Antimony, Total	jb	<	1.83	mg/kg	d
143938	Arsenic, Total	rm	<	0.92	mg/kg	dF
143938	Barium, Total	wac	<	12.1	mg/kg	d
38	Beryllium, Total	wac	<	0.486	mg/kg	F
143938	Cadmium, Total	wac	<	0.972	mg/kg	a
143938	Calcium, Total	wac		922	mg/kg	d
143938	Chromium, Total	wac		6.19	mg/kg	d
143938	Cobalt, Total	wac	<	4.86	mg/kg	d
143938	Copper, Total	wac	<	4.85	mg/kg	d
143938	Iron, Total	wac		1190	mg/kg	d
143938	Lead, Total	jb		2.08	mg/kg	de
143938	Magnesium, Total	wac		420	mg/kg	d
143938	Manganese, Total	wac		10.8	mg/kg	d
143938	Mercury, Total	nk	<	0.13	mg/kg	d
143938	Nickel, Total	wac	<	4.86	mg/kg	d
143938	Potassium, Total	wac		136	mg/kg	d
938	Selenium, Total	rm	<	0.92	mg/kg	
143938	Silver, Total	wac	<	2.43	mg/kg	d

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GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-7

ANALYTICAL REPORT

TO: Environmental Protection Agncy
2200 Churchill Road
Springfield IL 62706

ATTN: Mrs. Susan Doubet

DATE: 12/28/88

RE: Valspar Soil Sample X104

Sample Date: 11/05/88
Date Received: 11/07/88
GCL Number: 143938

GCL #	PARAMETERS	ANALYST		RESULTS		
143938	Sodium, Total	wac		48.7	mg/kg	d
143938	Solids, Total	cls		79.6	%	
143938	Thallium, Total	jmf	<	0.91	mg/kg	d
143938	Vanadium, Total	wac	<	2.43	mg/kg	d
38	Zinc, Total	wac		12.5	mg/kg	d*

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GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-7

ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X104

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143938

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
Chloromethane	BDL	100	ug/kg	U
Bromomethane	BDL	100	ug/kg	U
Vinyl Chloride	BDL	100	ug/kg	U
Chloroethane	BDL	100	ug/kg	U
Methylene Chloride	440	50	ug/kg	
Acetone	240	100	ug/kg	B
Carbon Disulfide	BDL	50	ug/kg	U
1,1-Dichloroethene	BDL	50	ug/kg	U
1,1-Dichloroethane	BDL	50	ug/kg	U
1,2-Dichloroethene (total)	BDL	50	ug/kg	U
Chloroform	BDL	50	ug/kg	U
1,2-Dichloroethane	BDL	50	ug/kg	U
2-Butanone	19	100	ug/kg	J B
1,1,1-Trichloroethane	BDL	50	ug/kg	U
Carbon Tetrachloride	BDL	50	ug/kg	U
Vinyl Acetate	BDL	100	ug/kg	U
Bromodichloromethane	BDL	50	ug/kg	U

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ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X104

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143938

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
1,2-Dichloropropane	BDL	50	ug/kg	U
Cis-1,3-Dichloropropene	BDL	50	ug/kg	U
Trichloroethene	BDL	50	ug/kg	U
Dibromochloromethane	BDL	50	ug/kg	U
1,1,2-Trichloroethane	BDL	50	ug/kg	U
Benzene	BDL	50	ug/kg	U
Trans-1,3-Dichloropropene	BDL	50	ug/kg	U
Bromoform	BDL	50	ug/kg	U
4-Methyl-2-Pentanone	BDL	100	ug/kg	U
2-Hexanone	BDL	100	ug/kg	U
Tetrachloroethene	BDL	50	ug/kg	U
1,1,2,2-Tetrachloroethane	BDL	50	ug/kg	U
Toluene	BDL	50	ug/kg	U
Chlorobenzene	BDL	50	ug/kg	U
Ethylbenzene	BDL	50	ug/kg	U
Styrene	BDL	50	ug/kg	U
Xylene	BDL	50	ug/kg	U

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ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X104

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143938

TENTATIVELY IDENTIFIED COMPOUNDS

Ten (10) Volatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

VOLATILE COMPOUND	RETENTION TIME	ESTIMATED CONCENTRATION		
Unknown Hydrocarbon	10.74	140	ug/kg	J
Unknown C9H18	22.42	220	ug/kg	J
Unknown	22.95	90	ug/kg	J
Unknown	23.20	81	ug/kg	J
Unknown C10H22	23.28	160	ug/kg	J
Unknown Hydrocarbon	24.13	240	ug/kg	J
Unknown C3H5C13	24.28	160	ug/kg	J
Unknown	24.99	130	ug/kg	J
Unknown Hydrocarbon	25.26	76	ug/kg	J
Unknown	25.67	200	ug/kg	J

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ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X104

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143938

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
Phenol	BDL	330	ug/kg	U
bis(-2-Chloroethyl)Ether	BDL	330	ug/kg	U
2-Chlorophenol	BDL	330	ug/kg	U
1,3-Dichlorobenzene	BDL	330	ug/kg	U
1,4-Dichlorobenzene	BDL	330	ug/kg	U
Benzyl Alcohol	BDL	330	ug/kg	U
1,2-Dichlorobenzene	BDL	330	ug/kg	U
2-Methylphenol	BDL	330	ug/kg	U
bis(2-chloroisopropyl)Ether	BDL	330	ug/kg	U
4-Methylphenol	BDL	330	ug/kg	U
N-Nitroso-Di-n-Propylamine	BDL	330	ug/kg	U
Hexachloroethane	BDL	330	ug/kg	U
Nitrobenzene	BDL	330	ug/kg	U
Isophorone	BDL	330	ug/kg	U
2-Nitrophenol	BDL	330	ug/kg	U
2,4-Dimethylphenol	BDL	330	ug/kg	U
Benzoic Acid	BDL	1600	ug/kg	U

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ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X104

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143938

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
bis(-2-Chloroethoxy)Methane	BDL	330	ug/kg	U
2,4-Dichlorophenol	BDL	330	ug/kg	U
1,2,4-Trichlorobenzene	BDL	330	ug/kg	U
Naphthalene	BDL	330	ug/kg	U
4-Chloroaniline	BDL	330	ug/kg	U
Hexachlorobutadiene	BDL	330	ug/kg	U
4-Chloro-3-Methylphenol	BDL	330	ug/kg	U
2-Methylnaphthalene	BDL	330	ug/kg	U
Hexachlorocyclopentadiene	BDL	330	ug/kg	U
2,4,6-Trichlorophenol	BDL	330	ug/kg	U
2,4,5-Trichlorophenol	BDL	1600	ug/kg	U
2-Chloronaphthalene	BDL	330	ug/kg	U
2-Nitroaniline	BDL	1600	ug/kg	U
Dimethyl Phthalate	BDL	330	ug/kg	U
Acenaphthylene	BDL	330	ug/kg	U
2,6-Dinitrotoluene	BDL	330	ug/kg	U
3-Nitroaniline	BDL	1600	ug/kg	U

GULF COAST LABORATORIES, INC.
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ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X104

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143938

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
Fluoranthene	BDL	330	ug/kg	U
Pyrene	BDL	330	ug/kg	U
Butylbenzylphthalate	BDL	330	ug/kg	U
3,3'-Dichlorobenzidine	BDL	660	ug/kg	U
Benzo(a)Anthracene	BDL	330	ug/kg	U
Chrysene	BDL	330	ug/kg	U
bis(2-Ethylhexyl)Phthalate	370	330	ug/kg	B
Di-n-Octylphthalate	BDL	330	ug/kg	U
Benzo(b)Fluoranthene	BDL	330	ug/kg	U
Benzo(k)Fluoranthene	BDL	330	ug/kg	U
Benzo(a)Pyrene	BDL	330	ug/kg	U
Indeno(1,2,3-cd)Pyrene	BDL	330	ug/kg	U
Dibenz(a,h)Anthracene	BDL	330	ug/kg	U
Benzo(g,h,i)Perylene	BDL	330	ug/kg	U

(1) Cannot be separated from diphenylamine

GULF COAST LABORATORIES, INC.
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ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X104

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143938

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
Acenaphthene	BDL	330	ug/kg	U
2,4-Dinitrophenol	BDL	1600	ug/kg	U
4-Nitrophenol	BDL	1600	ug/kg	U
Dibenzofuran	BDL	330	ug/kg	U
2,4-Dinitrotoluene	BDL	330	ug/kg	U
Diethylphthalate	BDL	330	ug/kg	U
4-Chlorophenyl-phenylether	BDL	330	ug/kg	U
Fluorene	BDL	330	ug/kg	U
4-Nitroaniline	BDL	1600	ug/kg	U
4,6-Dinitro-2-Methylphenol	BDL	1600	ug/kg	U
N-Nitrosodiphenylamine (1)	BDL	330	ug/kg	U
4-Bromophenyl-phenylether	BDL	330	ug/kg	U
Hexachlorobenzene	BDL	330	ug/kg	U
Pentachlorophenol	BDL	1600	ug/kg	U
Phenanthrene	BDL	330	ug/kg	U
Anthracene	BDL	330	ug/kg	U
Di-n-Butylphthalate	BDL	330	ug/kg	U

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-7

ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X104

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143938

TENTATIVELY IDENTIFIED COMPOUNDS

Seven (7) Semivolatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

SEMIVOLATILE COMPOUND	RETENTION TIME	ESTIMATED CONCENTRATION		
Unknown	6.39	700	ug/kg	J A
Unknown Hydrocarbon	23.44	260	ug/kg	J
Hexadecanoic Acid	27.16	170	ug/kg	J
Unknown	28.49	1100	ug/kg	J B
Unknown	31.98	210	ug/kg	J
Unknown Acid Ester	32.29	170	ug/kg	J
Unknown	36.45	720	ug/kg	J B

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
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ANALYTICAL REPORT

TO: Environmental Protection Agncy
2200 Churchill Road
Springfield IL 62706

ATTN: Mrs. Susan Doubet

DATE: 12/28/88

RE: Valspar Soil Sample X105

Sample Date: 11/05/88
Date Received: 11/07/88
GCL Number: 143939

GCL #	PARAMETERS	ANALYST	RESULTS		
143939	Aluminum, Total	wac	527	mg/kg	d
143939	Antimony, Total	jb	< 1.89	mg/kg	d
143939	Arsenic, Total	rm	< 0.94	mg/kg	dI
143939	Barium, Total	wac	< 11.5	mg/kg	d
1 39	Beryllium, Total	wac	< 0.460	mg/kg	I
143939	Cadmium, Total	wac	< 0.920	mg/kg	d
143939	Calcium, Total	wac	853	mg/kg	d
143939	Chromium, Total	wac	5.61	mg/kg	d
143939	Cobalt, Total	wac	< 4.60	mg/kg	d
143939	Copper, Total	wac	< 4.60	mg/kg	d
143939	Iron, Total	wac	1280	mg/kg	d
143939	Lead, Total	jb	6.33	mg/kg	d
143939	Magnesium, Total	wac	381	mg/kg	d
143939	Manganese, Total	wac	12.2	mg/kg	d
143939	Mercury, Total	nk	< 0.12	mg/kg	d
143939	Nickel, Total	wac	< 4.60	mg/kg	d
143939	Potassium, Total	wac	127	mg/kg	d
1 939	Selenium, Total	rm	< 0.94	mg/kg	
143939	Silver, Total	wac	< 2.30	mg/kg	d

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GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-7

ANALYTICAL REPORT

TO: Environmental Protection Agncy
2200 Churchill Road
Springfield IL 62706

ATTN: Mrs. Susan Doubet

DATE: 12/28/88

RE: Valspar Soil Sample X105

Sample Date: 11/05/88
Date Received: 11/07/88
GCL Number: 143939

GCL #	PARAMETERS	ANALYST		RESULTS		
143939	Sodium, Total	wac		41.8	mg/kg	d
143939	Solids, Total	cls		80.7	%	
143939	Thallium, Total	jmf	<	0.94	mg/kg	d
143939	Vanadium, Total	wac	<	2.30	mg/kg	d
39	Zinc, Total	wac		13.5	mg/kg	d*

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GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-

ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X105

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143939

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
Chloromethane	BDL	1000	ug/kg	U
Bromomethane	BDL	1000	ug/kg	U
Vinyl Chloride	BDL	1000	ug/kg	U
Chloroethane	BDL	1000	ug/kg	U
Methylene Chloride	170	500	ug/kg	J B
Acetone	570	1000	ug/kg	J B
Carbon Disulfide	BDL	500	ug/kg	U
1,1-Dichloroethene	BDL	500	ug/kg	U
1,1-Dichloroethane	BDL	500	ug/kg	U
1,2-Dichloroethene (total)	BDL	500	ug/kg	U
Chloroform	BDL	500	ug/kg	U
1,2-Dichloroethane	BDL	500	ug/kg	U
2-Butanone	310	1000	ug/kg	J B
1,1,1-Trichloroethane	BDL	500	ug/kg	U
Carbon Tetrachloride	BDL	500	ug/kg	U
Vinyl Acetate	BDL	1000	ug/kg	U
Bromodichloromethane	BDL	500	ug/kg	U

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ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X105

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143939

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
1,2-Dichloropropane	BDL	500	ug/kg	U
Cis-1,3-Dichloropropene	BDL	500	ug/kg	U
Trichloroethene	BDL	500	ug/kg	U
Dibromochloromethane	BDL	500	ug/kg	U
1,1,2-Trichloroethane	BDL	500	ug/kg	U
Benzene	BDL	500	ug/kg	U
Trans-1,3-Dichloropropene	BDL	500	ug/kg	U
Bromoform	BDL	500	ug/kg	U
4-Methyl-2-Pentanone	BDL	1000	ug/kg	U
2-Hexanone	BDL	1000	ug/kg	U
Tetrachloroethene	BDL	500	ug/kg	U
1,1,2,2-Tetrachloroethane	BDL	500	ug/kg	U
Toluene	BDL	500	ug/kg	U
Chlorobenzene	BDL	500	ug/kg	U
Ethylbenzene	BDL	500	ug/kg	U
Styrene	BDL	500	ug/kg	U
Xylene	BDL	500	ug/kg	U

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ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X105

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143939

TENTATIVELY IDENTIFIED COMPOUNDS

Ten (10) Volatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

VOLATILE COMPOUND	RETENTION TIME	ESTIMATED CONCENTRATION		
Dimethylcyclohexane	15.82	1200	ug/kg	J
Dimethylcyclohexane	17.91	1100	ug/kg	J
Trimethylcyclohexane	18.64	1100	ug/kg	J
Ethylmethylcyclohexane	20.05	1100	ug/kg	J
Unknown	22.44	1100	ug/kg	J
Unknown	22.95	1200	ug/kg	J
Unknown	24.13	2100	ug/kg	J
Napthalene	24.62	2400	ug/kg	J
Unknown	25.27	1100	ug/kg	J
Unknown	25.68	2500	ug/kg	J

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GULF COAST LABORATORIES, INC.
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ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X105

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143939

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
Phenol	BDL	330	ug/kg	U
bis(-2-Chloroethyl)Ether	BDL	330	ug/kg	U
2-Chlorophenol	BDL	330	ug/kg	U
1,3-Dichlorobenzene	BDL	330	ug/kg	U
1,4-Dichlorobenzene	BDL	330	ug/kg	U
Benzyl Alcohol	BDL	330	ug/kg	U
1,2-Dichlorobenzene	BDL	330	ug/kg	U
2-Methylphenol	BDL	330	ug/kg	U
bis(2-chloroisopropyl)Ether	BDL	330	ug/kg	U
4-Methylphenol	BDL	330	ug/kg	U
N-Nitroso-Di-n-Propylamine	BDL	330	ug/kg	U
Hexachloroethane	BDL	330	ug/kg	U
Nitrobenzene	BDL	330	ug/kg	U
Isophorone	BDL	330	ug/kg	U
2-Nitrophenol	BDL	330	ug/kg	U
2,4-Dimethylphenol	BDL	330	ug/kg	U
Benzoic Acid	BDL	1600	ug/kg	U

GULF COAST LABORATORIES, INC.
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ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X105

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143939

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
bis(-2-Chloroethoxy)Methane	BDL	330	ug/kg	U
2,4-Dichlorophenol	BDL	330	ug/kg	U
1,2,4-Trichlorobenzene	BDL	330	ug/kg	U
Naphthalene	BDL	330	ug/kg	U
4-Chloroaniline	BDL	330	ug/kg	U
Hexachlorobutadiene	BDL	330	ug/kg	U
4-Chloro-3-Methylphenol	BDL	330	ug/kg	U
2-Methylnaphthalene	BDL	330	ug/kg	U
Hexachlorocyclopentadiene	BDL	330	ug/kg	U
2,4,6-Trichlorophenol	BDL	330	ug/kg	U
2,4,5-Trichlorophenol	BDL	1600	ug/kg	U
2-Chloronaphthalene	BDL	330	ug/kg	U
2-Nitroaniline	BDL	1600	ug/kg	U
Dimethyl Phthalate	BDL	330	ug/kg	U
Acenaphthylene	BDL	330	ug/kg	U
2,6-Dinitrotoluene	BDL	330	ug/kg	U
3-Nitroaniline	BDL	1600	ug/kg	U

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-

ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X105

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143939

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
Acenaphthene	BDL	330	ug/kg	U
2,4-Dinitrophenol	BDL	1600	ug/kg	U
4-Nitrophenol	BDL	1600	ug/kg	U
Dibenzofuran	BDL	330	ug/kg	U
2,4-Dinitrotoluene	BDL	330	ug/kg	U
Diethylphthalate	BDL	330	ug/kg	U
4-Chlorophenyl-phenylether	BDL	330	ug/kg	U
Fluorene	BDL	330	ug/kg	U
4-Nitroaniline	BDL	1600	ug/kg	U
4,6-Dinitro-2-Methylphenol	BDL	1600	ug/kg	U
N-Nitrosodiphenylamine (1)	BDL	330	ug/kg	U
4-Bromophenyl-phenylether	BDL	330	ug/kg	U
Hexachlorobenzene	BDL	330	ug/kg	U
Pentachlorophenol	BDL	1600	ug/kg	U
Phenanthrene	BDL	330	ug/kg	U
Anthracene	BDL	330	ug/kg	U
Di-n-Butylphthalate	BDL	330	ug/kg	U

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) [illegible]

ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X105

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143939

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
Fluoranthene	BDL	330	ug/kg	U
Pyrene	BDL	330	ug/kg	U
Butylbenzylphthalate	BDL	330	ug/kg	U
3,3'-Dichlorobenzidine	BDL	660	ug/kg	U
Benzo(a)Anthracene	BDL	330	ug/kg	U
Chrysene	BDL	330	ug/kg	U
bis(2-Ethylhexyl)Phthalate	380	330	ug/kg	B
Di-n-Octylphthalate	BDL	330	ug/kg	U
Benzo(b)Fluoranthene	BDL	330	ug/kg	U
Benzo(k)Fluoranthene	BDL	330	ug/kg	U
Benzo(a)Pyrene	BDL	330	ug/kg	U
Indeno(1,2,3-cd)Pyrene	BDL	330	ug/kg	U
Dibenz(a,h)Anthracene	BDL	330	ug/kg	U
Benzo(g,h,i)Perylene	BDL	330	ug/kg	U

(1) Cannot be separated from diphenylamine

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GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-

ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X105

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143939

TENTATIVELY IDENTIFIED COMPOUNDS

Twenty (20) Semivolatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

SEMIVOLATILE COMPOUND	RETENTION TIME	ESTIMATED CONCENTRATION		
Unknown	6.40	2200	ug/kg	J A
Unknown Hydrocarbon	9.00	390	ug/kg	J
Unknown	9.53	220	ug/kg	J
Unknown	9.86	430	ug/kg	J
Unknown Hydrocarbon	11.06	940	ug/kg	J
Unknown Hydrocarbon	11.45	430	ug/kg	J
Unknown	11.67	330	ug/kg	J
Unknown	11.96	700	ug/kg	J
Unknown Hydrocarbon	12.41	470	ug/kg	J
Unknown	13.22	490	ug/kg	J

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GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815)-723-

ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X105

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143939

TENTATIVELY IDENTIFIED COMPOUNDS

SEMIVOLATILE COMPOUND	RETENTION TIME	ESTIMATED CONCENTRATION		
Unknown Hydrocarbon	13.47	280	ug/kg	J
Unknown	13.59	380	ug/kg	J
Unknown	14.06	240	ug/kg	J
Unknown Hydrocarbon	15.26	430	ug/kg	J
Unknown	16.42	370	ug/kg	J
Unknown	28.52	870	ug/kg	J B
Unknown Acid Ester	32.31	920	ug/kg	J
Unknown	36.48	490	ug/kg	J B
Unknown	41.66	270	ug/kg	J
Unknown	43.47	530	ug/kg	J

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-7

ANALYTICAL REPORT

TO: Environmental Protection Agncy
2200 Churchill Road
Springfield IL 62706

ATTN: Mrs. Susan Doubet

DATE: 12/28/88

RE: Valspar Soil Sample X106

Sample Date: 11/05/88
Date Received: 11/07/88
GCL Number: 143940

GCL #	PARAMETERS	ANALYST	RESULTS		
143940	Aluminum, Total	wac	950	mg/kg	d
143940	Antimony, Total	jb	< 1.77	mg/kg	d
143940	Arsenic, Total	rm	< 0.88	mg/kg	dF
143940	Barium, Total	wac	70.8	mg/kg	d
143940	Beryllium, Total	wac	< 0.428	mg/kg	dF
143940	Cadmium, Total	wac	< 0.856	mg/kg	d
143940	Calcium, Total	wac	2570	mg/kg	d
143940	Chromium, Total	wac	16.2	mg/kg	d
143940	Cobalt, Total	wac	< 4.28	mg/kg	d
143940	Copper, Total	wac	14.8	mg/kg	d
143940	Iron, Total	wac	5090	mg/kg	d
143940	Lead, Total	wac	104	mg/kg	d
143940	Magnesium, Total	wac	1360	mg/kg	d
143940	Manganese, Total	wac	42.9	mg/kg	d
143940	Mercury, Total	nk	0.15	mg/kg	d
143940	Nickel, Total	wac	4.41	mg/kg	d
143940	Potassium, Total	wac	219	mg/kg	d
143940	Selenium, Total	rm	< 0.88	mg/kg	d
143940	Silver, Total	wac	< 2.14	mg/kg	d

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723

ANALYTICAL REPORT

TO: Environmental Protection Agncy
2200 Churchill Road
Springfield IL 62706

ATTN: Mrs. Susan Doubet

DATE: 12/28/88

RE: Valspar Soil Sample X106

Sample Date: 11/05/88
Date Received: 11/07/88
GCL Number: 143940

GCL #	PARAMETERS	ANALYST	RESULTS		
143940	Sodium, Total	wac	43.6	mg/kg	c
143940	Solids, Total	cls	85.3	%	
143940	Thallium, Total	jmf	< 0.88	mg/kg	c
143940	Vanadium, Total	wac	3.06	mg/kg	c
1[illegible]40	Zinc, Total	wac	153	mg/kg	

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GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-7

ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X106

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143940

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
Chloromethane	BDL	1000	ug/kg	U
Bromomethane	BDL	1000	ug/kg	U
Vinyl Chloride	BDL	1000	ug/kg	U
Chloroethane	BDL	1000	ug/kg	U
Methylene Chloride	440	500	ug/kg	J B
Acetone	790	1000	ug/kg	J B
Carbon Disulfide	BDL	500	ug/kg	U
1,1-Dichloroethene	BDL	500	ug/kg	U
1,1-Dichloroethane	BDL	500	ug/kg	U
1,2-Dichloroethene (total)	BDL	500	ug/kg	U
Chloroform	BDL	500	ug/kg	U
1,2-Dichloroethane	BDL	500	ug/kg	U
2-Butanone	300	1000	ug/kg	J B
1,1,1-Trichloroethane	BDL	500	ug/kg	U
Carbon Tetrachloride	BDL	500	ug/kg	U
Vinyl Acetate	BDL	1000	ug/kg	U
Bromodichloromethane	BDL	500	ug/kg	U

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-

ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X106

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143940

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
1,2-Dichloropropane	BDL	500	ug/kg	U
Cis-1,3-Dichloropropene	BDL	500	ug/kg	U
Trichloroethene	BDL	500	ug/kg	U
Dibromochloromethane	BDL	500	ug/kg	U
1,1,2-Trichloroethane	BDL	500	ug/kg	U
Benzene	BDL	500	ug/kg	U
Trans-1,3-Dichloropropene	BDL	500	ug/kg	U
Bromoform	BDL	500	ug/kg	U
4-Methyl-2-Pentanone	BDL	1000	ug/kg	U
2-Hexanone	BDL	1000	ug/kg	U
Tetrachloroethene	BDL	500	ug/kg	U
1,1,2,2-Tetrachloroethane	BDL	500	ug/kg	U
Toluene	BDL	500	ug/kg	U
Chlorobenzene	BDL	500	ug/kg	U
Ethylbenzene	790	500	ug/kg	
Styrene	BDL	500	ug/kg	U
Xylene	18000	500	ug/kg	

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GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-7

ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X106

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143940

TENTATIVELY IDENTIFIED COMPOUNDS

Ten (10) Volatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

VOLATILE COMPOUND	RETENTION TIME	ESTIMATED CONCENTRATION		
Trichlorotrifluoroethane	8.08	4200	ug/kg	J
Unknown	22.42	12000	ug/kg	J
Unknown	22.97	9000	ug/kg	J
Unknown	23.16	7500	ug/kg	J
Unknown	23.68	3700	ug/kg	J
Unknown	24.13	12000	ug/kg	J
Unknown	24.50	3200	ug/kg	J
Unknown	24.77	4600	ug/kg	J
Unknown	25.27	7800	ug/kg	J
Unknown	25.68	7800	ug/kg	J

J10

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-

ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X106

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143940

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
Phenol	BDL	330	ug/kg	U
bis(-2-Chloroethyl)Ether	BDL	330	ug/kg	U
2-Chlorophenol	BDL	330	ug/kg	U
1,3-Dichlorobenzene	BDL	330	ug/kg	U
1,4-Dichlorobenzene	BDL	330	ug/kg	U
Benzyl Alcohol	BDL	330	ug/kg	U
1,2-Dichlorobenzene	BDL	330	ug/kg	U
2-Methylphenol	BDL	330	ug/kg	U
bis(2-chloroisopropyl)Ether	BDL	330	ug/kg	U
4-Methylphenol	BDL	330	ug/kg	U
N-Nitroso-Di-n-Propylamine	BDL	330	ug/kg	U
Hexachloroethane	BDL	330	ug/kg	U
Nitrobenzene	BDL	330	ug/kg	U
Isophorone	BDL	330	ug/kg	U
2-Nitrophenol	BDL	330	ug/kg	U
2,4-Dimethylphenol	BDL	330	ug/kg	U
Benzoic Acid	BDL	1600	ug/kg	U

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-

ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X106

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143940

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
bis(-2-Chloroethoxy)Methane	BDL	330	ug/kg	U
2,4-Dichlorophenol	BDL	330	ug/kg	U
1,2,4-Trichlorobenzene	BDL	330	ug/kg	U
Naphthalene	BDL	330	ug/kg	U
4-Chloroaniline	BDL	330	ug/kg	U
Hexachlorobutadiene	BDL	330	ug/kg	U
4-Chloro-3-Methylphenol	BDL	330	ug/kg	U
2-Methylnaphthalene	BDL	330	ug/kg	U
Hexachlorocyclopentadiene	BDL	330	ug/kg	U
2,4,6-Trichlorophenol	BDL	330	ug/kg	U
2,4,5-Trichlorophenol	BDL	1600	ug/kg	U
2-Chloronaphthalene	BDL	330	ug/kg	U
2-Nitroaniline	BDL	1600	ug/kg	U
Dimethyl Phthalate	BDL	330	ug/kg	U
Acenaphthylene	BDL	330	ug/kg	U
2,6-Dinitrotoluene	BDL	330	ug/kg	U
3-Nitroaniline	BDL	1600	ug/kg	U

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-7

ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 7, 1988

RE: Valspar Soil Sample X106

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143940

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
Acenaphthene	BDL	330	ug/kg	U
2,4-Dinitrophenol	BDL	1600	ug/kg	U
4-Nitrophenol	BDL	1600	ug/kg	U
Dibenzofuran	BDL	330	ug/kg	U
2,4-Dinitrotoluene	BDL	330	ug/kg	U
Diethylphthalate	BDL	330	ug/kg	U
4-Chlorophenyl-phenylether	BDL	330	ug/kg	U
Fluorene	BDL	330	ug/kg	U
4-Nitroaniline	BDL	1600	ug/kg	U
4,6-Dinitro-2-Methylphenol	BDL	1600	ug/kg	U
N-Nitrosodiphenylamine (1)	BDL	330	ug/kg	U
4-Bromophenyl-phenylether	BDL	330	ug/kg	U
Hexachlorobenzene	BDL	330	ug/kg	U
Pentachlorophenol	BDL	1600	ug/kg	U
Phenanthrene	120	330	ug/kg	J
Anthracene	33	330	ug/kg	J
Di-n-Butylphthalate	BDL	330	ug/kg	U

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-7

ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X106

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143940

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
Fluoranthene	140	330	ug/kg	J
Pyrene	130	330	ug/kg	J
Butylbenzylphthalate	BDL	330	ug/kg	U
3,3'-Dichlorobenzidine	BDL	660	ug/kg	U
Benzo(a)Anthracene	61	330	ug/kg	J
Chrysene	65	330	ug/kg	J
bis(2-Ethylhexyl)Phthalate	370	330	ug/kg	B
Di-n-Octylphthalate	BDL	330	ug/kg	U
Benzo(b)Fluoranthene	50	330	ug/kg	J
Benzo(k)Fluoranthene	45	330	ug/kg	J
Benzo(a)Pyrene	BDL	330	ug/kg	U
Indeno(1,2,3-cd)Pyrene	BDL	330	ug/kg	U
Dibenz(a,h)Anthracene	BDL	330	ug/kg	U
Benzo(g,h,i)Perylene	BDL	330	ug/kg	U

(1) Cannot be separated from diphenylamine

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-7

ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X106

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143940

TENTATIVELY IDENTIFIED COMPOUNDS

Twenty (20) Semivolatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

SEMIVOLATILE COMPOUND	RETENTION TIME	ESTIMATED CONCENTRATION		
Substituted Benzene	7.14	4400	ug/kg	J
Unknown Hydrocarbon	11.11	4100	ug/kg	J
Unknown	12.01	3400	ug/kg	J
Unknown	13.29	3800	ug/kg	J
Unknown	14.13	3500	ug/kg	J
Unknown Hydrocarbon	14.46	2300	ug/kg	J
Unknown + ISTD	14.83	4600	ug/kg	J
Unknown Hydrocarbon	15.36	5500	ug/kg	J
Unknown	15.64	2300	ug/kg	J
Unknown	15.91	3300	ug/kg	J

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GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (815) 723-

ANALYTICAL REPORT

TO: Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mrs. Susan Doubet

DATE: December 6, 1988

RE: Valspar Soil Sample X106

Sample Date: 11/05/88
Date Received: 11/07/88
GCL#: 143940

TENTATIVELY IDENTIFIED COMPOUNDS

SEMIVOLATILE COMPOUND	RETENTION TIME	ESTIMATED CONCENTRATION		
Unknown Hydrocarbon	16.09	2300	ug/kg	J
Unknown Hydrocarbon	16.50	5500	ug/kg	J
Unknown	17.53	1900	ug/kg	J
Unknown	17.89	3100	ug/kg	J
Unknown Hydrocarbon	18.41	3800	ug/kg	J
Substituted Naphthalene	19.41	2300	ug/kg	J
Unknown Hydrocarbon	19.88	2700	ug/kg	J
Unknown Hydrocarbon	23.65	1900	ug/kg	J
Unknown	28.34	4300	ug/kg	J
Unknown	29.31	2000	ug/kg	J

GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones (312) 534-5200 (219) 885-7077 (81

The following is a list of flags that Gulf Coast Laboratories frequently uses on our analytical reports. All flags may not be applicable for the enclosed reports.

A - Indicates a condensation product

B - Indicates the compound was found in the blank as well as the sample.

C - Pesticide compound confirmed by GC/MS

d - Result is on a dry weight basis

D - Indicates the compound was identified in an analysis at a secondary dilution factor. If a sample is re-analyzed at a higher dilution, the "DL" suffix is appended to sample numbers.

e - Concentrations exceed calibration range of the instrument for that specific analysis.

E - Severe matrix interference

J - Indicates an estimated value which is below detection limit

P - Peaks present but do not appear to be PCBs

R - Spike recovery not within control limit

S - Indicates value determined by Method of Standard Addition

U - Indicates compound was analyzed for but not detected

W - Result is on an "as is basis" (wet weight)

X - Result by calculation.

BDL - Below Detection Limit

NA - Not Applicable

NR - Not Required

* - Duplicate not within control limits

+ - Correlation coefficient for MSA < 0.995

@ - Due to matrix interference, post analytical spike is out of control limits.

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WESTON
MANAGERS DESIGNERS/CONSULTANTS

WESTON-GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

TO: Roy F. Weston, Incorporated
100 Corporate North, Suite 101
Bannockburn IL 60015

ATTN: Mr. James Kinsey

DATE: 12/01/88

RE: Valspar-Kilbourn Sample B-1
W.O.# 2875-01-01
Sample Date: 11/04/88
Date Received: 11/08/88
GCL Number: 143994

GCL #	PARAMETERS	ANALYST	RESULTS		
143994	Solids, Total	cls	86.2	%	
143994	Xylenes	mmr	60	ug/kg	d

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WESTON
MANAGERS DESIGNERS/CONSULTANTS

WESTON-GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones: (312) 534-5200 (219) 885-7077 (815) 7...

ANALYTICAL REPORT

TO: Roy F. Weston, Incorporated
100 Corporate North, Suite 101
Bannockburn IL 60015

ATTN: Mr. James Kinsey

DATE: 12/01/88

RE: Valspar-Kilbourn Sample B-2
W.O.# 2875-01-01
Sample Date: 11/05/88
Date Received: 11/08/88
GCL Number: 143995

GCL #	PARAMETERS	ANALYST	RESULTS		
143995	Naphtha	mmr	420	mg/kg	d
143995	Solids, Total	cls	84.9	%	

WESTON
MANAGERS DESIGNERS/CONSULTANTS

WESTON-GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

TO: Roy F. Weston, Incorporated
100 Corporate North, Suite 101
Bannockburn IL 60015

ATTN: Mr. James Kinsey

DATE: 12/01/88

RE: Valspar-Kilbourn Sample B-3
W.O.# 2875-01-01
Sample Date: 11/05/88
Date Received: 11/08/88
GCL Number: 143996

GCL #	PARAMETERS	ANALYST	RESULTS		
143996	Naphtha	mmr	130	mg/kg	d
143996	Solids, Total	cls	81.7	%	

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WESTON
MANAGERS DESIGNERS/CONSULTANTS

WESTON-GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones: (312) 534-5200 (219) 885-7077 (815) 723

ANALYTICAL REPORT

TO: Roy F. Weston, Incorporated
100 Corporate North, Suite 101
Bannockburn IL 60015

ATTN: Mr. James Kinsey

DATE: 12/01/88

RE: Valspar-Kilbourn Sample B-4
W.O.# 2875-01-01
Sample Date: 11/05/88
Date Received: 11/08/88
GCL Number: 143997

GCL #	PARAMETERS	ANALYST	RESULTS		
143997	Methyl Ethyl Ketone (2-butanone)	mmr	< 100	ug/kg	d
143997	Solids, Total	cls	80.7	%	

J93

WESTON
MANAGERS DESIGNERS/CONSULTANTS

WESTON-GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

TO: Roy F. Weston, Incorporated
100 Corporate North, Suite 101
Bannockburn IL 60015

ATTN: Mr. James Kinsey

DATE: 12/01/88

RE: Valspar-Kilbourn Sample B-5
W.O.# 2875-01-01
Sample Date: 11/05/88
Date Received: 11/08/88
GCL Number: 143998

GCL #	PARAMETERS	ANALYST	RESULTS		
143998	Isopropyl Alcohol	mmr	< 900	ug/kg	d
143998	Solids, Total	cls	80.1	%	

J94

WESTON
MANAGERS DESIGNERS/CONSULTANTS

WESTON-GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones: (312) 534-5200 (219) 885-7077 (815) 723-75

ANALYTICAL REPORT

TO: Roy F. Weston, Incorporated
100 Corporated North
Suite 101
Bannockburn, IL 60015

ATTN: Mr. Rich Gnat

DATE: December 7, 1988

RE: WO#2875-01-01/Valspar-Kilbourn
Sample B-6
Sample Date: 11/05/88
Date Received: 11/08/88
GCL#: 143999

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
Chloromethane	BDL	1000	ug/kg	U
Bromomethane	BDL	1000	ug/kg	U
Vinyl Chloride	BDL	1000	ug/kg	U
Chloroethane	BDL	1000	ug/kg	U
Methylene Chloride	180	500	ug/kg	J B
Acetone	560	1000	ug/kg	J B
Carbon Disulfide	BDL	500	ug/kg	U
1,1-Dichloroethene	BDL	500	ug/kg	U
1,1-Dichloroethane	BDL	500	ug/kg	U
1,2-Dichloroethene (total)	BDL	500	ug/kg	U
Chloroform	BDL	500	ug/kg	U
1,2-Dichloroethane	BDL	500	ug/kg	U
2-Butanone	170	1000	ug/kg	J B
1,1,1-Trichloroethane	BDL	500	ug/kg	U
Carbon Tetrachloride	BDL	500	ug/kg	U
Vinyl Acetate	BDL	1000	ug/kg	U
Bromodichloromethane	BDL	500	ug/kg	U

J95

WESTON
MANAGERS DESIGNERS/CONSULTANTS

WESTON-GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

TO: Roy F. Weston, Incorporated
100 Corporated North
Suite 101
Bannockburn, IL 60015

ATTN: Mr. Rich Gnat

DATE: December 7, 1988

RE: WO#2875-01-01/Valspar-Kilbourn
Sample B-6
Sample Date: 11/05/88
Date Received: 11/08/88
GCL#: 143999

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT		
1,2-Dichloropropane	BDL	500	ug/kg	U
Cis-1,3-Dichloropropene	BDL	500	ug/kg	U
Trichloroethene	BDL	500	ug/kg	U
Dibromochloromethane	BDL	500	ug/kg	U
1,1,2-Trichloroethane	BDL	500	ug/kg	U
Benzene	BDL	500	ug/kg	U
Trans-1,3-Dichloropropene	BDL	500	ug/kg	U
Bromoform	BDL	500	ug/kg	U
4-Methyl-2-Pentanone	BDL	1000	ug/kg	U
2-Hexanone	BDL	1000	ug/kg	U
Tetrachloroethene	BDL	500	ug/kg	U
1,1,2,2-Tetrachloroethane	BDL	500	ug/kg	U
Toluene	180	500	ug/kg	J
Chlorobenzene	BDL	500	ug/kg	U
Ethylbenzene	6800	500	ug/kg	
Styrene	BDL	500	ug/kg	U
Xylene	33000	500	ug/kg	
Total Solids	80.1%			

J96

WESTON
MANAGERS DESIGNERS/CONSULTANTS

WESTON-GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones: (312) 534-5200 (219) 885-7077 (815) 723-

ANALYTICAL REPORT

TO: Roy F. Weston, Incorporated
100 Corporated North
Suite 101
Bannockburn, IL 60015

ATTN: Mr. Rich Gnat

DATE: December 7, 1988

RE: WO#2875-01-01/Valspar-Kilbourn
Sample B-6
Sample Date: 11/05/88
Date Received: 11/08/88
GCL#: 143999

TENTATIVELY IDENTIFIED COMPOUNDS

Nine (9) Volatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

VOLATILE COMPOUND	RETENTION TIME	ESTIMATED CONCENTRATION		
Unknown	22.49	22000	ug/kg	J
Unknown Hydrocarbon	22.98	14000	ug/kg	J
Unknown	23.24	13000	ug/kg	J
Unknown	24.20	15000	ug/kg	J
Unknown	24.59	4900	ug/kg	J
Unknown	24.69	5400	ug/kg	J
Unknown	24.83	4700	ug/kg	J
Unknown	25.32	10000	ug/kg	J
Unknown Benzene C9H12	25.77	13000	ug/kg	J

Illinois Environmental Protection Agency · P. O. Box 19276, Springfield, IL 62794-9276

217/782-6761

Refer to: 0316005445 -- Cook County
Chicago/Valspar - 1330 S. Kilbourne Ave.
Superfund/Technical Reports

March 3, 1989

Fredrikson and Byron, P.A.
Attention: Leo Stern
1100 International Center
900 Second Ave. South
Minneapolis, Minnesota 55402-3397

Dear Mr. Stern:

The Agency has reviewed the information submitted on the contamination and remediation of on-site contaminated soils at the Valspar site in Chicago, Illinois. The Agency has submitted the information through its Clean-up Objectives Team (COT) and Coordinated Review of Permit Applications (CROPA) for there recommendations on clean-up levels on the contaminated soils. At this time the Agency is recommending the following cleanup objectives:

Parameter	Objective (ug/kg)	ADL (ug/kg)
Methylene Chloride	19300.	5
Xylene	2087.	5
Phenanthrene	10.	330

The Agency further recommends that additional sampling be done and EP Toxicity analysis be conducted. If the results of the lead analysis show contamination greater than 100 ug/l (EP Tox) then the Agency will need to reconsider setting an objective for lead.

Before you can start implementing cleanup objectives, you will need to submit, for Agency approval, a work plan, which will include a Health and Safety Plan.

J98

Please submit three (3) copies of any reports involving the above remediation to the Agency. If you have any questions, please contact me at 217/785-0231.

Sincerely,

Steve Gobelman, Project Manager
Immediate Removal Unit
Remedial Project Management Section
Division of Land Pollution Control

SG:bjh/07 /56,57

cc: Division File
Northern Region
Don Gimbel
Scott Sachnoff - Assistant Corporate Counsel, City of Chicago
Russell B. Selman - Goodwill
Jim Kinsey - Weston

VOLUME 1
DRAFT SITE INVESTIGATION REPORT
KILBOURN AVENUE SITE
1330 SOUTH KILBOURN AVENUE
CHICAGO, IL 60623

DRAFT

PREPARED FOR:

THE VALSPAR CORPORATION
1101 S. THIRD ST.
P.O. BOX 1464
MINNEAPOLIS, MN 55440

PREPARED BY:

IT CORPORATION
333 PIERCE ROAD
ITASCA, IL 60143

JULY 1992

PROJECT NO. 312299

TABLE 3
SUMMARY OF ANALYTICAL RESULTS - CONCRETE SAMPLES
KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
CHICAGO, ILLINOIS
REFERENCE FIGURES 4 AND 5

Sample Number	Location[1]	Date	Aroclor 1260 (ug/g)[2]
3F-C01-T	Building 3F Top ½ of Core	5-6-92	24000
3F-C01-B	Building 3F Bottom ½ of Core	5-6-92	14
3F-CO2-T	Building 3F Top ½ of Core	5-6-92	43000
3F-C02-B	Building 3F Bottom ½ of Core	5-6-92	1100
14B-C01-T	Building 14, Basement Top ½ of Core	5-5-92	3600
14B-C01-B	Building 14, Basement Bottom ½ of Core	5-5-92	99
14B-C02-T	Building 14, Basement Top ½ of Core	5-5-92	10000
14B-C02-B	Building 14, Basement Bottom ½ of Core	5-5-92	18[3]

[1] Exact locations of samples are provided in Figures 4 and 5.
[2] Micrograms per gram or parts per million.
[3] Estimate based on instrument response below calibration range.

TABLE 4
SUMMARY OF SOIL VAPOR SURVEY
KILBOURN AVENUE SITE
1330 S. KILBOURN AVENUE
CHICAGO, ILLINOIS
REFERENCE FIGURE 6

SURVEY LOCATION[1]	DATE	DEPTH (FEET)	PID READING (ppm)
GSV-01	5-5-92	3.0	12
GSV-02	5-5-92	3.0	90
GSV-03	5-5-92	1.0-3.0	160 - > 2000[2]
GSV-04	5-5-92	3.0	130
GSV-05	5-5-92	2.5	7
GSV-06	5-5-92	3.0	8
GSV-07	5-5-92	3.0	260
GSV-08	5-5-92	3.0	95
GSV-21[3]	5-5-92	—	—
GSV-22[3]	5-5-92	—	—
GSV-23[3]	5-5-92	—	—
GSV-24[3]	5-5-92	—	—
GSV-25	5-5-92	3.0	8
GSV-26[3]	5-5-92	—	—
GSV-27	5-5-92	3.0	2
GSV-28	5-5-92	3.0	0
GSV-29	5-5-92	3.0	68
GSV-30	5-5-92	3.0	1
GSV-31	5-5-92	3.0	6.2
GSV-32	5-5-92	3.0	1.2

1 Exact locations are provided in Figure 6.

2 Initial reading was >2000 ppm but the tube became clogged so the equipment was decontaminated and another reading was taken. The second reading was 160 ppm. For the second reading, the probe was driven to a 3 foot depth but the tubing extended to a 1 foot depth due to a high water table.

3 Soil vapor survey could not be performed at these locations due to surface or subsurface obstructions.

TAB 5

SUMMARY OF ANALYTICAL RESULTS - SOIL VAPOR SURVEY SOIL SAMPLES
KILBOURN AVENUE SITE
1330 S. KILBOURN AVENUE
CHICAGO, ILLINOIS
REFERENCE FIGURE 6

COMPOUNDS	UNITS	SAMPLING LOCATION[1], DEPTH, AND DATE				
		GSV-03-1 1.5-1.8' 5-8-92	GSV-04-2 1.7-2.0' 5-8-92	GSV-06-3 2.0-2.3' 5-8-92	GSV-07-4 1.5-1.8' 5-8-92	GSV-29-5 1.4-1.7' 5-8-92
Chloroethane	ug/kg[2]	ND50[3]	ND25	ND50	ND50	ND10
Methylene Chloride	ug/kg	10J[4]	5J	11J	8J	2J
Acetone	ug/kg	ND50	ND25	18J	23J	ND10
Carbon Disulfide	ug/kg	11J	5J	13J	67	2J
Chloroform	ug/kg	ND25	ND13	ND25	ND25	ND5
2-Butanone	ug/kg	ND50	ND25	ND50	ND50	ND10
1,2-Dichloroethene	ug/kg	ND25	ND13	ND25	ND25	ND5
1,1,1-Trichloroethane	ug/kg	ND25	22	ND25	ND25	4J
Bromodichloromethane	ug/kg	ND25	ND13	ND25	ND25	ND5
Trichloroethene	ug/kg	ND25	ND13	ND25	ND25	ND5
Benzene	ug/kg	ND25	ND13	ND25	ND25	ND5
2-Hexanone	ug/kg	ND50	ND25	ND50	ND50	ND10
Tetrachloroethene	ug/kg	ND25	ND13	ND25	ND25	ND5
1,1,2,2-Tetrachloroethane	ug/kg	ND25	ND13	ND25	ND25	ND5
Toluene	ug/kg	ND25	7J	ND25	ND25	ND5
Chlorobenzene	ug/kg	ND25	ND13	260	ND25	ND5
Ethylbenzene	ug/kg	ND25	63	64	ND25	ND5
Total Xylenes	ug/kg	ND25	570	270	690	ND5
pH	---	8.03	8.18	8.03	6.94	9.4

[1] Exact locations are provided on Figure 6.
[2] ug/kg or parts per billion.
[3] Not detected at the detection limit indicated.
[4] J indicates an estimated value. This flag is used when mass spectral data indicates the presence of the compound, but the result is less than the specified detection limit.

TABLE 6
SUMMARY OF ANALYTICAL RESULTS - WATER AND SLUDGE FROM SUMPS
KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
CHICAGO, ILLINOIS
REFERENCE FIGURES 7 AND 8

COMPOUNDS	UNITS	SAMPLING LOCATION[1] AND DATE		
		NTF-SUMP-01 NORTH TANK FARM SUMP WATER 5-5-92	5E-SUMP-01 BUILDING 5E SUMP SLUDGE 5-4-92	5E-SUMP-01D (Duplicate) BUILDING 5E SUMP SLUDGE 5-4-92
Chloroethane	ug/L ug/kg[2]	ND50[3]	ND50	ND25
Methylene Chloride	ug/L ug/kg	5JB[4,5]	15J	23
Acetone	ug/L ug/kg	ND50	ND50	25
Carbon Disulfide	ug/L ug/kg	6J	13J	28
Chloroform	ug/L ug/kg	ND25	ND25	ND13
2-Butanone	ug/L ug/kg	ND50	4J	ND25
1,2-Dichloroethene	ug/L ug/kg	ND25	ND25	10J
1,1,1-Trichloroethane	ug/L ug/kg	ND25	ND25	ND13
Bromodichloromethane	ug/L ug/kg	ND25	ND25	ND13
Trichloroethene	ug/L ug/kg	ND25	5J	5J
Benzene	ug/L ug/kg	ND25	8J	11J
2-Hexanone	ug/L ug/kg	ND50	ND50	ND25

[1] Exact locations are provided on Figures 7 and 8.
[2] ug/L for water sample and ug/kg for sludge samples or parts per billion.
[3] Not detected at the detection limit indicated.
[4] J [illegible] as an estimated value. This flag is used when mass spectral data indicates the presence [illegible] compound, but the result is less than the specified detection limit.
[5] B [illegible] tes that the compound was detected in the laboratory blank as well as in the sample.

TABLE 6 (Continued)
SUMMARY OF ANALYTICAL RESULTS - WATER AND SLUDGE FROM SUMPS
KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
CHICAGO, ILLINOIS
REFERENCE FIGURES 7 AND 8

COMPOUNDS	UNITS	SAMPLING LOCATION[1] AND DATE		
		NTF-SUMP-01 NORTH TANK FARM SUMP WATER 5-5-92	5E-SUMP-01 BUILDING 5E SUMP SLUDGE 5-4-92	5E-SUMP-01D (Duplicate) BUILDING 5E SUMP SLUDGE 5-4-92
Tetrachloroethene	ug/L ug/kg	ND25	ND25	ND13
1,1,2,2-Tetrachloroethane	ug/L ug/kg	ND25	ND25	ND13
Toluene	ug/L ug/kg	6J	ND25	ND13
Chlorobenzene	ug/L ug/kg	ND25	ND25	ND13
Ethylbenzene	ug/L ug/kg	44	4000	ND13
Total Xylenes	ug/L ug/kg	2800	850	1500
pH	---	8.0	8.0	8.3

[1] Exact locations are provided on Figures 7 and 8.
[2] ug/L for water sample and ug/kg for sludge samples or parts per billion.
[3] Not detected at the detection limit indicated.
[4] j [illegible] as an estimated value. This flag is used when mass spectral data indicates the presence [illegible] compound, but the result is less than the specified detection limit.
[5] [illegible] that the compound was detected in the laboratory blank as well as in the sample.

TABLE 1
SUMMARY OF ANALYTICAL RESULTS - ASBESTOS SAMPLES
KILBOURN AVENUE SITE
1330 S. KILBOURN AVENUE
CHICAGO, ILLINOIS
REFERENCE FIGURE 3

Sample Number	Location[1]	Date	Type	Percent Total Asbestos
15B-ASB-1	Building 15B	5-8-92	Roofing Tile	ND[2]
15-1-ASB-2	Building 15, 2nd Floor	5-8-92	Pipe Insulation[3]	ND
CP-ASB-3	Cooper's Pit	5-8-92	Roofing Tile	ND
KB-ASB-4	Southwest Corner of Building 7	5-8-92	Kiln Brick	TRACE
RT-ASB-5	Southwest Corner of Building 7	5-8-92	Roofing Shingle	ND
8-3-ASB-6	Building 8, 3rd Floor	5-8-92	Floor Tile[4]	>1≤3
8-3-ASB-7	Building 8, 3rd Floor	5-8-92	Ceiling Tile	ND
8-6-ASB-8	Building 8, 6th Floor	5-8-92	Floor Tile[4]	>3≤5
8-6-ASB-9	Building 8, 6th Floor	5-8-92	Ceiling Tile	ND
14-2-ASB-10	Building 14, 2nd Floor	5-8-92	Ceiling Tile	ND
14-1-ASB-11	Building 14, 1st Floor	5-8-92	Floor Tile[4]	>3≤5

[1] Exact locations are provided in Figure 3.
[2] Not Detected.
[3] The sample of pipe insulation was randomly selected and appeared to be comprised of the same material as other pipe insulation on-site.
[4] The floor tile was a non-friable material.

TABLE 2
SUMMARY OF ANALYTICAL RESULTS - PAPER AND WIPE SAMPLES
KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
CHICAGO, ILLINOIS
REFERENCE FIGURES 4 AND 5

Sample Number	Location[1]	Date	Aroclor 1260 (ug)[2]
3F-PAP1[3]	Building 3F	5-6-92	6500000
3F-WP1	Building 3F	5-6-92	4200000
3F-WP2	Building 3F	5-6-92	270000
3F-WP3	Building 3F	5-6-92	3600
3F-WP4	Building 3F	5-6-92	800[4]
3F-WP 5	Building 3F	5-6-92	500[4]
3F-WP6	Building 3F	5-6-92	2800000[5]
3F-WP7	Building 3F	5-6-92	260000
14B-WP1	Building 14, Basement	5-5-92	210000
14B-WP2	Building 14, Basement	5-5-92	200000
14B-WP3	Building 14, Basement	5-5-92	2600000[5]
14B-WP4	Building 14, Basement	5-5-92	1700000
14B-WP5	Building 14, Basement	5-5-92	290000
14B-WP6	Building 14, Basement	5-5-92	720000
14B-WP7	Building 14, Basement	5-5-92	900000
14B-WP8	Building 14, Basement	5-5-92	2900

[1] Exact locations are provided in Figures 4 and 5.
[2] Micrograms per 100 cm^2 area for all samples except the bulk paper sample 3F-PAP1.
[3] Paper composite.
[4] Estimate based on instrument response below calibration range.
[5] Estimate based on instrument response above calibration range.

TABLE 7
SUMMARY OF ANALYTICAL RESULTS - NORTH TANK FARM SOIL SAMPLES
KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
CHICAGO, ILLINOIS
REFERENCE FIGURE 7

COMPOUNDS	UNITS	SAMPLING LOCATION[1], DEPTH, AND DATE							
		SB-01 0-6" 5-5-92	SB-01 6-8' 5-5-92	SB-02 0-6" 5-5-92	SB-02 6-8' 5-5-92	SB-03 0-6" 5-5-92	SB-03 6-8' 5-5-92	SB-04 0-6" 5-6-92	SB-04 6-8' 5-6-92
Chloroethane	ug/kg[2]	ND10[3]	ND10	ND10	ND10	ND10	ND10	ND25	ND25
Methylene Chloride	ug/kg	4J[4]	2JB[5]	3J	3JB	2JB	17B	18	44B
Acetone	ug/kg	ND10	ND10	ND10	ND10	ND10	ND10	ND25	ND25
Carbon Disulfide	ug/kg	4J	3J	3J	4J	3J	3J	27	29
Chloroform	ug/kg	ND5	ND5	ND5	ND5	ND5	ND5	ND13	ND13
2-Butanone	ug/kg	ND10	4J	ND10	ND10	ND10	33	ND25	ND25
1,2-Dichloroethene	ug/kg	ND5	ND5	ND5	ND5	ND5	ND5	ND13	ND13
1,1,1-Trichloroethane	ug/kg	ND5	ND5	ND5	ND5	ND5	ND5	ND13	ND13
Bromodichloromethane	ug/kg	ND5	ND5	ND5	ND5	ND5	ND5	ND13	ND13
Trichloroethene	ug/kg	ND5	ND5	ND5	ND5	ND5	ND5	ND13	ND13
Benzene	ug/kg	ND5	ND5	ND5	ND5	ND5	ND5	ND13	ND13
2-Hexanone	ug/kg	ND10	ND10	ND10	ND10	ND10	ND10	ND25	ND25
Tetrachloroethene	ug/kg	ND5	ND5	ND5	ND5	ND5	ND5	ND13	ND13
1,1,2,2-Tetrachloroethane	ug/kg	ND5	ND5	ND5	ND5	ND5	ND5	ND13	ND13
Toluene	ug/kg	340	110	130	180	12	5J	460	500
Chlorobenzene	ug/kg	ND5	ND5	ND5	ND5	ND5	ND5	ND13	ND13
Ethylbenzene	ug/kg	1J	ND5	1J	ND5	ND5	ND5	ND13	ND13
Total Xylenes	ug/kg	4J	3J	2J	2J	1J	2J	ND13	35
pH	---	7.7	8.1	7.5	8.1	7.4	7.9	7.83	7.69

[1] Exact locations are provided in Figure 7.
[2] ug/kg or parts per billion.
[3] Not detected at the detection limit indicated.
[4] J indicates an estimated value. This flag is used when mass spectral data indicates the presence of the compound, but the result is less than the specified detection limit.
[5] B indicates that the compound was detected in the laboratory blank as well as in the sample.
[6] E indicates that the compound concentrations exceeded the scale of the gas chromatograph. The sample was diluted to bring the detection peaks within measurable scale.

TABLE 7 (continued)
SUMMARY OF ANALYTICAL RESULTS - NORTH TANK FARM SOIL SAMPLES
KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
CHICAGO, ILLINOIS
REFERENCE FIGURE 7

COMPOUNDS	UNITS	SAMPLING LOCATION[1], DEPTH, AND DATE								
		SB-05 0-6" 5-6-92	SB-05 6-8' 5-6-92	SB-06 0-6" 5-6-92	SB-06 6-8' 5-6-92	SB-07 0-6" 5-6-92	SB-07 0-6"DUP 5-6-92	SB-07 6-8' 5-6-92	SB-08 0-6" 5-6-92	SB-08 6-8' 5-6-92
Chloroethane	ug/kg[2]	ND25[3]	ND50	ND25	ND50	ND25	ND25	ND25	ND25	ND50
Methylene Chloride	ug/kg	27B[5]	49	14	17J[4]	45	39	9JB	22	34
Acetone	ug/kg	24J	ND50	ND25	19J	ND25	ND25	ND25	ND25	ND50
Carbon Disulfide	ug/kg	23	37	8J	ND25	28	29	5J	20	50
Chloroform	ug/kg	ND13	ND25	ND13	ND25	ND13	ND13	ND13	ND13	ND25
2-Butanone	ug/kg	19J	ND50	ND25	ND50	ND25	ND25	ND25	8J	ND50
1,2-Dichloroethene	ug/kg	ND13	ND25	ND13	ND25	ND13	ND13	ND13	ND13	ND25
1,1,1-Trichloroethane	ug/kg	5J	13J	ND13	ND25	ND13	ND13	ND13	7J	ND25
Bromodichloromethane	ug/kg	ND13	ND25	ND13	ND25	ND13	ND13	ND13	ND13	ND25
Trichloroethene	ug/kg	ND13	ND25	ND13	ND25	ND13	ND13	ND13	ND13	ND25
Benzene	ug/kg	ND13	ND25	ND13	ND25	ND13	ND13	ND13	ND13	ND25
2-Hexanone	ug/kg	ND25	ND50	ND25	ND50	ND25	ND25	ND25	ND25	ND50
Tetrachloroethene	ug/kg	ND13	20J	ND13	ND25	ND13	ND13	ND13	ND13	ND25
1,1,2,2-Tetrachloroethane	ug/kg	ND13	20J	ND13	ND25	ND13	ND13	ND13	ND13	ND25
Toluene	ug/kg	370	720	340	1950E[6]	150	79	100	33	880
Chlorobenzene	ug/kg	ND13	ND25	ND13	ND25	ND13	ND13	ND13	ND13	ND25
Ethylbenzene	ug/kg	ND13	ND25	ND13	75	3J	3J	ND13	ND13	ND25
Total Xylenes	ug/kg	7J	41	ND13	2800E	ND13	ND13	ND13	ND13	ND25
pH	—	7.75	7.48	7.22	7.72	7.96	7.08	NA[7]	7.70	8.32

[1] Exact locations are provided in Figure 7.
[2] ug/kg or parts per billion.
[3] Not detected at the detection limit indicated.
[4] J indicates an estimated value. This flag is used when mass spectral data indicates the presence of the compound, but the result is less than the specified detection limit.
[5] indicates that the compound was detected in the laboratory blank as well as in the samp
E indicates that the compound concentrations exceeded the scale of the gas chromatograpl.. ..e sample was diluted to bring the detection peaks within measurable scale.

TABLE 8
SUMMARY OF ANALYTICAL RESULTS - SOUTH TANK FARM SOIL SAMPLES
KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
CHICAGO, ILLINOIS
REFERENCE FIGURE 8

COMPOUNDS	UNITS	SAMPLING LOCATION[1], DEPTH, AND DATE							
		SB-09 0-6" 5-7-92	SB-09 6-8' 5-7-92	SB-10 0-6" 5-7-92	SB-10 4-6' 5-7-92	SB-10 4-6'DUP 5-7-92	SB-10 6-8' 5-7-92	SB-11 0-6" 5-6-92	SB-11 4-6' 5-6-92
Chloroethane	ug/kg[2]	ND50[3]	ND50	ND50	ND50	ND50	ND50	ND10	ND50
Methylene Chloride	ug/kg	13J[4]	13J	14J	16J	10J	16JB[5]	6B	26
Acetone	ug/kg	ND50	ND50	ND50	ND50	ND50	ND50	ND10	ND50
Carbon Disulfide	ug/kg	5J	6J	7J	7J	8J	7J	3J	33
Chloroform	ug/kg	23J	ND25	ND25	ND25	23J	23J	ND5	ND25
2-Butanone	ug/kg	ND50	ND50	ND50	ND50	ND50	ND50	ND10	ND50
1,2-Dichloroethene	ug/kg	ND25	ND25	ND25	ND25	ND25	ND25	ND5	ND25
1,1,1-Trichloroethane	ug/kg	ND25	ND25	ND25	ND25	ND25	ND25	8	ND25
Bromodichloromethane	ug/kg	ND25	ND25	ND25	ND25	5J	ND25	ND5	ND25
Trichloroethene	ug/kg	ND25	ND25	ND25	ND25	ND25	ND25	ND5	ND25
Benzene	ug/kg	ND25	ND25	ND25	ND25	ND25	ND25	ND5	ND25
2-Hexanone	ug/kg	ND50	ND50	ND50	ND50	ND50	ND50	ND10	ND50
Tetrachloroethene	ug/kg	ND25	ND25	ND25	ND25	ND25	ND25	ND5	ND25
1,1,2,2-Tetrachloroethane	ug/kg	ND25	ND25	ND25	ND25	ND25	ND25	ND5	ND25
Toluene	ug/kg	850	190	980	230	86	1400	ND5	ND25
Chlorobenzene	ug/kg	ND25	ND25	ND25	ND25	ND25	ND25	360	9J
Ethylbenzene	ug/kg	ND25	ND25	ND25	ND25	ND25	ND25	ND5	ND25
Total Xylenes	ug/kg	ND25	ND25	ND25	ND25	ND25	ND25	ND5	ND25
pH	—	8.67	8.14	8.51	8.38	8.51	8.52	7.53	7.55

[1] Exact locations are provided in Figure 8.
[2] ug/kg or parts per billion.
[3] Not detected at the detection limit indicated.
[4] J indicates an estimated value. This flag is used when mass spectral data indicates the presence of the compound, but the result is less than the specified detection limit.
[5] B indicates that the compound was detected in the laboratory blank as well as in the sample.
exceeded the scale

TABLE 8 (continued)
SUMMARY OF ANALYTICAL RESULTS - SOUTH TANK FARM SOIL SAMPLES
KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
CHICAGO, ILLINOIS
REFERENCE FIGURE 8

COMPOUNDS	UNITS	SAMPLING LOCATION[1], DEPTH, AND DATE							
		SB-11 6-8' 5-6-92	SB-12 0-6" 5-7-92	SB-12 6-8' 5-7-92	SB-13 0-6" 5-6-92	SB-13 4-6' 5-6-92	SB-13 6-8' 5-6-92	SB-14 0-6" 5-6-92	SB-14 4-6' 5-6-92
Chloroethane	ug/kg[2]	ND50[3]	ND50	ND50	ND25	ND12500	ND12500	ND10	ND25
Methylene Chloride	ug/kg	31	15J[4]	18J	4JB[5]	ND6250	1372J	4J	12JB
Acetone	ug/kg	ND50	ND50	ND50	ND25	ND12500	ND12500	ND10	ND25
Carbon Disulfide	ug/kg	35	7J	7J	20	ND6250	ND6250	3J	8J
Chloroform	ug/kg	ND25	ND25	ND25	ND13	ND6250	ND6250	ND5	ND13
2-Butanone	ug/kg	ND50	ND50	ND50	ND25	ND12500	ND12500	ND10	ND25
1,2-Dichloroethene	ug/kg	ND25	ND25	ND25	ND13	ND6250	ND6250	ND5	ND13
1,1,1-Trichloroethane	ug/kg	ND25	ND25	ND25	ND13	ND6250	ND6250	ND5	ND13
Bromodichloromethane	ug/kg	ND25	ND25	ND25	ND13	ND6250	ND6250	ND5	ND13
Trichloroethene	ug/kg	ND25	ND25	ND25	ND13	ND6250	ND6250	ND5	ND13
Benzene	ug/kg	ND25	ND25	ND25	ND13	ND6250	ND6250	ND5	ND13
2-Hexanone	ug/kg	ND50	ND50	ND50	ND25	ND12500	ND12500	ND10	ND25
Tetrachloroethene	ug/kg	ND25	ND25	ND25	ND13	ND6250	ND6250	ND5	ND13
1,1,2,2-Tetrachloroethane	ug/kg	ND25	ND25	ND25	ND13	ND6250	ND6250	ND5	ND13
Toluene	ug/kg	2500E[6]	740	1094	430	ND2650	ND6250	230	170
Chlorobenzene	ug/kg	ND25	ND25	ND25	ND13	ND6250	ND6250	ND5	ND13
Ethylbenzene	ug/kg	ND25	ND25	ND25	ND13	ND6250	ND6250	ND5	ND13
Total Xylenes	ug/kg	8J	ND25	ND25	ND13	ND6250	ND6250	ND5	ND13
pH	---	7.67	8.42	8.23	7.64	7.14	7.95	7.82	8.12

[1] Exact locations are provided in Figure 8.
[2] ug/kg or parts per billion.
[3] Not detected at the detection limit indicated.
[4] J indicates an estimated value. This flag is used when mass spectral data indicates the presence of the compound, but the result is less than the specified detection limit.
[5] B indicates that the compound was detected in the laboratory blank as well as in the sample.

TABLE 8 (continued)
SUMMARY OF ANALYTICAL RESULTS - SOUTH TANK FARM SOIL SAMPLES
KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
CHICAGO, ILLINOIS
REFERENCE FIGURE 8

COMPOUNDS	UNITS	SAMPLING LOCATION[1], DEPTH, AND DATE							
		SB-14 6-8' 5-6-92	SB-15 0-6" 5-6-92	SB-15 0-6" DUP 5-6-92	SB-15 4-6' 5-6-92	SB-15 6-8' 5-6-92	SB-16 0-6" 5-6-92	SB-16 4-6' 5-6-92	SB-16 6-8' 5-6-92
Chloroethane	ug/kg[2]	ND25[3]	ND25	ND25	ND10	ND25	ND50	ND12500	ND12500
Methylene Chloride	ug/kg	10J[4]	26	24	ND5	7J	51	1700J	ND6250
Acetone	ug/kg	ND25	ND25	ND25	ND10	7J	ND50	ND12500	ND12500
Carbon Disulfide	ug/kg	9J	24	21	3J	9J	42	ND6250	ND6250
Chloroform	ug/kg	ND13	ND13	ND13	ND5	ND13	ND25	ND6250	ND6250
2-Butanone	ug/kg	ND25	ND25	ND25	ND10	ND25	ND50	ND12500	ND12500
1,2-Dichloroethene	ug/kg	ND13	ND13	ND13	ND5	ND13	ND25	ND6250	ND6250
1,1,1-Trichloroethane	ug/kg	ND13	7J	7J	ND5	ND13	12J	ND6250	ND6250
Bromodichloromethane	ug/kg	ND13	ND13	ND13	ND5	ND13	ND25	ND6250	ND6250
Trichloroethene	ug/kg	ND13	ND13	ND13	ND5	ND13	ND25	ND6250	ND6250
Benzene	ug/kg	ND13	ND13	ND13	ND5	ND13	ND25	ND6250	ND6250
2-Hexanone	ug/kg	ND25	ND25	ND25	ND10	ND25	ND50	ND12500	ND12500
Tetrachloroethene	ug/kg	ND13	ND13	ND13	ND5	ND13	ND25	ND6250	ND6250
1,1,2,2-Tetrachloroethane	ug/kg	ND13	ND13	ND13	ND5	ND13	ND25	ND6250	ND6250
Toluene	ug/kg	ND13	337	251	42	710	670	ND6250	2900J
Chlorobenzene	ug/kg	1500	ND13	ND13	ND5	ND13	ND25	ND6250	ND6250
Ethylbenzene	ug/kg	ND13	ND13	ND13	ND5	ND13	ND25	ND6250	ND6250
Total Xylenes	ug/kg	ND13	5J	ND13	ND5	ND13	ND25	ND6250	ND6250
pH	---	7.54	7.89	7.74	7.48	8.08	8.10	7.76	7.21

[1] Exact locations are provided in Figure 8.
[2] ug/kg or parts per billion.
[3] Not detected at the detection limit indicated.
[4] J indicates an estimated value. This flag is used when mass spectral data indicates the presence of the compound, but the result is less than the specified detection limit.
[5] B indicates that the compound was detected in the laboratory blank as well as in the sample.
[illegible] ions exceeded the scale [illegible]

TABLE 9
SUMMARY OF ANALYTICAL RESULTS - COOPER'S PIT SOIL SAMPLES
KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
CHICAGO, ILLINOIS
REFERENCE FIGURE 9

COMPOUNDS	UNITS	SAMPLING LOCATION[1], DEPTH, AND DATE							
		SB-17 0-6" 5-7-92	SB-17 3.5-4.5' 5-7-92	SB-17 9-10' 5-7-92	SB-18 0-6" 5-7-92	SB-18 5-6' 5-7-92	SB-18 6-12' 5-7-92	SB-19 0-6" 5-7-92	SB-19 4-6' 5-7-92
Chloroethane	ug/kg[2]	ND50[3]	ND50	ND50	ND50	ND2500	ND12500	ND10	ND50
Methylene Chloride	ug/kg	16J[4]	16J	16J	12J	330J	2800J	ND5	18J
Acetone	ug/kg	ND50	ND50	ND50	ND50	ND2500	ND12500	ND10	ND50
Carbon Disulfide	ug/kg	6J	7J	15J	ND25	ND1250	ND6250	ND5	22J
Chloroform	ug/kg	ND25	ND25	ND25	ND25	ND1250	ND6250	ND5	ND25
2-Butanone	ug/kg	ND50	ND50	ND50	ND50	ND2500	ND12500	ND10	ND50
1,2-Dichloroethene	ug/kg	ND25	ND25	ND25	ND25	ND1250	ND6250	ND5	ND25
1,1,1-Trichloroethane	ug/kg	ND25	ND25	ND25	ND25	ND1250	ND6250	ND5	ND25
Bromodichloromethane	ug/kg	ND25	ND25	ND25	ND25	ND1250	ND6250	ND5	ND25
Trichloroethene	ug/kg	ND25	ND25	ND25	ND25	ND1250	ND6250	ND5	ND25
Benzene	ug/kg	ND25	ND25	ND25	ND25	ND1250	ND6250	ND5	ND25
2-Hexanone	ug/kg	ND50	ND50	ND50	7J	ND2500	ND12500	ND10	ND50
Tetrachloroethene	ug/kg	ND25	ND25	ND25	ND25	ND1250	ND6250	ND5	ND25
1,1,2,2-Tetrachloroethane	ug/kg	ND25	ND25	ND25	ND25	ND1250	ND6250	ND5	ND25
Toluene	ug/kg	1400	1100	3000	1700	ND1250	ND6250	6	ND25
Chlorobenzene	ug/kg	ND25	ND25	ND25	ND25	ND1250	ND6250	ND5	ND25
Ethylbenzene	ug/kg	ND25	ND25	97	ND25	ND1250	64000	ND5	400
Total Xylenes	ug/kg	ND25	ND25	140	ND25	24000	320000	ND5	1100
pH	---	8.02	7.36	8.13	8.08	8.47	8.22	8.08	8.02

[1] Exact locations are provided on Figure 9.
[2] ug/kg or parts per billion.
Not detected at the detection limit indicated.
J indicates an estimated value. This flag is used when mass spectral data indicates the presence of the compound, but the result is less than the specified detection limit.
[3] B indicates that the compound was detected in the laboratory blank as well as in the sample.

TABLE 9 (continued)
SUMMARY OF ANALYTICAL RESULTS - COOPER'S PIT SOIL SAMPLES
KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
CHICAGO, ILLINOIS
REFERENCE FIGURE 9

COMPOUNDS	UNITS	SAMPLING LOCATION[1], DEPTH, AND DATE							
		SB-19 6-8' 5-7-92	SB-20 0-6" 5-7-92	SB-20 5-7' 5-8-92	SB-20 7-9' 5-8-92	SB-21 0-6" 5-8-92	SB-21 3.5' 5-8-92	SB-21 7-9' 5-8-92	SB-22 0-6" 5-11-92
Chloroethane	ug/kg[2]	ND1250[3]	ND250	ND2500	ND2500	ND1250	ND4160	ND2500	ND10
Methylene Chloride	ug/kg	130	8J[4]	ND1250	ND1250	ND625	350J	310J	30B[5]
Acetone	ug/kg	ND1250	ND250	ND2500	ND2500	ND1250	ND4160	ND2500	ND10
Carbon Disulfide	ug/kg	ND625	6J	ND1250	ND1250	ND625	ND2080	ND1250	2JB
Chloroform	ug/kg	ND625	ND125	ND1250	ND1250	ND625	ND2080	ND1250	ND5
2-Butanone	ug/kg	ND1250	ND250	ND2500	ND2500	ND1250	ND4160	ND2500	ND10
1,2-Dichloroethene	ug/kg	ND625	ND125	ND1250	ND1250	ND625	ND2080	ND1250	ND5
1,1,1-Trichloroethane	ug/kg	ND625	3J	ND1250	ND1250	ND625	ND2080	ND1250	ND5
Bromodichloromethane	ug/kg	ND625	ND125	ND1250	ND1250	ND625	ND2080	ND1250	ND5
Trichloroethene	ug/kg	ND625	ND125	ND1250	ND1250	ND625	ND2080	ND1250	ND5
Benzene	ug/kg	ND625	ND125	ND1250	ND1250	ND625	ND2080	ND1250	ND5
2-Hexanone	ug/kg	ND1250	ND250	ND2500	ND2500	ND1250	ND4160	ND2500	ND10
Tetrachloroethene	ug/kg	ND625	ND125	ND1250	ND1250	ND625	ND2080	ND1250	ND5
1,1,2,2-Tetrachloroethane	ug/kg	ND625	ND125	ND1250	ND1250	ND625	ND2080	ND1250	ND5
Toluene	ug/kg	ND625	ND125	1490	1400	740	2200	990J	2J
Chlorobenzene	ug/kg	ND625	ND125	ND1250	ND1250	ND625	ND2080	ND1250	ND5
Ethylbenzene	ug/kg	ND625	ND125	ND1250	ND1250	ND625	88000	26000	ND5
Total Xylenes	ug/kg	ND625	ND125	ND1250	ND1250	ND625	720000	110000	ND5
pH	—	8.17	8.10	8.32	10.09	7.74	7.92	7.24	7.88

[1] Exact locations are provided on Figure 9.
[2] ug/kg or parts per billion.
[3] Not detected at the detection limit indicated.
[4] J indicates an estimated value. This flag is used when mass spectral data indicates the presence of the compound, but the result is less than the specified detection limit.
[5] B indicates that the compound was detected in the laboratory blank as well as in the sample.

TABLE 9 (continued)
SUMMARY OF ANALYTICAL RESULTS - COOPER'S PIT SOIL SAMPLES
KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
CHICAGO, ILLINOIS
REFERENCE FIGURE 9

COMPOUNDS	UNITS	SAMPLING LOCATION[1], DEPTH, AND DATE							
		SB-22 2-4' 5-11-92	SB-22 6-8' 5-11-92	SB-23 0-6" 5-8-92	SB-23 0-6"DUP 5-8-92	SB-23 3.5' 5-8-92	SB-23 7-9' 5-8-92	SB-24 0-6" 5-11-92	SB-24 0-6" DUP 5-11-92
Chloroethane	ug/kg[2]	ND2500[3]	ND1250	ND1250	ND50	180	300J[4]	ND10	ND10
Methylene Chloride	ug/kg	270JB[5]	200JB	150J	10J	ND60	ND1250	2JB	3JB
Acetone	ug/kg	ND2500	ND1250	ND1250	ND50	ND120	ND2500	ND10	ND10
Carbon Disulfide	ug/kg	ND1250	ND625	ND625	6J	ND60	ND1250	2JB	3JB
Chloroform	ug/kg	ND1250	ND625	ND625	ND25	ND60	ND1250	ND5	ND5
2-Butanone	ug/kg	ND2500	ND1250	ND1250	ND50	ND120	ND2500	ND10	ND10
1,2-Dichloroethene	ug/kg	ND1250	ND625	ND625	ND25	ND60	ND1250	ND5	ND5
1,1,1-Trichloroethane	ug/kg	ND1250	ND625	ND625	12J	ND60	ND1250	ND5	ND5
Bromodichloromethane	ug/kg	ND1250	ND625	ND625	ND25	ND60	ND1250	ND5	ND5
Trichloroethene	ug/kg	ND1250	ND625	ND625	ND25	ND60	ND1250	ND5	ND5
Benzene	ug/kg	ND1250	ND625	ND625	ND25	ND60	ND1250	ND5	ND5
2-Hexanone	ug/kg	ND2500	ND1250	ND1250	ND50	ND120	ND2500	ND10	ND10
Tetrachloroethene	ug/kg	ND1250	ND625	ND625	ND25	ND60	ND1250	ND5	ND5
1,1,2,2-Tetrachloroethane	ug/kg	ND1250	ND625	ND625	ND25	ND60	ND1250	ND5	ND5
Toluene	ug/kg	400J	1400	ND625	ND25	1040	300J	3J	3J
Chlorobenzene	ug/kg	ND1250	ND625	ND625	ND25	ND60	ND1250	ND5	ND5
Ethylbenzene	ug/kg	ND1250	300J	ND625	ND25	ND60	ND1250	ND5	1J
Total Xylenes	ug/kg	700J	1600	320J	ND25	160	ND1250	ND5	9
pH	—	7.75	8.05	8.34	8.50	7.55	8.28	8.44	NA[6]

[1] Exact locations are provided on Figure 9.
[2] ug/kg or parts per billion.
[3] Not detected at the detection limit indicated.
[4] J indicates an estimated value. This flag is used when mass spectral data indicates th[illegible]sc[illegible] the compound, but the result is less than the specified detection limit.
[5] B indicates that the compound [illegible]ted in the laboratory blank as well as in the [illegible]

TABLE 9 (continued)
SUMMARY OF ANALYTICAL RESULTS - COOPER'S PIT SOIL SAMPLES
KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
CHICAGO, ILLINOIS
REFERENCE FIGURE 9

COMPOUNDS	UNITS	SAMPLING LOCATION[1], DEPTH, AND DATE								
		SB-24 2-4' 5-11-92	SB-24 6-8' 5-11-92	SB-25 0-6" 5-11-92	SB-25 2-4' 5-11-92	SB-25 6-8' 5-11-92	SB-26 0-6" 5-11-92	SB-26 0-6"DUP 5-11-92	SB-26 2-4' 5-11-92	SB-26 6-8' 5-11-92
Chloroethane	ug/kg[2]	ND50[3]	ND2500	ND10	ND10	ND50	ND10	ND10	ND10	ND2500
Methylene Chloride	ug/kg	ND25	340JB[4,5]	3JB	4JB	12JB	2J	2JB	2JB	480JB
Acetone	ug/kg	ND50	ND2500	ND10	ND10	ND50	ND10	ND10	ND10	ND2500
Carbon Disulfide	ug/kg	ND25	ND1250	3JB	2JB	16JB	3J	3JB	3JB	ND1250
Chloroform	ug/kg	ND25	ND1250	ND5	ND5	ND25	ND5	ND5	ND5	ND1250
2-Butanone	ug/kg	ND50	ND2500	ND10	ND10	ND50	5J	ND10	ND10	ND2500
1,2-Dichloroethene	ug/kg	ND25	ND1250	ND5	ND5	ND25	ND5	ND5	ND5	ND1250
1,1,1-Trichloroethane	ug/kg	ND25	ND1250	ND5	ND5	ND25	ND5	ND5	ND5	ND1250
Bromodichloromethane	ug/kg	ND25	ND1250	ND5	ND5	ND25	ND5	ND5	ND5	ND1250
Trichloroethene	ug/kg	ND25	ND1250	ND5	ND5	ND25	ND5	ND5	ND5	ND1250
Benzene	ug/kg	ND25	ND1250	ND5	ND5	ND25	ND5	ND5	ND5	ND1250
2-Hexanone	ug/kg	ND50	ND2500	ND10	ND10	ND50	ND10	ND10	2J	ND2500
Tetrachloroethene	ug/kg	ND25	ND1250	ND5	ND5	ND25	ND5	ND5	ND5	ND1250
1,1,2,2-Tetrachloroethane	ug/kg	ND25	ND1250	ND5	ND5	ND25	ND5	ND5	ND5	ND1250
Toluene	ug/kg	ND25	3400	2J	10	120	ND5	ND5	ND5	670J
Chlorobenzene	ug/kg	ND25	ND1250	ND5	ND5	ND25	ND5	ND5	ND5	ND1250
Ethylbenzene	ug/kg	140	10000	ND5	ND5	ND25	ND5	ND5	ND5	2200
Total Xylenes	ug/kg	ND25	87000	1J	2J	42	ND5	ND5	1J	67000
pH	—	8.06	8.31	8.06	8.06	8.77	12.06	11.68	9.05	10.43

[1] Exact locations are provided on Figure 9.
[2] ug/kg or parts per billion.
[3] Not detected at the detection limit indicated.
[4] J indicates an estimated value. This flag is used when mass spectral data indicates the presence of the compound, but the result is less than the specified detection limit.
[5] B indicates that the compound was detected in the laboratory blank as well as in the sample.

TABLE 10
SUMMARY OF ANALYTICAL RESULTS
TRIP BLANKS AND RINSATE
KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
CHICAGO, ILLINOIS

COMPOUNDS	UNITS	TB-01 5-5-92	TB-02 5-6-92	TB-03 5-7-92	RINSATE 01[1] 5-8-92
Chloroethane	ug/L[2]	ND50[3]	ND10	ND10	ND10
Methylene Chloride	ug/L	11J[4]	3J	2J	1JB
Acetone	ug/L	ND50	ND10	ND10	ND10
Carbon Disulfide	ug/L	ND25	2J	ND5	1J
Chloroform	ug/L	ND25	ND5	ND5	11
2-Butanone	ug/L	ND50	ND10	ND10	ND10
1,2-Dichloroethene	ug/L	ND25	ND5	ND5	ND5
1,1,1-Trichloroethane	ug/L	ND25	ND5	ND5	4J
Bromodichloromethane	ug/L	ND25	ND5	ND5	ND5
Trichloroethene	ug/L	ND25	ND5	ND5	ND5
Benzene	ug/L	ND25	ND5	ND5	ND5
2-Hexanone	ug/L	ND50	ND10	ND10	ND10
Tetrachloroethene	ug/L	ND25	ND5	ND5	ND5
1,1,2,2-Tetrachloroethane	ug/L	ND25	ND5	ND5	ND5
Toluene	ug/L	ND25	ND5	ND5	ND5
Chlorobenzene	ug/L	ND25	ND5	ND5	ND5
Ethylbenzene	ug/L	ND25	ND5	ND5	ND5
Total Xylenes	ug/L	1J	ND5	ND5	ND5

[1] Collected by pouring deionized water over soil boring and sampling equipment used to advance and sample SB01 through SB26.
[2] ug/L or parts per billion.
[3] Not detected at the detection limit indicated.
[4] J indicates an estimated value. This flag is used when mass spectral data indicates the presence of the compound, but the result is less than the specified detection limit.

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		APPROVED BY	KLW 7-20-92		

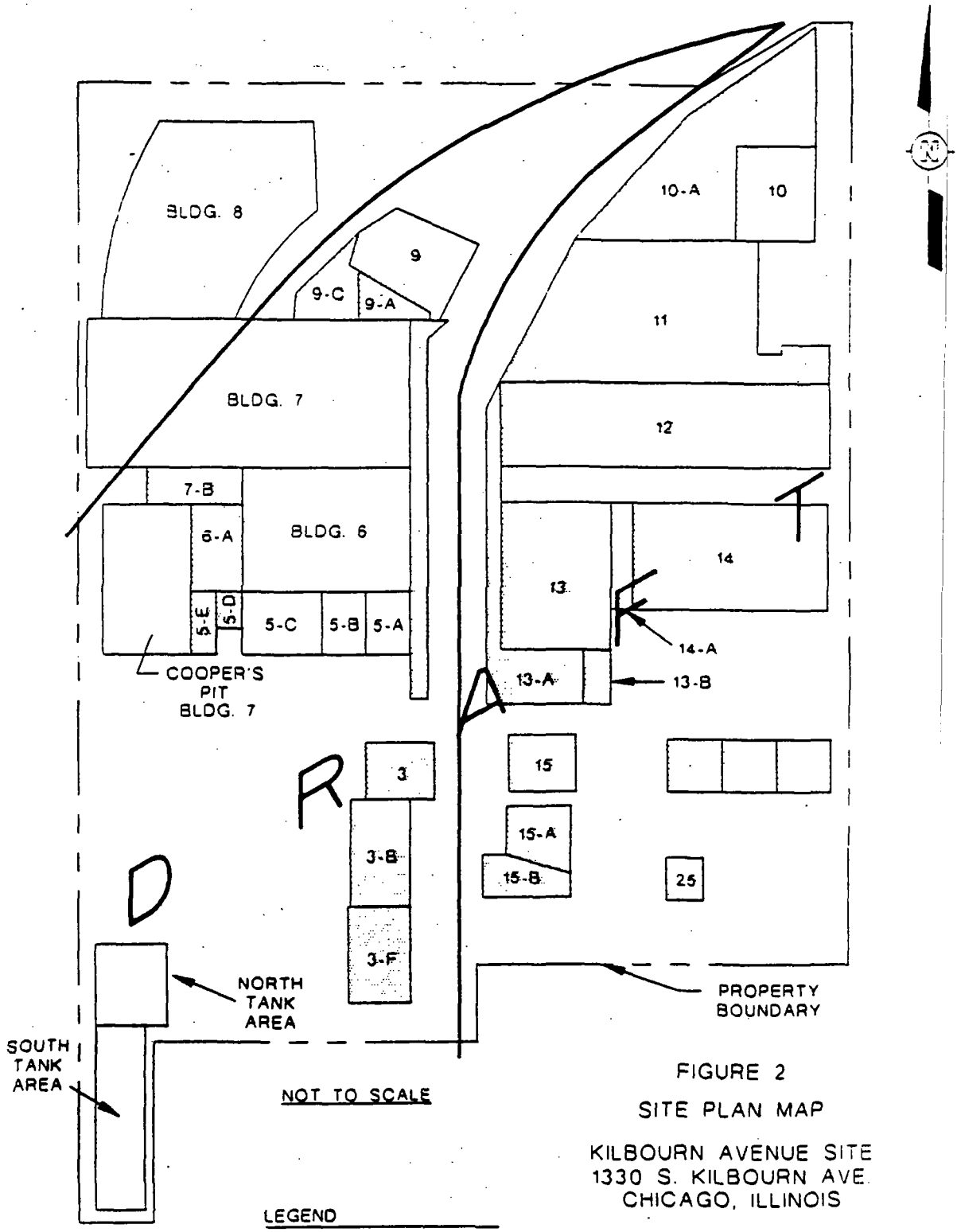

FIGURE 2

SITE PLAN MAP

KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
CHICAGO, ILLINOIS

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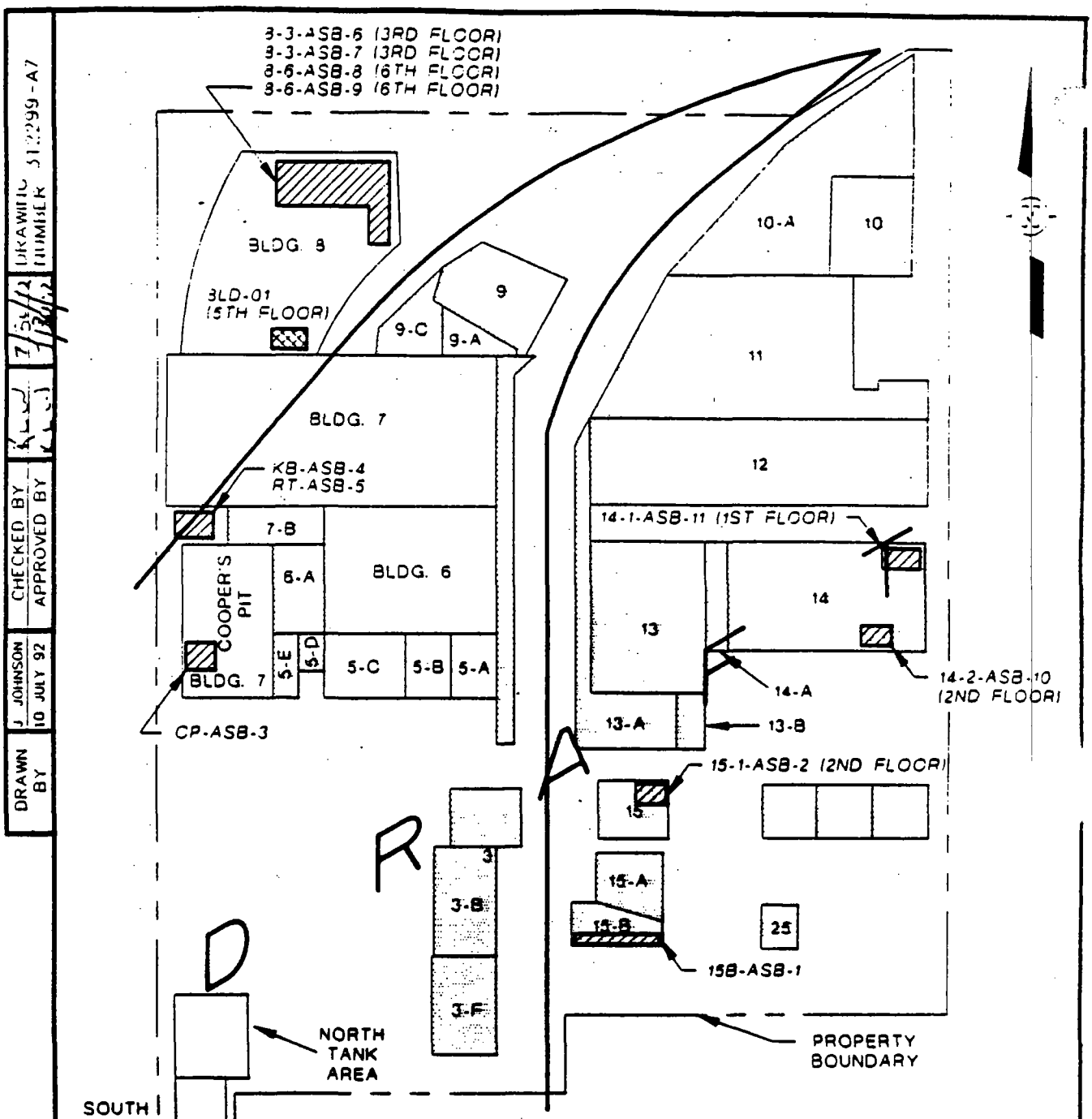

NOT TO SCALE

LEGEND

- TANK CLOSURE AREAS
- BUILDINGS WITHOUT REGULATED TANKS
- RAILROAD
- ASBESTOS SAMPLING LOCATIONS
- DUST COLLECTOR SAMPLING LOCATION
- 15-1-ASB-2 ASBESTOS SAMPLE NUMBER
- 8LD-01 DUST COLLECTOR SAMPLE NUMBER

FIGURE 3

DUST COLLECTOR AND ASBESTOS SAMPLING LOCATIONS

KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
CHICAGO, ILLINOIS

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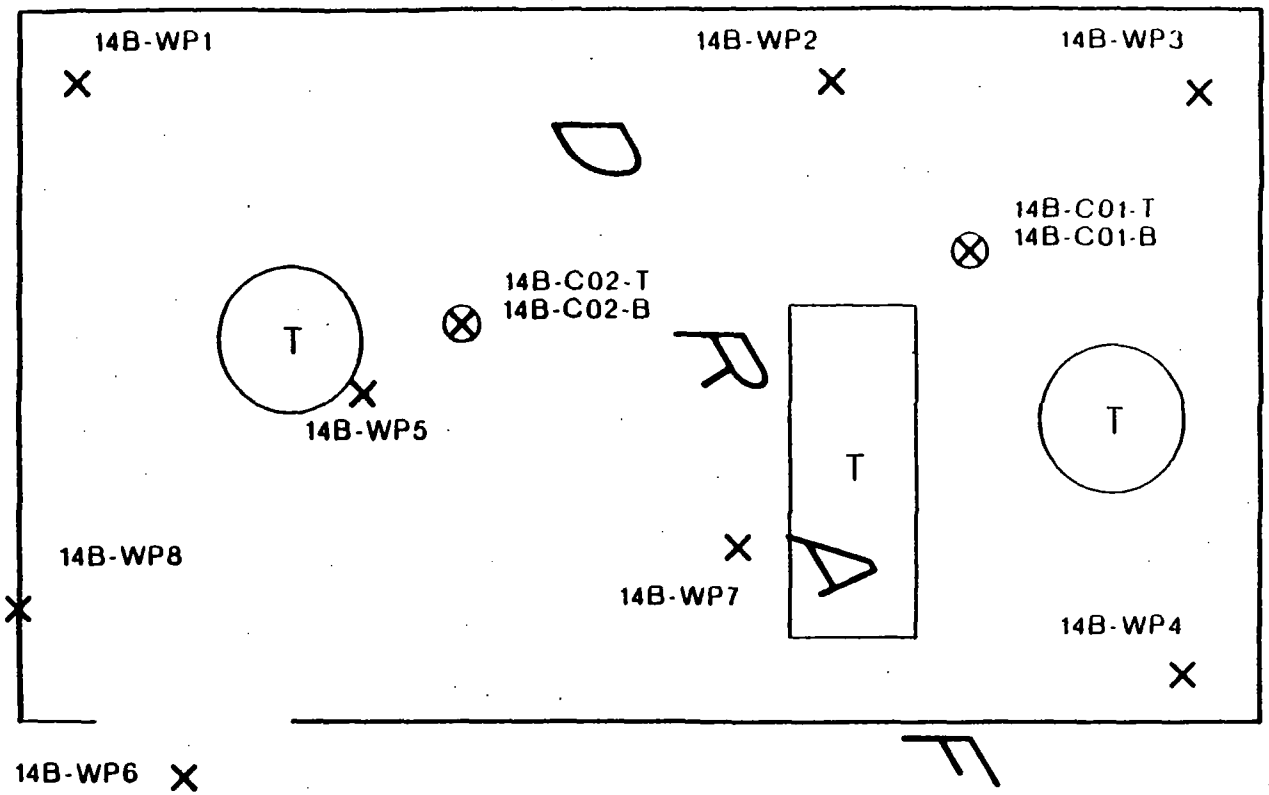

NOT TO SCALE

ELECTRIC VAULT IN BUILDING 14-BASEMENT

FIGURE 4

PCB SAMPLING LOCATIONS
BUILDING 14-BASEMENT
KILBOURN AVENUE SITE
1330 S KILBOURN AVE
CHICAGO, ILLINOIS

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LEGEND

⊗ : CONCRETE CORE SAMPLE LOCATION

X : WIPE SAMPLE LOCATION

T : TRANSFORMER

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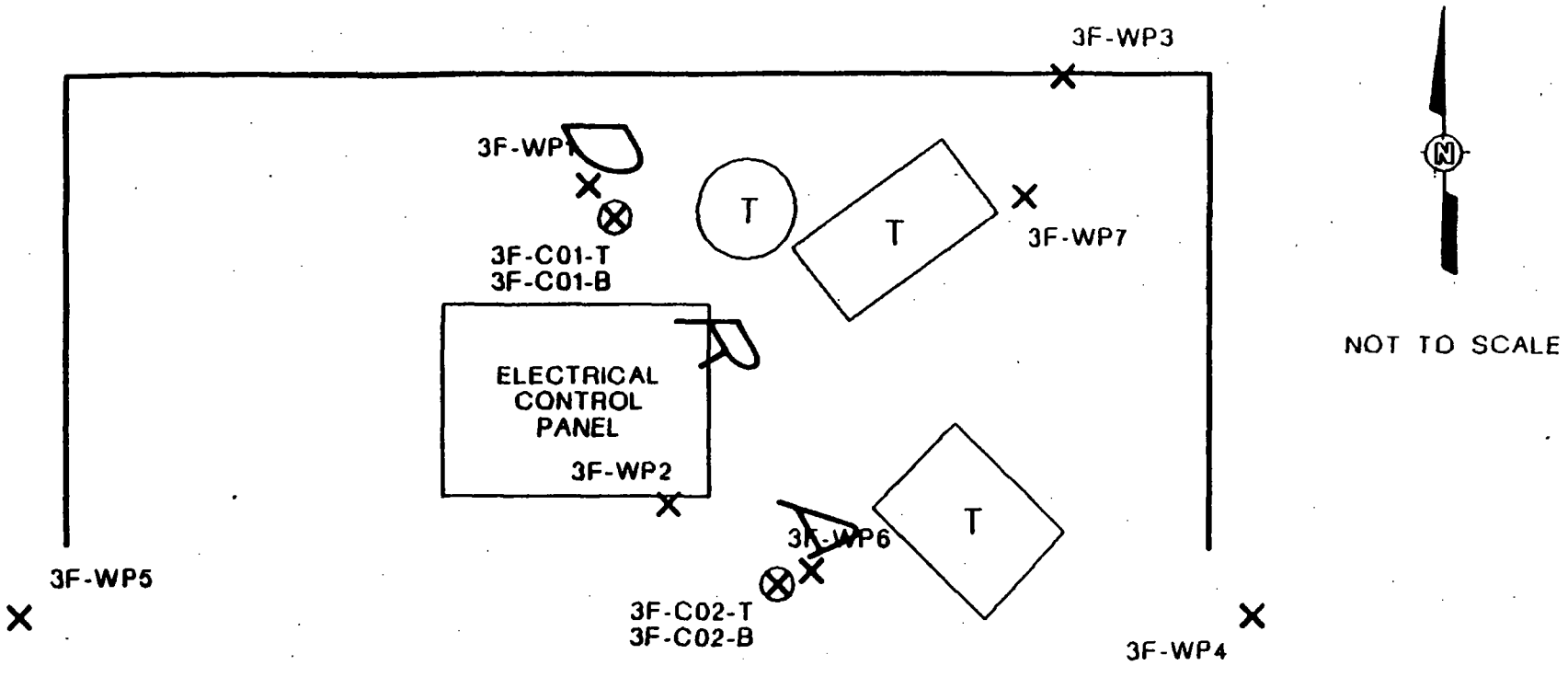

BUILDING 3-F

FIGURE 5

PCB SAMPLING LOCATIONS
BUILDING 3-F
KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
CHICAGO, ILLINOIS

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LEGEND

⊗ = CONCRETE CORE SAMPLE LOCATION

X = WIPE SAMPLE LOCATION

T = TRAN

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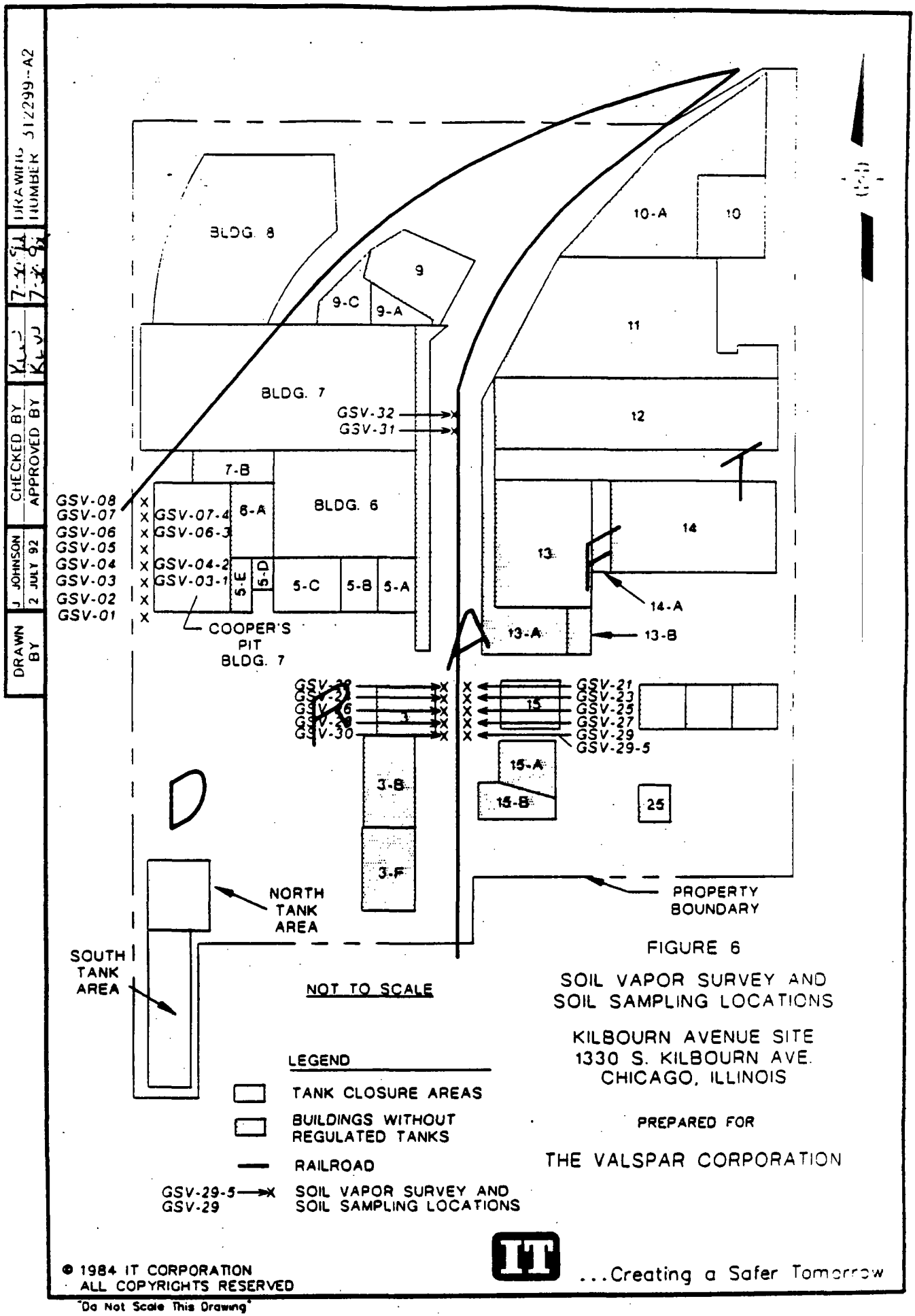

FIGURE 6

SOIL VAPOR SURVEY AND SOIL SAMPLING LOCATIONS

KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
CHICAGO, ILLINOIS

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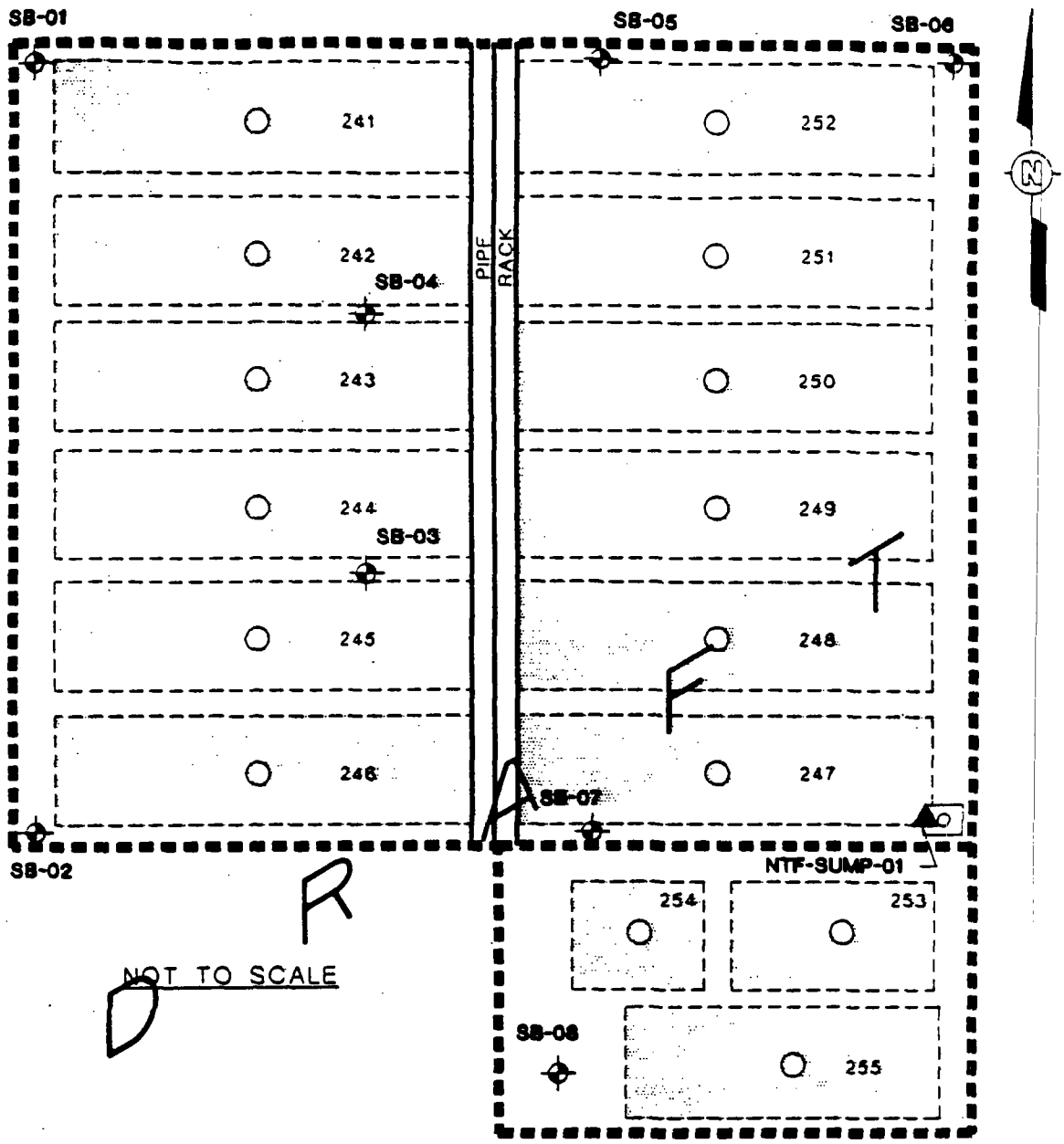

NOT TO SCALE

LEGEND

- TANK TO BE CLOSED
- UNREGULATED TANKS
- 241 EPA ID NUMBER
- SUMP
- CONCRETE DIKING
- SB-01 SOIL BORING LOCATIONS
- NTF-SUMP-01 SUMP SAMPLING LOCATION

FIGURE 7

SOIL BORING AND SUMP LOCATIONS
NORTH TANK FARM

KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
CHICAGO, ILLINOIS

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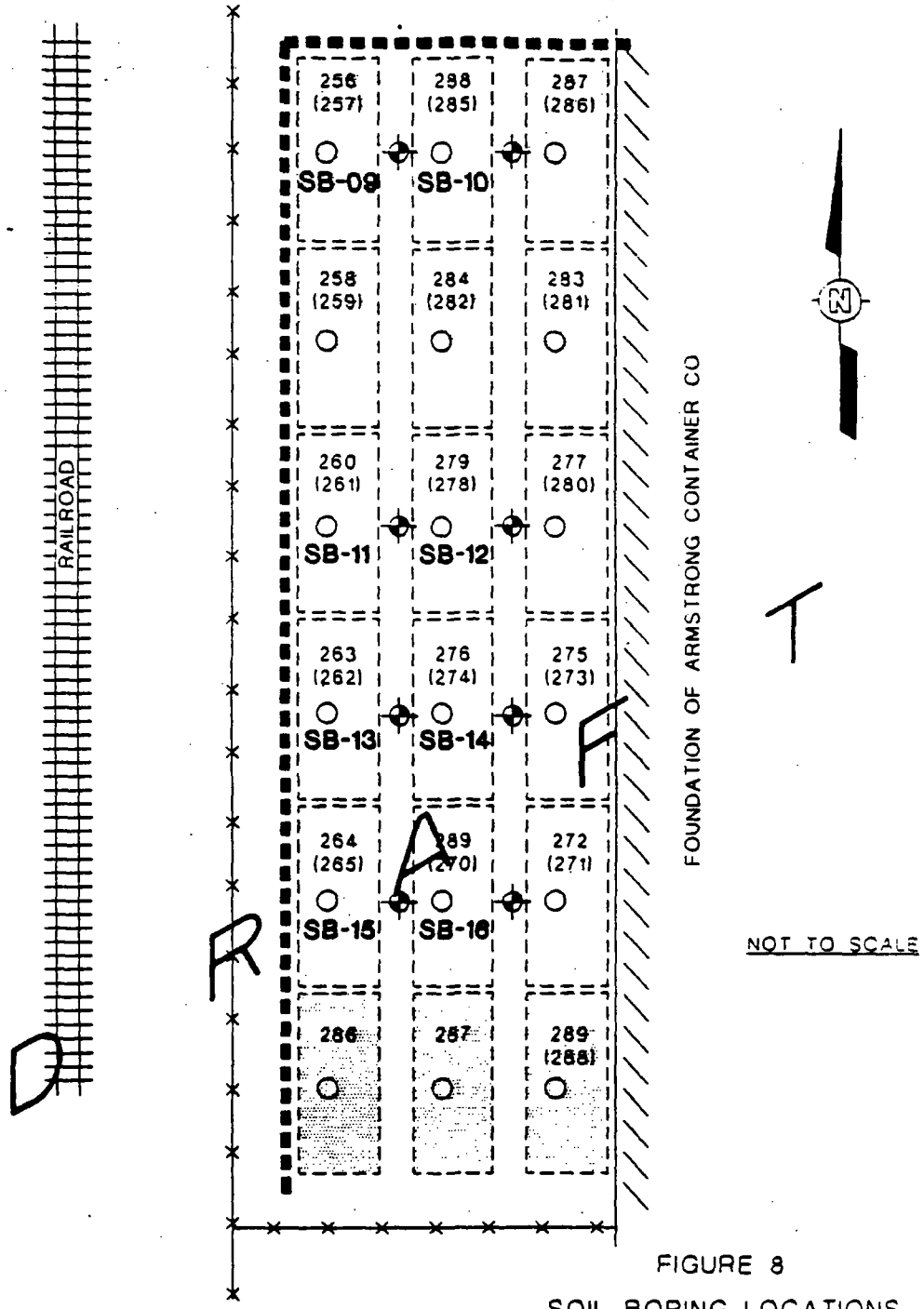

FIGURE 8

SOIL BORING LOCATIONS
SOUTH TANK FARM

KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
CHICAGO, ILLINOIS

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LEGEND

- TANKS TO BE CLOSED
- UNREGULATED TANKS
- 241 EPA ID NUMBER
- CONCRETE DIKING
- SB-09 SOIL BORING LOCATIONS
- FENCE

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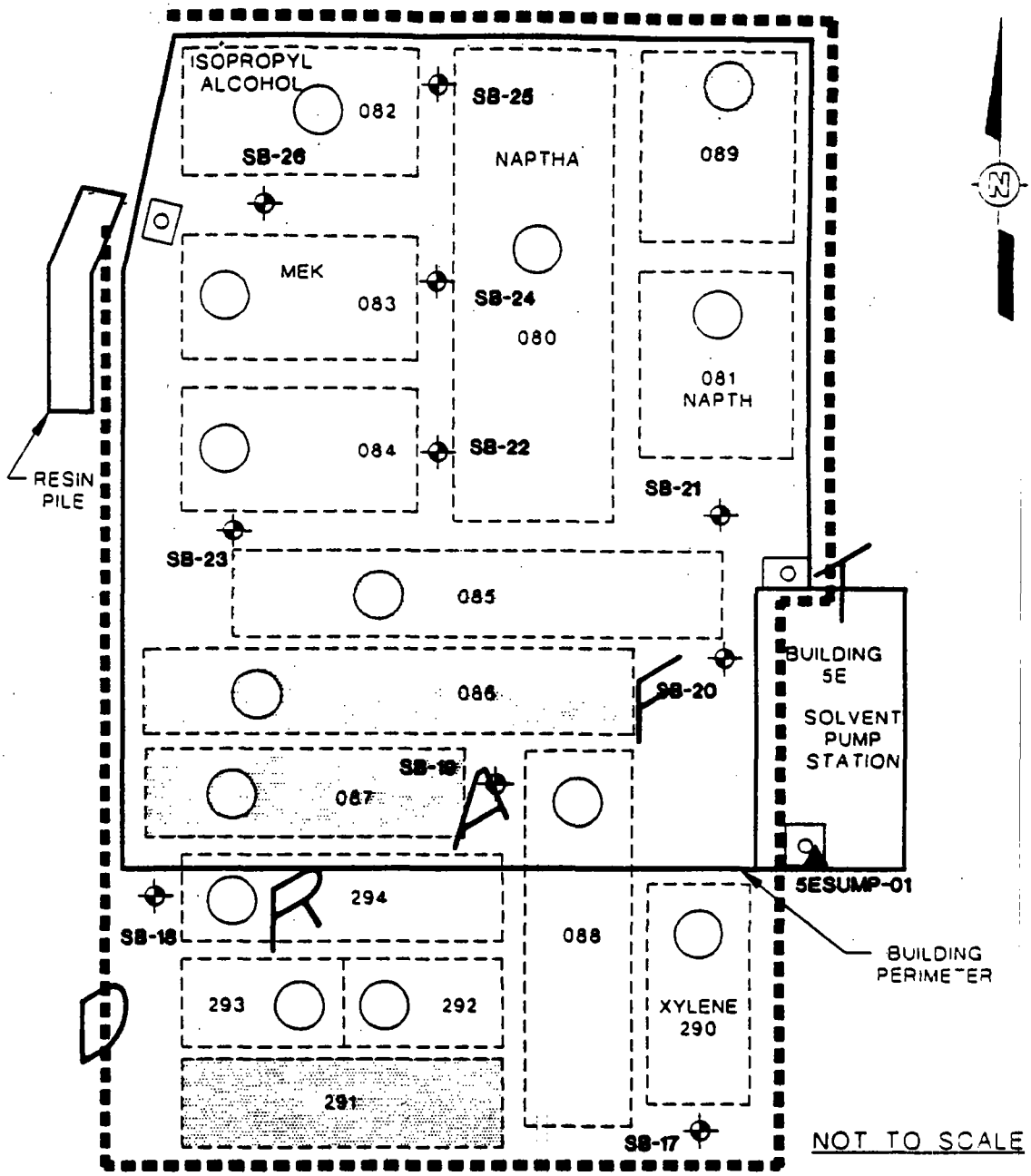
		APPROVED BY			



LEGEND

- TANK TO BE CLOSED
- UNREGULATED TANKS
- 088 EPA ID NUMBER
- SUMP
- CONCRETE DIKING
- SB-23 SOIL BORING LOCATIONS
- 5ESUMP-01 SUMP SAMPLING LOCATION

FIGURE 9
SOIL BORING AND SUMP LOCATIONS
COOPER'S PIT

KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
CHICAGO, ILLINOIS

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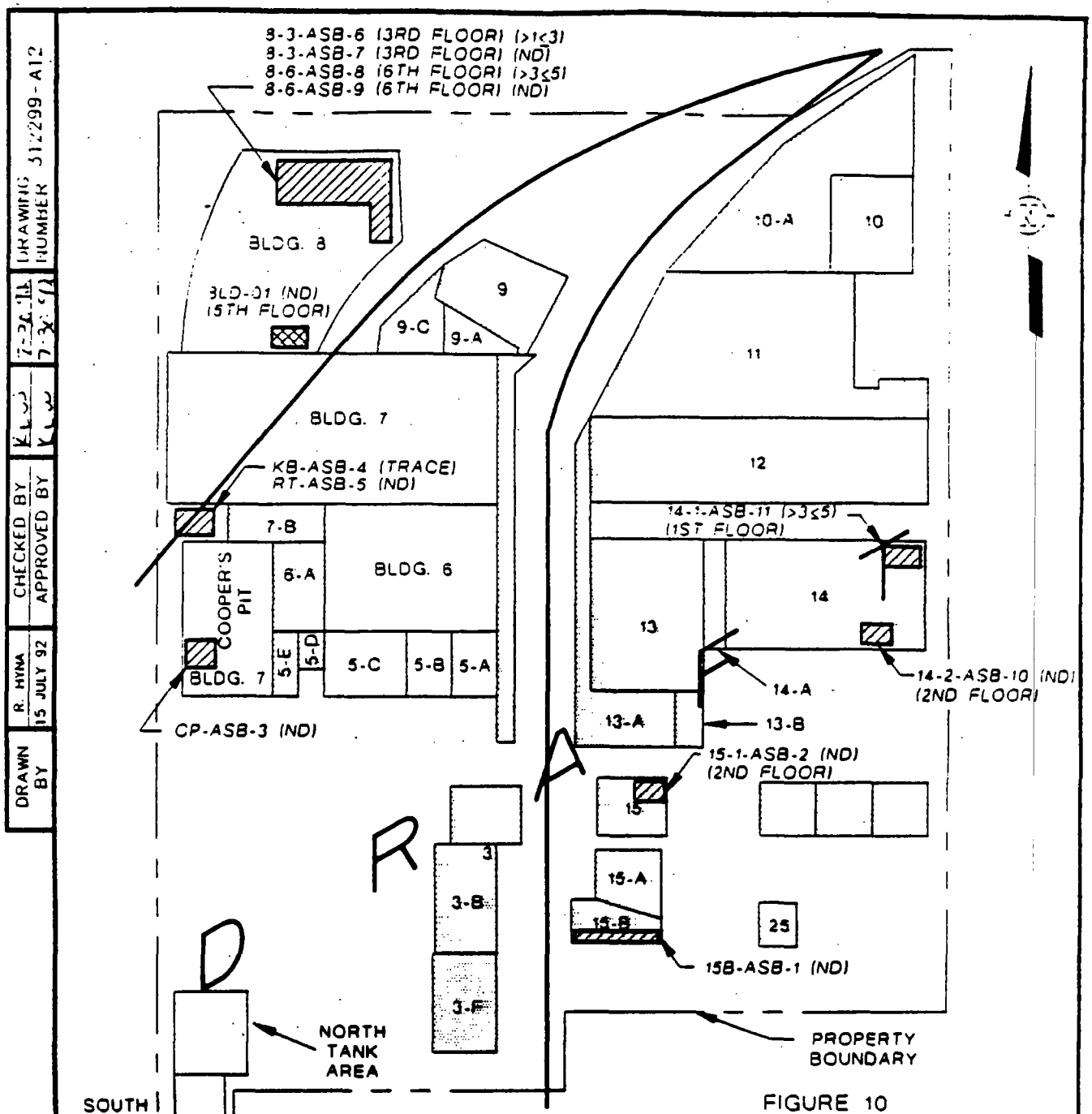

FIGURE 10

DUST COLLECTOR AND ASBESTOS SAMPLING LOCATIONS WITH TCLP LEAD AND ASBESTOS CONCENTRATIONS

KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
CHICAGO, ILLINOIS

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LEGEND

	TANK CLOSURE AREAS
	BUILDINGS WITHOUT REGULATED TANKS
	RAILROAD
	ASBESTOS SAMPLING LOCATIONS
	DUST COLLECTOR SAMPLING LOCATION
15-1-ASB-2	ASBESTOS SAMPLE NUMBER
8LD-01	DUST COLLECTOR SAMPLE NUMBER
(>1<3)	TCLP LEAD OR ASBESTOS CONCENTRATION
ND	NOT DETECTED

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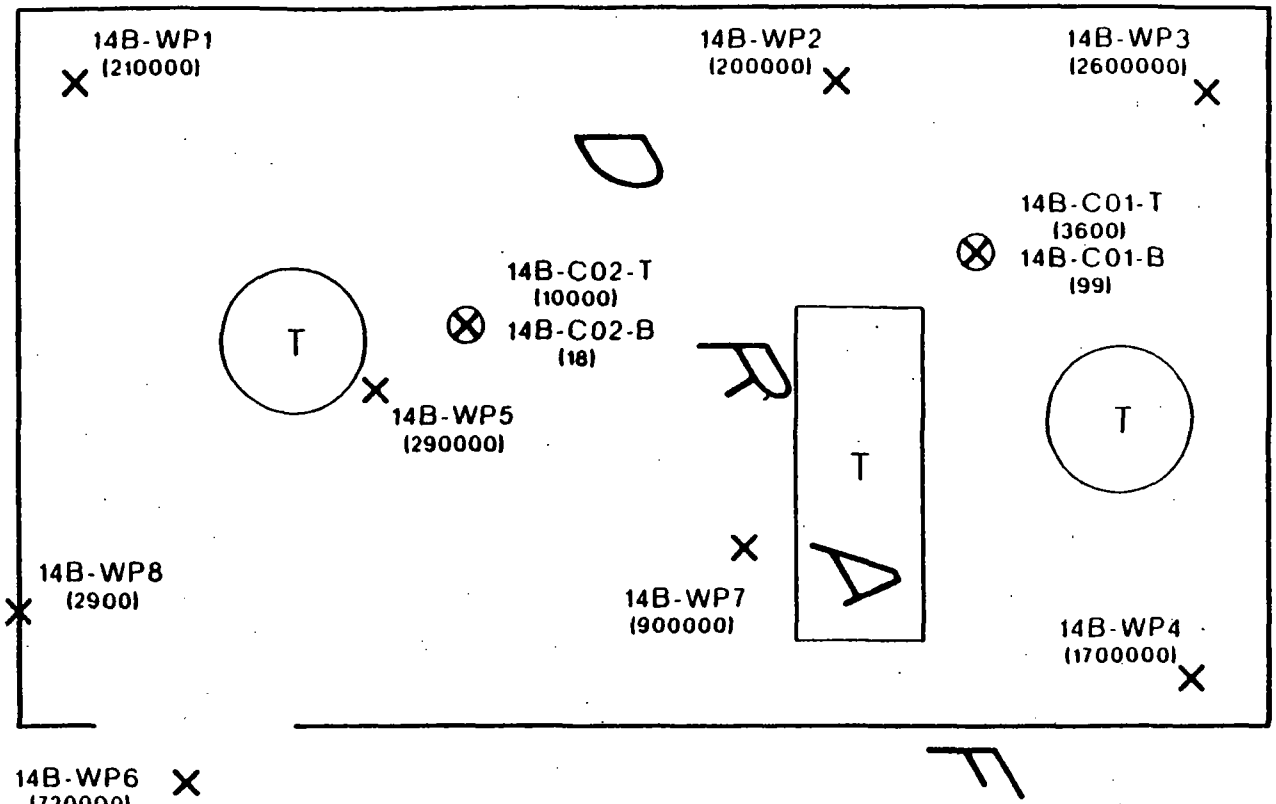

ELECTRIC VAULT IN BUILDING 14-BASEMENT

NOT TO SCALE

NOTE: CONCRETE CORE SAMPLE CONCENTRATIONS ARE REPORTED IN PARTS PER MILLION AND WIPE SAMPLE CONCENTRATIONS ARE REPORTED IN ug/100cm^2

FIGURE 11

PCB SAMPLING LOCATIONS AND CONCENTRATIONS BUILDING 14-BASEMENT

KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
CHICAGO, ILLINOIS

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LEGEND

⊗ : CONCRETE CORE SAMPLE LOCATION

X : WIPE SAMPLE LOCATION

T : TRANSFORMER

(2900) : AROCLOR 1260 CONCENTRATION

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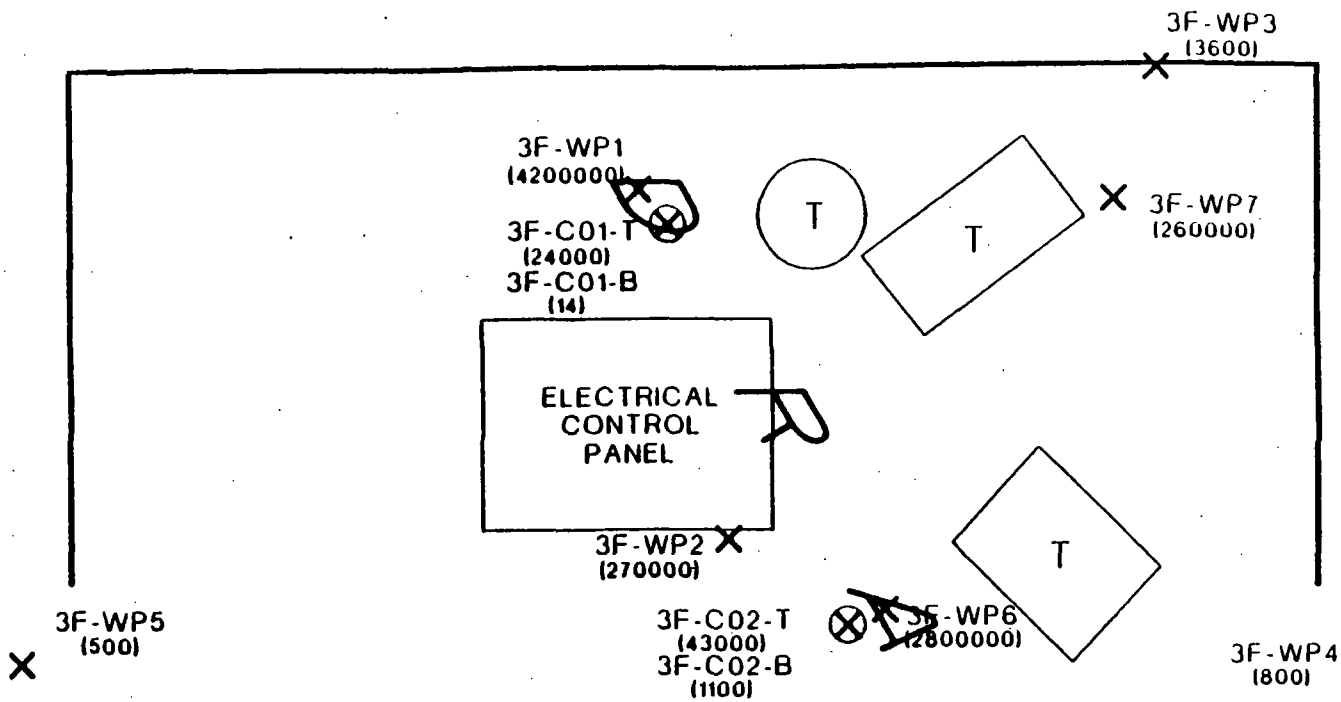

NOT TO SCALE

NOTE: CONCRETE CORE SAMPLE CONCENTRATIONS ARE REPORTED IN PARTS PER MILLION AND WIPE SAMPLE CONCENTRATIONS ARE REPORTED IN $ug/100cm^2$.

BUILDING 3-F

LEGEND

⊗ : CONCRETE CORE SAMPLE LOCATION

X : WIPE SAMPLE LOCATION

T : TRANSFORMER

(1100) : AROCLOR 1260 CONCENTRATION

FIGURE 12

PCB SAMPLING LOCATIONS AND CONCENTRATIONS BUILDING 3-F

KILBOURN AVENUE SITE
1330 S. KILBOURN AVE
CHICAGO, ILLINOIS

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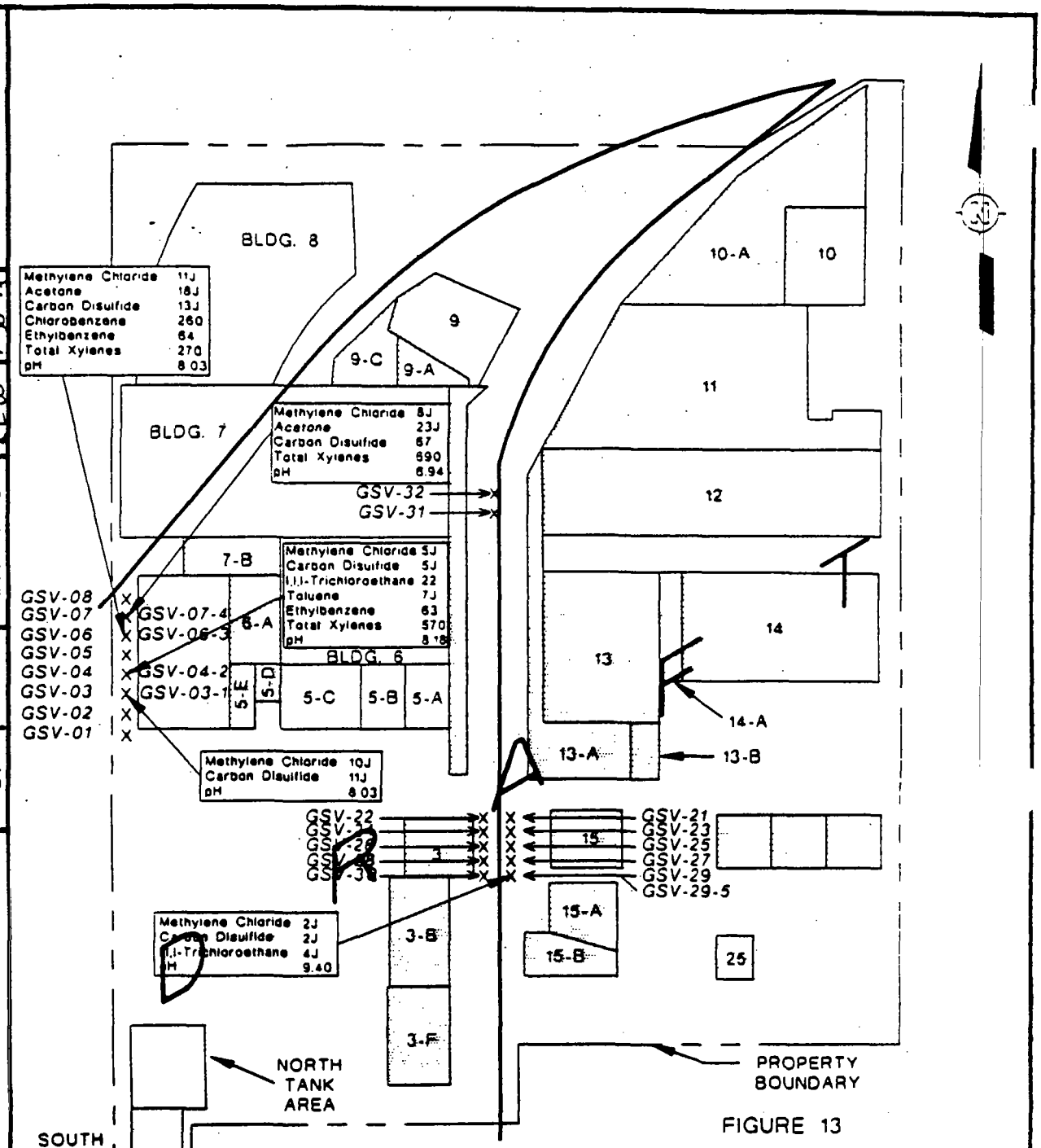

NOT TO SCALE

LEGEND

- TANK CLOSURE AREAS
- BUILDINGS WITHOUT REGULATED TANKS
- RAILROAD
- GSV-29-5 → X SOIL VAPOR SURVEY AND SOIL SAMPLING LOCATIONS
- J ESTIMATED VALUE

NOTE: CONCENTRATIONS REPORTED IN PARTS PER BILLION.

FIGURE 13

SOIL VAPOR SURVEY AND SOIL SAMPLING LOCATIONS WITH VOC CONCENTRATIONS

KILBOURN AVENUE SITE
1330 S. KILBOURN AVE
CHICAGO, ILLINOIS

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7-30-92 7-30-92

CHECKED BY APPROVED BY

R. HYNA 15 JULY 92

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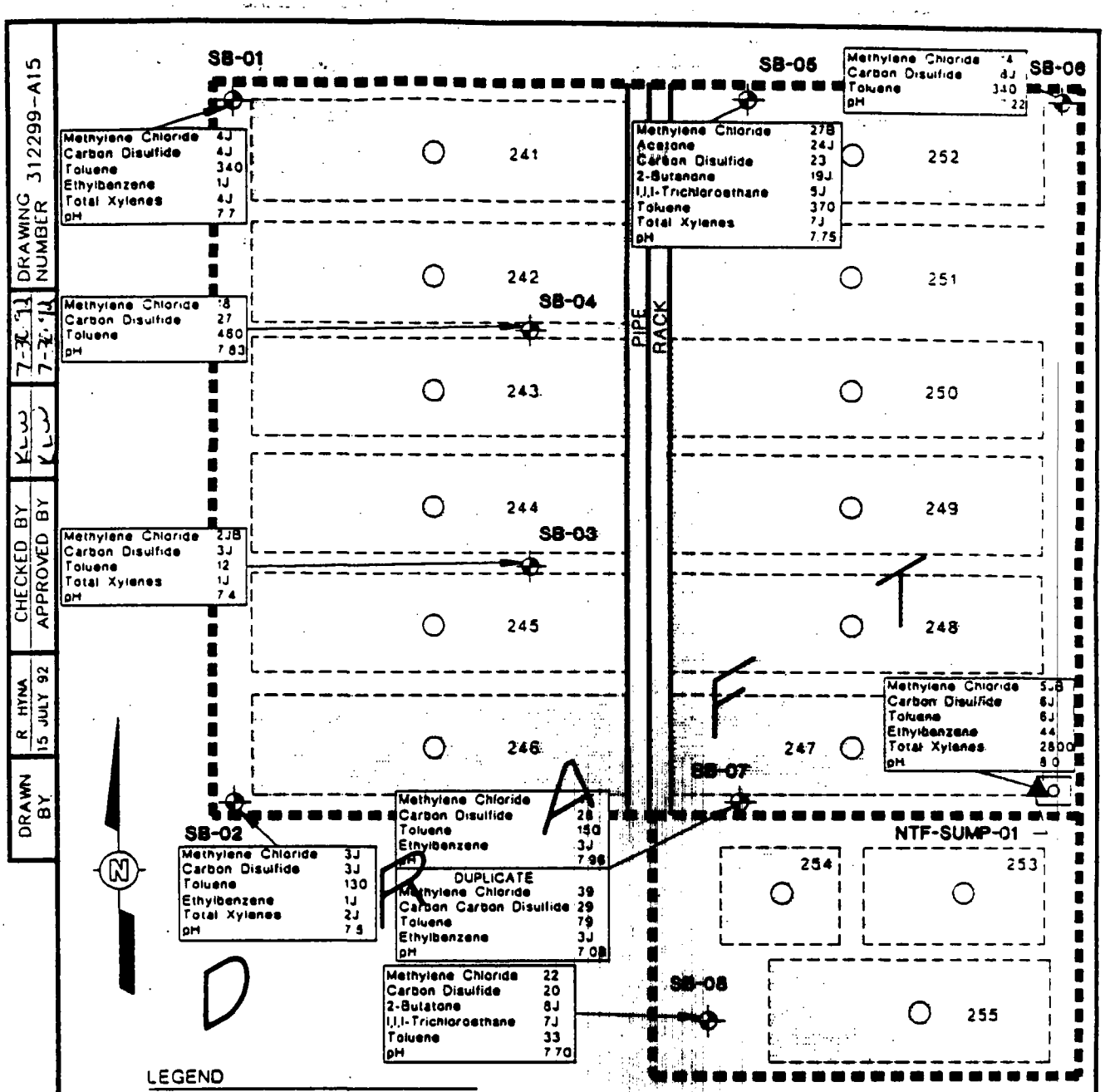

LEGEND

- TANK TO BE CLOSED
- UNREGULATED TANKS
- 241 EPA ID NUMBER
- SUMP
- CONCRETE DIKING
- SB-01 SOIL BORING LOCATIONS
- SUMP SAMPLING LOCATION
- NTF-SUMP-01
- J ESTIMATED VALUE
- B COMPOUND WAS DETECTED IN LABORATORY BLANK

NOTE: CONCENTRATIONS REPORTED IN PARTS PER BILLION.

FIGURE 14

SOIL BORING AND SUMP LOCATIONS WITH VOC CONCENTRATIONS FROM 0-6 INCH DEPTH NORTH TANK FARM

KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
CHICAGO, ILLINOIS

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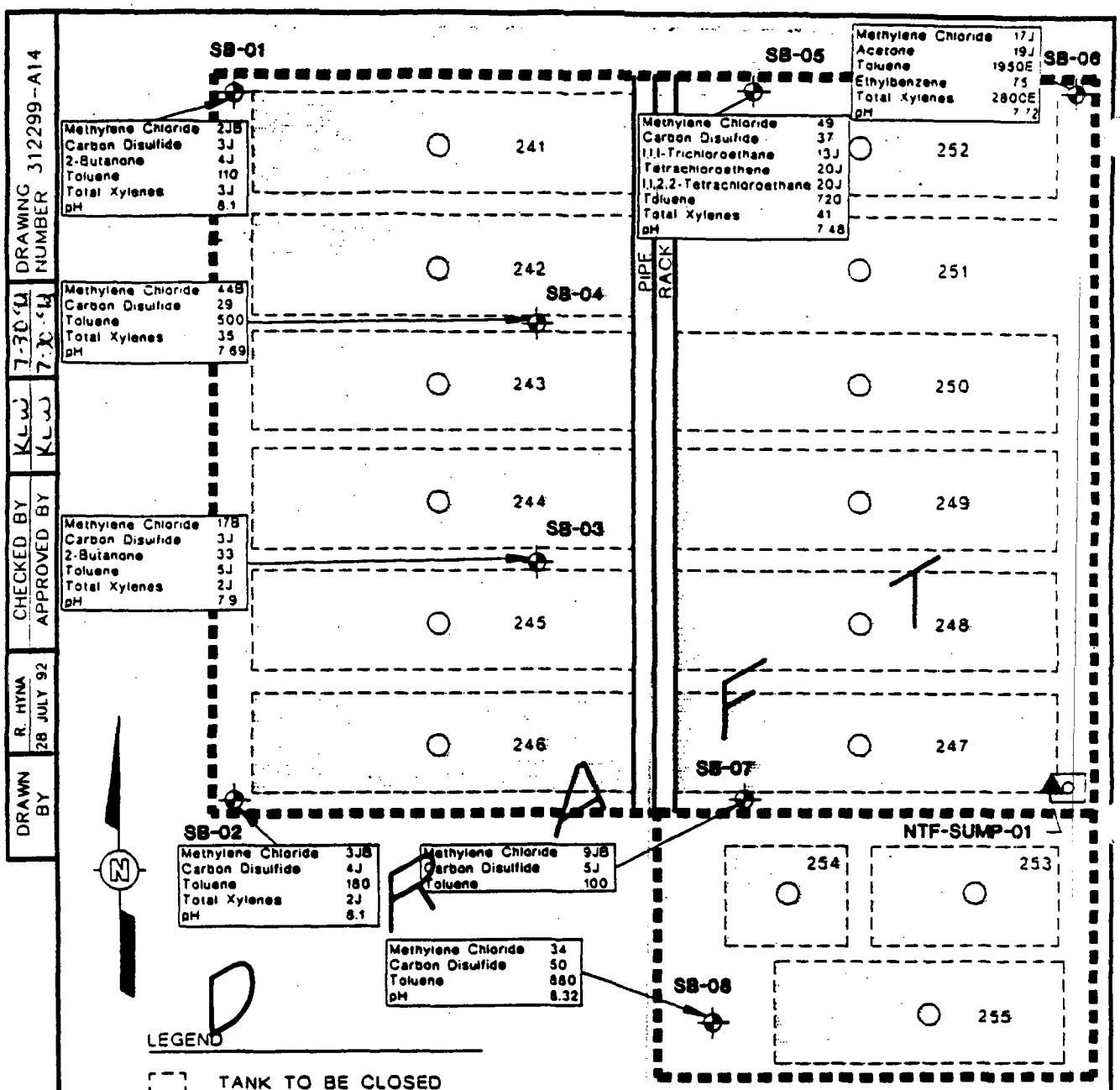

LEGEND

- TANK TO BE CLOSED
- UNREGULATED TANKS
- 241 EPA ID NUMBER
- SUMP
- CONCRETE DIKING
- SB-01 SOIL BORING LOCATIONS
- SUMP SAMPLING LOCATION
- NTF-SUMP-01
- J ESTIMATED VALUE
- B COMPOUND WAS DETECTED IN LABORATORY BLANK
- E CONCENTRATION EXCEEDED SCALE OF GC SO SAMPLE WAS DILUTED

NOTE: CONCENTRATIONS REPORTED IN PARTS PER BILLION.

FIGURE 15

SOIL BORING AND SUMP LOCATIONS WITH VOC CONCENTRATIONS FROM 6-8 FOOT DEPTH NORTH TANK FARM

KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
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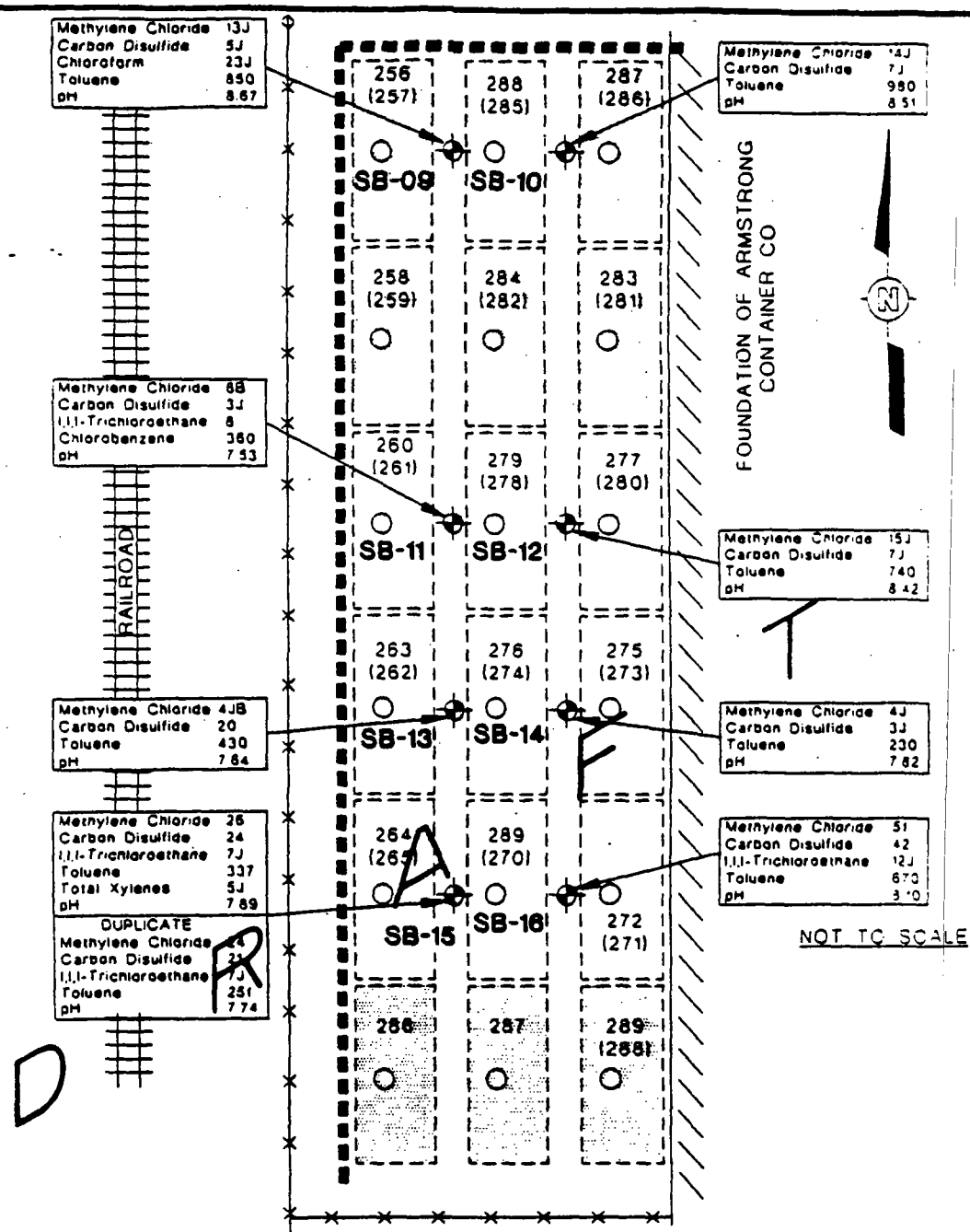

LEGEND

- TANKS TO BE CLOSED
- UNREGULATED TANKS
- 241 EPA ID NUMBER
- CONCRETE DIKING
- SB-09 SOIL BORING LOCATIONS
- FENCE
- J ESTIMATED VALUE
- B COMPOUND DETECTED IN IN LABORATORY BLANK

NOTE: CONCENTRATIONS REPORTED IN PARTS PER BILLION

FIGURE 16
SOIL BORING LOCATIONS WITH VOC CONCENTRATIONS FROM 0-6 INCH DEPTH
SOUTH TANK FARM

KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
CHICAGO, ILLINOIS

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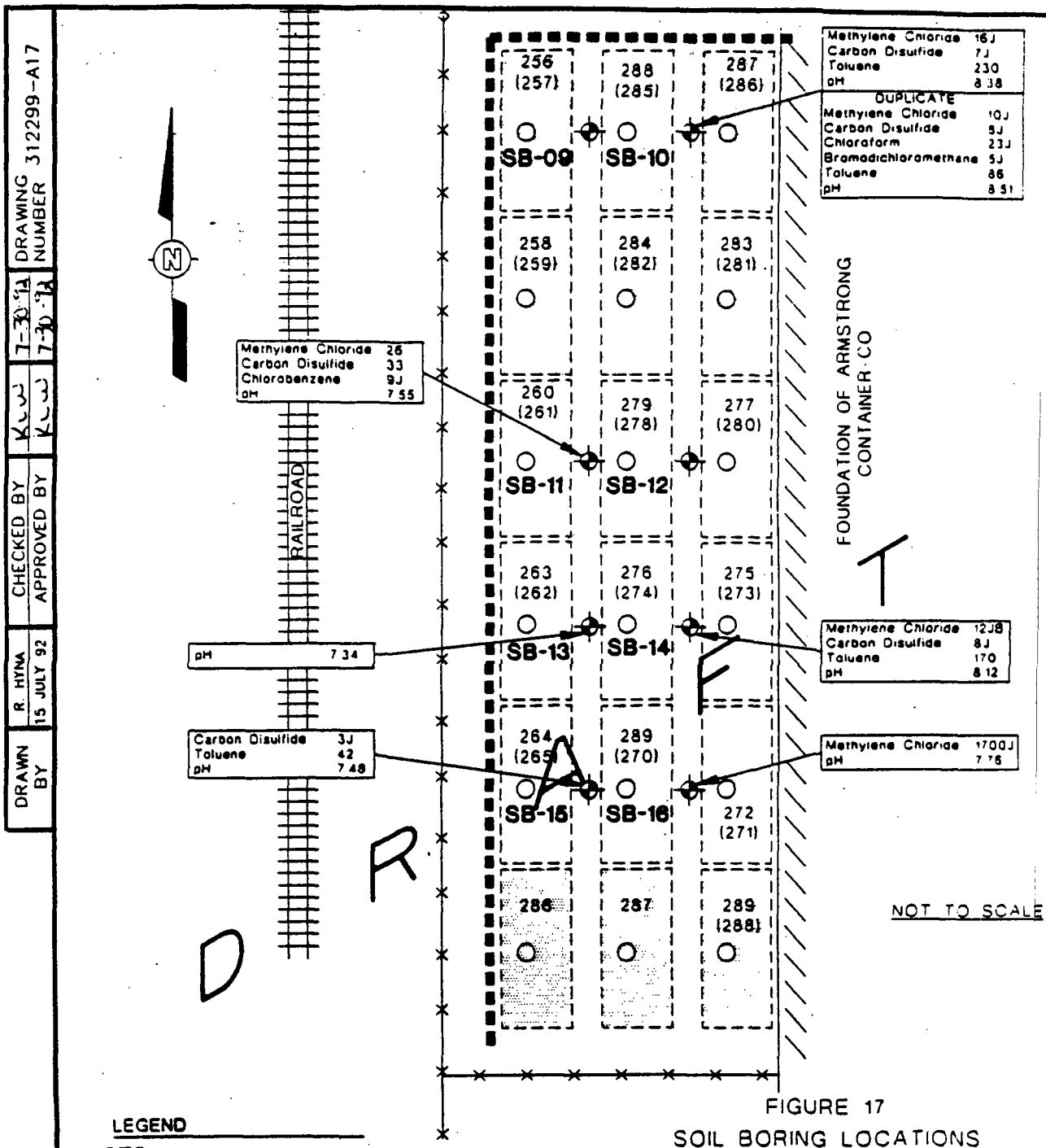

LEGEND

- TANKS TO BE CLOSED
- UNREGULATED TANKS
- 241 EPA ID NUMBER
- CONCRETE DIKING
- SB-09 SOIL BORING LOCATIONS
- FENCE
- J ESTIMATED VALUE
- B COMPOUND DETECTED IN IN LABORATORY BLANK

NOTE: CONCENTRATIONS REPORTED IN PARTS PER BILLION

FIGURE 17
SOIL BORING LOCATIONS WITH VOC CONCENTRATIONS FROM 4-6 FOOT DEPTH
SOUTH TANK FARM
KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
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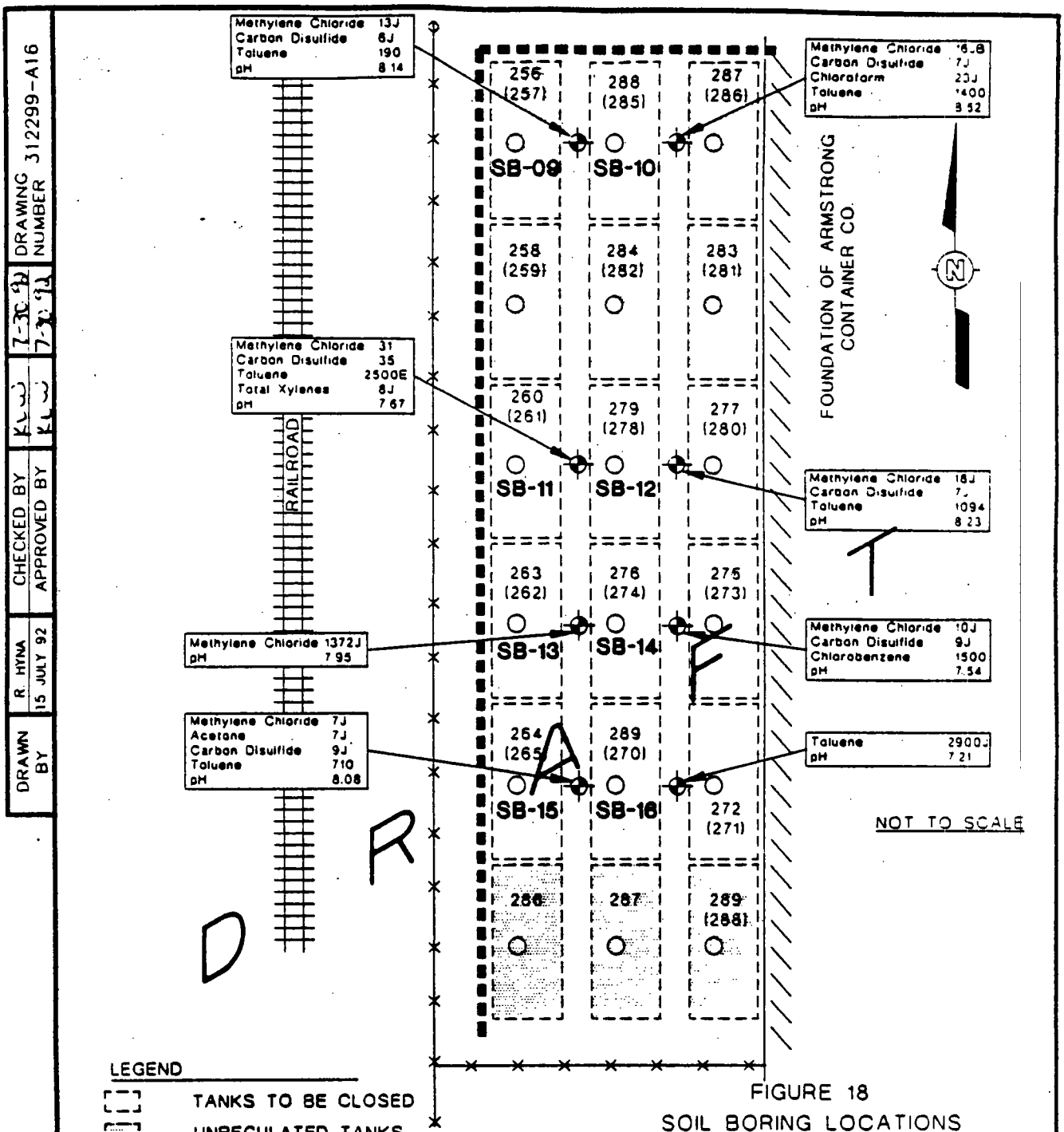

LEGEND

- TANKS TO BE CLOSED
- UNREGULATED TANKS
- 241 EPA ID NUMBER
- CONCRETE DIKING
- SB-09 SOIL BORING LOCATIONS
- FENCE
- J ESTIMATED VALUE
- B COMPOUND DETECTED IN IN LABORATORY BLANK
- E CONCENTRATION EXCEEDED SCALE OF GC SO SAMPLE WAS DILUTED

NOTE: CONCENTRATIONS REPORTED IN PARTS PER BILLION

FIGURE 18
SOIL BORING LOCATIONS WITH VOC CONCENTRATIONS FROM 6-8 FOOT DEPTH
SOUTH TANK FARM
KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
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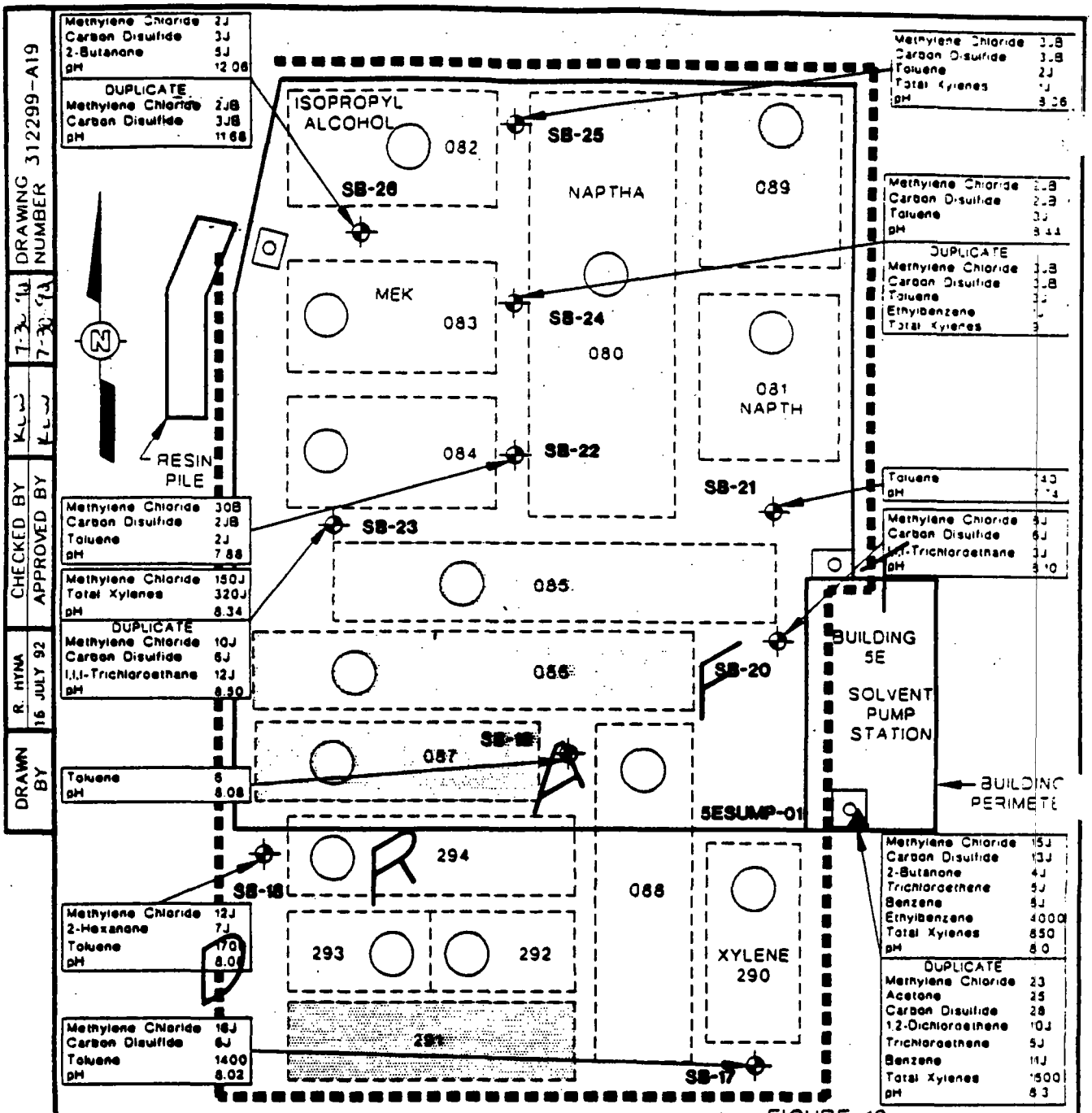

LEGEND

- TANK TO BE CLOSED
- UNREGULATED TANKS
- 088 EPA ID NUMBER
- SUMP
- CONCRETE DIKING
- SB-23 SOIL BORING LOCATIONS
- 5ESUMP-01 SUMP SAMPLING LOCATION
- J ESTIMATED VALUE
- B COMPOUND DETECTED IN LABORATORY BLANK

NOTE: CONCENTRATIONS ARE REPORTED IN PARTS PER BILLION.

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FIGURE 19

SOIL BORING AND SUMP LOCATIONS WITH VOC CONCENTRATIONS FROM 0-6 INCH DEPTH
COOPER'S PIT
KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
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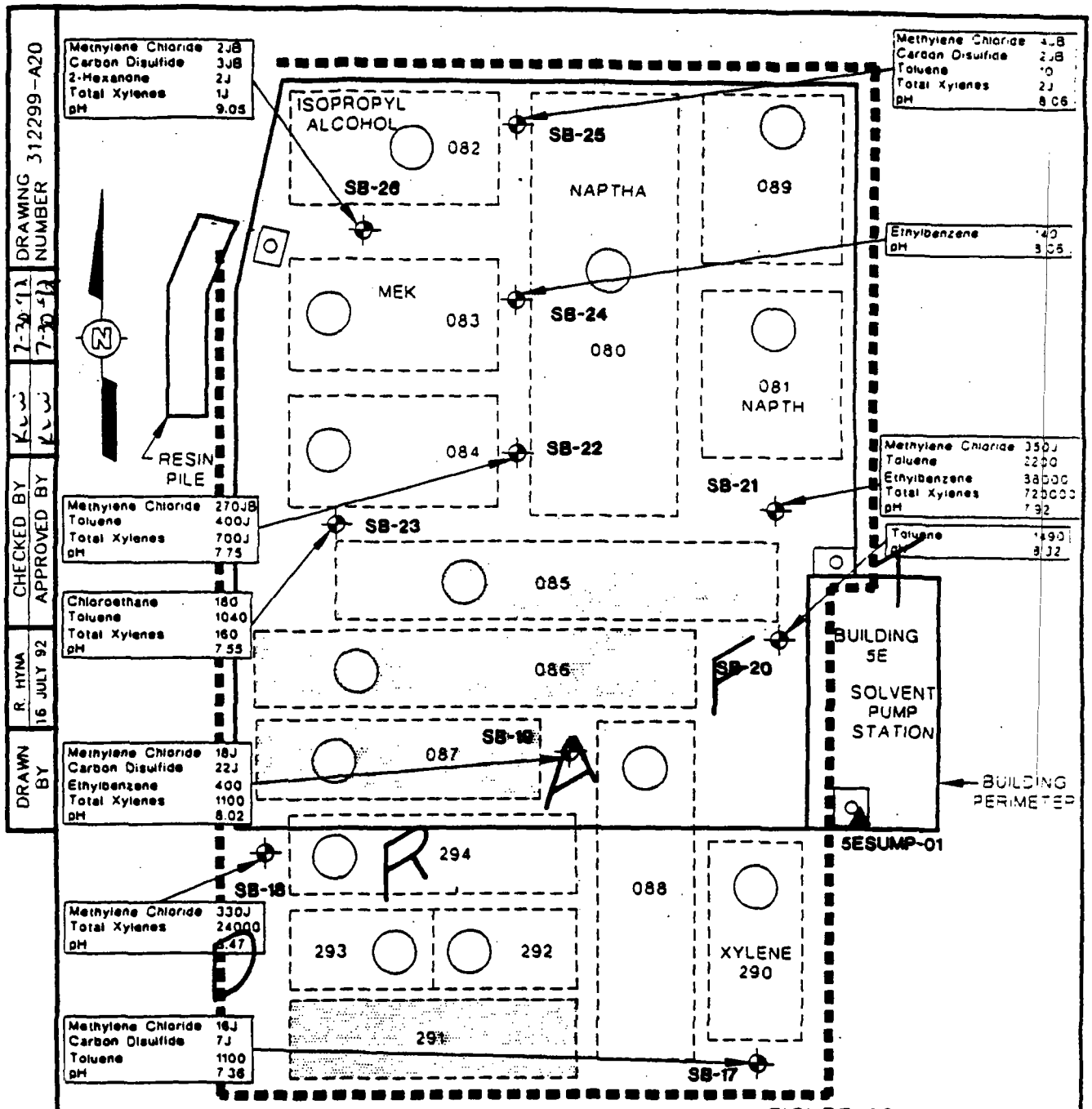

LEGEND

- TANK TO BE CLOSED
- UNREGULATED TANKS
- 088 EPA ID NUMBER
- SUMP
- CONCRETE DIKING
- SB-23 SOIL BORING LOCATIONS
- 5ESUMP-01 SUMP SAMPLING LOCATION
- J ESTIMATED VALUE
- B COMPOUND DETECTED IN LABORATORY BLANK

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FIGURE 20
SOIL BORING LOCATIONS
WITH VOC CONCENTRATIONS
FROM 2-7 FOOT DEPTH
COOPER'S PIT
KILBOURN AVENUE SITE
1330 S. KILBOURN AVE.
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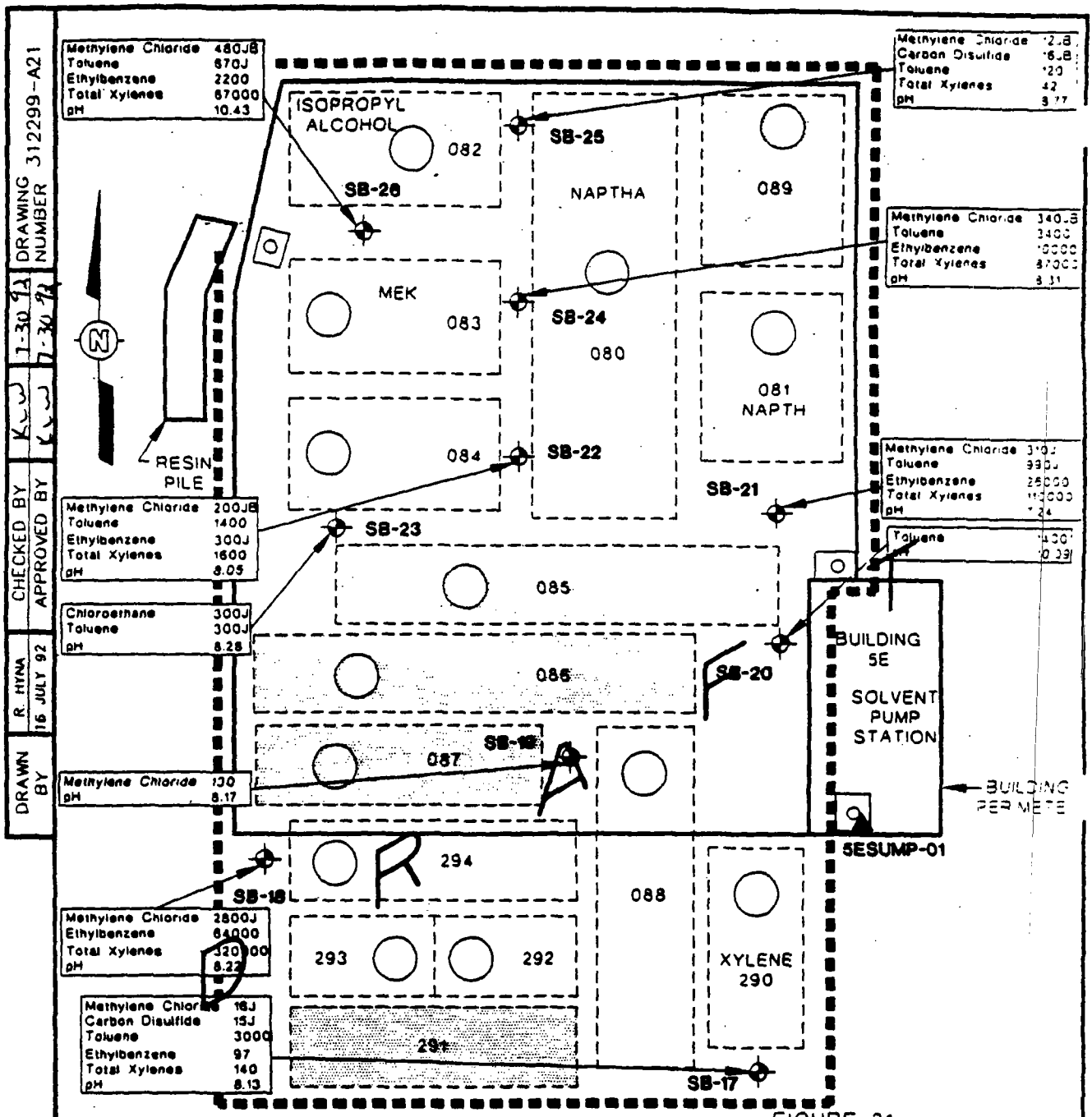

LEGEND

- TANK TO BE CLOSED
- UNREGULATED TANKS
- 088 EPA ID NUMBER
- SUMP
- CONCRETE DIKING
- SB-23 SOIL BORING LOCATIONS
- 5ESUMP-01 SUMP SAMPLING LOCATION
- J ESTIMATED VALUE
- B COMPOUND DETECTED IN LABORATORY BLANK

NOTE: CONCENTRATIONS ARE REPORTED IN PARTS PER BILLION.

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FIGURE 21

SOIL BORING LOCATIONS WITH VOC CONCENTRATIONS FROM 6-12 FOOT DEPTH COOPER'S PIT

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1330 S. KILBOURN AVE.
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ANALYTICAL SERVICES

RECEIVED MAY 1992

CERTIFICATE OF ANALYSIS

IT Corporation
333 Pierce Road
Itasca, IL 60143

Date: May 18, 1992

Attn: Kristian Webb

Job Number 21691

This is the Certificate of Analysis for the following samples:

Client Project ID:	Kilbourn
Date Received:	May 9, 1992
Work Order:	X2-05-085
Number of Samples:	11
Sample Type:	Bulk

I. Introduction

Eleven samples arrived at ITAS Cincinnati on May 9, 1992. The samples were collected on May 8, 1992 and were labeled as follows:

15B-ASB-01	KB-ASB-4	8-3-ASB-7	14-2-ASB-10
15-1-ASB-2	RT-ASB-5	8-6-ASB-8	14-1-ASB-11
CP-ASB-3	8-3-ASB-6	8-6-ASB-9	

II. Analytical Results/Methodology

The analytical results for this report are presented by analytical test. The data will include sample identification information, the analytical results, and the appropriate detection limits.

The analysis requested Asbestos. The samples were analyzed by Data Chem Laboratories under an ITAS Subcontact.

Reviewed and Approved by:

Tim Soward

Tim Soward
Project Manager
205085

IT ANALYTICAL SERVICES
CINCINNATI, OH

Polarized Light Microscopy
Asbestos Analysis Summary

Date: 5/14/92
Page: 1

Sample Set ID Number: 92-A-1756

Client Sample #:	15B-ASB-01	15-1-ASB-02	CP-ASB--3	KB-ASB--4	RT-ASB-5
Lab ID #:	01	02	03	04	05
MACROSCOPIC EXAMINATION:					
Sample Accepted or Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Heterog.	Heterog	Homog.	Homog.	Homog.
Color:	White	Yellow	Grey	Tan	Black
Texture:	Crumbly	Fibrous	Crumbly	Crumbly	Fibrous
Sample Description:	Material	Insulation	Material	Material	Shingle
Analysis:	PLM	PLM	PLM	PLM	PLM
ASBESTIFORM MINERALS:					
% Chrysotile:				Trace	
% Amosite:				Trace	
% Crocidolite:					
% Tremolite:					
% Actinolite					
% Anthophyllite					
% Total Asbestos	ND	ND	ND	Trace	ND
OTHER MATERIALS:					
% Cellulose:	>3≤5	Trace	>1≤3	>1≤3	>50≤60
% Fiberglass:		>80≤90			
% Mineral Wool:					
% Other Fibrous:					
% Resin/Binder:	>5≤10	>3≤5	>5≤10	>5≤10	>20≤30
% Other Non-Fibrous:	>80≤90	>1≤3	>80≤90	>80≤90	>10≤20

Special Prep. Procedures:

*Notes:

IT ANALYTICAL SERVICES
CINCINNATI, OH

Polarized Light Microscopy
Asbestos Analysis Summary

Sample Set ID Number: 92-A-1756

Date: 5/14/92
Page: 2

Client Sample #:	8-3-ASB-6	8-3-ASB-7	8-6-ASB-8	8-6-ASB-9	14-2-ASB-10
Lab ID #:	06	07	08	09	10
MACROSCOPIC EXAMINATION:					
Sample Accepted or Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Layered	Homog.	Layered	Homog.	Homog.
Color:	Grey/Black	Grey	Tan/Black	Grey	Tan
Texture:	Cmpt/Adhs	Fibrous	Cmpt/Adhs	Crumbly	Fibrous
Sample Description:	Tile/Mastic	Material	Tile/Mastic	Material	Material
Analysis:	PLM	PLM	PLM	PLM	PLM
ASBESTIFORM MINERALS:					
% Chrysotile:	>1≤3		>3≤5		
% Amosite:					
% Crocidolite:					
% Tremolite:					
% Actinolite					
% Anthophyllite					
% Total Asbestos	>1≤3	ND	>3≤5	ND	ND
OTHER MATERIALS:					
% Cellulose:	Trace	>30≤40	Trace	Trace	>80≤90
% Fiberglass:					
% Mineral Wool:		>40≤50			
% Other Fibrous:				>1≤3	
% Resin/Binder:	>10≤20	>5≤10	>10≤20	>5≤10	>5≤10
% Other Non-Fibrous:	>70≤80	>5<10	>70≤80	>80≤90	>3≤5

Special Prep. Procedures:

*Notes:

IT ANALYTICAL SERVICES
CINCINNATI, OH

Polarized Light Microscopy
Asbestos Analysis Summary

Sample Set ID Number: 92-A-1756

Date: 5/14/92
Page: 3

Client Sample #:	14-1-ASB-11
Lab ID #:	11

MACROSCOPIC EXAMINATION:

Sample Accepted or Rejected:	Accepted
Homogeneity:	Layered
Color:	Red/Black
Texture:	Cmpt/Adhs
Sample Description:	Tile/Mastic
Analysis:	PLM

ASBESTIFORM MINERALS:

% Chrysotile:	>3≤5
% Amosite:	
% Crocidolite:	
% Tremolite:	
% Actinolite	
% Anthophyllite	
% Total Asbestos	>3≤5

OTHER MATERIALS:

% Cellulose:	Trace
% Fiberglass:	
% Mineral Wool:	
% Other Fibrous:	
% Resin/Binder:	>10≤20
% Other Non-Fibrous:	>70≤80

Special Prep. Procedures:

*Notes: Sample No.: 14-1-ASB-11; Asbestos is present in tile only.

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 556703
Page 1 of 3

Project Name/No. [1] KILBOURNE AVE
Sample Team Members [2] K. WEBB, D. PURCELL
Profit Center No. [3] 3532
Project Manager [4] K. WEBB
Purchase Order No. [6]
Required Report Date [11]

Samples Shipment Date [7] 05-08-92
Lab Destination [8] ITAS - CINCINATTI
Lab Contact [9] TIM SOWARD
Project Contact/Phone [12] P. CAMPBELL (700) 250-7788
Carrier/Waybill No. [13] 2052055482

Bill to: [5]

Report to: [10] KRISTIAN WEBB
IT CORPORATION
333 PIERCE RD SUITE 200
ITASCA, IL. 60143

ONE CONTAINER PER LINE

Sample Number [14]	Sample Description/Type [15]	Date/Time Collected [16]	Container Type [17]	Sample Volume [18]	Pre-servative [19]	Requested Testing Program [20]	Condition on Receipt [21]	Disposal Record No. [22]
15B-ASB-01	ROOFING TILE	05-08-92 0945	4oz	2oz	NONE	ASBESTOS PLM	Samples rec'd in good	
15-1-ASB-2	PIPE INSULATION	05-08-92 0955	↓	↓	↓	↓	condition at 8°C. IT	
CP-ASB-3	ROOFING TILE	05-08-92 0957	↓	↓	↓	↓	sampling tape (used as	
KB-ASB-4	KILN BRICK	05-08-92	↓	↓	↓	↓	col seal) intact on	
RT-ASB-5	ROOFING TILE	05-08-92 1002	↓	↓	↓	↓	shipping cooler 5/9/92	
8-3-ASB-6	FLOOR TILE	05-08-92 1010	↓	↓	↓	↓	[signature]	
8-3-ASB-7	SOUNDPROOFING CEILING TILE	05-08-92 1012	↓	↓	↓	↓		
8-6-ASB-8	FLOOR TILE	05-08-92 1018	↓	↓	↓	↓		

Special Instructions: [23]

Possible Hazard Identification: [24] ASBESTOS
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐

Sample Disposal: [25]
Return to Client ☐ Disposal by Lab ☒ Archive (mos.)

Turnaround Time Required: [26]
Normal ☒ Rush ☐

QC Level: [27]
I. ☒ II. ☐ III. ☐ Project Specific (specify):

1. Relinquished by [28] (Signature/Affiliation) [signature]	Date: 5/8/92 Time: 1660	1. Received by [28] (Signature/Affiliation) [signature] MMS	Date: 5/9/92 Time: 4 [illegible]
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: [29]

White: To accompany samples
Yellow: Field copy
*See back of form for special instructions

MCA 3/15/91

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)*

Reference Document No.[30] 336703
Page 2 of 3

Project Name KILBOURNE AVE

Project No. 312299

Samples Shipment Date 05-08-92

ONE CONTAINER PER LINE

Sample 14 Number	Sample 15 Description/Type	Date/Time 16 Collected	Container 17 Type	Sample 18 Volume	Pre-19 servative	Requested Testing 20 Program	Condition on 21 Receipt	Disposal 22 Record No.
8-6-ASB-9	CEILING TILE	05-08-92 1020	4oz	2oz	4°C NONE	ASBESTOS PLM	Samples rec'd in	
14-2-ASB-10	CEILING TILE	05-08-92 1025	↓	↓	↓	↓	good condition at	
14-1-ASB-11	FLOOR TILE	05-08-92 1030	↓	↓	↓	↓	8°C IT sampling	
~~GSV-03-1~~	~~Soil Vapor Loc. Coopers Pit GSV-03~~	~~5-8-92 1158~~	~~↓~~	~~↓ 4oz~~	~~4°C~~	~~VOC 8240~~	tape (used as [illegible])	
~~GSV-03-1~~	~~↓~~	~~↓~~	~~↓~~	~~↓~~	~~↓~~	~~pH 9040~~	[illegible] on shipping [illegible])	
~~GSV-04-2~~	~~Coopers Pit GSV-04~~	~~5-8-92 12:20~~	~~↓~~	~~↓~~		~~VOC 8240~~	5/9/92	
~~↓~~	~~↓~~	~~↓~~	~~↓~~	~~↓~~		~~pH 9040~~	[illegible]	
~~GSV-06-3~~	~~Coopers Pit GSV-06~~	~~5-8-92 12:48~~				~~VOC 8240~~		
~~↓~~	~~↓~~					~~pH 9040~~		
~~GSV-07-4~~	~~Coopers Pit GSV-07~~	~~5-8-92 1310~~				~~VOC 8240~~		
~~↓~~	~~↓~~	~~↓~~				~~pH 9040~~		
~~GSV-29-5~~	~~[illegible] 3 [illegible] GSV-29~~	~~5-8-92 1330~~				~~VOC 8240~~		
~~↓~~	~~↓~~	~~↓~~	~~↓~~	~~↓~~	~~↓~~	~~pH 9040~~		
~~RB-01~~	~~Rinsate~~	~~5-8-92 1350~~	~~40ml~~	~~80ml~~	~~4°C~~	~~VOC 8240~~		
~~SB-20~~	~~7-9'~~	~~5-8-92 1030~~	~~4oz~~	~~4oz~~	~~4°C~~	~~pH 9040~~		
~~↓~~	~~7-9'~~	~~5-8-92 1035~~				~~VOC 8240~~		
~~↓~~	~~5-7'~~	~~5-8-92 1020~~				~~pH 9040~~		
~~↓~~	~~5-7'~~	~~5-8-92 1020~~				~~VOC 8240~~		
~~SB-21~~	~~0-6"~~	~~5-8-92 1145~~				~~pH 9040~~		
~~SB-~~	~~0-6"~~	~~5-8-92 1145~~				~~VOC 8240~~		

White: To accompany samples

Yellow: Field copy

*See back of form for special instructions

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

IT Corporation
333 Pierce Road
Itasca, IL 60143

Date: May 19, 1992

Attn: Kristian Webb

Project Number 21691

This is the Certificate of Analysis for the following samples:

Client Project ID:	Kilbourn Ave.
Date Received:	May 6, 1992
Work Order:	X2-05-047
Number of Samples:	24
Sample Type:	Soils

I. Introduction

Twenty-four samples arrived at ITAS Cincinnati on May 6, 1992. The samples were collected on May 5, 1992 and were labeled as follows:

Wipe # 14B-WP1	Wipe # 14B-WP7	Soil # SB-02 6-8'	Concrete # 14B-CO1-T
Wipe # 14B-WP2	Wipe # 14B-WP8	Soil # SB-03 6-8'	Concrete # 14B-CO2-T
Wipe # 14B-WP3	Soil # SB-01 0-6"	Sludge # 5E Sump-01	Concrete # 14B-CO2-B
Wipe # 14B-WP4	Soil # SB-02 0-6"	Sludge # 5E Sump-01D	Sludge # NTF-Sump-01
Wipe # 14B-WP5	Soil # SB-03 0-6"	Dust # 8LD-01	Water # NTF-Sump-01
Wipe # 14B-WP6	Soil # SB-01 6-8'	Concrete # 14B-CO1-B	Waer # Trip Blank

II. Analytical Results/Methodology

The analytical results for this report are presented by analytical test. The data will include sample identification information, the analytical results, and the appropriate detection limits.

The analyses requested and methods used are listed on the following page.

Reviewed and Approved by:

Tim Soward

Tim Soward
Project Manager
205047

II. Analytical Results/Methodology (cont.)

* Volatile Organics by Gas Chromatography/Mass Spectrometry; EPA Method 8240
* Soil pH; EPA Method 9045
* TCLP Lead by Inductively Coupled Plasma Spectroscopy; EPA Method 6010
* PCB's analyzed at ITAS Cerritos

III. Quality Control

Immediately following the analytical data for the samples can be found the QA/QC information that pertains to these samples. The purpose of this information is to demonstrate that the data enclosed is scientifically valid and defensible. This QA/QC data is used to assess the laboratory's performance during the analysis of the samples it accompanies. All quantitations were performed within the calibrated range of the analytical instrument.

IV. Data Report Qualifiers

Following are descriptions of data report qualifiers which may have been used in this analytical report.

U The analyte was not detected in the sample or extract. The value reported with the "U" is the detection limit for that compound in that sample.

VALUE The result is a value equal to or greater than the detection limit for that compound.

J Indicates an estimated value. This flag is used when mass spectral data indicates the presence of the compound, but the result is less than the specified detection limit.

B This flag is used whenever the analyte is found in the blank as well as in the sample.

V. Comments

Concrete samples 14B-CO1-B, 14B-CO1-T, 14B-CO2-T and 14B-CO2-B were submitted to ITAS Cerritos for PCB analysis. They are reported on a separate certificate from Cerritos. A TCLP dust # 8LD-01 will be reported separately.

VI. Nonconformances

Samples SB-02 6-8, 5E Sump-01, 5E Sump-01D and Water NTF-Sump-01 has high levels of hydrocarbons and toluene, causing the surrogates to be high for d8-toluene. This is an obvious matrix effect.

APPENDIX K

TANK SUMMARY

ATTACHMENT G
TANK SUMMARY

Because of the large number of tanks at the abandoned paint plant located at 1330 South Kilbourn Street in Chicago, Illinois, PRC Environmental Management, Inc. (PRC), has summarized available information in this attachment to the Preliminary Assessment/Visual Site Inspection (PA/VSI) report. The information in the attached tables was gathered from various sources located during the PA, including IT, 1990b; Kinsey, 1987; and Waste Reduction, 1985 (refer to References in the PA/VSI report). Where possible, PRC attempted to correlate available information with observations made at the site during the VSI.

Because of the sheer number of tanks at the site, the limited guidance available from facility representatives during the VSI, and safety concerns regarding entry into certain areas, some parts of the site were not observed. PRC attempted to gather information regarding the areas and include it with the tables in this attachment.

The tables in this attachment should not be viewed as a complete list of tanks at the facility. Certain tanks included in these tables have been removed from the site. PRC believes that other tanks not yet identified may exist at the site. The various information sources are generally in agreement about the status of various tanks, but this is not always the case. Where conflicting data exist, PRC used its best judgment in presenting the available information.

On the seventh floor of Building 8, past inventories have noted used equipment thought to be a filter press. Past inventories have also noted the presence of five kettles and one tank in Building 15. According to these inventories, the contents of the equipment were nonhazardous (Waste Reduction, 1985). The information available about this equipment was too sketchy to be included in the attached tables.

A list of tables included in this attachment is provided on the following pages.

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TABLE G-1

SUMMARY OF NORTH TANK FARM TANKS

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
241	U-26	8,000	No	No	Unknown[e]	Empty
242	U-27	8,000	No	No	Unknown[e]	Empty
243	U-28	8,000	No	No	Unknown[e]	Empty
244	U-29	8,000	No	No	Unknown[e]	Empty
245	U-30	8,000	Yes	Yes	Butyl Acetate (D001)	Empty
246	U-31	8,000	No	No	Unknown[e]	Empty
247	U-32	8,000	No	No	Unknown[e]	Empty
248	U-33	8,000	No	No	Unknown[e]	Empty
249	U-34	8,000	No	No	Unknown[e]	Empty
250	U-35	8,000	No	No	Unknown[e]	Empty
251	U-36	8,000	Yes	Yes	Butanol (U031)	Empty
252	U-37	8,000	Yes	Yes	Mineral Spirits (D001)	Empty
253	U-38	4,500	No	No	Unknown[e]	Empty
254	U-39	2,500	No	No	Unknown[e]	Empty
255	U-40	6,000	No	No	Unknown[e]	Empty

TABLE G-1 (Continued)

SUMMARY OF NORTH TANK FARM TANKS

Notes:

[a] Tanks were cleaned in 1985 during response actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 1986 and 1987 by Kinsey.

[c] Tank contents were estimated in 1985 during response actions inititated by the 4(q) Notice.

[d] Current tank contents were inventoried by Valspar in the October 1990 Settlement Proposal.

[e] Tank was empty in 1985 during response actions initiated by the 4(q) Notice.

Sources: IT, 1990b; Kinsey, 1987; Waste Reduction, 1985

TABLE G-2

SUMMARY OF SOUTH TANK FARM TANKS

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
256, 257	U-43	8,000	No	No	Fuel oil[e]	Oil and liquid
258, 259	U-46	8,000	No	No	Mineral spirits[e]	Yellow solvent
260, 261	U-49	8,000	Yes	Yes	Mineral spirits (D001)	Empty
262, 263	U-52	8,000	Yes	Yes	Mineral spirits (D001)	Empty
264, 265	U-55	8,000	Yes	Yes	Mineral spirits (D001)	Empty
266	U-58	10,000	No	No	Fuel oil	Unknown[f]
267	U-57	8,000	No	No	Linseed oil	Linseed oil
268, 269	U-56	8,000	No	No	Varnishes[e]	Linseed oil
270, 289	U-54	8,000	Yes	Yes	Mineral spirits (D001)	Empty
271, 272	U-53	8,000	Yes	Yes	Mineral spirits (D001)	Empty
273, 275	U-50	8,000	Yes	Yes	Mineral spirits (D001)	Empty
274, 276	U-51	8,000	Yes	Yes	Mineral spirits (D001)	Empty
277, 280	U-47	8,000	Yes	Yes	Mineral spirits[e]	Empty
278, 279	U-48	8,000	Yes	Yes	Mineral spirits (D001)	Empty
281, 283	U-44	8,000	No	No	Varnishes[e]	Brown liquid
282, 284	U-45	8,000	No	No	Unknown[g]	Empty
285, 288	U-42	0[h]	Yes	Yes	Solvent blend[i] (D001)	Empty
286, 287	U-41	8,000	No	No	Fuel oil[e]	Fuel oil

TABLE G-2 (Continued)

SUMMARY OF SOUTH TANK FARM TANKS

Notes:

[a] Tanks were cleaned in 1985 during response actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 1986 and 1987 by Kinsey.

[c] Tank contents were estimated in 1985 during response actions inititated by the 4(q) Notice.

[d] Current tank contents were inventoried by Valspar in the October 1990 Settlement Proposal.

[e] Material is nonhazardous according to IT, 1990b.

[f] This tank was leased to American Cyanimid and was being used in 1985 according to IT, 1990b.

[g] Tank was empty in 1985 during response actions initiated by the 4(q) Notice.

[h] The volume of this tank is 8,000 gallons according to Waste Reduction, 1985.

[i] The solvent blend consists of toluene, xylene, 2-butanone, butanol, ethylbenzene, and mineral spirits according to IT, 1990b.

Sources: IT, 1990b; Kinsey, 1987; Waste Reduction, 1985

TABLE G-3

SUMMARY OF THE COOPER'S PIT TANKS

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
080	U-12	25,000	Yes	Yes	VM&P naphtha (D001)	Empty
081	U-14	10,200	Yes	Yes	Naphtha (D001)	Empty
082	U-11	9,500	Yes	Yes	Isopropanol (D001)	Empty
083	U-10	9,500	Yes	Yes	2-Butanone (U159)	Empty
084	U-09	9,500	Yes	Yes	Solvent blend[e] (D001)	Empty
085	U-06	12,183	No	No	Mineral spirits[f]	Empty-
086	U-05	12,120	No	No	Oil[g]; texanol[h, i]	Clear liquid
087	U-04	8,100	No	No	#140 Aliphatic naphtha[i]	Naphtha
088	U-07	10,200	Yes	Yes	Water[g]; cellosolve[h] (D001)	Empty
089	U-13	10,200	No	No	Water[g]; toluene[h, i]	Clear liquid
290	U-08	5,400	Yes	Yes	Xylene (U239)	Empty
291	U-01	7,630	No	No	Naphtha[i]	Naphtha
292	U-02A	4,052	Yes	Yes	Water[g]; kerosene[h] (D001)	Empty
293	U-02B	4,050	Yes	Yes	Water[g]; kerosene[h] (D001)	Empty
294	U-03	8,100	Yes	Yes	Solvent blend[e] (D001)	Empty

TABLE G-3 (Continued)

SUMMARY OF THE COOPER'S PIT TANKS

Notes:

[a] Tanks were cleaned in 1985 during response actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 1986 and 1987 by Kinsey.

[c] Tank contents were estimated in 1985 during response actions inititated by the 4(q) Notice.

[d] Current tank contents were inventoried by Valspar in the October 1990 Settlement Proposal.

[e] The solvent blend probably consists of toluene, xylene, 2-butanone, butanol, ethylbenzene, and mineral spirits (see IEPA No. 285 and 288).

[f] Tank was empty in 1985 during response actions initiated by the 4(q) Notice.

[g] Material stored in this tank according to Waste Reduction, 1985.

[h] Material stored in this tank according to IT, 1990b.

[i] Material is nonhazardous according to IT, 1990b.

Sources: IT, 1990b; Kinsey, 1987; Waste Reduction, 1985

TABLE G-4

SUMMARY OF UNDERGROUND STORAGE TANKS IN BASEMENT OF BUILDING 11

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
–	U-21	7,000	No	No	Unknown[e]	Hard solid
–	U-22	3,500	No	No	Unknown[f]	Empty
–	U-23	3,500	No	No	Unknown[e]	Clear, viscous liquid

Notes:

[a] Tanks were cleaned in 1985 during response actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 1986 and 1987 by Kinsey.

[c] Tank contents were estimated in 1985 during response actions inititated by the 4(q) Notice.

[d] Current tank contents were inventoried by Valspar in the October 1990 Settlement Proposal.

[e] Material is nonhazardous according to IT, 1990b.

[f] Tank was empty in 1985 during response actions initiated by the 4(q) Notice.

Sources: IT, 1990b; Kinsey, 1987; Waste Reduction, 1985

TABLE G-5

SUMMARY OF UNDERGROUND STORAGE TANKS IN BUILDING 9-C

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
–	U-62	25,000	No	No	Fuel oil[e]	Empty
–	U-63	25,000	No	No	Fuel oil[f]	Fuel oil (1,200 gallons)
–	U-64	10,000	No	No	Fuel oil[f]	Fuel oil (200 gallons)

Notes:

[a] Tanks were cleaned in 1985 during response actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 1986 and 1987 by Kinsey.

[c] Tank contents were estimated in 1985 during response actions inititated by the 4(q) Notice.

[d] Current tank contents were inventoried by Valspar in the October 1990 Settlement Proposal.

[e] Tank was empty in 1985 during response actions initiated by the 4(q) Notice.

[f] Material is nonhazardous according to IT, 1990b.

Sources: IT, 1990b; Kinsey, 1987; Waste Reduction, 1985

TABLE G-6

SUMMARY OF ABOVEGROUND, OUTDOOR STORAGE TANKS

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
295	--	20,000	No	No	Unknown[e]	Empty
296	--	20,000	No	No	Unknown[e]	Empty

Notes:

[a] Tanks were cleaned in 1985 during response actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 1986 and 1987 by Kinsey.

[c] Tank contents were estimated in 1985 during response actions inititated by the 4(q) Notice.

[d] Current tank contents were inventoried by Valspar in the October 1990 Settlement Proposal.

[e] Tank was empty in 1985 during response actions initiated by the 4(q) Notice.

Sources: IT, 1990b; Kinsey, 1987; Waste Reduction, 1985

TABLE G-7

SUMMARY OF ABOVEGROUND STORAGE TANKS IN BUILDING 3

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
206	138	3,500	No	No	Unknown[e]	Empty
207	139	4,000	No	No	Unknown[e]	Empty
208	140	Unknown[f]	No	No	Unknown[e]	Empty
209	141	2,000	No	No	Unknown[e]	Empty
210	142	2,000	No	No	Unknown[e]	Empty
211	143	4,000	No	No	Unknown[e]	Empty
212	145	2,500	No	No	Unknown[e]	Empty
213	146	2,500	No	No	Unknown[e]	Empty
214	137	3,500	No	No	Unknown[e]	Empty
215	136	Unknown[f]	No	No	Unknown[e]	Empty
216	135	6,000	No	No	Unknown[g]	Black liquid

Notes:

[a] Tanks were cleaned in 1985 during response actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 1986 and 1987 by Kinsey.

[c] Tank contents were estimated in 1985 during response actions inititated by the 4(q) Notice.

[d] Current tank contents were inventoried by Valspar in the October 1990 Settlement Proposal.

[e] Tank was empty in 1985 during response actions inititated by the 4(q) Notice.

[f] Tank volume listed as "Not Available (NA)" in IT, 1990b.

[g] Material is nonhazardous according to IT, 1990b.

Sources: IT, 1990b; Kinsey, 1987; Waste Reduction, 1985

TABLE G-8

SUMMARY OF ABOVEGROUND STORAGE TANKS IN BUILDING 3-B

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
217	148	20,000	No	No	Unknown[e]	Hard resin, clear liquid
218	151	20,000	No	No	Liquid rosin, tall oil (08p50)[e]	Hard resin, clear liquid
219	150	20,000	No	No	Unknown[e]	Hard resin, clear liquid
220	147	20,000	No	No	Raw linseed oil (7p)[e]	Hard resin, clear liquid
221	154	20,000	No	No	Unknown[e]	Hard resin, clear liquid
222	153	20,000	No	No	Liquid rosin, tall oil (08p50)[e]	Hard resin, clear liquid
223	157	10,000	No	No	Unknown[e]	Hard resin, clear liquid
224	156	10,000	No	No	Unknown[e]	Hard resin, clear liquid
225	160	8,000	No	No	Liquid rosin, tall oil (08p50)[e]	Hard resin, clear liquid
226	159	8,000	No	No	Unknown[e]	Hard resin, clear liquid
227	162	8,000	No	No	Unknown[e]	Hard resin, clear liquid
228	163	8,000	No	No	Glycerin[e]	Hard resin, clear liquid
229	164	9,000	No	No	Unknown[e]	Hard resin, clear liquid
230	161	9,000	No	No	Unknown[e]	Hard resin, clear liquid
231	158	10,000	No	No	Liquid rosin, tall oil (08p50)[e]	Hard resin, clear liquid
232	155	20,000	No	No	Unknown[e]	Hard resin, clear liquid
233	152	20,000	No	No	Unknown[e]	Hard resin, clear liquid
234	149	20,000	No	No	Liquid rosin, tall oil (7p2)[e]	Hard resin, clear liquid

TABLE G-8 (Continued)

SUMMARY OF ABOVEGROUND STORAGE TANKS IN BUILDING 3-B

Notes:

[a] Tanks were cleaned in 1985 during response actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 1986 and 1987 by Kinsey.

[c] Tank contents were estimated in 1985 during response actions inititated by the 4(q) Notice.

[d] Current tank contents were inventoried by Valspar in the October 1990 Settlement Proposal.

[e] Material is nonhazardous according to IT, 1990b.

Sources: IT, 1990b; Kinsey, 1987; Waste Reduction, 1985

TABLE G-9

SUMMARY OF ABOVEGROUND STORAGE TANKS IN BUILDING 5-A

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
–	G-2	50	No	No	Resin and oil[e]	Empty
–	G-3	100	No	No	Resin and oil[e]	Empty
–	G-4	330	Yes	No	Brown-black oil (D001)	Empty
–	G-5	100	No	No	Resin and oil[e]	Empty
–	G-6	200	No	No	Resin and oil[e]	Empty
–	G-7	250	No	No	Resin and oil[e]	Empty
–	G-8	250	No	No	Resin and oil[e]	Empty
–	114	2,500	No	No	Resin and oil[e]	Empty
–	115	2,500	No	No	Resin and oil[e]	Empty
–	205	1,000	No	No	Resin and oil[f]	Yellow oil
–	206	1,000	No	No	Resin and oil[f]	White solid, dark solid

Notes:

[a] Tanks were cleaned in 1985 during response actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 1986 and 1987 by Kinsey.

[c] Tank contents were estimated in 1985 during response actions inititated by the 4(q) Notice.

[d] Current tank contents were inventoried by Valspar in the October 1990 Settlement Proposal.

[e] Tank was empty in 1985 during response actions initiated by the 4(q) Notice.

[f] Material is nonhazardous according to IT, 1990b.

Sources: IT, 1990b; Kinsey, 1987; Waste Reduction, 1985

TABLE G-10

SUMMARY OF ABOVEGROUND STORAGE TANKS IN BUILDING 5-B

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
–	121	2,250	No	No	Resin and oil[e]	Dark solid
–	122	2,250	No	No	Resin and oil[e]	Dark solid
–	123	1,250	No	No	Resin and oil[e]	Clear liquid
–	124	500	Yes	No	Resin and oil (D001)	Empty

Notes:

[a] Tanks were cleaned in 1985 during response actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 1986 and 1987 by Kinsey.

[c] Tank contents were estimated in 1985 during response actions inititated by the 4(q) Notice.

[d] Current tank contents were inventoried by Valspar in the October 1990 Settlement Proposal.

[e] Material is nonhazardous according to IT, 1990b.

Sources: IT, 1990b; Kinsey, 1987; Waste Reduction, 1985

TABLE G-11

SUMMARY OF ABOVEGROUND STORAGE TANKS IN BUILDING 5-C

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
198	126	9,000	Yes	No	Alkyd resin, 19m391 (D001)	Empty
199	127	9,000	No	No	Alkyd resin, 19m391[e]	Yellow solid, white solid
200	128	9,250	Yes	No	Resin and oil (D001)	Empty
201	129	9,000	No	No	Alkyd resin, 19m103[e]	Clear liquid, skin
202	130	9,000	No	No	Alkyd resin, 19m397[e]	Gel, ember skin
203	131	9,000	No	No	Alkyd resin, 19m304[e]	Amber gel, skin, liquid
204	132	9,000	Yes	No	Alkyd resin, 19m304 (D001)	Empty
205	133	9,000	Yes	No	Alkyd resin, 19m315 (D001)	Empty

Notes:

[a] Tanks were cleaned in 1985 during response actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 1986 and 1987 by Kinsey.

[c] Tank contents were estimated in 1985 during response actions inititated by the 4(q) Notice.

[d] Current tank contents were inventoried by Valspar in the October 1990 Settlement Proposal.

[e] Material is nonhazardous according to IT, 1990b.

Sources: IT, 1990b; Kinsey, 1987; Waste Reduction, 1985

TABLE G-12

SUMMARY OF ABOVEGROUND STORAGE TANKS IN BUILDING 6

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
094	030	2,500	No	No	Resin and oil[e]	Empty
095	029	2,500	No	No	Resin and oil[e]	Empty
096	028	2,500	No	No	Resin and oil[e]	Empty
097	027	2,500	No	No	Resin and oil[e]	Empty
098	026	2,500	No	No	Resin and oil[f]	Liquid, solid
099	025	2,500	No	No	Resin and oil[e]	Empty
100	024	2,500	No	No	Linseed oil Z2, 7m37[f]	Liquid, skin
101	023	2,500	Yes	No	Linseed oil Z2, 7m37 (D001)	Empty
102	022	5,000	No	No	Resin and oil[e]	Empty
103	021	2,500	No	No	Resin and oil[f]	Liquid
104	020	2,500	No	No	Resin and oil[f]	Rubbery solid
105	019	2,500	No	No	Alkyd resin, 20r48[f]	Liquid
106	018	2,500	No	No	Resin and oil[f]	Liquid, skin
107	017	5,000	No	No	Alkyd resin, 20r48[f]	Skin
108	016	5,000	Yes	No	Alkyd resin, 40r48 (D001)	Empty
109	015	5,000	No	No	Propylene glycol[e]	Empty
110	014	5,000	No	No	Ethylene glycol[e]	Empty
111	013	5,000	No	No	Hexylene glycol[e]	Empty
112	054	2,500	No	No	Resin and oil[e]	Empty
113	053	2,500	No	No	Alkyd resin, 21m327[f]	Solid
114	052	2,500	Yes	No	Resin and oil (D001)	Empty
115	051	2,500	Yes	No	Resin and oil (D001)	Empty

TABLE G-12 (Continued)

SUMMARY OF ABOVEGROUND STORAGE TANKS IN BUILDING 6

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
116	050	2,500	Yes	No	Resin and oil (D001)	Empty
117	049	2,500	Yes	No	Resin and oil (D001)	Empty
118	048	2,500	Yes	No	Resin and oil (D001)	Empty
119	047	2,500	No	No	Resin and oil[e]	Empty
120	046	2,500	No	No	Resin and oil[e]	Empty
121	045	2,500	Yes	No	Resin and oil (D001)	Empty
122	044	2,500	No	No	Alkyd resin, 19m407[f]	Yellow gel, liquid
123	043	2,500	Yes	No	Resin and oil (D001)	Empty
124	042	2,500	Yes	No	Resin and oil (D001)	Empty
125	041	2,500	Yes	No	Resin and oil (D001)	Empty
126	040	2,500	Yes	No	Resin and oil (D001)	Empty
127	039	2,500	Yes	No	Resin and oil (D001)	Empty
128	038	2,500	Yes	No	Resin and oil (D001)	Empty
129	037	2,500	Yes	No	Resin and oil (D001)	Empty
130	036	1,250	No	No	Resin and oil[e]	Empty
131	035	1,250	No	No	Resin and oil[f]	Liquid, skin
132	034	1,250	No	No	Resin and oil[f]	Liquid, skin
133	033	1,250	No	No	Resin and oil[e]	Empty
134	032	2,500	No	No	Resin and oil[e]	Empty
135	031	2,500	No	No	Resin and oil[e]	Empty
136	055	2,500	No	No	Resin and oil[f]	Brittle, brown solid
137	056	2,500	Yes	No	Resin and oil (D001)	Empty

TABLE G-12 (Continued)

SUMMARY OF ABOVEGROUND STORAGE TANKS IN BUILDING 6

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
138	059[g]	2,500	Yes	No	Alkyd resin, 19m39 (D001)	Empty
139	060	2,500	Yes	No	Resin and oil (D001)	Empty
140	061	2,500	Yes	No	Resin and oil (D001)	Empty
141	062	2,500	Yes	No	Resin and oil (D001)	Empty
142	063	2,500	No	No	Alkyd resin, 19m7[f]	Orange jelly, liquid
143	064	2,500	Yes	No	Alkyd resin, 19m7 (D001)	Empty
144	065	2,500	No	No	Alkyd resin, 19m7[f]	Yellow solid skin
145	066	2,500	No	No	Alkyd resin, 19m7[f]	Thick skin jelly
146	067	5,000	Yes	No	Resin and oil (D001)	Empty
147	068	5,000	Yes	No	Resin and oil (D001)	Empty
148	069	5,000	Yes	No	Alkyd resin, 19m20 (D001)	Empty
149	070	5,000	No	No	Resin and oil[f]	Hard skin, rubber
150	075	6,500	Yes	No	Alkyd resin, 19m100 (D001)	Empty
151	076	6,500	Yes	No	Alkyd resin, 19m100 (D001)	Empty
152	077	8,000	No	No	Resin and oil[f]	Rubber solid
153	078	8,000	Yes	No	Resin and oil (D001)	Empty
154	079	8,000	Yes	No	Resin and oil (D001)	Empty
155	080	8,000	Yes	No	Alkyd resin, 21m125 (D001)	Empty
156	081	4,250	Yes	No	Resin and oil (D001)	Empty
157	082	4,250	Yes	No	Resin and oil (D001)	Empty
158	083	4,250	Yes	No	Urethane, 42m10 oil (D001)	Empty
159	084	4,250	No	No	Resin and oil[f]	Clear solid

TABLE G-12 (Continued)

SUMMARY OF ABOVEGROUND STORAGE TANKS IN BUILDING 6

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
160	012	800	No	No	Resin and oil[e]	Empty
161	011	800	No	No	Resin and oil[e]	Empty
162	010	800	No	No	Resin and oil[e]	Empty
163	009	800	No	No	Resin and oil[e]	Empty
164	008	800	No	No	Resin and oil[f]	Carmel-colored liquid
165	007	800	No	No	Resin and oil[e]	Empty
166	006	800	No	No	Resin and oil[f]	Honey-colored liquid
167	005	800	No	No	Resin and oil[e]	Empty
168	004	800	No	No	Resin and oil[e]	Empty
169	003	800	Yes	No	Resin and oil (D001)	Empty
170	002	800	Yes	No	Resin and oil (D001)	Empty
171	001	800	Yes	No	Resin and oil (D001)	Empty
172	085	2,500	Yes	No	Resin and oil (D001)	Empty
173	086	2,500	No	No	Resin and oil[f]	Hard, clear solid
174	087	2,500	No	No	Alkyd resin, 19m258[f]	Liquid, brown solid
175	088	2,500	No	No	Alkyd resin, 19m258[f]	Soft solid
176	089	2,500	No	No	Alkyd resin, 19m258[f]	Honey-colored liquid
177	090	2,500	Yes	No	Resin and oil (D001)	Empty
178	091	2,500	Yes	No	Resin and oil (D001)	Empty
179	092	2,500	No	No	Alkyd resin, 19m39[f]	Soft skin
180	093	2,500	No	No	Resin and oil[f]	Liquid, solid
181	094	2,500	No	No	Resin and oil[f]	Liquid, solid

TABLE G-12 (Continued)

SUMMARY OF ABOVEGROUND STORAGE TANKS IN BUILDING 6

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
182	095	2,500	Yes	No	Resin and oil (D001)[h]	Empty
183	096	2,500	No	No	Ta100 Chemcoid, 7f70[f]	Liquid
184	074	1,250	Yes	No	Resin and oil (D001)	Empty
185	073	1,250	No	No	Resin and oil[e]	Empty
186	072	1,250	No	No	Resin and oil[e]	Empty
187	071	1,250	No	No	Resin and oil[e]	Empty
188	106	2,500	No	No	Resin and oil[f]	Skin, liquid
189	105	2,500	No	No	Resin and oil[f]	Skin, liquid
190	104	1,250	No	No	Resin and oil[f]	Skin, liquid
191	103	1,250	No	No	Resin and oil[e]	Empty
192	102	1,250	No	No	Resin and oil[e]	Empty
193	101	1,250	No	No	Resin and oil[e]	Empty
194	100	2,500	No	No	Resin and oil[f]	Skin, liquid
195	099	2,500	Yes	No	Resin and oil (D001)	Empty
196	098	2,500	No	No	Alkyd resin, 19m390[f]	Honey-colored liquid, skin
197	097	2,500	No	No	Alkyd resin, 19m390[f]	Honey-colored liquid, skin

TABLE G-12 (Continued)

SUMMARY OF ABOVEGROUND STORAGE TANKS IN BUILDING 6

Notes:

[a] Tanks were cleaned in 1985 during response actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 1986 and 1987 by Kinsey.

[c] Tank contents were estimated in 1985 during response actions inititated by the 4(q) Notice.

[d] Current tank contents were inventoried by Valspar in the October 1990 Settlement Proposal.

[e] Tank was empty in 1985 during response actions initiated by the 4(q) Notice.

[f] Material is nonhazardous according to IT, 1990b.

[g] There is some uncertainty regarding the correct Valspar identification number for this tank.

[h] Material was shipped as D002 waste according to Waste Reduction, 1985. PRC believes that the material was probably D001 waste.

Sources: IT, 1990b; Kinsey, 1987; Waste Reduction, 1985

TABLE G-13

SUMMARY OF ABOVEGROUND STORAGE TANKS IN BUILDING 6-A

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
091	--	350	No	No	Unknown[e]	Liquid
092	--	350	No	No	Unknown[e]	Liquid
093	--	150	No	No	Unknown[f]	Empty

Notes:

[a] Tanks were cleaned in 1985 during response actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 1986 and 1987 by Kinsey.

[c] Tank contents were estimated in 1985 during response actions inititated by the 4(q) Notice.

[d] Current tank contents were inventoried by Valspar in the October 1990 Settlement Proposal.

[e] Material is nonhazardous according to IT, 1990b.

[f] Tank was empty in 1985 during response actions initiated by the 4(q) Notice.

Sources: IT, 1990b; Kinsey, 1987; Waste Reduction, 1985

TABLE G-14

SUMMARY OF ABOVEGROUND STORAGE TANKS ON THE THIRD FLOOR OF BUILDING 7

IIPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
–	Glue Pot	10	No	No	Glue[e]	Glue
030	027	1,000	No	No	Paint mixtures[f]	Empty
031	026	450	No	No	Paint mixtures[f]	Empty
032	025	450	No	No	Paint mixtures[f]	Empty
033	024	450	No	No	Paint mixtures[f]	Empty
034	023	450	No	No	Paint mixtures[f]	Empty
035	022	450	No	No	Paint mixtures[f]	Empty
036	021	900	No	No	Paint mixtures[f]	Empty
037	020	900	No	No	Paint mixtures[f]	Empty
038	019	900	No	No	Paint mixtures[f]	Empty
039	018	900	No	No	Paint mixtures[f]	Empty
040	017	900	No	No	Paint mixtures[g]	Solid
041	016	1,600	Yes	No	Liquid organic waste[h] (D001, D008)	Empty
042	015	1,600	Yes	No	Liquid organic waste[h] (D001, D008)	Empty
043	014	900	No	No	Paint mixtures[f]	Empty
044	013	900	No	No	Paint mixtures[f]	Empty
045	012	900	No	No	Paint mixtures[f]	Empty
046	011	1,000	No	No	Paint mixtures[f]	Empty
047	010	900	No	No	Paint mixtures[f]	Empty
048	009	900	Yes	No	Paint mixtures (D001)	Empty
049	008	900	No	No	Paint mixtures[e]	Solid

TABLE G-14 (Continued)

SUMMARY OF ABOVEGROUND STORAGE TANKS ON THE THIRD FLOOR OF BUILDING 7

Notes:

[a] Tanks were cleaned in 1985 during response actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 1986 and 1987 by Kinsey.

[c] Tank contents were estimated in 1985 during response actions inititated by the 4(q) Notice.

[d] Current tank contents were inventoried by Valspar in the October 1990 Settlement Proposal.

[e] Material is nonhazardous according to IT, 1990b.

[f] Tank was empty in 1985 during response actions initiated by the 4(q) Notice.

[g] Tank is classified as "Empty - Solid" according to IT, 1990b.

[h] Tank contained "Mixed Liquid Organic Waste For Disposal In Industrial Fabricated Fuel Program" according to IT, 1990b.

Sources: IT, 1990b; Kinsey, 1987; Waste Reduction, 1985

TABLE G-15

SUMMARY OF ABOVEGROUND STORAGE TANKS ON THE FIFTH FLOOR OF BUILDING 7

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
072	--	500	No	No	Unknown[e]	Rust colored liquid
073	--	500	No	No	Unknown[f]	Empty
074	--	500	No	No	Unknown[f]	Empty
075[g]	--	500[g]	Yes[h]	No[h]	Unknown[g] (D001)	Empty[h]

Notes:

[a] Tanks were cleaned in 1985 during response actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 1986 and 1987 by Kinsey.

[c] Tank contents were estimated in 1985 during response actions inititated by the 4(q) Notice.

[d] Current tank contents were inventoried by Valspar in the October 1990 Settlement Proposal.

[e] Material is nonhazardous according to IT, 1990b.

[f] Tank was empty in 1985 during response actions initiated by the 4(q) Notice.

[g] Tank was not identified in IT, 1990b.

[h] PRC assumes that the tank was emptied and cleaned because the material it contained was considered hazardous in 1985 during response actions initiated by the 4(q) Notice.

Sources: IT, 1990b; Kinsey, 1987; Waste Reduction, 1985

TABLE G-16

SUMMARY OF ABOVEGROUND STORAGE TANK IN BUILDING 7-B

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
090	--	800	No	No	Unknown[e]	Caustic sludge

Notes:

[a] Tanks were cleaned in 1985 during response actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 1986 and 1987 by Kinsey.

[c] Tank contents were estimated in 1985 during response actions inititated by the 4(q) Notice.

[d] Current tank contents were inventoried by Valspar in the October 1990 Settlement Proposal.

[e] Material is nonhazardous according to IT, 1990b.

Sources: IT, 1990b; Kinsey, 1987; Waste Reduction, 1985

TABLE G-17

SUMMARY OF ABOVEGROUND STORAGE TANKS ON THE THIRD FLOOR OF BUILDING 8

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
050	007	900	No	No	Paint mixtures[e]	Empty
051	006	1,600	Yes	No	Paint mixtures[f] (D001)	Empty
052	005	1,600	Yes	No	Paint mixtures[f] (D001)	Empty
053	004	1,600	Yes	No	Paint mixtures[f] (D001)	Empty
054	003	1,600	Yes	No	Paint mixtures[f] (D001)	Empty
055	002	1,600	Yes	No	Paint mixtures[f] (D001)	Empty
056	001	1,600	Yes	No	Paint mixtures[f] (D001)	Empty
057	033	800	No	No	Paint mixtures[e]	Empty
058	034	800	No	No	Paint mixtures[e]	Empty
059	035	1,600	Yes	No	Paint mixtures[f] (D001)	Empty
060	036	800	No	No	Paint mixtures[e]	Empty
061	037	800	No	No	Paint mixtures[e]	Empty
062	087	1,300	No	No	Paint mixtures[e]	Empty
063	038	550	No	No	Cleaning solvents[e]	Empty
064	039	550	No	No	Cleaning solvents[e]	Empty
065	040	550	No	No	Cleaning solvents[e]	Empty
066	041	550	No	No	Cleaning solvents[e]	Empty
067	090	1,000	No	No	Unknown[g,h]	Liquid

TABLE G-17 (Continued)

SUMMARY OF ABOVEGROUND STORAGE TANKS ON THE THIRD FLOOR OF BUILDING 8

Notes:

[a] Tanks were cleaned in 1985 during response actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 1986 and 1987 by Kinsey.

[c] Tank contents were estimated in 1985 during response actions inititated by the 4(q) Notice.

[d] Current tank contents were inventoried by Valspar in the October 1990 Settlement Proposal.

[e] Tank was empty in 1985 during response actions initiated by the 4(q) Notice.

[f] Material from Tanks 051, 052, 053, 054, 055, 056, and 059 was composited and sampled during the 1985 4(q) response action.

[g] Material is nonhazardous according to IT, 1990b.

[h] Tank was not used by Valspar according to IT, 1990b.

Sources: IT, 1990b; Kinsey, 1987; Waste Reduction, 1985

TABLE G-18

SUMMARY OF ABOVEGROUND STORAGE TANKS ON THE FIRST FLOOR OF BUILDING 10

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
–	–	60	No	No	Acids[e]	Empty
–	CT1	1,200	No	No	Caustic wastewater[f,g]	Solid
–	CT2	1,200	No	No	Caustic wastewater[f,g]	Liquid
–	CT3	1,200	No	No	Caustic wastewater[f,g]	Liquid
001	S-149	8,000	No	No	Unknown[e]	Empty
002	S-150	8,000	No	No	Unknown[e]	Empty
003	S-151	8,000	No	No	Paint mixtures[f,h]	Liquid, solid
004	S-152	8,000	No	No	Paint mixtures[f,h]	Liquid, solid

Notes:

[a] Tanks were cleaned in 1985 during response actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 1986 and 1987 by Kinsey.

[c] Tank contents were estimated in 1985 during response actions inititated by the 4(q) Notice.

[d] Current tank contents were inventoried by Valspar in the October 1990 Settlement Proposal.

[e] Tank was empty in 1985 during response actions initiated by the 4(q) Notice.

[f] Material is nonhazardous according to IT, 1990b.

[g] This tank was used to neutralize caustic wastewater according to IT, 1990b.

[h] Material from Tanks 003 and 004 was composited and sampled during the 1985 4(q) response action.

Sources: IT, 1990b; Kinsey, 1987; Waste Reduction, 1985

TABLE G-19

SUMMARY OF ABOVEGROUND STORAGE TANKS ON THE SECOND FLOOR OF BUILDING 10

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
005	--	3,800	No	No	Unknown[e]	Solid black residue
006	--	3,800	No	No	Unknown[e]	Solid black residue
OIL[f]	--	800[f]	No[f]	No[f]	Clear, yellow oil[f]	Clear, yellow oil

Notes:

[a] Tanks were cleaned in 1985 during response actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 1986 and 1987 by Kinsey.

[c] Tank contents were estimated in 1985 during response actions inititated by the 4(q) Notice.

[d] Current tank contents were inventoried by Valspar in the October 1990 Settlement Proposal.

[e] Material is nonhazardous according to IT, 1990b.

[f] Tank was not identified in IT, 1990b. Material is nonhazardous according to Waste Reduction, 1985.

Sources: IT, 1990b; Kinsey, 1987; Waste Reduction, 1985

TABLE G-20

SUMMARY OF ABOVEGROUND STORAGE TANKS IN THE BASEMENT OF BUILDING 11

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
–	U-15	4,000	No	No	Unknown[e,f]	Empty
–	U-16	4,000	No	No	Unknown[e,f]	Empty
–	U-18	4,000	No	No	Unknown[e,f]	Empty
–	U-20	4,000	No	No	Unknown[e,f]	Empty

Notes:

[a] Tanks were cleaned in 1985 during response actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 1986 and 1987 by Kinsey.

[c] Tank contents were estimated in 1985 during response actions inititated by the 4(q) Notice.

[d] Current tank contents were inventoried by Valspar in the October 1990 Settlement Proposal.

[e] Tank was empty in 1985 during response actions initiated by the 4(q) Notice.

[f] Tank was not used by Valspar according to IT, 1990b.

Sources: IT, 1990b; Kinsey, 1987; Waste Reduction, 1985

TABLE G-21

SUMMARY OF ABOVEGROUND STORAGE TANK ON THE FIRST FLOOR OF BUILDING 11

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
007	–	5,000	No	No	Titanium dioxide slurry[e]	White sludge

Notes:

[a] Tanks were cleaned in 1985 during response actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 1986 and 1987 by Kinsey.

[c] Tank contents were estimated in 1985 during response actions inititated by the 4(q) Notice.

[d] Current tank contents were inventoried by Valspar in the October 1990 Settlement Proposal.

[e] Material is nonhazardous according to IT, 1990b.

Sources: IT, 1990b; Kinsey, 1987; Waste Reduction, 1985

TABLE G-22

SUMMARY OF ABOVEGROUND STORAGE TANKS IN THE BASEMENT OF BUILDING 12

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
077	–	1,200	No	No	Caustic wastewater[e]	Empty
078	–	1,200	No	No	Caustic wastewater[f,g]	Liquid
079	–	1,200	No	No	Caustic wastewater[f,g]	Solid

Notes:

[a] Tanks were cleaned in 1985 during response actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 1986 and 1987 by Kinsey.

[c] Tank contents were estimated in 1985 during response actions inititated by the 4(q) Notice.

[d] Current tank contents were inventoried by Valspar in the October 1990 Settlement Proposal.

[e] Tank was empty in 1985 during response actions initiated by the 4(q) Notice.

[f] Material from Tanks 078 and 079 was composited and sampled during the 1985 4(q) response action.

[g] Material is nonhazardous according to IT, 1990b.

Sources: IT, 1990b; Kinsey, 1987; Waste Reduction, 1985

TABLE G-23

SUMMARY OF ABOVEGROUND STORAGE TANKS ON THE THIRD FLOOR OF BUILDING 12

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
–	CAUSTIC	30	No	No	Caustic wastewater[e]	Sludge, clear liquid
–	029	1,600[f]	No	No	Unknown[e,g]	White solid
008	084	1,000	No	No	Paint mixtures[h]	Empty
009	083	1,000	No	No	Paint mixtures[h]	Empty
010	082	1,000	No	No	Paint mixtures[h]	Empty
011	081	1,000	No	No	Paint mixtures[h]	Empty
012	079	900	No	No	Paint mixtures[h]	Empty
013	078	900	No	No	Paint mixtures[e]	Clear liquid
014	077	900	No	No	Paint mixtures[h]	Empty
015	076	900	No	No	Paint mixtures[h]	Empty
016	075	900	No	No	Paint mixtures[h]	Empty
017	074	900	No	No	Paint mixtures[h]	Empty
018	073	900	No	No	Paint mixtures[h]	Empty
019	072	900	No	No	Paint mixtures[h]	Empty
020	071	900	No	No	Paint mixtures[h]	Empty
021	070	900	No	No	Paint mixtures[h]	Empty
022	069	900	No	No	Paint mixtures[h]	Empty
023	068	900	No	No	Paint mixtures[h]	Empty
024	067	900	No	No	Paint mixtures[h]	Empty
025	066	900	No	No	Paint mixtures[h]	Empty
026	065	900	No	No	Paint mixtures[h]	Empty
027	064	900	No	No	Paint mixtures[h]	Empty

TABLE G-23 (Continued)

SUMMARY OF ABOVEGROUND STORAGE TANKS ON THE THIRD FLOOR OF BUILDING 12

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
028	063	900	No	No	Paint mixtures[h]	Empty
029	062	900	No	No	Unknown[g,h]	Empty

Notes:

[a] Tanks were cleaned in 1985 during response actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 1986 and 1987 by Kinsey.

[c] Tank contents were estimated in 1985 during response actions inititated by the 4(q) Notice.

[d] Current tank contents were inventoried by Valspar in the October 1990 Settlement Proposal.

[e] Material is nonhazardous according to IT, 1990b.

[f] Volume reported as 0 gallons in IT, 1990b. Volume reported as 1,600 gallons in Waste Reduction, 1985.

[g] Tank was not used by Valspar according to IT, 1990b.

[h] Tank was empty in 1985 during response actions initiated by the 4(q) Notice.

Sources: IT, 1990b; Kinsey, 1987; Waste Reduction, 1985

TABLE G-24

SUMMARY OF ABOVEGROUND STORAGE TANK ON THE FOURTH FLOOR OF BUILDING 12

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
068	--	800	No	No	Caustic wastewater[e]	Caustic sludge

Notes:

[a] Tanks were cleaned in 1985 during response actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 1986 and 1987 by Kinsey.

[c] Tank contents were estimated in 1985 during response actions inititated by the 4(q) Notice.

[d] Current tank contents were inventoried by Valspar in the October 1990 Settlement Proposal.

[e] Material is nonhazardous according to IT, 1990b.

Sources: IT, 1990b; Kinsey, 1987; Waste Reduction, 1985

TABLE G-25

SUMMARY OF ABOVEGROUND STORAGE TANKS ON THE FIFTH FLOOR OF BUILDING 12

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
069	LT3	[illegible]	No	No	Unknown[e, f]	Empty
070	–	500	No	No	Unknown[e]	Empty
071	–	500	No	No	Unknown[e, f]	Empty

Notes:

[a] Tanks were cleaned in 1985 during response actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 1986 and 1987 by Kinsey.

[c] Tank contents were estimated in 1985 during response actions inititated by the 4(q) Notice.

[d] Current tank contents were inventoried by Valspar in the October 1990 Settlement Proposal.

[e] Tank was empty in 1985 during response actions initiated by the 4(q) Notice.

[f] Tank was not used by Valspar according to IT, 1990b.

Sources: IT, 1990b; Kinsey, 1987; Waste Reduction, 1985

TABLE G-26

SUMMARY OF FORMER ABOVEGROUND STORAGE TANKS IN BUILDING 15-A

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
--	212	12,000	No	No	Vinyl acrylic emulsion	Empty[e]
--	213	12,000	No	No	Acrylic emulsion	Empty[e]
--	215	12,000	No	No	Acrylic emulsion	Empty[e]

Notes:

[a] Tanks were cleaned in 1985 durin[illegible]e actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 198[illegible]87 by Kinsey.

[c] Tank contents were estimated in [illegible]ng response actions inititated by the 4(q) Notice.

[d] Current tank contents were inven[illegible] Valspar in the October 1990 Settlement Proposal.

[e] Tank was removed before 1985.

Sources: IT, 1990b; Kinsey, 1987; W[illegible]uction, 1985

TABLE G-27

SUMMARY OF ABOVEGROUND STORAGE TANKS IN BUILDING 15-B

IEPA Number	Valspar Number	Volume (gallons)	Tank Cleaned[a]	Tank Pressure-Tested[b]	Past Contents[c]	Current Contents[d]
235	207	4,500	No	No	Acrylic emulsion[e]	Empty
236	208	4,500	No	No	Acrylic emulsion[e]	Empty
237	209	4,500	No	No	Brown oil[f]	Brown oil
238	210	2,100	No	No	Latex[f]	Latex liquid
239	211	4,000	No	No	Acrylic emulsion[f]	Latex liquid

Notes:

[a] Tanks were cleaned in 1985 during response actions initiated by the 4(q) Notice.

[b] Tanks were pressure-tested in 1986 and 1987 by Kinsey.

[c] Tank contents were estimated in 1985 during response actions inititated by the 4(q) Notice.

[d] Current tank contents were inventoried by Valspar in the October 1990 Settlement Proposal.

[e] Tank was empty in 1985 during response actions initiated by the 4(q) Notice.

[f] Material is nonhazardous according to IT, 1990b.

Sources: IT, 1990b; Kinsey, 1987; Waste Reduction, 1985