ZT3051 C9624

# FOCUSED SITE INSPECTION PRIORITIZATION
# SITE EVALUATION REPORT

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EPA Region 5 Records Ctr.
350448

## WOODSTOCK DIE CAST, INC.
## 555 WHEELER STREET
## WOODSTOCK, ILLINOIS

**CERCLIS ID NO.: ILD005471503**

Prepared for:

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**
**SITE ASSESSMENT SECTION**
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# 1. INTRODUCTION

The Ecology and Environment, Inc., (E & E) Technical Assistance Team (TAT) was assigned by the United States Environmental Protection Agency (U.S. EPA), under Contract No. 68-W0-0037, Technical Direction Document (TDD) No. T05-9503-256, to evaluate the Woodstock Die Cast, Inc., site in Woodstock, McHenry County, Illinois. E & E performed Focused Site Inspection Prioritization (FSIP) activities to determine whether, or to what extent, the site poses a threat to human health and the environment. This FSIP report presents the results of E & E's evaluation and summarizes the site conditions and targets pertinent to the migration and exposure pathways associated with the site. Background information was obtained from the Illinois Environmental Protection Agency (IEPA), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Screening Site Inspection (SSI) Report, T.A. Gleason Associates Project Status Report, IEPA Preliminary Assessment (PA) Form (U.S. EPA Form 2070-12), IEPA Site Inspection (SI) Report (U.S. EPA Form 2070-13), and miscellaneous materials from the U.S. EPA file.

This report is organized into six sections, including this introduction. Section 2 describes the site and provides a brief site history. Section 3 provides information about previous investigations conducted at the site. Section 4 provides information about the four migration and exposure pathways (groundwater migration, surface water migration, soil exposure, and air migration). Section 5 is a report summary. References used in the preparation of this report are listed in Section 6.

## 2. SITE DESCRIPTION AND HISTORY

The Woodstock Die Cast, Inc., (WDC) site, currently called the Woodstock Manufacturing Corporation (WMC) site, is located at 555 Wheeler Street, in Woodstock, McHenry County, Illinois (NW1/4 NE1/4 SW1/4 sec. 5, T. 44 N., R. 7 E.). The coordinates for the site are at latitude 42°19'10" North and longitude 88°26'46" West (IEPA 1987). See Figure 2-1 for site location. It is currently an inactive site. The site is bordered on the north by West First Street, on the west by the Chicago & Northwestern Railroad right-of-way, on the south by Bartlett Street, and on the east by Clay Street. Land use within a 1-mile radius of the site is predominantly residential, with some light commercial businesses. Beyond the 1-mile radius, agriculture is the prevailing land use (IEPA 1988a). The WDC site is completely boarded up and fenced, and Allied-Signal, Inc., (Allied-Signal) WDC's parent company, has arranged for City of Woodstock Auxiliary Police to monitor the facility for security reasons (Blank 1995).

The site is situated on approximately 7 acres of land. Site features are shown in Figure 2-2. The site is essentially flat with a slight slope of less than 1% to the north-northeast and an average terrain slope of 0% (IEPA 1988b). An unnamed tributary to the South Branch of Nippersink Creek, the nearest surface water body, at its nearest point to the site, is located approximately 1 mile northeast of the site.

The WDC site has been inactive since 1990. When the site was in operation, WDC produced and finished zinc and aluminum die castings. The operation consisted of die casting, machining, and finishing by buffing, polishing, electroplating, and painting. It generated approximately 0.4 million gallons per day (MGD) of wastewater, which was treated on site and discharged to the unnamed tributary of the South Branch of Nippersink Creek under National Pollutant Discharge Elimination System (NPDES) Permit No. IL0033863, issued by the IEPA. WDC also possessed an IEPA air permit, Air Permit No. 111095AAF, which was issued on November 23, 1987, by IEPA and remained in effect until the site closing in 1990 (IEPA 1988b).

The wastewater was generated from die casting machine leakage, metal cleaning and activating, plating, cooling tower blowdown, and floor drains. The makeup for the system was municipal water. The primary materials discharged into the wastewater prior to treatment were synthetic oils, cyanide, chromium, copper, nickel, zinc, phosphorous, alkaline rinses, acid rinses, and cooling system blowdowns. These waste streams were controlled through recycling, pretreatment, and end-of-the-pipe treatment methods.

As best as can be determined through file research and personal communications, the WDC site dates back to 1893 when the Oliver Typewriter Company (OTC) constructed a facility on site (IEPA 1988a). In 1954, Woodstock Die Casting, a division of Eltra Corporation, purchased the facility from OTC and began die casting operations. In 1985, the facility transferred ownership to WMC, which is owned by Allied-Signal. Die casting operations at the site remained essentially the same following the ownership transfer. In 1990, WMC closed the facility and filed for bankruptcy. In 1993, the City of Woodstock purchased the facility from WMC and continues to own the property (Isbell 1995).

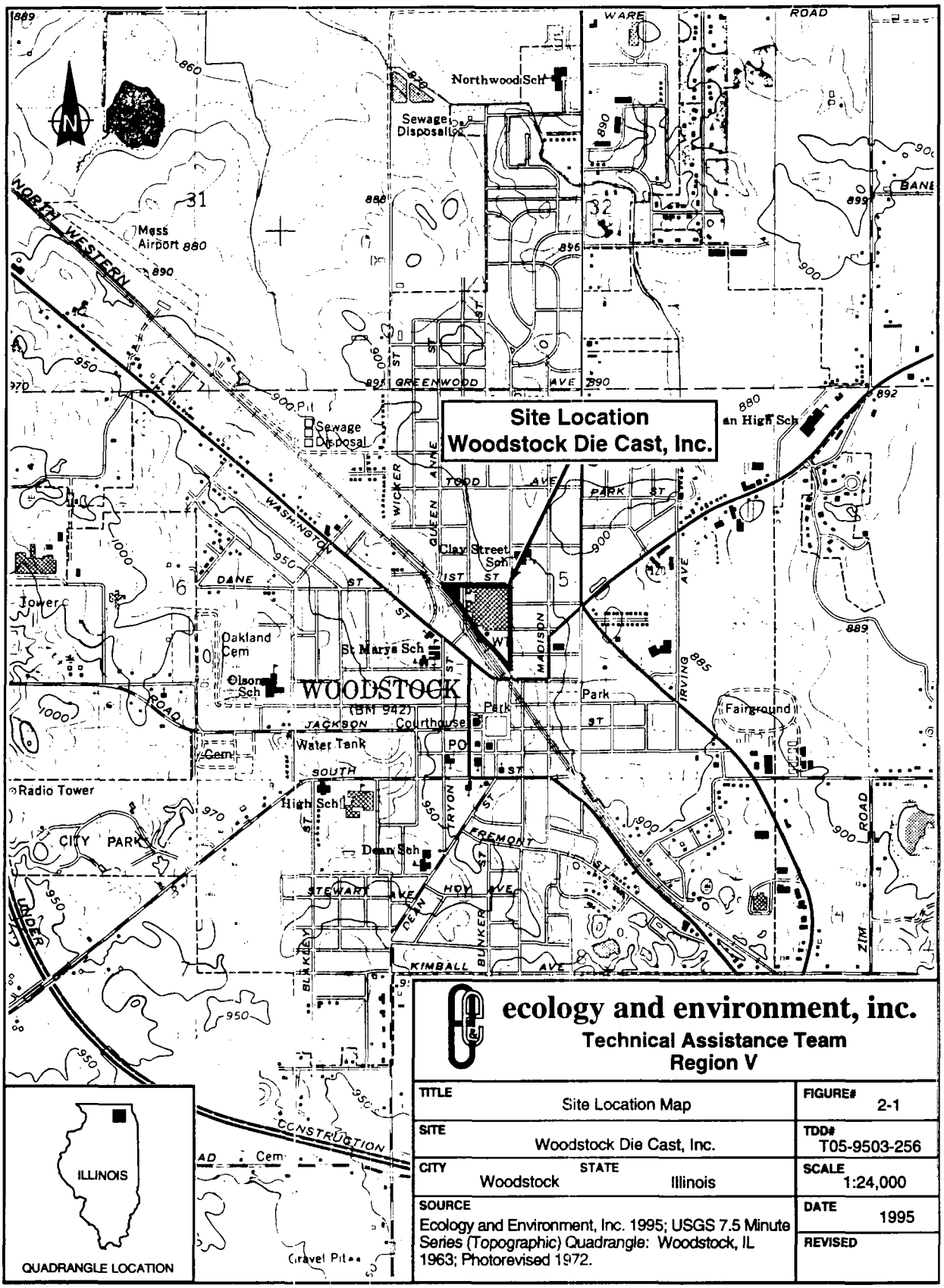
The WDC site still contains the original buildings constructed by OTC. Some additional construction occurred during the 1960s and 1970s. Presently, the site contains an administration building, an industrial process building, and an industrial wastewater building. The industrial wastewater building contained chrome/metal plating lines, chlorination tanks (for cyanide treatment), acid storage tanks, cyanide storage and recovery tanks, wastewater collection sumps, acetone and methyl ethyl ketone (MEK) underground storage tanks (USTs), and chrome recovery facilities among others (IEPA 1988a). In all, a total of 97 USTs (most of which are open sumps) are present on the WDC site (IEPA 1986). Although there have been some internal demolition activities at the site, it is not believed that any of these structures or underground tanks have been removed (Isbell 1995; Blank 1995).

During its operation as WDC, the facility had Resource Conservation and Recovery Act (RCRA) Part A generator status. As a precaution, the facility also filed a RCRA Part B application as a waste storage facility, which permitted the facility to store spent solvent for a period of over 90 days (Blank 1995). In April 1986, WMC notified the U.S. EPA that they no longer stored any hazardous wastes for longer than 90 days and, subsequently, did not need to file for RCRA status. It was also stated that WMC was planning to implement site closure (Woodside 1986). It is believed that proper RCRA closure has never occurred, but that it will be addressed as part of the ongoing remediation activities at the WDC site.

In 1985, an environmental audit was conducted by the Bunker Ramo-Eltra Corporation (a wholly owned subsidiary of Allied-Signal) in preparation for the sale of WDC to WMC. T.A. Gleason Associates (TAGA) of Cincinnati, Ohio, was retained to conduct the

environmental investigation, and a number of areas at the site were selected for soil test borings and for the installation of groundwater monitoring wells. Preliminary analysis of the soil samples revealed the presence of Target Compound List (TCL) compounds and Target Analyte List (TAL) chemicals. Preliminary analysis of on-site groundwater samples indicated elevated levels of TCL and TAL chemicals, including cyanide and heavy metals at some locations. Chromium and lead concentrations in excess of maximum contaminant levels (MCLs) were detected in groundwater samples collected at other on-site locations (Miller 1985). A U.S. EPA Notification of Hazardous Waste Site Form (U.S. EPA Form 8900-1) detailing these results was submitted by Allied-Signal to U.S. EPA Region 5 on June 6, 1986. This notification stated that preliminary results of hydrological studies conducted in cooperation with the City of Woodstock and the McHenry County Health Department indicated soil and groundwater contamination at the facility. It was also stated that all operating City of Woodstock municipal wells in the area of potential concern had been tested and were found not to be impacted by site conditions. A Woodstock City/Health Department survey indicated that there are no private wells in the potential area of concern. It was also stated that further hydrogeological studies were being conducted to define the extent of contamination and evaluate feasible remedial actions (Beale 1986).

Presently, the City of Woodstock and Allied-Signal are involved in a cost sharing effort to remediate, demolish, and eventually rebuild on the site. Their efforts are being coordinated with the IEPA. In addition Allied-Signal has enrolled in the Illinois Pre-notice Site Clean-up Program. An extensive groundwater monitoring program is in existence at the site and approximately 400 drums were recently removed from the site, as well as asbestos and other nonhazardous debris (Komperda 1995). All of the tanks and plating pits have been characterized and are awaiting removal. Removal activities are planned for fall 1995 (Blank 1995).




**ecology and environment, inc.**
**Technical Assistance Team**
**Region V**

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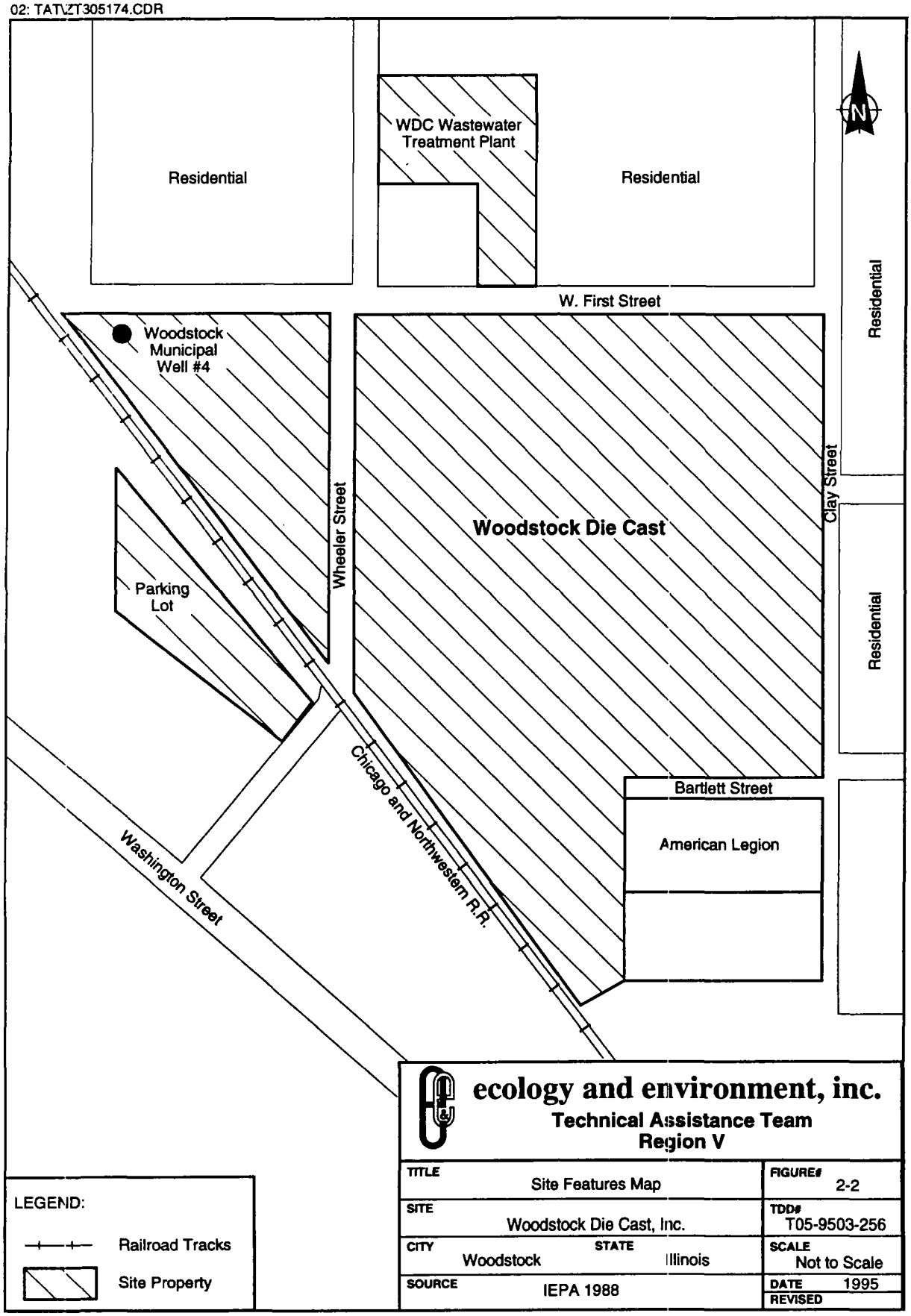
|---|---|
| TITLE: Site Location Map | FIGURE#: 2-1 |
| SITE: Woodstock Die Cast, Inc. | TDD#: T05-9503-256 |
| CITY: Woodstock STATE: Illinois | SCALE: 1:24,000 |
| SOURCE: Ecology and Environment, Inc. 1995; USGS 7.5 Minute Series (Topographic) Quadrangle: Woodstock, IL 1963; Photorevised 1972. | DATE: 1995 |
| | REVISED: |

02: TAT\ZT305174.CDR

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Technical Assistance Team
Region V

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|---|---|
| TITLE: Site Features Map | FIGURE#: 2-2 |
| SITE: Woodstock Die Cast, Inc. | TDD#: T05-9503-256 |
| CITY: Woodstock STATE: Illinois | SCALE: Not to Scale |
| SOURCE: IEPA 1988 | DATE: 1995 REVISED: |

## 3. PREVIOUS INVESTIGATIONS

The site was initially discovered by the U.S. EPA in June 1986. The IEPA became involved with the site in August 1986 when Allied-Signal and TAGA notified IEPA of an investigation at the WDC site.

The site was evaluated through a PA that was prepared by the IEPA on January 2, 1987, and submitted to the U.S. EPA. The PA recommended a high priority designation because of the local municipal wells located in close proximity to the site.

The IEPA's Pre-Remedial Unit was in the process of preparing an SSI workplan for the WDC site when it learned that TAGA was initiating a groundwater program at the site. To avoid duplication of effort, the IEPA decided not to collect their own on-site samples, but instead would rely on the information collected by TAGA. The investigation by TAGA, initiated in approximately 1985, included discussions with plant personnel, a groundwater study, sampling of city municipal wells, sampling of test borings, and the installation of monitoring wells. An IEPA SSI was conducted on May 11, 1988, to supplement the information provided by TAGA (IEPA 1988a).

The TAGA investigation was part of an environmental audit conducted in preparation for the transfer of ownership by WDC to WMC. The investigation began with the sampling of the City of Woodstock's public wells to determine if TAL/TCL contaminants had migrated off site toward the public wells. No TAL/TCL chemicals were found in samples collected from the municipal wells. The investigation continued with the installation and sampling of test borings and on- and off-site monitoring wells. The installation and sampling of on-site monitoring wells and test borings was performed by TAGA in October and November 1985. Chemical analysis of the samples indicated the presence of TAL/TCL contamination (IEPA 1988a).

TAGA began monitoring well installation in October 1985 and completed drilling in June 1988. A total of 70 monitoring wells were installed to determine the direction of flow,

depth to water, rate of groundwater flow, and extent of contamination (IEPA 1988a). See Appendix A for monitoring well locations.

The first 17 monitoring wells were drilled on site between October and November 1985. These wells were drilled to determine if contamination was present in on-site groundwater. Initial sampling indicated TAL/TCL contamination, so an additional 35 wells were drilled both on site and off site from June through August 1986. Most of these wells were installed off site and downgradient (northeast) of the facility (IEPA 1988a).

During January and April of 1987, approximately 16 more monitoring wells were drilled on site to determine the possible source or sources of the groundwater contamination. Two additional wells were drilled, one in December 1987 to 45 feet BGS and one in April 1988 to 55 feet BGS (IEPA 1988a).

Most of the monitoring wells (approximately 48) were installed from 12 to 30 feet BGS. Approximately 17 wells were drilled from 31 to 83 feet BGS, while five wells were drilled from 135 to 171 feet BGS (IEPA 1988a).

In addition to the monitoring wells, an on-site groundwater recovery system was installed by TAGA in 1987 to recover and treat the contaminated groundwater. A system of 19 groundwater recovery wells along West First Street (nine wells) and Clay Street (10 wells) pumped chromium-contaminated groundwater through header pipes to the WDC chromium treatment system. This groundwater was combined with WDC's chromium process water for pretreatment prior to being discharged to the general collection sump. Total chromium and hexavalent chromium concentrations were monitored as part of an NPDES permit. An additional 15 wells were installed on West First Street to pump VOC- and cyanide-contaminated groundwater into a holding tank and then to the general collection sump. The VOCs and cyanide were monitored before discharge to the general collection sump per the NPDES permit. All discharges to the general collection sump went to the WDC wastewater treatment plant prior to being discharged to the unnamed tributary of the South Branch of Nippersink Creek as per NPDES permit requirements (IEPA 1988a).

A total of 34 recovery wells were installed at the site for chromium, cyanide, and VOC recovery. See Appendix A for recovery well locations. Recovery wells RW1 through RW8 are used for VOC recovery; RW9 through RW15 are used for cyanide recovery; and RW16 through RW34 are used for chromium recovery. All the recovery wells have similar construction, with 32 wells installed at depths of approximately 35 feet below ground surface (BGS) and the remaining two wells at depths of approximately 62 feet BGS.

On October 28, 1988, the IEPA conducted an SI of the WDC site. The SI report states that the environmental audit conducted in 1986 found VOC, cyanide, and chromium

contamination in the shallow aquifer in the area downgradient of the facility. It also indicated that analytical results from test borings and soils from around WDC's USTs revealed cyanide, chromium, nickel, and VOC contamination (IEPA 1988b). See Appendix A for sample analytical results.

As previously mentioned, the site is currently involved with remediation efforts to prepare the site for demolition and eventual rebuilding. The above-mentioned groundwater monitoring program is ongoing, with samples still being collected by TAGA. Semiannual progress reports are prepared by TAGA and submitted to Allied-Signal. The City of Woodstock, Allied-Signal, and the IEPA are cooperating on this site. The Woodstock Department of Public Works is also aware of the groundwater conditions in the area of the site. Plans to remove some of the monitoring wells and site structures are scheduled to begin in the fall of 1995. The target date for completing removal and remediation of site contaminants pending IEPA approval is estimated to be sometime during 1996 (Blank 1995).

# 4. MIGRATION AND EXPOSURE PATHWAYS

This section describes the four migration and exposure pathways associated with the WDC site. Section 4.1 discusses the groundwater migration pathway; Section 4.2 discusses the surface water migration pathway; Section 4.3 discusses the soil exposure pathway; and Section 4.4 discusses the air migration pathway.

## 4.1 GROUNDWATER MIGRATION PATHWAY

This section discusses regional geology and soils, groundwater releases, and targets associated with the groundwater migration pathway at the site.

### 4.1.1 Geology and Soils

The WDC site is located in an area consisting of approximately 100 to 200 feet of glacial till overlying dolomite bedrock (E & E 1987). The glacial till is comprised of silts, sands, clays, and gravels. The permeability of the unsaturated zone is reported as $10^{-4}$ to $10^{-6}$ centimeters per second (cm/sec). Depth to groundwater is estimated to be 10 feet BGS (IEPA 1988b). This shallow aquifer overlies a deeper glacial till (sand and gravel) aquifer, which, due to area geology, appear to be hydraulically connected. These aquifers are separated from the lower bedrock aquifer by a clay till of unknown consistency (E & E 1987).

The municipal well system of the City of Woodstock relies on the deeper sand and gravel aquifer for its drinking water supply. The system consists of five wells all within a 1-mile radius of the WDC site, the closest being 800 feet west of the site. The system supplies approximately 17,000 persons within the City of Woodstock (Eddy 1995). Groundwater flow in the area of the site was determined to be in a northeasterly direction (IEPA 1988a).

### 4.1.2 Groundwater Releases

There was no evidence of on-site hazardous waste disposal or mismanagement when the WDC site was in operation. However, a release of hazardous substances from the WDC site to groundwater has been documented. On-site monitoring well samples collected by TAGA in 1986 revealed levels of TCL/TAL chemicals, including 1,1-dichloroethane at 62 micrograms per liter (μg/L), 1,2-dichloroethane at 3 μg/L, 1,1,1-trichloroethane at 1,844 μg/L, 1,1-dichloroethene at 31 μg/L, 1,2-dichloroethene at 14,068 μg/L, trichloroethene at 49,000 μg/L, tetrachloroethene at 165 μg/L, vinyl chloride at 300 μg/L, chromium at 72,300 μg/L, and cyanide at 525,000 μg/L (IEPA 1988b).

Also, levels of lead as high as 290 μg/L were detected in on-site monitoring well samples collected in 1986 (IEPA 1988a). See Appendix A for a summary of TAGA sample analytical results from 1986. Off-site municipal well samples showed elevated levels of contaminants that were below the MCLs (IEPA 1987).

Analytical results from recent sampling rounds, the latest in 1994, have confirmed that on-site monitoring wells still contain elevated levels of TAL/TCL chemicals. This contamination, however, has apparently remained on site and, with the exception of low levels of 1,1-dichloroethene, chromium, and cyanide (below the MCLs), has not been detected in any off-site municipal or monitoring wells (Eddy 1995; TAGA 1987). The latest semiannual progress report involving groundwater sampling efforts by TAGA in late 1994 states that groundwater conditions at the site have remained the same and that cleanup is required (Isbell 1995).

### 4.1.3 Targets

The approximately 17,000 residents of the City of Woodstock obtain their drinking water from a series of five municipal wells, all located within a 1-mile radius of the WDC site. Of these wells, the closest (Well No. 4) is located approximately 800 feet west of the site. Well Nos. 8 and 9 are located within 0.5 mile of the site, and Well Nos. 7A and 10 are located approximately 1 mile from the site. These wells range in depth from 107 feet BGS to 205 feet BGS, and are all tapped into a sand and gravel lens within the glacial till overburden. These wells are all blended, and the groundwater is tested and treated prior to distribution. The groundwater has not shown any levels of contamination (Eddy 1995). However, a potential exists for these wells to be impacted by the site due to the recent discovery of persistent levels of contamination in on-site monitoring wells, and the hydraulic connection that exists within the glacial till aquifers.

The closest private well users in relation to the WDC site are estimated to be located approximately 1.6 miles away. Outside of the City of Woodstock, a significant number of private well users exist within a 4-mile radius of the site (Isbell 1995). Efforts to obtain a more accurate population of private well users were unsuccessful.

No observed release to a private well has been documented. Based upon the distance of private well users from the site and the lack of any observed releases off site, an impact on private well users from a release from the WDC site is unlikely, but the potential for a release exists.

## 4.2 SURFACE WATER MIGRATION PATHWAY

No surface water or sediment samples are known to have been collected from the WDC site or surrounding area, and with the exception of some NPDES permit exceedances in the early 1970s involving cyanide, nickel, and phosphate concentrations exceeding the permitted limits, no releases to surface water are known to have occurred. The nearest surface water body to the WDC site is an unnamed tributary to the South Branch of Nippersink Creek, located approximately 1 mile northeast of the site. This unnamed tributary flows north approximately 5.5 miles where it enters the South Branch of Nippersink Creek. Surface water flow continues northeast and then east where it enters into Wonder Lake approximately 9.5 miles from the site (IEPA 1988b). Nippersink Creek exits the lake approximately 2 miles northeast of where it entered and continues flowing in a northeastern direction.

During WDC's operation, the plant possessed an NPDES permit that allowed it to discharge into the unnamed tributary. The wastewater was generated by plant processes and passed through the WDC wastewater treatment plant prior to being discharged into the City of Woodstock storm sewer system. The storm sewer in turn eventually discharged into the unnamed tributary approximately 1 mile from the site (IEPA 1988b). While the WDC site was in operation, no direct spills into the unnamed tributary were documented, but as previously mentioned, exceedances of the NPDES permit occurred. The exceedances occurred for nickel, phosphate, and cyanide (IEPA 1987). No engineered controls for surface water containment are known to exist at the site.

Presently, the site is inactive, and no wastewater is being pumped through the WDC wastewater treatment plant, and the NPDES permit is no longer in effect (Blank 1995). It is not known if the storm sewer has been officially closed, but it is no longer used as a route for site wastewater discharge. Essentially, a surface water migration pathway no longer exists from the site. No wetlands or sensitive environments are located within close proximity of

the site, nor has a release to any sensitive environment been documented. The nearest wetland is located approximately 0.5 mile to the east of the site but there does not appear to be a migration route to this wetland (United States Department of the Interior [USDI] 1980; United States Geological Survey [USGS] 1963).

The surface water bodies in the area of the site are not known to be used recreationally. There are no surface water intakes located along the 15-mile surface water migration pathway.

## 4.3 SOIL EXPOSURE PATHWAY

No incidents of soil exposure to site-related contaminants at the WDC site have been documented. However, soil analysis of test borings conducted by TAGA in 1986 have revealed high levels of TCL and TAL chemicals including cyanide, chromium, nickel, and VOCs (IEPA 1988b). VOCs detected included toluene (0.13 milligrams per kilogram [mg/kg]), chloroform (0.062 mg/kg), 1,1,1-trichloroethane (0.021 mg/kg), and methylene chloride (0.150 mg/kg) (Byers 1986). See Appendix A for a summary of sample analytical results from the 1986 TAGA site investigation. The site is presently inactive, with no employees working at the site. The only current site activities are the ongoing groundwater sampling being performed by TAGA, and remedial work being performed by I.T. Corporation in preparation for the demolition and removal work planned for the fall of 1995. The site is completely boarded up and fenced, and City of Woodstock Auxiliary Police provide security at the site (Blank 1995).

The potential targets of soil exposure at the site include the approximately 11,000 persons who reside within a 1-mile radius of the site based on straight-line distances. The site comprises approximately 7 acres in the center of the city. There are no residences, schools, or daycare facilities located within 200 feet of the site, nor are there any known sensitive environments within 1 mile of the site (IEPA 1988b; USGS 1963).

## 4.4 AIR MIGRATION PATHWAY

No releases of hazardous substances to air from the WDC site have been documented (IEPA 1988b). However, an investigation was conducted at the WDC facility on July 2, 1974, due to a complaint submitted to the IEPA by the McHenry County Department of Health concerning an odor emanating from the facility. Area residents who were interviewed stated that they sometimes smelled odors coming from the site but they were not bothered by them (IEPA 1974). On November 23, 1987, the WDC site was issued an IEPA air permit, which remained in effect until the site closing in 1990 (IEPA 1988b). The air permit was for

the site's blower, NAPCO automatic plating machine, plating operations, general machining, and die casting plant operations (IEPA 1988b).

The population potentially affected by a release of hazardous substances to air includes the approximately 20,000 persons residing within a 4-mile radius of the site. There is no documentation suggesting that any critical or sensitive environment has been impacted by a release to air.

# 5. SUMMARY

E & E has evaluated the WDC site using the existing U.S. EPA files and personal communications. The WDC site is located in the City of Woodstock, McHenry County, Illinois. The site comprises approximately 7 acres in the center of the city in a predominantly residential area. The site is currently inactive, but was operated as a die casting plant from 1954 through 1990. The site is completely boarded up and fenced, and the City of Woodstock Auxiliary Police provide security at the site.

During its operation, the WDC site generated approximately 0.4 MGD of wastewater, which was treated on site and discharged to an unnamed tributary of the South Branch of Nippersink Creek under IEPA NPDES Permit No. IL0033863. The wastewater was generated from die casting machine leakage, metal cleaning and activating, plating, cooling tower blowdown, and floor drains. The makeup for the system was municipal water. The primary pollutants were synthetic oils, cyanide, chromium, copper, nickel, zinc, phosphorous, alkaline rinses, acid rinses, and cooling system blowdowns. The waste streams were controlled through recycling, pretreatment, and treatment methods. The plant also possessed an air permit, IEPA Air Permit No. 111095AAF, which was issued in 1987 and remained in effect until the site ceased its operations in 1990.

During its operation as WDC, the facility had RCRA Part A generator status. As a precaution, the facility also filed a Part B application as a storage facility, which permitted the facility to store spent solvent for a period of over 90 days. These RCRA permits were issued by the U.S. EPA. In April 1986, WMC notified the U.S. EPA that they no longer stored any hazardous wastes for longer than 90 days and, subsequently, do not need to file for RCRA status. It was also stated that WMC was in the process of planning to implement closure. It is believed that proper closure has never occurred, but that it will be included in the current remediation activities ongoing at the WDC site.

The site was initially discovered by the U.S. EPA in June 1986. The IEPA became involved with the site in August 1986 when Allied-Signal and TAGA notified IEPA of an

investigation at the WDC site. The site was then evaluated in the form of a PA that was prepared by the IEPA on January 2, 1987, and submitted to the U.S. EPA. The IEPA's Pre-Remedial Unit was in the process of preparing an SSI workplan for the WDC site when it learned that TAGA was initiating a groundwater program at the site. Therefore, to avoid duplication of effort, the IEPA did not collect on-site samples of their own but instead would rely on the information collected by TAGA. The investigation by TAGA included discussions with plant personnel, a groundwater study, sampling of city municipal wells, sampling of test borings, and the installation of 70 monitoring wells and 34 recovery wells. An IEPA site reconnaissance inspection was conducted on May 11, 1988, to supplement the information provided by TAGA.

The site is currently involved with remediation efforts. The City of Woodstock and Allied-Signal are involved in a cost-sharing effort to prepare the site for demolition and eventual rebuilding on the site. Allied-Signal has enrolled in the Illinois Pre-notice Site Program. The groundwater monitoring program is still in existence, and is still being sampled by TAGA. Semiannual progress reports are prepared by TAGA and submitted to Allied-Signal. The City of Woodstock, Allied-Signal, and the IEPA are cooperating on the site, and the Woodstock Department of Public Works is also aware of the groundwater conditions in the area of the site. Removal of some of the monitoring wells and site structures is scheduled to begin in the fall of 1995. The target date for complete removal, remediation, and IEPA approval of site conditions is estimated to be sometime during 1996.

The WDC site is located in an area that consists of approximately 100 to 200 feet of glacial till overlying dolomite bedrock. Depth to groundwater is estimated to be 10 feet BGS. This shallow aquifer overlies a deeper glacial till (sand and gravel) aquifer that, due to area geology, appears to be hydraulically connected. These aquifers are separated from the lower bedrock aquifer by a clay till of unknown consistency.

The municipal well system of the City of Woodstock relies on the deeper sand and gravel aquifer for its drinking water supply. The system consists of five wells all within a 1-mile radius of the WDC site, the closest being 800 feet west of the site. The system supplies approximately 17,000 persons within the City of Woodstock. Groundwater flow in the area of the site was determined to be in a northeasterly direction.

A release of hazardous substances from the WDC site to groundwater has been documented. On-site monitoring well samples collected by TAGA in 1986 revealed levels of TCL compounds including 1,1-dichloroethane, 1,2-dichloroethane, 1,1,1-trichloroethane, 1,1-dichloroethene, 1,2-dichloroethene, trichloroethene, tetrachloroethene, and vinyl chloride as well as TAL analytes chromium and cyanide. See Appendix A for sample analytical results

from the 1986 TAGA investigation. Off-site municipal wells showed levels of TAL/TCL contaminants, but were below the MCLs.

Recent sampling rounds have confirmed that on-site monitoring wells still reveal levels of TAL/TCL contamination. However, this contamination has apparently remained on site and, with the exception of low levels of 1,1-dichloroethene, chromium, and cyanide (below the MCLs), has never been detected in any off-site monitoring or municipal wells. The latest semiannual progress report involving groundwater sampling efforts by TAGA in late 1994 states that groundwater conditions at the site have remained the same and that site cleanup is required.

The nearest surface water body to the WDC site is the tributary to the South Branch of Nippersink Creek, located approximately 1 mile northeast of the site. The tributary flows north approximately 5.5 miles where it enters the South Branch of Nippersink Creek. Surface water flow continues northeast and than east where it enters Wonder Lake approximately 9.5 miles from the site. Nippersink Creek exits the lake approximately 2 miles northeast of where it entered and continues flowing in a northeastern direction.

Presently, the site is inactive, and no wastewater is being pumped through the WDC wastewater treatment plant, and the NPDES permit is no longer in effect. A surface water migration pathway no longer exists from the site. No wetlands or sensitive environments are located within close proximity to the site, nor has a release to any sensitive environment been documented. Surface water in the vicinity of the site is not known to be used recreationally.

No incidents of soil exposure to site-related TAL/TCL contaminants at the WDC site have been documented. However, soil analysis of test borings conducted by TAGA in 1986 have revealed levels of TCL and TAL compounds including cyanide, chromium, nickel, and VOCs. The site is presently inactive, with no employees working at the site. The site is completely boarded up and fenced, and City of Woodstock Auxiliary Police provide security at the site.

The potential targets of soil exposure at the site include the approximately 11,000 persons who reside within a 1-mile radius of the site based on straight-line distances. There are no residences, schools, or daycare facilities located within 200 feet of the site, nor are there any known sensitive environments within 1 mile of the site.

No releases of hazardous substances to air from the WDC site have been documented. However, an investigation was conducted at the WDC facility on July 2, 1974, in response to a complaint submitted to the IEPA by the McHenry County Department of Health concerning an odor emanating from the facility. Area residents who were interviewed stated that they sometimes smelled odors coming from the site but they were not bothered by them. On

November 23, 1987, the WDC site was issued an IEPA air permit, which remained in effect until the site closing in 1990.

The population potentially affected by a release of hazardous substances to air includes the approximately 20,000 persons residing within a 4-mile radius of the site. There is no documentation suggesting that any critical or sensitive environment has been impacted by a release to air.

## 6. REFERENCES

References not included in Appendix B: documents that are currently available within U.S. EPA files; copyrighted documents that are currently available in E & E's library; maps produced by either the United States Geologic Survey or the Illinois State Geologic Survey; and documents that are created by the various state agencies for public use.


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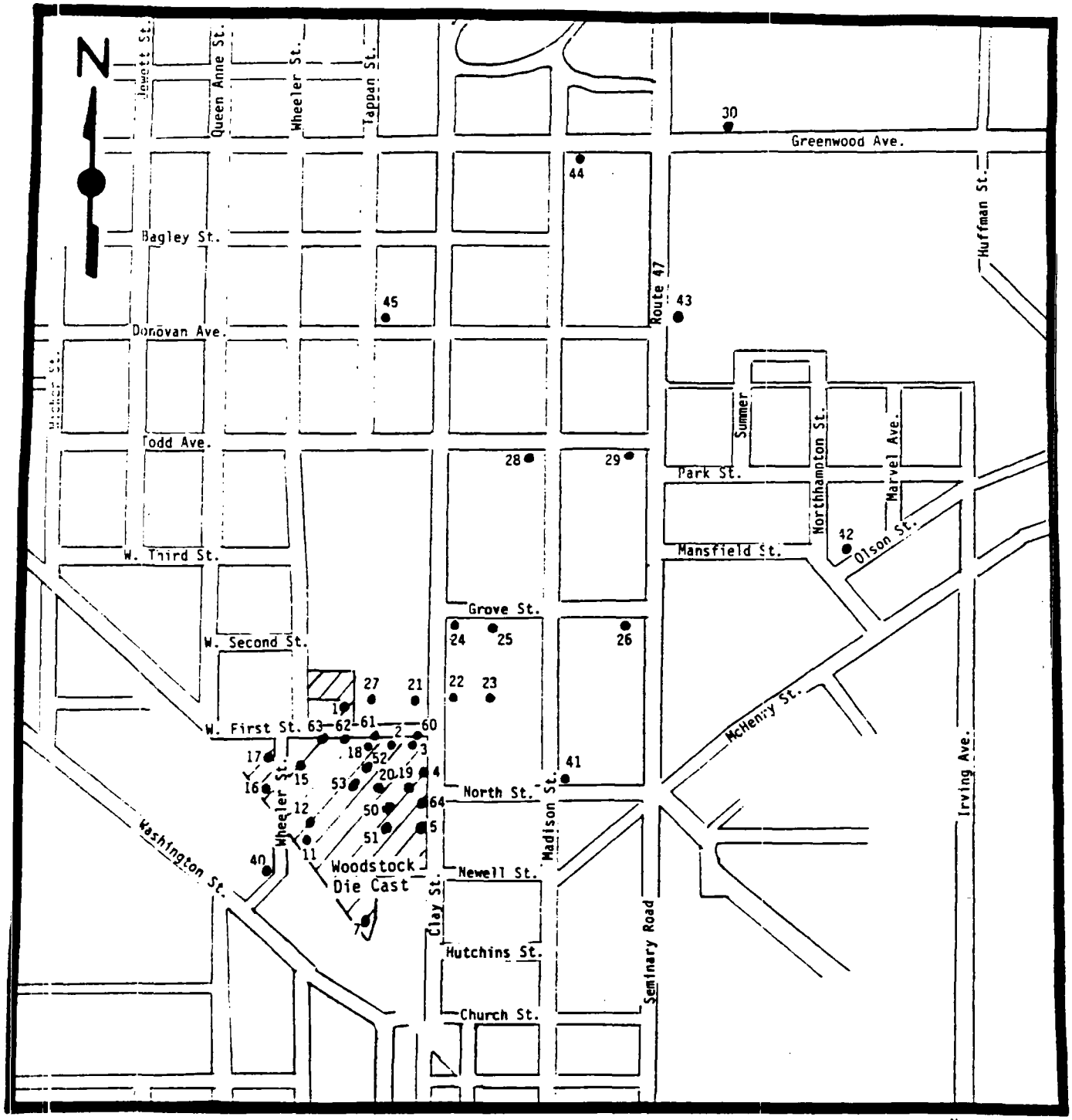
# APPENDIX A

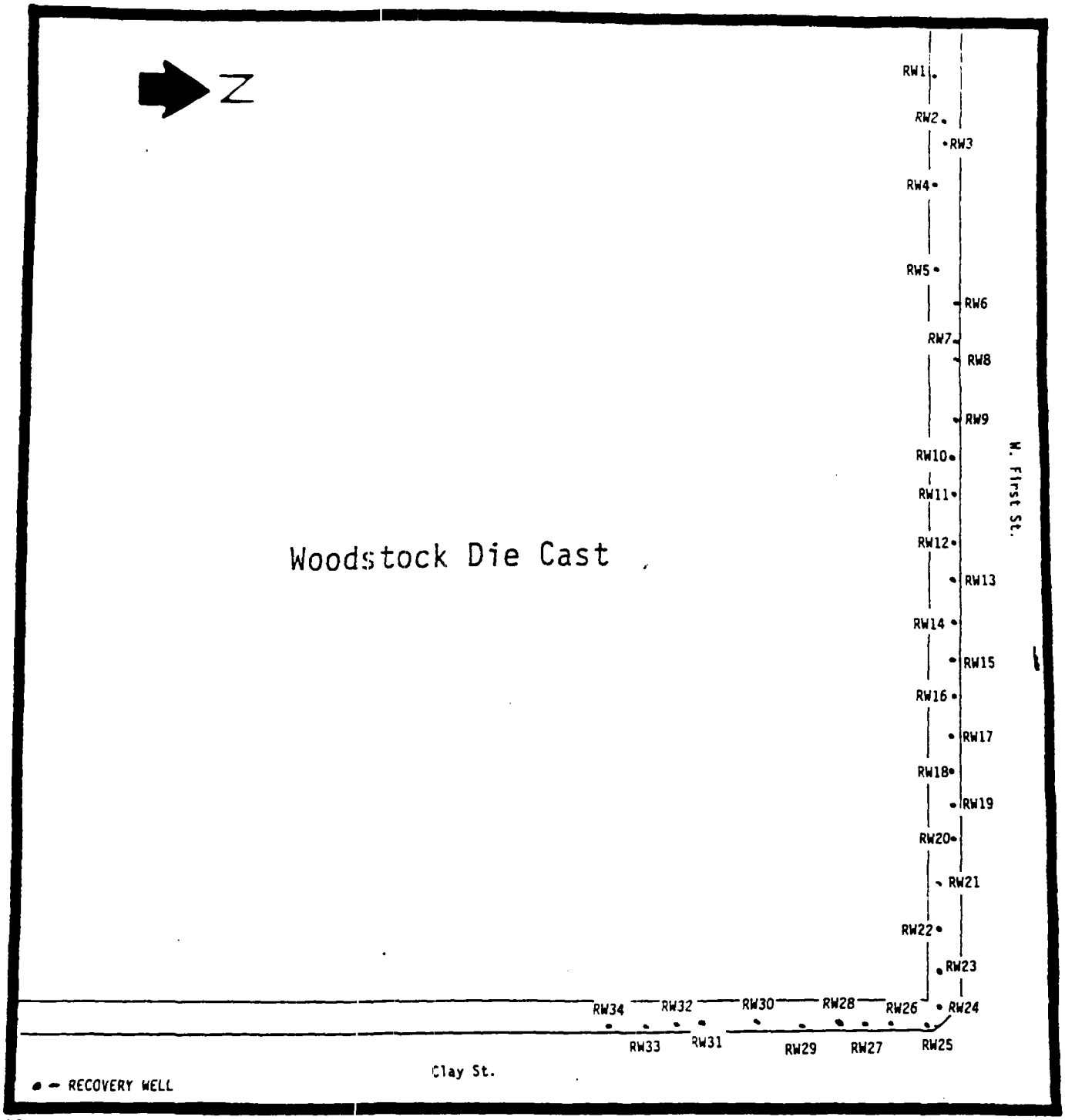
# CERCLA SSI SAMPLE ANALYTICAL RESULTS




SOURCE: IEPA, 1988. BASE MAP: T A Gleason Associates.

Not to scale

FIGURE 3-2 MONITOR WELL LOCATIONS




SOURCE: IEPA, 1988. BASE MAP: T A Gleason Associates.

Not to scale

FIGURE 2-4 RECOVERY WELL LOCATIONS

WCING.
02 Jun 87

| SAMPLE SOURCE | DATE | LAB | PH | SPECIFIC CONDUCTANCE | TEMP | CHROMIUM | HEXA-VALENT CHROMIUM | COPPER | CYANIDE | LEAD | NICKEL | ZINC | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | S U. | UMHOS/CM | C | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | | | | |
| MAXIMUM CONTAMINANT LEVEL (MCL). | | | | | | 50 | | | | 50 | | 5000 | | | | |
| 1-24 | 11/18/85 | AQUA TECH | | | | 180 | <20 | | 60 | 60 | 190 | 870 | | | | |
| | 12/20/35 | AQUA TECH | | | | 65 | | | <10 | 80 | 180 | 780 | | | | |
| | 12/20/85 | HOWARD | | | | 77 | | | <5 | 22 | 130 | 460 | | | | |
| | 06/22/86 | AQUA TECH | | | | 40 | | | | | 120 | 320 | | | | |
| | 06/22/86 | AQUA TECH | | | | <20 | | | | | 30 | 20 | | | | A |
| | 06/22/86 | FIELD T | 6.77 | 1009 | 14.8 | | | | | | | | | | | |
| | 09/14/86 | AQUA TECH | 6.88 | 2100 | | | | | <10 | | | | | | | |
| 1-140 | 11/18/85 | AQUA TECH | | | | 40 | | | <10 | <30 | 50 | 120 | | | | |
| | 12/20/85 | AQUA TECH | | | | 20 | | | | 11 | 25 | 75 | | | | |
| | 12/20/85 | HOWARD | | | | 32 | | | | 11 | 34 | 63 | | | | |
| 2-25 | 11/18/85 | AQUA TECH | | | | 160 | | | <10 | 52 | 1870 | 180 | | | | |
| | 10/23/85 | FIELD T | 7.42 | 2250 | | | | | | | | | | | | |
| | 10/24/85 | FIELD T | 7.45 | 2400 | | | | | | | | | | | | |
| | 12/20/85 | AQUA TECH | | | | 150 | | | | 16 | 1400 | 150 | | | | |
| | 12/20/85 | HOWARD | | | | 272 | | | | 16 | 1460 | 91 | | | | |
| | 06/22/86 | AQUA TECH | | | | 70 | | | | | 570 | | | | | |
| | 06/22/86 | FIELD T | 7.18 | 1570 | 18.2 | | | | | | | | | | | |
| 3-25 | 10/23/85 | FIELD T | 8.23 | 970 | | | | | | | | | | | | |
| | 10/24/85 | FIELD T | 8.37 | 1190 | | | | | | | | | | | | |
| | 11/18/85 | AQUA TECH | | | | 12000 | 1910 | | <10 | 12 | 80 | 110 | | | | |
| | 11/18/85 | AQUA TECH | | | | 12000 | | | | <30 | 40 | 70 | | | | B |

NOTES

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

A : DISSOLVED METALS 0.45 MICRON FIELD FILTRATION PERFORMED

B : SAMPLE FILTERED IN LAB AFTER ACID PRESERVATION IN FIELD

< : LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

TABLE 2

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS

PAGE 1 OF 22

GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILL
PROJECT BUBIL 006

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

9221300056

WDC1H02
02-Jun-87

| SAMPLE SOURCE | DATE | LAB | PH S U | SPECIFIC CONDUCTANCE UMHOS/CM | TEMP C | CHROMIUM UG/L | HEXA-VALENT CHROMIUM UG/L | COPPER UG/L | CYANIDE UG/L | LEAD UG/L | NICKEL UG/L | ZINC UG/L | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL) | | | | | | 50 | | | | 50 | | 5000 | | | | |
| 3-25 (Cont'd) | 12/20/85 | AQUA TECH | | | | 17800 | | | | 21 | 75 | 270 | | | | |
| | 12/20/85 | AQUA TECH | | | | 20800 | | | | 18 | 90 | 230 | | | | |
| | 12/20/85 | HOWARD | | | | 21800 | | | | 6 | 61 | 126 | | | | |
| | 12/20/85 | HOWARD | | | | 26100 | | | | 17 | 106 | 234 | | | | |
| | 06/22/86 | AQUA TECH | | | | 45400 | 32000 | | | | | | | | | |
| | 06/22/86 | AQUA TECH | | | | 41600 | | | | | | | | | | A |
| | 06/22/86 | FIELD T | 7.64 | 1087 | 18.6 | | | | | | | | | | | |
| | 04/16/87 | AQUA TECH | 7.26 | | | 820 | | 4 | 160 | 2 | 120 | 16 | | | | A |
| 4-24 | 11/18/85 | AQUA TECH | | | | 3940 | 2100 | | <10 | 30 | 190 | 2890 | | | | |
| | 11/18/85 | AQUA TECH | | | | 3290 | | | | <30 | 50 | 1970 | | | | B |
| | 12/20/85 | AQUA TECH | | | | 4890 | | | | 88 | 260 | 2360 | | | | |
| | 12/20/85 | HOWARD | | | | 8890 | | | | 370 | 168 | 2220 | | | | |
| | 06/22/86 | AQUA TECH | | | | 35000 | 27000 | | | 14 | 190 | 470 | | | | |
| | 06/22/86 | AQUA TECH | | | | 29200 | | | | <3 | 130 | 60 | | | | A |
| | 06/22/86 | FIELD T | 7.05 | 2120 | 16.0 | | | | | | | | | | | |
| 5-25 | 11/18/85 | AQUA TECH | | | | 60 | | | <10 | <30 | 50 | 180 | | | | |
| | 12/20/85 | AQUA TECH | | | | 35 | | | | 33 | 55 | 400 | | | | |
| | 12/20/85 | HOWARD | | | | 42 | | | | 129 | 52 | 260 | | | | |
| | 06/22/86 | FIELD T | 7.12 | 623 | 16.8 | | | | | | | | | | | |

NOTES.

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

A : DISSOLVED METALS 0.45 MICRON FIELD FILTRATION PERFORMED

B : SAMPLE FILTERED IN LAB AFTER ACID PRESERVATION IN FIELD

< : LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

TABLE 2

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS

PAGE 2 OF 22

GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILL
PROJECT NUMBER 006

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

WOCING
02-Jun 87

| TEMP C | SAMPLE SOURCE | DATE | LAB | PH S.U. | SPECIFIC CONDUCTANCE UMHOS/CM | TEMP C | CHROMIUM UG/L | HEXA-VALENT CHROMIUM UG/L | COPPER UG/L | CYANIDE UG/L | LEAD UG/L | NICKEL UG/L | ZINC UG/L | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MAXIMUM CONTAMINANT LEVEL (MCL): | | | | | | 50 | | | | 50 | | 5000 | | | | |
| | 12-25 | 10/23/86 | FIELD T | 6.52 | 6400 | | | | | | | | | | | | |
| | | 10/24/86 | FIELD T | 6.39 | 5600 | | | | | | | | | | | | |
| | | 11/18/86 | AQUA TECH | | | | 120 | | | <10 | 50 | 550 | 470 | | | | |
| | | 12/20/86 | AQUA TECH | | | | 95 | | | 10 | 49 | 640 | 590 | | | | |
| | | 12/20/86 | HOWARD | | | | 157 | | | <5 | 16 | 683 | 547 | | | | |
| | | 06/23/86 | AQUA TECH | | | | | | | | | 560 | | | | | |
| | | 06/23/86 | AQUA TECH | | | | | | | | | 240 | | | | | A |
| | | 06/23/86 | FIELD T | 6.28 | 3830 | 19.4 | | | | | | | | | | | |

NOTES

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS

A : DISSOLVED METALS (0.45) RECEIVED FIELD FILTRATION PERFORMED

B : SAMPLE FILTERED IN LAB AFTER ACID PRESERVATION IN FIELD

< : LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

TABLE 2

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS



GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT 0V01L 006

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

WBCINOS
02-Jun-87

| SAMPLE SOURCE | DATE | LAB | PH S.U | SPECIFIC CONDUCTANCE UMHOS/CM | TEMP C | CHROMIUM UG/L | HEXA-VALENT CHROMIUM UG/L | COPPER UG/L | CYANIDE UG/L | LEAD UG/L | NICKEL UG/L | ZINC UG/L | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL): | | | | | | 50 | | | | 50 | | 5000 | | | | |
| 15-25 | 10/23/85 | FIELD T | 7.91 | 20000 | | | | | | | | | | | | |
| | 10/23/85 | FIELD T | 7.45 | 15000 | | | | | | | | | | | | |
| | 10/24/85 | FIELD T | 7.24 | 9000 | | | | | | | | | | | | |
| | 10/24/85 | FIELD T | 7.31 | 6500 | | | | | | | | | | | | |
| | 11/18/85 | AQUA TECH | | | | 480 | <20 | | <10 | 80 | 180 | 620 | | | | |
| | 12/20/85 | AQUA TECH | | | | 80 | | | 10 | 140 | 200 | 680 | | | | |
| | 12/20/85 | HOWARD | | | | 82 | | | | 19 | 128 | 439 | | | | |
| | 06/23/86 | AQUA TECH | | | | 40 | | | | 36 | | | | | | |
| | 06/23/86 | FIELD T | 6.81 | 2600 | 16.7 | | | | | | | | | | | |
| 16-54 | 10/23/85 | FIELD T | 7.56 | 1660 | | | | | | | | | | | | |
| | 10/24/85 | FIELD T | 7.46 | 1760 | | | | | | | | | | | | |
| | 11/18/85 | AQUA TECH | | | | <30 | | | <10 | 30 | 60 | 50 | | | | |
| | 12/20/85 | AQUA TECH | | | | <10 | | | | 4 | <10 | 35 | | | | |
| | 12/20/85 | HOWARD | | | | 18 | | | | 65 | 12 | 94 | | | | |
| 16-152 | 11/18/85 | AQUA TECH | | | | 230 | <20 | | <10 | 160 | 270 | 770 | | | | |
| | 12/20/85 | AQUA TECH | | | | <10 | | | | 14 | <10 | 80 | | | | |
| | 12/20/85 | HOWARD | | | | 24 | | | | 13 | 15 | 63 | | | | |

NOTES.

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS

A : DISSOLVED METALS 0.45 MICRON FIELD FILTRATION PERFORMED

B : SAMPLE FILTERED IN LAB AFTER ACID PRESERVATION IN FIELD

< : LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 2

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS



GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT MOBIL 006

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

9221400059

WDC1N06
07-Jun-87

| SAMPLE SOURCE | DATE | LAB | PH S U | SPECIFIC CONDUCT-ANCE UMHOS/CM | TEMP C | CHROMIUM UG/L | HEXA-VALENT CHROMIUM UG/L | COPPER UG/L | CYANIDE UG/L | LEAD UG/L | NICKEL UG/L | ZINC UG/L | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL): | | | | | | 50 | | | | 50 | | 5000 | | | | |
| 17-25 | 11/18/85 | AQUA TECH | | | | 60 | | | <10 | 150 | 30 | 70 | | | | |
| | 12/20/85 | AQUA TECH | | | | 25 | | | | 6 | 30 | 90 | | | | |
| | 12/20/85 | HOWARD | | | | 12 | | | | <5 | 28 | 127 | | | | |
| | 06/22/86 | FIELD T | 6.68 | 4320 | 17.8 | | | | | | | | | | | |
| 17-83 | 11/18/85 | AQUA TECH | | | | 150 | | | <10 | 70 | 150 | 470 | | | | |
| | 12/20/85 | AQUA TECH | | | | 20 | | | | 12 | 40 | 100 | | | | |
| | 12/20/85 | HOWARD | | | | 9 | | | | <5 | 14 | 26 | | | | |
| | 06/22/86 | FIELD T | 7.07 | 774 | 17.3 | | | | | | | | | | | |
| 17-135 | 11/18/85 | AQUA TECH | | | | 140 | | | <10 | 40 | 170 | 370 | | | | |
| | 12/20/85 | AQUA TECH | | | | <10 | | | | 6 | 15 | 40 | | | | |
| | 12/20/85 | HOWARD | | | | <5 | | | | <5 | <5 | 38 | | | | |
| | 06/22/86 | FIELD T | 7.19 | 776 | 18.1 | | | | | | - | | | | | |
| 17-177 | 07/10/86 | FIELD T | 7.13 | 575 | 16.4 | | | | | | | | | | | |
| | 07/10/86 | AQUA TECH | | | | <20 | <5 | | <10 | 16 | <20 | 60 | | | | |
| | 07/10/86 | AQUA TECH | | | | <20 | | | | 3 | <20 | 60 | | | | A |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

A : DISSOLVED METALS 0.45 MICRON FIELD FILTRATION PERFORMED

B : SAMPLE FILTERED IN LAB AFTER ACID PRESERVATION IN FIELD

< : LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

TABLE 2

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS



GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT NUMBER 002

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

9221800057 0

WGCING7
02-Jun-87

| SAMPLE SOURCE | DATE | LAB | PH S.U. | SPECIFIC CONDUCTANCE UMHOS/CM | TEMP C | CHROMIUM UG/L | HEXA-VALENT CHROMIUM UG/L | COPPER UG/L | CYANIDE UG/L | LEAD UG/L | NICKEL UG/L | ZINC UG/L | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL): | | | | | | 50 | | | | 50 | | 5000 | | | | |
| 18-15 | 10/23/85 | FIELD T | 9.2 | 4500 | | | | | | | | | | | | |
| | 10/24/85 | FIELD T | 9.17 | 5900 | | | | | | | | | | | | |
| | 11/18/85 | AQUA TECH | | | | 90 | | | | | | | | | | |
| | 12/20/85 | AQUA TECH | | | | 40 | | | 510 | 6 | 370 | 45 | | | | |
| | 12/20/85 | AQUA TECH | | | | | | | 3480 | | | | | | | |
| | 12/20/85 | HOWARD | | | | | | | 2760 | | | | | | | |
| | 12/20/85 | HOWARD | | | | 52 | | | 3200 | 6 | 449 | 40 | | | | |
| | 06/22/86 | AQUA TECH | | | | 40 | | | 100 | | | | | | | |
| | 06/22/86 | FIELD T | 9.03 | 4410 | 18.3 | | | | | | | | | | | |
| | 04/16/87 | AQUA TECH | 8.97 | | | 32 | | 990 | 1770 | 6 | 290 | 8 | | | | A |
| 18-35 | 10/23/85 | FIELD T | 8.61 | 5100 | | | | | | | | | | | | |
| | 10/24/85 | FIELD T | 8.52 | 5800 | | | | | | | | | | | | |
| | 11/18/85 | AQUA TECH | | | | 70 | | | <10 | <30 | 350 | 100 | | | | |
| | 12/20/85 | AQUA TECH | | | | 15 | | | <10 | 6 | 210 | 30 | | | | |
| | 12/20/85 | HOWARD | | | | 20 | | | 330 | 16 | 311 | <25 | | | | |
| | 04/16/87 | AQUA TECH | 8.35 | | | 16 | | 4 | 3430 | 5 | 68 | 4 | | | | A |

NOTES:

OUR INTERPRETATION OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

A : DISSOLVED METALS 0.45 MICRON FIELD FILTRATION PERFORMED

B : SAMPLE FILTERED IN LAB AFTER ACID PRESERVATION IN FIELD

< : LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

TABLE 2

GROUNDWATER QUALITY ANALYSIS
INORGANIC CHEMICALS



GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT DUBIL 002

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

9221800571

19161SS
05-Jun-88

| WELL NO. | SAMPLE # | DATE | LAB | SPECIFIC CONDUCTANCE UMHOS/CM | pH SU | TEMP C | CHROMIUM UG/L | HEXAVALENT CHROMIUM UG/L | LEAD UG/L | NICKEL UG/L | ZINC UG/L | CYANIDE UG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19-17 | | 06/23/86 | AQUA | 1943 | 6.98 | 20.5 | 3250 | 4000 | 22 | 80 | 190 | <10 |
| | | 06/23/86 | AQUA | | | | 4500 | | <3 | <20 | 20 | |
| | | 06/23/86 | AQUA | | | | 3210 | 3480 | 14 | 80 | 150 | <10 |
| | | 06/23/86 | AQUA | | | | 3990 | | <3 | 20 | 10 | |
| | | 06/23/86 | HOWARD | | | | 4310 | 4000 | 30 | 113 | 322 | 16 |
| | | 06/23/86 | HOWARD | | | | 4900 | | 5 | 16 | <25 | |
| | 31 | 02/19/88 | AQUA | | | | 5900 | 3900 | <3 | 46 | <20 | 30 |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

ALL SAMPLES AFTER JULY 1, 1987 FILTERED UNLESS OTHERWISE INDICATED

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 3

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS
SEMI ANNUAL SAMPLING
PAGE 1 OF 10
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
WOODSTOCK DIE CAST
WOODSTOCK, ILLNOIS
PROJECT ALAUWD WDIL 007

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

9221800057 2

1935ISS
05-Jun-88

| WELL NO. | SAMPLE # | DATE | LAB | SPECIFIC CONDUCTANCE UMHOS/CM | pH SU | TEMP C | CHROMIUM UG/L | HEXAVALENT CHROMIUM UG/L | LEAD UG/L | NICKEL UG/L | ZINC UG/L | CYANIDE UG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19-35 | · | 06/23/86 | AQUA | 2490 | 7.07 | 20.5 | 240 | 220 | <3 | <20 | 10 | 10 |
| | | 06/23/86 | AQUA | | | | 130 | | <3 | <20 | 10 | |
| | 32 | 02/19/88 | AQUA | | | | 98400 | 57700 | <3 | 120 | 32 | 260 |
| | 33 | 02/19/88 | AQUA | | | | 83400 | 48600 | <3 | 130 | 33 | 30 |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

ALL SAMPLES AFTER JULY 1, 1987 FILTERED UNLESS OTHERWISE INDICATED

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 3

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS
SEMI ANNUAL SAMPLING
PAGE 2 OF 10
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
WOODSTOCK DIE CAST
WOODSTOCK, ILLNOIS
PROJECT ALAUAD WDIL 007

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

9221300057 3

2015ISS
05-Jun-88

| WELL NO. | SAMPLE # | DATE | LAB | SPECIFIC CONDUCTANCE UMHOS/CM | pH SU | TEMP C | CHROMIUM UG/L | HEXA-VALENT CHROMIUM UG/L | LEAD UG/L | NICKEL UG/L | ZINC UG/L | CYANIDE UG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20-15 | | 06/22/86 | AQUA | 2390 | 6.81 | 22.8 | 62600 | 52000 | 62 | 270 | 440 | <10 |
| | | 06/22/86 | AQUA | | | | 62200 | | <6 | 80 | 20 | |
| | | 06/22/86 | AQUA | | | | 62900 | | 72 | 280 | 505 | |
| | | 06/23/85 | HOWARD | | | | 72300 | | 40 | 252 | 538 | |
| | 34 | 02/19/88 | AQUA | | | | 32000 | 16700 | <3 | 2000 | 44 | 200 |

NOTES:

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ALL SAMPLES AFTER JULY 1, 1987 FILTERED UNLESS OTHERWISE INDICATED

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 3

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS
SEMI ANNUAL SAMPLING
PAGE 3 OF 10
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
WOODSTOCK DIE CAST
WOODSTOCK, ILLNOIS
PROJECT ALAUWD WDIL 007

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

9221800057 4

WDCINOB
02-Jun-87

| SAMPLE SOURCE | DATE | LAB | PH S.U. | SPECIFIC CONDUCTANCE UMHOS/CM | TEMP C | CHROMIUM UG/L | HEXA-VALENT CHROMIUM UG/L | COPPER UG/L | CYANIDE UG/L | LEAD UG/L | NICKEL UG/L | ZINC UG/L | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL): | | | | | | 50 | | | | 50 | | 5000 | | | | |
| 19-16 | 06/23/86 | AQUA TECH | | | | 3250 | 4000 | | <10 | 22 | 80 | 190 | | | | |
| | 06/23/86 | AQUA TECH | | | | 4500 | | | | <3 | 20 | 20 | | | | A |
| | 06/23/86 | AQUA TECH | | | | 3210 | 3480 | | <10 | 14 | 80 | 150 | | | | |
| | 06/23/86 | AQUA TECH | | | | 3990 | | | | <3 | 20 | 10 | | | | A |
| | 06/23/86 | FIELD T | 6.98 | 1943 | 20.5 | | | | | | | | | | | |
| | 06/23/86 | HOWARD | | | | 4310 | 4000 | | 16 | 30 | 113 | 322 | | | | |
| | 06/23/86 | HOWARD | | | | 4900 | | | | <5 | 16 | <25 | | | | A |
| 19-35 | 06/23/86 | AQUA.TECH | | | | 240 | 220 | | 10 | <3 | <20 | 10 | | | | |
| | 06/23/86 | AQUA TECH | | | | 130 | | | | <3 | <20 | 10 | | | | A |
| | 06/23/86 | FIELD T | 7.07 | 2490 | 20.5 | | | | | | | | | | | |
| 20-15 | 06/22/86 | AQUA TECH | | | | 62600 | 52000 | | <10 | 62 | 270 | 440 | | | | |
| | 06/22/86 | AQUA TECH | | | | 62200 | | | | <6 | 80 | 20 | | | | A |
| | 06/22/86 | AQUA TECH | | | | 62900 | | | | 72 | 280 | 505 | | | | |
| | 06/23/86 | FIELD T | 6.81 | 2390 | 22.8 | | | | | | | | | | | |
| | 06/23/86 | HOWARD | | | | 72300 | | | | 40 | 252 | 538 | | | | |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

A : DISSOLVED METALS 0.45 MICRON FIELD FILTRATION PERFORMED

B : SAMPLE FILTERED IN LAB AFTER ACID PRESERVATION IN FIELD

< : LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 2

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS



GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT 8UBIL 006

T A GLEASON ASSOCIATES

Geotechnical and Environmental Services

9221800057 5

2024ISS
05-Jun-88

| WELL NO. | SAMPLE # | DATE | LAB | SPECIFIC CONDUCTANCE UMHOS/CM | pH SU | TEMP C | CHROMIUM UG/L | HEXA-VALENT CHROMIUM UG/L | LEAD UG/L | NICKEL UG/L | ZINC UG/L | CYANIDE UG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20-24 | | 06/23/86 | AQUA | 1982 | 6.86 | 22.6 | 41000 | 37000 | 65 | 220 | 370 | 20 |
| | | 06/23/86 | AQUA | | | | 37000 | | <3 | 30 | 10 | |
| | 35 | 02/19/88 | AQUA | | | | 4300 | 2600 | <3 | 240 | 36 | 50 |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

ALL SAMPLES AFTER JULY 1, 1987 FILTERED UNLESS OTHERWISE INDICATED

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 3

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS
SEMI ANNUAL SAMPLING
PAGE 4 OF 10
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
WOODSTOCK DIE CAST
WOODSTOCK, ILLINOIS
PROJECT ALAUWD WDIL 007

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

9221800057 6

WSCINJ9
02 Jun-87

| SAMPLE SOURCE | DATE | LAB | PH S.U. | SPECIFIC CONDUCTANCE UMHOS/CM | TEMP C | CHROMIUM UG/L | HEXA-VALENT CHROMIUM UG/L | COPPER UG/L | CYANIDE UG/L | LEAD UG/L | NICKEL UG/L | ZINC UG/L | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL) | | | | | | 50 | | | | 50 | | 5000 | | | | |
| 20-24 | 06/23/86 | AQUA TECH | | | | 41000 | 37000 | | 20 | 65 | 220 | 370 | | | | |
| | 06/23/86 | AQUA TECH | | | | 37000 | | | | <3 | 30 | 10 | | | | A |
| | 06/23/86 | FIELD T | 6.86 | 1982 | 22.6 | | | | | | | | | | | |
| 21-12 | 06/09/86 | FIELD T | 6.91 | 3600 | | 120 | | | | 105 | 175 | 1200 | | | | |
| | 06/23/86 | AQUA TECH | | | | 60 | | | <10 | 39 | 150 | 300 | | | | |
| | 09/14/86 | AQUA TECH | 6.62 | 3500 | | | | | <10 | | | | | | | |
| 21-23 | 06/10/86 | FIELD T | 6.73 | 2250 | | | | | | | | | | | | |
| | 06/10/86 | AQUA TECH | | | | 320 | | | | 210 | 590 | 1430 | | | | |
| | 06/23/86 | AQUA TECH | | | | 30 | | | 10 | 6 | 30 | 20 | | | | |
| | 06/23/86 | FIELD T | 6.50 | 1231 | 13.3 | | | | | | | | | | | |
| | 09/14/86 | AQUA TECH | 6.89 | 2100 | | | | | <10 | | | | | | | |
| 22-12 | 06/09/86 | FIELD T | 6.95 | 2000 | | | | | | | | | | | | |
| | 06/09/86 | AQUA TECH | | | | 140 | | | | 130 | 260 | 750 | | | | |
| | 06/09/86 | AQUA TECH | | | | 170 | | | | 160 | 260 | 770 | | | | |
| | 06/09/86 | AQUA TECH | | | | <20 | | | | 5 | <20 | 10 | | | | |
| | 06/22/86 | FIELD T | 6.71 | 1313 | 13.2 | | | | | | | | | | | |
| | 06/22/86 | AQUA TECH | | | | 90 | | | 100 | 54 | 150 | 290 | | | | |
| | 09/15/86 | AQUA TECH | | | | | | | <10 | | | | | | | |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

A : DISSOLVED METALS 0.45 MICRON

B : SAMPLE FILTERED IN LAB AFTER ACID PRESERVATION FIELD

< : LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 2

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS



GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT 8WDIL 006

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

9221300057 7

WDCIWD10
07-Jun-87

| SAMPLE SOURCE | DATE | LAB | PH S U | SPECIFIC CONDUCTANCE UMHOS/CM | TEMP C | CHROMIUM UG/L | HEXA-VALENT CHROMIUM UG/L | COPPER UG/L | CYANIDE UG/L | LEAD UG/L | NICKEL UG/L | ZINC UG/L | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL) | | | | | | 50 | 50 | | | 50 | | 5000 | | | | |
| 22-23 | 06/22/86 | AQUA TECH | | | | 60 | | | <10 | 41 | 180 | 230 | | | | |
| | 06/22/86 | AQUA TECH | | | | <20 | | | | <3 | 20 | 20 | | | | A |
| | 06/22/86 | FIELD T | 6.66 | 955 | 12.9 | | | | | | | | | | | |
| | 09/14/86 | AQUA TECH | 6.90 | 1740 | | | | | <10 | | | | | | | |
| 22-33 | 06/09/86 | FIELD T | 6.83 | 2200 | | | | | | | | | | | | |
| | 06/09/86 | AQUA TECH | | | | 340 | | | | 200 | 560 | 1290 | | | | |
| | 06/09/86 | AQUA TECH | | | | 20 | | | | 18 | 40 | 90 | | | | |
| | 06/09/86 | AQUA TECH | | | | 120 | | | | 89 | 180 | 420 | | | | |
| | 06/22/86 | FIELD T | 6.73 | 931 | 13.5 | | | | | | | | | | | |
| | 06/22/86 | AQUA TECH | | | | 40 | | | <10 | 37 | 70 | 150 | | | | |
| 23-12 | 06/09/86 | FIELD T | 6.65 | 1800 | | | | | | | | | | | | |
| | 06/09/86 | AQUA TECH | | | | 120 | | | | 80 | 220 | 630 | | | | |
| | 06/22/86 | AQUA TECH | | | | 130 | | | | 110 | 210 | 500 | | | | |
| 23-22 | 06/09/86 | FIELD T | 6.33 | 1039 | | | | | | | | | | | | |
| | 06/09/86 | AQUA TECH | | | | 70 | | | | 64 | 110 | 230 | | | | |
| | 06/22/86 | AQUA TECH | | | | 60 | | | | 30 | 120 | 130 | | | | |
| | 07/12/86 | AQUA TECH | | | | 40 | | | | 27 | 30 | 100 | | | | |
| | 09/14/86 | AQUA TECH | 6.85 | 3100 | | | | | <10 | | | | | | | |

NOTES

FOR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS

A : DISSOLVED METALS 0.45 MICRON FIELD FILTRATION PERFORMED

B : SAMPLE FILTERED IN LAB AFTER ACID PRESERVATION IN FIELD

< : LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 2

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS



GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT 0WDIL 006

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

9221300057/8

WBCIW011
02-Jun-87

| SAMPLE SOURCE | DATE | LAB | PH S.U. | SPECIFIC CONDUCTANCE UMHOS/CM | TEMP C | CHROMIUM UG/L | HEXAVALENT CHROMIUM UG/L | COPPER UG/L | CYANIDE UG/L | LEAD UG/L | NICKEL UG/L | ZINC UG/L | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL): | | | | | | 50 | | | | 50 | | 5000 | | | | |
| 24-12 | 06/10/86 | AQUA TECH | | | | 100 | | | | 40 | 80 | 480 | | | | |
| | 06/10/86 | FIELD T | 7.31 | 3000 | | | | | | | | | | | | |
| | 06/22/86 | AQUA TECH | | | | <20 | | | | 22 | 90 | 150 | | | | |
| 24-23 | 06/22/86 | AQUA TECH | | | | <20 | | | | 16 | 50 | 60 | | | | |
| | 06/22/86 | FIELD T | 6.54 | 784 | 13.8 | | | | | | | | | | | |
| 24-51 | 07/10/86 | FIELD T | 6.98 | 679 | 15.6 | | | | | | | | | | | |
| | 07/10/86 | AQUA TECH | | | | <20 | <5 | | <10 | 10 | <20 | 20 | | | | |
| | 07/10/86 | AQUA TECH | | | | <20 | | | | 8 | <20 | 50 | | | | A |

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< : LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 2

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS



GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT 90011 006

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

9221800057 9

WDC|WDL
02-Jun-87

| SAMPLE SOURCE | DATE | LAB | PH S.U. | SPECIFIC CONDUCTANCE UMHOS/CM | TEMP C | CHROMIUM UG/L | HEXA-VALENT CHROMIUM UG/L | COPPER UG/L | CYANIDE UG/L | LEAD UG/L | NICKEL UG/L | ZINC UG/L | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL): | | | | | | 50 | | | | 50 | | 5000 | | | | |
| 25-12 | 06/09/86 | FIELD T | 6.95 | 1350 | | | | | | | | | | | | |
| | 06/09/86 | AQUA TECH | | | | 220 | | | | 240 | 400 | 1820 | | | | |
| | 06/22/86 | FIELD T | 6.99 | 825 | 15.8 | | | | | | | | | | | |
| | 06/22/86 | AQUA TECH | | | | 80 | | | <10 | 92 | 260 | 610 | | | | |
| | 06/22/86 | AQUA TECH | | | | <20 | | | | <3 | 30 | 30 | | | | |
| | 07/12/86 | AQUA TECH | | | | <20 | | | | 67 | 120 | 440 | | | | |
| 25-23 | 06/09/86 | FIELD T | 6.78 | 1470 | | | | | | | | | | | | |
| | 06/09/86 | AQUA TECH | | | | 330 | | | | 540 | 640 | 2320 | | | | |
| | 06/22/86 | AQUA TECH | | | | <20 | | | | <3 | 50 | 20 | | | | A |
| | 06/22/86 | FIELD T | 6.75 | 865 | 14.4 | | | | | | | | | | | |
| | 06/22/86 | AQUA TECH | | | | 40 | 10 | | <10 | 24 | 100 | 150 | | | | |
| | 07/12/86 | AQUA TECH | | | | 110 | | | | 100 | 150 | 470 | | | | |
| 26-22 | 06/22/86 | AQUA TECH | | | | 20 | | | | 34 | 60 | 100 | | | | |
| | 06/22/86 | FIELD T | 6.79 | 815 | 12.7 | | | | | | | | | | | |
| | 07/12/86 | AQUA TECH | | | | 70 | | | | 106 | 100 | 530 | | | | |
| 27-12 | 06/22/86 | AQUA TECH | | | | 50 | | | | 31 | 130 | 220 | | | | |
| | 06/22/86 | FIELD T | 6.85 | 830 | 14.6 | | | | | | | | | | | |
| | 09/14/86 | AQUA TECH | 6.93 | 1550 | | | | | <10 | | | | | | | |

NOTES:

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B : SAMPLE FILTERED IN LAB AFTER ACID PRESERVATION IN FIELD

< : LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 2

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS



GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT NUMBER 006

T A GLERUM ASSOCIATES

Environmental and Geotechnical Services

WDCIN313
02-Jun-87

| SAMPLE SOURCE | DATE | LAB | PH S.U. | SPECIFIC CONDUCT-ANCE UMHOS/CM | TEMP C | CHROMIUM UG/L | HEXA-VALENT CHROMIUM UG/L | COPPER UG/L | CYANIDE UG/L | LEAD UG/L | NICKEL UG/L | ZINC UG/L | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL): | | | | | | 50 | | | | 50 | | 5000 | | | | |
| 27-23 | 06/22/86 | AQUA TECH | | | | <20 | | | | 16 | 50 | 60 | | | | A |
| | 06/22/86 | FIELD T | 7.03 | 678 | 16.6 | | | | | | | | | | | |
| | 06/22/86 | AQUA TECH | | | | 150 | | | | 98 | 310 | 500 | | | | |
| | 09/15/86 | AQUA TECH | 7.09 | 1440 | | | | | <10 | | | | | | | |
| 28-12 | 06/22/86 | AQUA TECH | | | | <20 | | | | <3 | 30 | 20 | | | | |
| | 06/22/86 | FIELD T | 6.67 | 591 | 14.2 | | | | | | | | | | | |
| | 07/12/86 | AQUA TECH | | | | 70 | | | | 57 | 110 | 260 | | | | |
| | 09/15/86 | AQUA TECH | | | | 260 | | | | 250 | 480 | 900 | | | | |
| | 09/15/86 | AQUA TECH | | | | 40 | | | | <3 | <20 | 10 | | | | A |
| 28-23 | 06/22/86 | AQUA TECH | | | | 260 | | | | 150 | 430 | 690 | | | | |
| | 06/22/86 | FIELD T | 6.8 | 913 | 13.3 | | | | | | | | | | | |
| | 07/12/86 | AQUA TECH | | | | 110 | | | | 74 | 120 | 290 | | | | |
| | 09/15/86 | AQUA TECH | | | | 390 | | | | 290 | 500 | 990 | | | | |
| 30-141 | 07/10/86 | AQUA TECH | 7.03 | 673 | 12.8 | | | | | | | | | | | |
| | 07/10/86 | AQUA TECH | | | | <20 | <5 | | <10 | 10 | <20 | 20 | | | | |
| | 07/10/86 | AQUA TECH | | | | <20 | | | | <3 | <20 | 30 | | | | |

NOTES:

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A : DISSOLVED METALS 0.45 MICRON FIELD FILTRATION PERFORMED

B : SAMPLE FILTERED IN LAB AFTER ACID PRESERVATION IN FIELD

< : LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 2

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS



GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT NUMBER 006

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

92216000581

02-Jun-87

| SAMPLE SOURCE | DATE | LAB | PH S.U. | SPECIFIC CONDUCTANCE UMHOS/CM | TEMP C | CHROMIUM UG/L | HEXA-VALENT CHROMIUM UG/L | COPPER UG/L | CYANIDE UG/L | LEAD UG/L | NICKEL UG/L | ZINC UG/L | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL): | | | | | | 50 | | | | 50 | | 5000 | |
| 40-20 | 09/15/86 | AQUA TECH | 6.85 | 1440 | | <20 | | | | 11 | 30 | 20 | A |
| | 09/15/86 | AQUA TECH | | | | 60 | | | <10 | 600 | 50 | 20 | |
| 40-45 | 09/15/86 | AQUA TECH | 6.79 | 1300 | | | | | <10 | | | | |
| | 09/15/86 | AQUA TECH | | | | <20 | | | | <3 | 60 | 10 | A |
| 41-30 | 09/14/86 | AQUA TECH | 6.86 | 1900 | | | | | <10 | | | | |
| | 09/14/86 | AQUA TECH | | | | <20 | | | | <3 | 30 | 110 | A |
| | 09/14/86 | AQUA TECH | | | | 200 | | | | 160 | 270 | 490 | |
| 42-44 | 9/15/86 | AQUA TECH | 7.12 | 2500 | | | | | <10 | | | | |
| | 9/15/86 | AQUA TECH | | | | 20 | | | | <3 | 20 | 50 | A |
| | 9/15/86 | AQUA TECH | | | | 200 | | | | 210 | 250 | 650 | |

NOTES

OUR INTERPRETATIONS THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

A : DISSOLVED METALS 0.45 MICRON FIELD FILTRATION PERFORMED

B : SAMPLE FILTERED IN LAB AFTER ACID PRESERVATION IN FIELD

< : LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 2

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS

PAGE 14 OF 22

GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT MUDIL 006

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

9221300058 2

WDCINOIS
02-Jun-87

| SAMPLE SOURCE | DATE | LAB | PH S.U. | SPECIFIC CONDUCTANCE UMHOS/CM | TEMP C | CHROMIUM UG/L | HEXA-VALENT CHROMIUM UG/L | COPPER UG/L | CYANIDE UG/L | LEAD UG/L | NICKEL UG/L | ZINC UG/L | | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL): | | | | | | 50 | | | | 50 | | 5000 | | | | | |
| 43-20 | 09/14/86 | AQUA TECH | 6.85 | 1400 | | | | | <10 | | | | | | | | |
| | 09/14/86 | AQUA TECH | | | | <20 | | | | <3 | <20 | 30 | | | | | A |
| | 09/14/86 | AQUA TECH | | | | 40 | | | | 26 | 80 | 140 | | | | | |
| 43-55 | 09/14/86 | AQUA TECH | 6.82 | 2200 | | | | | <10 | | | | | | | | |
| | 09/14/86 | AQUA TECH | | | | <20 | | | | <3 | 20 | 20 | | | | | A |
| | 09/14/86 | AQUA TECH | | | | <20 | | | | 17 | 30 | 80 | | | | | |
| 44-35 | 09/14/86 | AQUA TECH | | | | | | | <10 | | | | | | | | |
| | 09/14/86 | AQUA TECH | | | | | | | <10 | | | | | | | | |
| | 09/14/86 | AQUA TECH | | | | 20 | | | | <3 | 20 | 40 | | | | | A |
| | 09/14/86 | AQUA TECH | | | | <20 | | | | <3 | 30 | 40 | | | | | |
| 44-55 | 09/14/86 | AQUA TECH | 7.16 | 1440 | | | | | <10 | | | | | | | | |
| | 09/14/86 | AQUA TECH | | | | 20 | | | | <3 | <20 | 30 | | | | | A |
| | 09/14/86 | AQUA TECH | | | | <20 | | | | <3 | 20 | 40 | | | | | |

NOTES:

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B : SAMPLE FILTERED IN LAB AFTER ACID PRESERVATION IN FIELD

< : LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 2

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS



GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT 0NDIL 006

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

9 2 2 1 3 0 0 0 5 8 3

50201SS
05-Jun-88

| WELL NO. | SAMPLE # | DATE | LAB | SPECIFIC CONDUCTANCE UMHOS/CM | pH SU | TEMP C | CHROMIUM UG/L | HEXA VALENT CHROMIUM UG/L | LEAD UG/L | NICKEL UG/L | ZINC UG/L | CYANIDE UG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50-20 | | 01/15/87 | AQUA | | | | 22900 | | | | | 21 |
| | | 01/15/87 | AQUA | 2200 | | 20 | 17600 | | | | | 14 |
| | | 02/10/87 | AQUA | 2000 | 7.31 | 19 | 13900 | | 74 | 600 | 460 | 320 |
| | | 02/10/87 | AQUA | | | | 13600 | | 34 | 490 | 230 | 230 |
| | 29 | 02/19/88 | AQUA | | | | 13100 | 8900 | <3 | 860 | 20 | 190 |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

ALL SAMPLES AFTER JULY 1, 1987
FILTERED UNLESS OTHERWISE INDICATED

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 3

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS
SEMIANNUAL SAMPLING
PAGE 5 OF 10
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
WOODSTOCK DIE CAST
WOODSTOCK, ILLINOIS
PROJECT ALAUND WDIL 007

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

9221800054

5035ISS
05-Jun-88

| WELL NO. | SAMPLE # | DATE | LAB | SPECIFIC CONDUCTANCE UMHOS/CM | pH SU | TEMP C | CHROMIUM UG/L | HEXA-VALENT CHROMIUM UG/L | LEAD UG/L | NICKEL UG/L | ZINC UG/L | CYANIDE UG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50-35 | | 01/15/87 | AQUA | 2200 | | 21 | 190 | | | | | 14 |
| | | 02/10/87 | AQUA | 1600 | 7.55 | 19 | 110 | | 2 | 150 | 32 | 70 |
| | 30 | 02/19/88 | AQUA | | | | 33 | <50 | <3 | 120 | <20 | 10 |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

ALL SAMPLES AFTER JULY 1, 1987 FILTERED UNLESS OTHERWISE INDICATED

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 3

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS
SEMIANNUAL SAMPLING
PAGE 6 OF 10
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
WOODSTOCK DIE CAST
WOODSTOCK, ILLINOIS
PROJECT ALAUMD WDIL 007

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

9221300585

VDC1N014
02-Jan-87

| SAMPLE SOURCE | DATE | LAB | PH S U | SPECIFIC CONDUCTANCE UMHOS/CM | TEMP C | CHROMIUM UG/L | HEXA-VALENT CHROMIUM UG/L | COPPER UG/L | CYANIDE UG/L | LEAD UG/L | NICKEL UG/L | ZINC UG/L | | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL) | | | | | | 50 | | | | 50 | | 5000 | | | | | |
| 45-29 | 09/15/86 | AQUA TECH | 7.84 | 2500 | | | | | <10 | | | | | | | | |
| | 09/15/86 | AQUA TECH | | | | <20 | | | | <3 | 20 | 20 | | | | | A |
| | 09/15/86 | AQUA TECH | | | | 120 | | | | 54 | 100 | 310 | | | | | |
| 45-50 | 09/14/86 | AQUA TECH | 7.15 | 1410 | | | | | <10 | | | | | | | | |
| | 09/14/86 | AQUA TECH | | | | <20 | | | | <3 | 30 | 20 | | | | | A |
| | 09/14/86 | AQUA TECH | | | | <20 | | | | <3 | <20 | 20 | | | | | |
| 50-20 | 01/15/87 | AQUA TECH | | | | 22900 | | | 21 | | | | | | | | |
| | 01/15/87 | AQUA TECH | | 2200 | 20 | 17600 | | | 14 | | | | | | | | |
| | 02/10/87 | AQUA TECH | 7.31 | 2000 | 19 | 13900 | | | 320 | 74 | 600 | 460 | | | | | |
| | 02/10/87 | AQUA TECH | | | | 13600 | | | 230 | 34 | 490 | 230 | | | | | |
| 50-35 | 01/15/87 | AQUA TECH | | 2200 | 21 | 190 | | | 14 | | | | | | | | |
| | 02/10/87 | AQUA TECH | 7.55 | 1600 | 19 | 110 | | | 70 | 2 | 150 | 32 | | | | | |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

A : DISSOLVED METALS 0.45 MICRON FIELD FILTRATION PERFORMED

B : SAMPLE FILTERED IN LAB AFTER ACID PRESERVATION IN FIELD

< : LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 2

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS



GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT NUMBER 006

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

9221800054 6

5120ISS
05-Jun-88

| WELL NO. | SAMPLE # | DATE | LAB | SPECIFIC CONDUCTANCE UMHOS/CM | pH SU | TEMP C | CHROMIUM UG/L | HEXAVALENT CHROMIUM UG/L | LEAD UG/L | NICKEL UG/L | ZINC UG/L | CYANIDE UG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51-20 | | 01/15/87 | AQUA | 2600 | | 18 | 110 | | | | | 49 |
| | | 02/10/87 | AQUA | 2000 | 7.36 | 18 | 130 | | 40 | 200 | 270 | 1160 |
| | 28 | 02/19/88 | AQUA | | | | <30 | <50 | <3 | 85 | <20 | 1650 |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

ALL SAMPLES AFTER JULY 1, 1987 FILTERED UNLESS OTHERWISE INDICATED

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 3

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS
SEMIANNUAL SAMPLING
PAGE 7 OF 10
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
WOODSTOCK DIE CAST
WOODSTOCK, ILLINOIS
PROJECT ALAUMD WDIL 007

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

9221300053 7

WBCIH017
02-Jun-87

| SAMPLE SOURCE | DATE | LAB | PH S.U. | SPECIFIC CONDUCTANCE UMHOS/CM | TEMP C | CHROMIUM UG/L | HEXAVALENT CHROMIUM UG/L | COPPER UG/L | CYANIDE UG/L | LEAD UG/L | NICKEL UG/L | ZINC UG/L | | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL) | | | | | | 50 | | | | 50 | | 5000 | | | | | |
| S1-20 | 01/15/87 | AQUA TECH | | 2600 | 18 | 110 | | | 49 | | | | | | | | |
| | 02/10/87 | AQUA TECH | 7.36 | 2000 | 18 | 130 | | | 1160 | 40 | 200 | 270 | | | | | |
| S2-20(SS) | 01/17/87 | AQUA TECH | | 1850 | 18 | 60 | | | 182 | | | | | | | | SS |
| | 02/10/87 | AQUA TECH | 7.1 | 2000 | 19 | 12 | | | 180 | 13 | 840 | 48 | | | | | |
| S2-20 | 01/17/87 | AQUA TECH | | 1900 | 18 | 40 | | | 35 | | | | | | | | |
| | 02/10/87 | AQUA TECH | 7.25 | 2000 | 19 | 140 | | | 200 | 93 | 1200 | 520 | | | | | |
| | 02/10/87 | AQUA TECH | 7.25 | 2000 | 19 | 130 | | | 240 | 100 | 1300 | 590 | | | | | |
| S3-20(SS) | 01/16/87 | AQUA TECH | | 1125 | 19 | 40 | | | 70 | | | | | | | | SS |
| | 02/10/87 | AQUA TECH | 7.3 | 1150 | 19 | 20 | | | 70 | 15 | 116 | 76 | | | | | |
| S3-20 | 01/16/87 | AQUA TECH | | 1180 | 19 | 50 | | | 20 | | | | | | | | |
| | 02/10/87 | AQUA TECH | 7.34 | 1150 | 19 | 76 | | | 350 | 100 | 320 | 420 | | | | | |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

A : DISSOLVED METALS 0.45 MICRON FIELD FILTRATION PERFORMED

B : SAMPLE FILTERED IN LAB AFTER ACID PRESERVATION IN FIELD

< : LESS THAN

SS : STAINLESS STEEL CONSTRUCTION

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 2

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS



GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT AMOIL 006

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

9221800058

GBCINO16
02-Jun-87

| SAMPLE SOURCE | DATE | LAB | PH | SPECIFIC CONDUCTANCE | TEMP | CHROMIUM | HEXA-VALENT CHROMIUM | COPPER | CYANIDE | LEAD | NICKEL | ZINC | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | S.U | UMHOS/CM | C | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | | | | |
| MAXIMUM CONTAMINANT LEVEL (MCL): | | | | | | 50 | | | | 50 | | 5000 | | | | |
| 60-16 | 04/16/87 | AQUA TECH | 7.32 | | | 37000 | | 12 | 133 | 1 | 80 | 16 | | | | A |
| 60-23 | 04/16/87 | AQUA TECH | 7.1 | | | 20 | | 12 | 179 | <1 | 16 | 12 | | | | A |
| 60-31 | 04/16/87 | AQUA TECH | 6.97 | | | 12 | | <4 | 209 | <1 | 12 | 12 | | | | A |
| 60-40 | 04/16/87 | AQUA TECH | 7.20 | | | 250 | | 4 | 212 | <1 | 12 | 12 | | | | A |

NOTES:

OUR INTERPRETATIONS of THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

A : DISSOLVED METALS @ <5 MICRON FIELD FILTRATION PERFORMED

B : SAMPLE FILTERED IN LAB AFTER ACID PRESERVATION IN FIELD

< : LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 2

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS



GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
BOONSTOCK, ILLINOIS
PROJECT ORDER 006

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

9221800005589

6145ISS
05-Jun-88

| WELL NO. | SAMPLE # | DATE | LAB | SPECIFIC CONDUCTANCE | pH | TEMP | HEXA-VALENT CHROMIUM | CHROMIUM | COPPER | NICKEL | | CYANIDE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | UMHOS/CM | SU | C | UG/L | UG/L | UG/L | UG/L | | MG/L |
| MAXIMUM CONTAMINANT LEVEL (MCL): | | | | | | | .050 | .050 | | 1.00 | | .025 |
| 61-45 | | 12/09/87 | | | | | | | 420 | | | 3.60 |
| | | 12/11/87 | | | | | | | 390 | | | 3.25 |
| | | 12/15/87 | | | | | | | 320 | | | 3.35 |
| | | 12/16/87 | | | | | | | 270 | | | 3.25 |
| | | 12/18/87 | | | | | | | 300 | | | 3.15 |
| | | 01/08/88 | | | | | | | | | | 3.25 |
| | WDC-6 | 04/09/88 | AQUA | | | | | | | | | 6.50 |
| | WDC-7 | 04/09/88 | AQUA | | | | | | | | | 5.10 |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

* = METAL FILTERED THROUGH .45 MICRON FILTER

SCL - SCIENTIFIC CONTROL LABS, INC.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 3

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS
SEMIANNUAL SAMPLING
PAGE 8 OF 10
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
WOODSTOCK DIE CAST
WOODSTOCK, ILLINOIS
PROJECT # ALAUAD WDIL

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

9221300US90

6155ISS
05-Jun-88

| WELL NO. | SAMPLE # | DATE | LAB | SPECIFIC CONDUCTANCE UMHOS/CM | pH SU | TEMP C | HEXA-VALENT CHROMIUM UG/L | CHROMIUM UG/L | COPPER UG/L | NICKEL UG/L | | CYANIDE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL): | | | | | | | .050 | .050 | | 1.00 | | .025 |
| 61-55 | WDC-1 10:30 A | 04/01/88 | SCL | | | | | | | | | 0.25 |
| | WDC-1 10:35 A | 04/01/88 | SCL | | | | | | | | | 0.22 |
| | WDC-3 | | | | | | | | 140 | | | 0.30 |
| | WDC-4 | 04/05/88 | AQUA | | | | | | 80 | | | <0.01 |
| | WDC-9 | 04/09/88 | AQUA | | | | | | | | | 0.34 |
| | WDC-8 | 04/09/88 | AQUA | | | | | | | | | 0.42 |
| | WDC-10 | 04/09/88 | AQUA | | | | | | | | | 0.35 |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

* = METAL FILTERED THROUGH .45 MICRON FILTER

SCL - SCIENTIFIC CONTROL LABS, INC.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 3

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS
SEMIANNUAL SAMPLING
PAGE 9 OF 10
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
WOODSTOCK DIE CAST
WOODSTOCK, ILLINOIS
PROJECT # ALAUAD WDIL 07

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

9221800059 1

WDC INO:
02-Jun-87

| SAMPLE SOURCE | DATE | LAB | PH | SPECIFIC CONDUCTANCE | TEMP | CHROMIUM | HEXA-VALENT CHROMIUM | COPPER | CHROMIUM | LEAD | NICKEL | ZINC | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | S.U. | UMHOS/CM | C | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | | | | |
| MAXIMUM CONTAMINANT LEVEL (MCL): | | | | | | 50 | | | | 50 | | 5000 | | | | |
| 61-20 | 04/16/87 | AQUA TECH | 9.15 | | | <13 | | 1400 | 525000 | 11 | 110 | 20 | | | | A |
| 61-25 | 04/16/87 | AQUA TECH | 8.93 | | | 12 | | 140 | 440000 | 10 | 20 | 12 | | | | A |
| 62-15 | 04/16/87 | AQUA TECH | 7.21 | | | <10 | | 12 | 585 | <1 | 100 | 16 | | | | A |
| | 04/16/87 | AQUA TECH | 7.21 | | | <10 | | 12 | 841 | <1 | 100 | 16 | | | | A |
| 63-16 | 04/16/87 | AQUA TECH | 7.12 | | | <10 | | 24 | <10 | 3 | 16 | 12 | | | | A |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

A : DISSOLVED METALS 0.45 MICRON FIELD FILTRATION PERFORMED

B : SAMPLE FILTERED IN LAB AFTER ACID PRESERVATION IN FIELD

< : LESS THAN

BLANK SPACE INDICATES ANALYSES NOT PERFORMED

TABLE 2

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS



GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT NUMBER 006

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

9221800059 2

WBCIN020
02-Jun-87

| SAMPLE SOURCE | DATE | LAB | PH | SPECIFIC CONDUCT-ANCE | TEMP | CHROMIUM | HEXA-VALENT CHROMIUM | COPPER | CYANIDE | LEAD | NICKEL | ZINC | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | S.U. | UMHOS/CM | C | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | | | | |
| MAXIMUM CONTAMINANT LEVEL (MCL): | | | | | | 50 | | | | 50 | | 5000 | | | | |
| 64-15 | 04/16/87 | AQUA TECH | | | | <10 | | 12 | <10 | 2 | 20 | 32 | | | | A |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

A = DISSOLVED METALS 0.45 MICRON FIELD FILTRATION PERFORMED

B = SAMPLE FILTERED AT LAB AFTER ACID PRESERVATION IN FIELD

< = LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 2

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS



GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT NUMBER 006

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

9221300059 3

WDCIN021
02-Jun-87

| SAMPLE SOURCE | DATE | LAB | PH S.U. | SPECIFIC CONDUCTANCE UMHOS/CM | TEMP C | CHROMIUM UG/L | HEXA-VALENT CHROMIUM UG/L | COPPER UG/L | CYANIDE UG/L | LEAD UG/L | NICKEL UG/L | ZINC UG/L | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL): | | | | | | 50 | | | | 50 | | 5000 | | | | |
| CITY WELL 1 | 09/20/85 | AQUA TECH | | | | <10 | | | <10 | 12 | <10 | 24 | | | | |
| | 09/20/85 | HOWARD | | | | 17 | | | <5 | <5 | <5 | <25 | | | | |
| | 12/20/85 | AQUA TECH | | | | <10 | | | <10 | 2 | <10 | 30 | | | | |
| | 12/20/85 | HOWARD | | | | <5 | | | <5 | 7 | <5 | 105 | | | | |
| | 07/12/86 | AQUA TECH | | | | <20 | | | <10 | 4 | <20 | 60 | | | | |
| | 12/15/86 | AQUA TECH | | | | <10 | | | <10 | <3 | <10 | 52 | | | | 1 |
| CITY WELL 4 | 07/12/86 | AQUA TECH | | | | <20 | | | <10 | 3 | <20 | 60 | | | | |
| | 12/15/86 | AQUA TECH | | | | <10 | | | <10 | <3 | <10 | 40 | | | | 1 |
| CITY WELL 5 | 12/20/85 | AQUA TECH | | | | <10 | | | <10 | <1.5 | <10 | 65 | | | | |
| | 12/20/85 | HOWARD | | | | <5 | | | <5 | 21 | <5 | 125 | | | | |
| | 07/12/86 | AQUA TECH | | | | <20 | | | <10 | <3 | <20 | 60 | | | | |
| | 12/15/86 | AQUA TECH | | | | <10 | | | <10 | <3 | <10 | 44 | | | | 1 |
| | 12/15/86 | AQUA TECH | | | | <10 | | | <10 | <3 | <10 | 32 | | | | 1 |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS

A : DISSOLVED METALS 0.45 MICRON FIELD FILTRATION PERFORMED

B : SAMPLE FILTERED IN LAB AFTER ACID PRESERVATION IN FIELD

< : LESS THAN

1 : PRIORITY POLLUTANT METALS SAMPLED SEE LABORATORY REPORT

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 2

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS



GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT 8001 006

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

9221800005 94

WPCINO22
02-Jun-87

| SAMPLE SOURCE | DATE | LAB | PH S.U. | SPECIFIC CONDUCT-ANCE UMHOS/CM | TEMP C | CHROMIUM UG/L | HEXA-VALENT CHROMIUM UG/L | COPPER UG/L | CYANIDE UG/L | LEAD UG/L | NICKEL UG/L | ZINC UG/L | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL): | | | | | | 50 | | | | 50 | | 5000 | | | | |
| CITY WELL 6 | 12/20/85 | AQUA TECH | | | | <10 | | | <10 | <1.5 | <10 | 65 | | | | |
| | 12/20/85 | HOWARD | | | | <5 | | | <5 | 21 | <5 | 125 | | | | |
| | 07/12/86 | AQUA TECH | | | | <20 | | | <10 | <3 | <20 | 60 | | | | |
| | 12/15/86 | AQUA TECH | | | | <10 | | | <10 | <3 | <10 | 40 | | | | 1 |
| CITY WELL 7 | 12/20/85 | AQUA TECH | | | | <10 | | | <10 | <1.5 | <10 | 85 | | | | |
| | 12/20/85 | HOWARD | | | | <5 | | | <5 | 8 | <5 | 190 | | | | |
| | 07/12/86 | AQUA TECH | | | | <20 | | | <10 | <3 | <20 | [illegible] | | | | |
| | 12/15/86 | AQUA TECH | | | | <10 | | | <10 | 8 | 12 | 80 | | | | 1 |
| FIELD BLANK | 06/22/86 | AQUA TECH | | | | <20 | <10 | | 20 | <3 | <20 | <10 | | | | |
| | 06/22/86 | AQUA TECH | | | | <20 | | | | <3 | <20 | 10 | | | | A |
| | 06/23/86 | AQUA TECH | | | | <20 | | | <10 | <3 | <20 | <10 | | | | |
| | 07/10/86 | AQUA TECH | | | | <20 | | | <10 | <3 | <20 | 10 | | | | |
| | 07/10/86 | AQUA TECH | | | | <20 | | | | 3 | <20 | 20 | | | | A |
| | 09/15/86 | AQUA TECH | | | | <20 | | | | <3 | <20 | 10 | | | | |
| | 09/15/86 | AQUA TECH | | | | <20 | | | | <3 | <20 | <10 | | | | |
| | 09/15/86 | AQUA TECH | | | | | | | <10 | | | | | | | |
| | 09/15/86 | AQUA TECH | | | | | | | <10 | | | | | | | |
| | 12/15/86 | AQUA TECH | | | | <10 | | | <10 | <3 | <10 | <4 | | | | 1 |
| | 01/16/87 | AQUA TECH | | | | <20 | | | 42 | | | | | | | |
| | 02/10/87 | AQUA TECH | | | | <10 | | | 10 | <1 | 32 | 16 | | | | |
| | 04/16/87 | AQUA TECH | | | | <10 | | 80 | <10 | <1 | <10 | 12 | | | | |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

A : DISSOLVED METALS 0.45 MICRON FIELD FILTRATION PERFORMED

B : SAMPLE FILTERED IN LAB AFTER ACID PRESERVATION IN FIELD

< : LESS THAN

1 : PRIORITY POLLUTANT METALS SAMPLED
SEE LABORATORY REPORT

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 2

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS



GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT NUMBER 006

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

9221800059 5

92210000596

MD:VOC1
02-Jun 87

| SAMPLE SOURCE | DATE | LAB | METHOD | 1,1-DI-CHLORO-ETHANE UG/L | 1,2-DI-CHLORO-ETHANE UG/L | 1,1,1-TRI-CHLORO-ETHANE UG/L | 1,1-DI-CHLORO-ETHENE UG/L | 1,2-DI-CHLORO-ETHENE * UG/L | TRI-CHLORO-ETHENE UG/L | TETRA-CHLORO-ETHENE UG/L | VINYL CHLORIDE UG/L | SUM UG/L | ACETONE UG/L | METHYL-ETHYL-KETONE UG/L | CHLORO-FORM *** UG/L | METHY-LENE*** CHLORIDE UG/L | TETRA-HYDRO-FURAN** UG/L | PCB UG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL): | | | | | 5 | 200 | 7 | | 5 | | 1 | | | | | | | |
| PRAC QUANTITATION LEVEL (PQL): | | | | | 5 | 5 | 5 | | 5 | | 1 | | | | | | | |
| 1-24 | 11-18-85 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | ND |
| | 12-20-85 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |
| | 12-20-85 | HOWARD | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |
| | 09/14/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | 1.4 | ND | ND | 1 | | | ND | ND | | |
| 1-105 | 11-18-85 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |
| | 12-20-85 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |
| | 12-20-85 | HOWARD | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |
| 2-25 | 11-18-85 | AQUA TECH | 601 | ND | ND | ND | ND | 70.5 | 593 | ND | | 664 | | | | | ND | ND |
| | 12-20-85 | AQUA TECH | 601 | ND | ND | ND | ND | 64.9 | 581 | ND | | 646 | | | ND | | ND | |
| | 12-20-85 | HOWARD | 601 | ND | ND | ND | ND | 45.9 | 414 | ND | | 460 | | | 5 | | ND | |
| | 06/22/86 | AQUA TECH | 601 | ND | ND | ND | ND | 20.7 | 180 | ND | | 201 | ND | ND | | | | |
| | 02/10/87 | AQUA TECH | 624 | ND | ND | ND | ND | 73 | 690 | ND | ND | 763 | | | ND | ND | | |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

* : 1,2-DICHLOROETHENE INCLUDES TRANS- AND CIS-1,2 DICHLOROETHENE

** : FROM PVC CEMENT

*** : FROM LAB

ND : NOT DETECTED

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 1

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 1 OF 17

GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT # WOIL 006

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

HDCVOC2
02-Jun-87

| SAMPLE SOURCE | DATE | LAB | METHOD | 1,1 DI-CHLORO-ETHANE UG/L | 1,2-DI-CHLORO-ETHANE UG/L | 1,1,1-TRI-CHLORO-ETHANE UG/L | 1,1-DI-CHLORO-ETHENE UG/L | 1,2-DI-CHLORO-ETHENE * UG/L | TRI-CHLORO-ETHENE UG/L | TETRA-CHLORO-ETHENE UG/L | VINYL CHLORIDE UG/L | SUM UG/L | ACETONE UG/L | METHYL-ETHYL-KETONE UG/L | CHLORO-FORM *** UG/L | METHY-LENE*** CHLORIDE UG/L | TETRA-HYDRO-FURAN** UG/L | PCB UG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL) | | | | | 5 | 200 | 7 | | 5 | 1 | | | | | | | | |
| PRAC QUANTITATION LEVEL (PQL) | | | | | 5 | 5 | 5 | | 5 | 1 | | | | | | | | |
| 3-25 | 11-18-85 | AQUA TECH | 601 | ND | ND | ND | ND | 8 | 28.3 | ND | | 36 | | | | | ND | |
| | 12-20-85 | AQUA TECH | 601 | ND | ND | ND | ND | 22.3 | 63.6 | ND | | 86 | | | ND | | ND | |
| | 12-20-85 | AQUA TECH | 601 | ND | ND | ND | ND | 17.6 | 62.8 | ND | | 80 | | | ND | | ND | |
| | 12-20-85 | HOWARD | 601 | ND | ND | ND | ND | 1.[illegible] | 1.2 | ND | | 2 | | | 0.5 | | ND | |
| | 12-20-85 | HOWARD | 601 | ND | ND | ND | ND | 23.4 | 60.2 | ND | | 84 | | | ND | | ND | |
| | 06/22/86 | AQUA TECH | 601 | ND | ND | ND | ND | 40.2 | 123 | ND | | 163 | ND | ND | | | | |
| | 02/10/87 | AQUA TECH | 624 | ND | ND | ND | ND | 89 | 178 | ND | ND | 267 | | | ND | ND | | |
| | 04/16/87 | AQUA TECH | 624 | ND | ND | ND | ND | 48 | 140 | ND | ND | 188 | | | ND | ND | | |
| 4-24 | 11-18-85 | AQUA TECH | 601 | ND | ND | ND | ND | 112 | 23 | ND | | 135 | | | | | 5500 | |
| | 12-20-85 | AQUA TECH | 601 | ND | ND | ND | ND | 143 | 22.8 | ND | | 166 | | | | ND | ND | |
| | 12-20-85 | HOWARD | 601 | ND | ND | ND | ND | 136.5 | 19.2 | ND | | 156 | | | | 19.4 | 43.6 | |
| | 06/22/86 | AQUA TECH | 601 | ND | ND | ND | ND | 114 | 33.9 | ND | | 149 | ND | ND | | | | |
| | 02/10/87 | AQUA TECH | 624 | ND | ND | ND | ND | 105.3 | 115 | ND | ND | 220 | | | ND | ND | | |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

* : 1,2-DICHLOROETHENE INCLUDES TRANS- AND CIS-1,2 DICHLOROETHENE

** : FROM PVC CEMENT

*** : FROM LAB

ND : NOT DETECTED

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 1

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 2 OF 17

GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT 8 WOIL 006

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

9 2 2 1 8 0 0 0 5 9 7

WDCVOC3
07-Jun-87

| SAMPLE SOURCE | DATE | LAB | METHOD | 1,1-DI-CHLORO-ETHANE UG/L | 1,2-DI-CHLORO-ETHANE UG/L | 1,1,1-TRI-CHLORO-ETHANE UG/L | 1,1-DI-CHLORO-ETHENE UG/L | 1,2-DI-CHLORO-ETHENE * UG/L | TRI-CHLORO-ETHENE UG/L | TETRA-CHLORO-ETHENE UG/L | VINYL CHLORIDE UG/L | SUM UG/L | ACETONE UG/L | METHYL-ETHYL-KETONE UG/L | CHLORO-FORM *** UG/L | METHY-LENE CHLORIDE UG/L | TETRA-HYDRO FURAN** UG/L | PCB UG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL | | | | | 5 | 200 | 7 | | 5 | | 1 | | | | | | | |
| PRAC QUANTITATION LEVEL: | | | | | 5 | 5 | 5 | | 5 | | 1 | | | | | | | |
| S-25 | 11-18-85 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | 2900 | |
| | 12-20-85 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |
| | 12-20-85 | HOWARD | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |
| 7-15 | 11-18-85 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | ND |
| | 12-20-85 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |
| | 12-20-85 | HOWARD | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |
| 11-20 | 11-18-85 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | ND |
| | 12-20-85 | AQUA TECH | 601 | ND | ND | 24.8 | ND | ND | 7.8 | 10.5 | | 43 | | | | | ND | |
| | 12-20-85 | HOWARD | 601 | LD | ND | ND | ND | 4.6 | 5.4 | ND | | 10 | | | | | ND | |
| 12-25 | 11-18-85 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |
| | 12-20-85 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |
| | 12-20-85 | AQUA TECH | 601 | ND | ND | ND | ND | 1.6 | 5 | ND | | 7 | | | | | ND | |
| 15-25 | 11-18-85 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | ND |
| | 12-20-85 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |
| | 12-20-85 | HOWARD | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |

NOTES

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

* : 1,2-DICHLOROETHENE INCLUDES TRANS- AND CIS-1,2 DICHLOROETHENE

** : FROM PVC CEMENT

*** : FROM LAB

ND : NOT DETECTED

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 1

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 3 OF 17

GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT # WOIL 006

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

9221800059 8

WDCING:
02-Jun-87

| SAMPLE SOURCE | DATE | LAB | PH S.U. | SPECIFIC CONDUCTANCE UMHOS/CM | TEMP C | CHROMIUM UG/L | HEXA-VALENT CHROMIUM UG/L | COPPER UG/L | CYANIDE UG/L | LEAD UG/L | NICKEL UG/L | ZINC UG/L | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL) | | | | | | 50 | | | | 50 | | 5000 | | | | |
| S-25(Cont'd) | 07/12/86 | AQUA TECH | | | | 30 | | | | 29 | 20 | 200 | | | | |
| 7-15 | 10/23/85 | FIELD T | 7.09 | 1640 | | | | | | | | | | | | |
| | 10/24/85 | FIELD T | 7.14 | 1520 | | | | | | | | | | | | |
| | 11/18/85 | AQUA TECH | | | | 40 | | | <10 | <30 | 30 | 110 | | | | |
| | 12/20/85 | AQUA TECH | | | | <10 | | | | 8 | 10 | 95 | | | | |
| | 12/20/85 | HOWARD | | | | 18 | | | | 21 | 25 | 89 | | | | |
| | 06/22/86 | AQUA.TECH | | | | <20 | | | | 12 | | 150 | | | | |
| | 06/22/86 | AQUA TECH | | | | <20 | | | | <3 | | 30 | | | | A |
| | 06/22/86 | FIELD T | 6.70 | 1102 | 14.9 | | | | | | | | | | | |
| 11-28 | 10/23/85 | FIELD T | 7.13 | 2250 | | | | | | | | | | | | |
| | 11/18/85 | AQUA TECH | | | | 20 | | | <10 | <30 | 20 | 40 | | | | |
| | 12/20/85 | AQUA TECH | | | | 35 | | | 90 | 20 | 60 | 230 | | | | |
| | 12/20/85 | HOWARD | | | | 85 | | | 107 | 7 | 109 | 316 | | | | |
| | 12/24/85 | FIELD T | 7.12 | 2600 | | | | | | | | | | | | |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

A : DISSOLVED METALS 0.45 MICRON FIELD FILTRATION PERFORMED

B : SAMPLE FILTERED IN LAB AFTER ACID PRESERVATION IN FIELD

< : LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

TABLE 2

GROUNDWATER QUALITY ANALYSIS
INORGANIC COMPOUNDS



ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT B WDIL 002

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

9221 0009

HDCVOC4
02-Jun-87

| SAMPLE SOURCE | DATE | LAB | METHOD | 1,1-DI-CHLORO-ETHANE | 1,2-DI-CHLORO-ETHANE | 1,1,1-TRI-CHLORO-ETHANE | 1,1-DI-CHLORO-ETHENE | 1,2-DI-CHLORO-ETHENE * | TRI-CHLORO-ETHENE | TETRA-CHLORO-ETHENE | VINYL CHLORIDE | SUM | ACETONE | METHYL-ETHYL-KETONE | CHLORO-FORM *** | METHY-LENE*** CHLORIDE | TETRA-HYDRO-FURAN** | PCB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| MAXIMUM CONTAMINANT LEVEL | | | | | 5 | 200 | 7 | | 5 | | 1 | | | | | | | |
| PRAC QUANTITATION LEVEL | | | | | 5 | 5 | 5 | | 5 | | 1 | | | | | | | |
| 16-54 | 11-18-85 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |
| | 12-20-85 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |
| | 12-20-85 | HOWARD | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |
| 16-151 | 11-18-85 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |
| | 12-20-85 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |
| | 12-20-85 | HOWARD | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |
| 17-25 | 11-18-85 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | 590 | ND |
| | 12-20-85 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |
| | 12-20-85 | HOWARD | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |
| 17-83 | 11-18-85 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |
| | 12-20-85 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |
| | 12-20-85 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |
| 17-135 | 11-18-85 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |
| | 12-20-85 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |
| | 12-20-85 | HOWARD | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | ND | |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS

* : 1,2-DICHLOROETHENE INCLUDES TRANS- AND CIS-1,2 DICHLOROETHENE

** : FROM PVC CEMENT

*** : FROM LAB

ND : NOT DETECTED

< : LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 1

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 4 OF 17

GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT NUMBER 006

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

1916055
05-Jun-88

| SAMPLE SOURCE | DATE | SAMPLE NO. | LAB | METHOD | 1,1-DI-CHLORO-ETHANE | 1,2-DI-CHLORO-ETHANE | 1,1,1-TRI-CHLORO-ETHANE | 1,1-DI-CHLORO-ETHENE | TRI-CHLORO-ETHENE | TRANS-1,2-DICHLORO-ETHENE | TETRA-CHLORO-ETHENE | VINYL CHLORIDE | CIS-1,2-DICHLORO-ETHENE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL): | | | | | | 5 | 200 | 7 | 5 | | | 2 | |
| | | | | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| 19-17 | 06/23/86 | 211 | AQUA | 601 | ND | ND | ND | ND | 0.9 | ND * | 1.9 | ND | |
| | 06/23/86 | 216 | AQUA | 601 | ND | ND | ND | ND | 0.7 | ND * | 1.9 | ND | |
| | 06/23/86 | 105 | HOWARD | 601 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 02/19/88 | 31 | AQUA | 624 | ND | ND | ND | ND | ND | ND | ND | ND | ND |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED ABOVE METHOD DETECTION LIMITS

< = LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

* INCLUDES CIS AND TRANS ISOMERS

METHOD 624 VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LABORATORY REPORT.

TABLE 4

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
SEMIANNUAL SAMPLING
MONITOR WELLS



GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK DIE CAST
WOODSTOCK, ILLINOIS
PROJECT #WDIL 007

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

9221 0000 01

19SSC.2
05 JUL 88

| SAMPLE SOURCE | DATE | SAMPLE NO. | LAB | METHOD | 1,1 DI CHLORO ETHANE | 1,2 DI CHLORO ETHANE | 1,1,1 TRI CHLORO ETHANE | 1,1 DI CHLORO ETHENE | TRI CHLORO ETHENE | TRANS 1,2 DICHLORO ETHENE | TETRA CHLORO ETHENE | VINYL CHLORIDE | CIS-1,2 DICHLORO ETHENE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL) | | | | | | 5 | 200 | 7 | 5 | | | 2 | |
| | | | | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| 19-35 | 06/23/86 | 206 | AQUA | 601 | ND | ND | ND | ND | 0.7 | 3.0 * | ND | ND | |
| | 02/19/88 | 32 | AQUA | 624 | ND | ND | ND | ND | ND | ND | ND | ND | 24 |
| | 02/19/88 | 33 | AQUA | 624 | ND | ND | ND | ND | ND | ND | ND | ND | 24 |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED ABOVE METHOD DETECTION LIMITS

< = LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

* INCLUDES CIS AND TRANS ISOMERS

METHOD 624 VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LABORATORY REPORT.

TABLE 4

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
SEMIANNUAL SAMPLING
MONITOR WELLS



GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK DIE CAST
WOODSTOCK, ILLINOIS
PROJECT #UDIL 007

T A GLEASON ASSOCIATES

Environmental and
Geotechnical Services

9221 00002

-DCVDCS
02-Jun-87

| SAMPLE SOURCE | DATE | LAB | METHOD | 1,1-DI-CHLORO-ETHANE | 1,2-DI-CHLORO-ETHANE | 1,1,1-TRI-CHLORO-ETHANE | 1,1-DI-CHLORO-ETHENE | 1,2-DI-CHLORO-ETHENE * | TRI-CHLORO-ETHENE | TETRA-CHLORO-ETHENE | VINYL CHLORIDE | SUM | ACETONE | METHYL-ETHYL-KETONE | CHLORO-FORM *** | METHY-LENE*** CHLORIDE | TETRA-HYDRO-FURAN** | PTB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| MAXIMUM CONTAMINANT LEVEL | | | | | 5 | 200 | 7 | | 5 | | 1 | | | | | | | |
| PRAC QUANTITATION LEVEL | | | | | 5 | 5 | 5 | | 5 | | 1 | | | | | | | |
| 17-170 | 07/10/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | | | | |
| 18-15 | 11/18/85 | AQUA TECH | 601 | ND | ND | ND | ND | 493 | 2200 | ND | | 2693 | | | | | ND | ND |
| | 12/20/85 | AQUA TECH | 601 | ND | ND | ND | ND | 591 | 1470 | ND | | 2061 | | | | | ND | |
| | 12/20/85 | HOWARD | 601 | ND | ND | ND | 4.4 | 613.4 | 1000 | ND | | 1618 | | | 4 | | ND | |
| | 06/22/86 | AQUA TECH | 601 | ND | ND | ND | 4.2 | 553 | 1770 | ND | | 2327 | ND | ND | | | | |
| | 02/10/87 | AQUA TECH | 624 | ND | ND | ND | ND | 527 | 1720 | ND | ND | 2247 | | | ND | ND | | |
| | 04/16/87 | AQUA TECH | 624 | ND | ND | ND | 19 | 485 | 2000 | ND | 220 | 2724 | | | ND | ND | | |
| 18-35 | 11/18/85 | AQUA TECH | 601 | ND | ND | ND | ND | 190 | ND | ND | | 190 | | | | | ND | |
| | 12/20/85 | AQUA TECH | 601 | ND | ND | ND | ND | 568 | 20.5 | ND | | 589 | | | | | ND | |
| | 12/20/85 | HOWARD | 601 | ND | ND | ND | ND | 460 | 11.1 | ND | | 471 | | | | | ND | |
| | 06/22/86 | AQUA TECH | 601 | 2.4 | ND | ND | ND | 185 | 4.3 | ND | | 192 | 123 | ND | | | | |
| | 02/10/87 | AQUA TECH | 624 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | ND | ND | | |
| | 04/16/87 | AQUA TECH | 624 | ND | ND | ND | ND | 60 | ND | ND | 60 | 120 | | | ND | ND | | |
| 19-16 | 06/23/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | 0.9 | 1.9 | | 3 | ND | ND | | | | |
| | 06/23/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | 0.7 | 1.9 | | 3 | ND | ND | | | | |
| | 06/23/86 | HOWARD | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | | | | |
| 19-35 | 06/23/86 | AQUA TECH | 601 | ND | ND | ND | ND | 3.0 | 0.7 | ND | | 4 | ND | ND | | | | |

NOTES

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

* : 1,2-DICHLOROETHENE INCLUDES TRANS- AND CIS-1,2 DICHLOROETHENE

** : FROM PVC CEMENT

*** : FROM LAB

ND : NOT DETECTED

< : LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 1

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 5 OF 17

GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT # WBIL 006

T A GLERSON ASSOCIATES

Environmental and Geotechnical Services

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2015OSS
05-Jun-88

| SAMPLE SOURCE | DATE | SAMPLE NO. | LAB | METHOD | 1,1-DI-CHLORO-ETHANE | 1,2 DI CHLORO-ETHANE | 1,1,1 TRI CHLORO-ETHANE | 1,1 DI CHLORO-ETHENE | TRI CHLORO-ETHENE | TRANS 1,2 DICHLORO-ETHENE | TETRA CHLORO-ETHENE | VINYL CHLORIDE | CIS-1,2 DICHLORO ETHENE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL): | | | | | | 5 | 200 | 7 | 5 | | | 2 | |
| | | | | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| 20-15 | 06/23/86 | 226 | AQUA | 601 | ND | ND | ND | ND | 8.7 | ND * | ND | ND | |
| | 06/23/86 | 231 | AQUA | 601 | ND | ND | ND | ND | 7.2 | ND * | ND | ND | |
| | 06/23/86 | 110 | HOWARD | 601 | ND | ND | ND | ND | 10.2 | ND | ND | ND | ND |
| | 02/19/88 | 34 | AQUA | 624 | ND | ND | ND | ND | 5.1 | ND | ND | ND | ND |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED ABOVE METHOD DETECTION LIMITS

< = LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

* INCLUDES CIS AND TRANS ISOMERS

METHOD 624 VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LABORATORY REPORT.

TABLE 4

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
SEMIANNUAL SAMPLING
MONITOR WELLS



GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK DIE CAST
WOODSTOCK, ILLINOIS
PROJECT #ADIL 007

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

9-2-2-1-3-0-0-0-0-4

2024055
05-Jun-88

| SAMPLE SOURCE | DATE | SAMPLE NO. | LAB | METHOD | 1,1-DI-CHLORO-ETHANE | 1,2-DI-CHLORO-ETHANE | 1,1,1-TRI-CHLORO-ETHANE | 1,1-DI-CHLORO-ETHENE | TRI-CHLORO-ETHENE | 1,2-TRANS-DICHLORO-ETHENE | TETRA-CHLORO-ETHENE | VINYL CHLORIDE | CIS-1,2-DICHLORO-ETHENE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL): | | | | | | 5 | 200 | 7 | 5 | | | 2 | |
| | | | | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| 20-24 | 06/23/86 | 221 | AQUA | 601 | ND | ND | ND | ND | ND | ND * | ND | ND | |
| | 02/19/88 | 35 | AQUA | 624 | ND | ND | ND | ND | ND | ND | ND | ND | ND |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED ABOVE METHOD DETECTION LIMITS

< = LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

* INCLUDES CIS AND TRANS ISOMERS

METHOD 624 VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LABORATORY REPORT.

TABLE 4

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
SEMIANNUAL
MONITOR WELLS



GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK DIE CAST
WOODSTOCK, ILLINOIS
PROJECT #401L 007

T A GLEASON ASSOCIATES

Environmental and
Geotechnical Services

92210006 05

VOCVOCs

| SAMPLE SOURCE | DATE | LAB | METHOD | 1,1-DI-CHLORO-ETHANE | 1,2-DI-CHLORO-ETHANE | 1,1,1 TRI-CHLORO-ETHANE | 1,1 DI CHLORO-ETHENE | 1,2 DI-CHLORO-ETHENE * | TRI-CHLORO-ETHENE | TETRA-CHLORO-ETHENE | VINYL CHLORIDE | SUM | ACETONE | METHYL ETHYL KETONE | CHLORO-FORM *** | METHY-LENE*** CHLORIDE | TETRA-HYDRO-FURAN** | PCB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| MAXIMUM CONTAMINANT LEVEL | | | | | 5 | 200 | 7 | | 5 | | 1 | | | | | | | |
| PRAC QUANTITATION LEVEL: | | | | | 5 | 5 | 5 | | 5 | | 1 | | | | | | | |
| 20-15 | 06/23/86 | AQUA TECH | 601 | ND | ND | ND | ND | 0.9 | 0.7 | ND | | 10 | ND | ND | | | | |
| | 06/23/86 | AQUA TECH | 601 | ND | ND | ND | ND | 0.9 | 7.2 | ND | | 8 | ND | ND | | | | |
| | 06/23/86 | HOWARD | 601 | ND | ND | ND | ND | ND | 10.2 | ND | | 10 | ND | ND | | | | |
| 20-24 | 06/23/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | | | | |
| 21-12 | 06/10/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | | |
| | 09/14/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | ND | ND | | |
| 21-23 | 06/09/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | | | | |
| | 09/14/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | ND | ND | | |
| 22-12 | 06/09/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | | |
| | 06/09/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | | |
| | 06/09/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | | |
| 22-23 | 06/09/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | | |
| | 06/09/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | | |
| | 06/09/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | | | | |
| | 06/22/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | | | | |
| | 09/14/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | ND | ND | | |

NOTES

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

* : 1,2-DICHLOROETHENE INCLUDES TRANS- AND CIS-1,2 DICHLOROETHENE

** : FROM PVC CEMENT

*** : FROM LAB

ND : NOT DETECTED

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 1

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 6 OF 17

GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT NUMBER 006

T A GLERSON ASSOCIATES

Environmental and Geotechnical Services

9221800000

WDCVOC7
02-Jun-87

| SAMPLE SOURCE | DATE | LAB | METHOD | 1,1-DI-CHLORO ETHANE | 1,2-DI-CHLORO-ETHANE | 1,1,1-TRI-CHLORO-ETHANE | 1,1-DI-CHLORO-ETHENE | 1,2-DI-CHLORO-ETHENE* | TRI-CHLORO-ETHENE | TETRA-CHLORO-ETHENE | VINYL CHLORIDE | SUM | ACETONE | METHYL-ETHYL-KETONE | CHLORO-FORM *** | METHY-LENE*** CHLORIDE | TETRA-HYDRO-FURAN*** | PCB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| MAXIMUM CONTAMINANT LEVEL | | | | | 5 | 200 | 7 | | 5 | | 1 | | | | | | | |
| PRAC QUANTITATION LEVEL | | | | | 5 | 5 | 5 | | 5 | | 1 | | | | | | | |
| 22-33 | 06/09/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | | | | | | |
| | 06/22/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | | | | |
| 23-12 | 06/09/86 | AQUA TECH | 601 | 3.4 | ND | ND | ND | ND | ND | 1.6 | | 5.0 | | | | | | |
| 23-22 | 06/09/86 | AQUA TECH | 601 | 3.8 | ND | ND | ND | ND | ND | ND | | 3.8 | | | | | | |
| | 06/22/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | | | | |
| | 07/12/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | | | | |
| | 09/14/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | ND | ND | | |
| 24-12 | 06/10/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | | | | |
| 24-23 | 07/10/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | | | | |
| 24-51 | 07/10/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | | | | |

NOTES

THE INTERPRETATIONS OF THESE DATA ARE LIMITED TO DUE WRITTEN REPORTS

* : 1,2-DICHLOROETHENE INCLUDES TRANS- AND CIS-1,2 DICHLOROETHENE

** : FROM PVC CEMENT

*** : FROM LAB

ND : NOT DETECTED

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE I

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 7 OF 17

GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILL
PROJECT NUMBER 006

T A GLEASON ASSOCIATES

ENVIRONMENTAL AND GEOTECHNICAL SERVICES

9221 0000 07

| SAMPLE SOURCE | DATE | LAB | METHOD | 1,1-DI-CHLORO-ETHANE UG/L | 1,2-DI-CHLORO-ETHANE UG/L | 1,1,1-TRI-CHLORO-ETHANE UG/L | 1,1-DI CHLORO ETHENE UG/L | 1,2-DI CHLORO-ETHENE* UG/L | TRI-CHLORO-ETHENE UG/L | TETRA-CHLORO-ETHENE UG/L | VINYL CHLORIDE UG/L | SUM UG/L | ACETONE UG/L | METHYL-ETHYL-KETONE UG/L | CHLORO-FORM ** UG/L | METHY-LENE*** CHLORIDE UG/L | TETRA-HYDRO-FURAN*** UG/L | PCB UG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL | | | | | 5 | 200 | 7 | | 5 | | 1 | | | | | | | |
| PRAC QUANTITATION LEVEL | | | | | 5 | 5 | 5 | | 5 | | 1 | | | | | | | |
| 28-12 | 07/12/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | | | | |
| 28-23 | 07/12/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | | | | |
| 27-12 | 06/27/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | | | | |
| | 09/14/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | 0.9 | ND | ND | 1 | | | ND | ND | | |
| 27-23 | 09/15/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | ND | ND | | |
| 30-141 | 07/10/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | | | | |

NOTES

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS

* : 1,2-DICHLOROETHENE INCLUDES TRANS- AND CIS-1,2 DICHLOROETHENE

** : FROM PVC CEMENT

*** : FROM LAB

ND : NOT DETECTED

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 1

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 8 OF 17

GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILL
PROJECT BUBIL 006

T A GLEASON ASSOCIATES

ENVIRONMENTAL AND GEOTECHNICAL SERVICES

WDCVOCS
02 Jun-87

| SAMPLE SOURCE | DATE | LAB | METHOD | 1,1-DI-CHLORO-ETHANE UG/L | 1,2-DI-CHLORO-ETHANE UG/L | 1,1,1-TRI-CHLORO-ETHANE UG/L | 1,1-DI-CHLORO-ETHENE UG/L | 1,2-DI-CHLORO-ETHENE* UG/L | TRI-CHLORO-ETHENE UG/L | TETRA-CHLORO-ETHENE UG/L | VINYL CHLORIDE UG/L | SUM UG/L | ACETONE UG/L | METHYL-ETHYL-KETONE UG/L | CHLORO-FORM *** UG/L | METHY-LENE*** CHLORIDE UG/L | TETRA-HYDRO-FURAN** UG/L | PCB UG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL | | | | | 5 | 200 | 7 | | 5 | | 1 | | | | | | | |
| PRAC QUANTITATION LEVEL | | | | | 5 | 5 | 5 | | 5 | | 1 | | | | | | | |
| 40-20 | 09/15/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | ND | ND | | |
| 40-55 | 09/15/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | ND | ND | | |
| | 09/15/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | ND | ND | | |
| | 09/14/86 | HOWARD | 601 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | ND | ND | | |
| 41-30 | 09/14/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | ND | ND | | |
| 42-58 | 09/15/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | ND | ND | | |
| 43-30 | 09/14/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | ND | ND | | |

NOTES

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS

* : 1,2-DICHLOROETHENE INCLUDES TRANS- AND CIS-1,2 DICHLOROETHENE

** : FROM PVC CEMENT

*** : FROM LAB

ND : NOT DETECTED

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE I

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 9 OF 17

GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT NUMBER 006

T A GLEASON ASSOCIATES

ENVIRONMENTAL AND
GEOTECHNICAL SERVICES

NDCVSC10
02-Jun-87

| SAMPLE SOURCE | DATE | LAB | METHOD | 1,1-DI-CHLORO-ETHANE UG/L | 1,2-DI-CHLORO-ETHANE UG/L | 1,1,1-TRI-CHLORO-ETHANE UG/L | 1,1-DI-CHLORO-ETHENE UG/L | 1,2-DI-CHLORO-ETHENE UG/L | TRI-CHLORO-ETHENE UG/L | TETRA-CHLORO-ETHENE UG/L | VINYL CHLORIDE UG/L | SUM UG/L | ALLTONE UG/L | METHYL-ETHYL-KETONE UG/L | CHLORO-FORM *** UG/L | METHY-LENE*** CHLORIDE UG/L | TETRA-HYDRO-FURAN** UG/L | PCB UG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL | | | | | 5 | 200 | 7 | | 5 | | 2 | | | | | | | |
| PRAC QUANTITATION LEVEL | | | | | 5 | 5 | 5 | | 5 | | 1 | | | | | | | |
| 43-55 | 09/14/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | ND | ND | | |
| 44-35 | 09/14/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | ND | ND | | |
| 44-55 | 09/14/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | ND | ND | | |
| | 09/14/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | ND | ND | | |
| | 09/14/86 | HOWARD | 601 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | ND | ND | | |
| 45-29 | 09/15/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | ND | ND | | |
| 45-50 | 09/15/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | ND | ND | | |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS

* : 1,2-DICHLOROETHENE INCLUDES TRANS- AND CIS-1,2 DICHLOROETHENE

** : FROM PVC CEMENT

*** : FROM LAB

ND : NOT DETECTED

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 1

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 10 OF 17

GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT NUMBER 006

T A GLEASON ASSOCIATES

ENVIRONMENTAL AND GEOTECHNICAL SERVICES

9221800011

5020055
05-Jun-88

| SAMPLE SOURCE | DATE | SAMPLE NO. | LAB | METHOD | 1,1-DI-CHLORO-ETHANE | 1,2-DI-CHLORO-ETHANE | 1,1,1-TRI-CHLORO-ETHANE | 1,1-DI-CHLORO-ETHENE | TRI-CHLORO ETHENE | TRANS-1,2-DICHLORO-ETHENE | TETRA-CHLORO-ETHENE | VINYL CHLORIDE | CIS-1,2-DICHLORO-ETHENE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL): | | | | | | 5 | 200 | 7 | 5 | | | 2 | |
| | | | | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| 50-20 | 01/15/87 | 3 | AQUA | 624 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 01/15/87 | 4 | AQUA | 624 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 02/10/87 | 13 | AQUA | 624 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 02/10/87 | 14 | AQUA | 624 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 02/19/88 | 29 | AQUA | 624 | ND | ND | ND | ND | ND | ND | ND | ND | ND |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED ABOVE METHOD DETECTION LIMITS

< = LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

* INCLUDES CIS AND TRANS ISOMERS

METHOD 624 VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LABORATORY REPORT.

TABLE 4

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
SEMIANNUAL SAMPLING
MONITOR WELLS



GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK DIE CAST
WOODSTOCK, ILLINOIS
PROJECT #WOIL C07

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

9221300061

5035GSS
05-Jun-88

| SAMPLE SOURCE | DATE | SAMPLE NO. | LAB | METHOD | 1,1-DI-CHLORO-ETHANE UG/L | 1,2-DI-CHLORO-ETHANE UG/L | 1,1,1-TRI-CHLORO-ETHANE UG/L | 1,1-DI-CHLORO-ETHENE UG/L | TRI-CHLORO-ETHENE UG/L | TRANS-1,2-DICHLORO-ETHENE UG/L | TETRA-CHLORO-ETHENE UG/L | VINYL CHLORIDE UG/L | CIS-1,2-DICHLORO-ETHENE UG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL): | | | | | | 5 | 200 | 7 | 5 | | | 2 | |
| 50-35 | 01/15/87 | 2 | AQUA | 624 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 02/10/87 | 11 | AQUA | 624 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 02/19/88 | 30 | AQUA | 624 | ND | ND | ND | ND | ND | ND | ND | ND | ND |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS

ND = NOT DETECTED ABOVE METHOD DETECTION LIMITS

< = LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

* INCLUDES CIS AND TRANS ISOMERS

METHOD 624 VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LABORATORY REPORT.

TABLE 4

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
SEMIANNUAL SAMPLING
MONITOR WELLS

PAGE 6 OF 8

GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK DIE CAST
WOODSTOCK, ILLINOIS
PROJECT #UDIL 007

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S120055
05-Jun-88

| SAMPLE SOURCE | DATE | SAMPLE NO. | LAB | METHOD | 1,1-DI-CHLORO-ETHANE | 1,2-DI-CHLORO-ETHANE | 1,1,1-TRI-CHLORO-ETHANE | 1,1-DI-CHLORO-ETHENE | TRI-CHLORO-ETHENE | TRANS-1,2-DICHLORO-ETHENE | TETRA-CHLORO-ETHENE | VINYL CHLORIDE | CIS-1,2-DICHLORO-ETHENE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL (MCL): | | | | | | 5 | 200 | 7 | 5 | | | 2 | |
| | | | | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| S1-20 | 01/15/87 | 1 | AQUA | 624 | ND | ND | ND | ND | 50.1 | ND | ND | ND | ND |
| | 02/10/87 | 10 | AQUA | 624 | ND | ND | ND | ND | 13.9 | ND | 8.1 | ND | ND |
| | 02/19/88 | 28 | AQUA | 624 | ND | ND | ND | ND | 11 | ND | 16 | ND | 12 |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED ABOVE METHOD DETECTION LIMITS

< = LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

* INCLUDES CIS AND TRANS ISOMERS

METHOD 624 VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LABORATORY REPORT.

TABLE 4

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
SEMIANNUAL
MONITOR WELLS



GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK DIE CAST
WOODSTOCK, ILLINOIS
PROJECT #ADIL 007

T. A. GLEASON ASSOCIATES

Environmental and Geotechnical Services

9221500013

| SAMPLE LOCATION | DATE | LAB | METHOD | 1,1-DI-CHLORO-ETHANE UG/L | 1,2-DI-CHLORO-ETHANE UG/L | 1,1,1-TRI-CHLORO-ETHANE UG/L | 1,1-DI-CHLORO-ETHENE UG/L | 1,2-DI-CHLORO-ETHENE* UG/L | TRI-CHLORO-ETHENE UG/L | TETRA-CHLORO-ETHENE UG/L | VINYL CHLORIDE UG/L | SUM UG/L | ACETONE UG/L | METHYL ETHYL KETONE UG/L | CHLORO FORM *** UG/L | METHY LENE*** CHLORIDE UG/L | TETRA HYDRO-FURAN** UG/L | PCB UG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL | | | | | 5 | 200 | 7 | | 5 | | 1 | | | | | | | |
| PRAC QUANTITATION LEVEL | | | | | 5 | 5 | 5 | | 5 | | 1 | | | | | | | |
| 50-20 | 01/15/87 | AQUA TECH | 624 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | 01/15/87 | AQUA TECH | 624 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | 02/10/87 | AQUA TECH | 624 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | 02/10/87 | AQUA TECH | 624 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| 50-35 | 01/15/87 | AQUA TECH | 624 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | 02/10/87 | AQUA TECH | 624 | ND | ND | 5.0 | ND | ND | ND | ND | ND | 5 | ND | ND | ND | ND | | |
| 51-20 | 01/15/87 | AQUA TECH | 624 | ND | ND | ND | ND | ND | 50.1 | ND | ND | 50 | ND | ND | ND | ND | | |
| | 02/10/87 | AQUA TECH | 624 | ND | ND | ND | ND | ND | 13.9 | 8.1 | ND | 22 | ND | ND | ND | ND | | |
| 52-20 | 01/16/87 | AQUA TECH | 624 | 31.6 | ND | ND | ND | 1268.3 | 659 | ND | ND | 1369 | ND | ND | ND | ND | | |
| | 02/10/87 | AQUA TECH | 624 | ND | ND | ND | ND | 2150 | 241 | ND | ND | 2391 | ND | ND | ND | ND | | |
| | 02/10/87 | AQUA TECH | 624 | ND | ND | ND | 17.3 | 2473 | 296 | ND | ND | 2786 | ND | ND | ND | ND | | |
| 52-20(SS) | 01/17/87 | AQUA TECH | 624 | ND | ND | ND | ND | 442.3 | 71.8 | ND | ND | 514 | ND | ND | ND | ND | | |
| | 02/10/87 | AQUA TECH | 624 | ND | ND | ND | ND | 1844.3 | 26.8 | ND | ND | 1871 | ND | ND | ND | ND | | |
| 53-20 | 01/16/87 | AQUA TECH | 624 | ND | ND | ND | 24.5 | 2646 | 3350 | ND | ND | 6021 | ND | ND | ND | ND | | |
| | 02/10/87 | AQUA TECH | 624 | ND | ND | ND | 62.5 | 7715 | 5170 | ND | ND | 12947 | ND | ND | ND | ND | | |
| 53-20(SS) | 01/16/87 | AQUA TECH | 624 | 49.1 | ND | ND | ND | 1835 | 2230 | ND | ND | 4114 | ND | ND | ND | ND | | |
| | 02/10/87 | AQUA TECH | 624 | ND | ND | ND | ND | 3635 | 2130 | ND | ND | 5765 | ND | ND | ND | ND | | |

NOTES

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

* : 1,2-DICHLOROETHENE INCLUDES TRANS- AND CIS-1,2 DICHLOROETHENE

** : FROM PVC CEMENT

*** : FROM LAB

ND : NOT DETECTED

SS : STAINLESS STEEL CONSTRUCTION

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 1

GROUNDWATER QUALITY ANALYSIS
ORGANIC CHEMICALS
PAGE 11 OF 17

GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK ILLINOIS
PROJECT WOIL 006

T A GLEASON ASSOCIATES

ENVIRONMENTAL AND
GEOTECHNICAL SERVICES

9221 0001 4

WDCVOC12
02-Jun-87

| SAMPLE SOURCE | DATE | LAB | METHOD | 1,1-DI-CHLORO-ETHANE UG/L | 1,2-DI-CHLORO-ETHANE UG/L | 1,1,1-TRI-CHLORO-ETHANE UG/L | 1,1-DI-CHLORO-ETHENE UG/L | 1,2-DI-CHLORO-ETHENE * UG/L | TRI-CHLORO-ETHENE UG/L | TETRA-CHLORO-ETHENE UG/L | VINYL CHLORIDE UG/L | SUM UG/L | ACETONE UG/L | METHYL-ETHYL-KETONE UG/L | CHLORO-FORM *** UG/L | METHY-LENE*** CHLORIDE UG/L | TETRA-HYDRO-FURAN** UG/L | PCB UG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL | | | | | 5 | 200 | 7 | | 5 | | 1 | | | | | | | |
| PRAC QUANTITATION LEVEL | | | | | 5 | 5 | 5 | | 5 | | 1 | | | | | | | |
| 60-16 | 04/16/87 | AQUA TECH | 624 | ND | ND | ND | ND | 48 | 160 | ND | ND | 208 | | | ND | ND | | |
| 60-23 | 04/16/87 | AQUA TECH | 624 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | ND | ND | | |
| 60-31 | 04/16/87 | AQUA TECH | 624 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | ND | ND | | |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS

* : 1,2 - DICHLOROETHENE INCLUDES TRANS- AND CIS-1,2 DICHLOROETHENE

** : FROM PVC CEMENT

*** : FROM LAB

ND - NOT DETECTED

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE I

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 12 OF 17

GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT 8 WOIL 006

T A GLEASON ASSOCIATES

Environmental and
Geotechnical Services

9221 0000 1

WDCVOC13
02-Jun-87

| SAMPLE SOURCE | DATE | LAB | METHOD | 1,1-DI-CHLORO-ETHANE UG/L | 1,2-DI-CHLORO-ETHANE UG/L | 1,1,1-TRI-CHLORO-ETHANE UG/L | 1,1-DI-CHLORO-ETHENE UG/L | 1,2-DI-CHLORO-ETHENE * UG/L | TRI-CHLORO-ETHENE UG/L | TETRA-CHLORO-ETHENE UG/L | VINYL CHLORIDE UG/L | SUM UG/L | ACETONE UG/L | METHYL-ETHYL-KETONE UG/L | CHLORO-FORM *** UG/L | METHY-LENE*** CHLORIDE UG/L | TETRA-HYDRO-FURAN** UG/L | PCB UG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL | | | | | 5 | 200 | 7 | | 5 | | 1 | | | | | | | |
| PRAC QUANTITATION LEVEL: | | | | | 5 | 5 | 5 | | 5 | | 1 | | | | | | | |
| 60-40 | 04/16/87 | AQUA TECH | 624 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | ND | ND | | |
| 61-20 | 04/16/87 | AQUA TECH | 624 | ND | ND | ND | ND | ND | 23 | ND | ND | 23 | | | ND | ND | | |
| 61-25 | 04/16/87 | AQUA TECH | 624 | ND | ND | ND | ND | 6.6 | 22 | ND | ND | 29 | | | ND | ND | | |

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

* : 1,2 - DICHLOROETHENE INCLUDES TRANS- AND CIS-1,2 DICHLOROETHENE

** : FROM PVC CEMENT

*** : FROM LAB

ND : NOT DETECTED

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 1

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 13 OF 17

GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT 8 WOIL 006

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

9221 0000 1

WDCVCC14
02-Jun-87

| SAMPLE SOURCE | DATE | LAB | METHOD | 1,1 DI-CHLORO-ETHANE | 1,2-DI-CHLORO-ETHANE | 1,1,1-TRI-CHLORO-ETHANE | 1,1-DI-CHLORO-ETHENE | 1,2-DI-CHLORO-ETHENE * | TRI-CHLORO-ETHENE | TETRA-CHLORO-ETHENE | VINYL CHLORIDE | SUM | ACETONE | METHYL-ETHYL-KETONE | CHLORO-FORM *** | METHY-LENE*** CHLORIDE | TETRA-HYDRO-FURAN** | PCB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| MAXIMUM CONTAMINANT LEVEL | | | | | 5 | 200 | 7 | | 5 | | 1 | | | | | | | |
| PRAC QUANTITATION LEVEL | | | | | 5 | 5 | 5 | | 5 | | 1 | | | | | | | |
| 62-15 | 04/16/87 | AQUA TECH | 624 | ND | ND | ND | ND | 5148 | 49000 | ND | 300 | 54448 | | | ND | ND | | |
| | 04/16/87 | AQUA TECH | 624 | ND | ND | ND | ND | 5653 | 49000 | ND | 43 | 54696 | | | ND | ND | | |
| 63-16 | 04/16/87 | AQUA TECH | 624 | ND | ND | ND | ND | 36 | 260 | ND | ND | 296 | | | ND | ND | | |
| 64-15 | 04/16/87 | AQUA TECH | 624 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | ND | ND | | |

NOTES

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS

* : 1,2 - DICHLOROETHENE INCLUDES TRANS- AND CIS 1,2 DICHLOROETHENE

** : FROM PVC CEMENT

*** : FROM LAB

ND : NOT DETECTED

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 1

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 14 OF 17

GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT 8 WOIL 006

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

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RECEIVED
02-Jun 87

| SAMPLE SOURCE | DATE | LAB | METHOD | 1,1-DI-CHLORO-ETHANE UG/L | 1,2 DI-CHLORO-ETHANE UG/L | 1,1,1-TRI-CHLORO-ETHANE UG/L | 1,1-DI-CHLORO-ETHENE UG/L | 1,2-DI-CHLORO-ETHENE * UG/L | TRI-CHLORO-ETHENE UG/L | TETRA CHLORO-ETHENE UG/L | VINYL CHLORIDE UG/L | SUM UG/L | ACETONE UG/L | METHYL-ETHYL-KETONE UG/L | CHLORO-FORM *** UG/L | METHY-LENE*** CHLORIDE UG/L | TETRA-HYDRO-FURAN** UG/L | PCB UG/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM CONTAMINANT LEVEL | | | | | 5 | 200 | 7 | | 5 | | 1 | | | | | | | |
| PRAC QUANTITATION LEVEL | | | | | 5 | 5 | 5 | | 5 | | 1 | | | | | | | |
| BLANK | 09/15/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | 09/15/86 | AQUA TECH | 601 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | 01/16/87 | AQUA TECH | 624 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | 02/09/87 | AQUA TECH | 624 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | 02/09/87 | AQUA TECH | 624 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | 04/16/87 | AQUA TECH | 624 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |

NOTES

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS

* : 1,2 - DICHLOROETHENE INCLUDES TRANS- AND CIS-1,2 DICHLOROETHENE

** : FROM PVC CEMENT

*** : FROM LAB

ND : NOT DETECTED

< : LESS THAN

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 1

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 17 OF 17

GROUNDWATER INVESTIGATIONS
ALLIED AUTOMOTIVE
WOODSTOCK, ILLINOIS
PROJECT 8 WDIL 006

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

9221 0001

# APPENDIX B

# REFERENCE DOCUMENTATION

ecology and environment, inc.
CHICAGO, ILLINOIS

# TELEPHONE LOG

REFERENCE: Blank, 1995

| CONTACT | COMPANY or AGENCY | POSITION |
|---|---|---|
| William Blank | Allied-Signal, Inc. | Mgr. of Site Remediation |

| CONTACT ADDRESS | CONTACT PHONE NUMBER |
|---|---|
| Columbia Rd. & Park Ave Morristown, NJ 07962 | (201) 455-5023 |

| E&E EMPLOYEE | DATE | TIME |
|---|---|---|
| Dennis Ross | 8/10/95 | 1515 |

| PROJECT NUMBER | SITE NAME and LOCATION |
|---|---|
| ZT3051 EILU526VAA | Woodstock Die Cast, Inc. Woodstock, IL |

DISCUSSION

I spoke with Mr. Blank who has been involved w/ WDC's remediation efforts. He informed me that presently, there is a joint effort between the City of Woodstock and Allied (cost sharing) to remediate, demolish and eventually rebuild on the site. Recently, asbestos and debris were removed from the site. All of these activities are overseen by the IEPA. There are 3 UST's on-site which are used for overflow if WTP system shuts down. Removal is planned to begin in the ~~Spring~~ Fall of 1995 and to be completed sometime in 1996. Mr. Blank is going to recommend that certain wells are removed soon due to their not being necessary any more. T.A. Gleason installed all the wells on and off site. Presently, the site is completely boarded up and fenced and the City of Woodstock Aux. Police monitor the site for security

SIGNATURE

ecology and environment, inc.
CHICAGO, ILLINOIS

# TELEPHONE LOG

REFERENCE: Blank 1995

| CONTACT | COMPANY or AGENCY | POSITION |
|---|---|---|
| William Blank | Allied-Signal, Inc. | Mgr. of site Remediation |

| CONTACT ADDRESS | CONTACT PHONE NUMBER |
|---|---|
| Columbia Rd. & Park Ave, Morristown, NJ 07962 | (201) 455-5023 |

| E&E EMPLOYEE | DATE | TIME |
|---|---|---|
| Dennis Ross | 8/10/95 | 1515 |

| PROJECT NUMBER | SITE NAME and LOCATION |
|---|---|
| 2T3051 EFL0526VAA | Woodstock Die Cast, Inc., Woodstock, IL |

DISCUSSION

measures.

Mr. Blank told me that WDC was a RCRA generator (Part A) and also filed for Part B (storage) to be on the safe side. Basically, he said that WMC financially pulled out (filed bankruptcy) and left Allied holding the bag. When WMC pulled out, they did leave everything behind, creating a situation where certain substances were stored on-site for >90 days.

SIGNATURE Dennis Ross

ecology and environment, inc.
CHICAGO, ILLINOIS

# TELEPHONE LOG

REFERENCE: Eddy 1995

| CONTACT | COMPANY or AGENCY | POSITION |
|---|---|---|
| Clayton Eddy | Woodstock Water Treatment Plant | Water Treatment Superintendent |

| CONTACT ADDRESS | CONTACT PHONE NUMBER |
|---|---|
| 1500 N. Seminary Ave., Woodstock, IL | (815) 338-5460 |

| E&E EMPLOYEE | DATE | TIME |
|---|---|---|
| Dennis Ross | 8/9/95 | 0900 |

| PROJECT NUMBER | SITE NAME and LOCATION |
|---|---|
| ZT3051EILUS26VAA | Woodstock Die Cast Co., Woodstock, IL |

DISCUSSION: I called Clayton Eddy for info. regarding the Woodstock Muni. Well System. He provided the following info:

| Well No. | Dept. | Distance From site | Pumping Rate (gpm) | |
|---|---|---|---|---|
| 4 | 205' | <1/4 mi. | 1,240 | 5 Wells all drawing from sand & gravel. |
| 7A | 114' | ~1 mi. | 820 | |
| 8 | 166' | ~1/2 mi. | 890 | |
| 9 | 175' | ~1/2 mi. | 900 | |
| 10 | 107 | ~1 mi. | 850 | |

The total population served is the population of Woodstock which is around 17,000. All the wells are blended, tested for TCL/TAL & treated prior to distribution. He told me that there was a hit of DCE in Well #1, but it was below MCL. Well #1 needed alot of work anyway, so it was closed. He told me that there have been no other problems or hits. The site has been vacant and they plan to demolish it. He is going to send me the Well Logs of the

SIGNATURE: Dennis Ross

| ecology and environment, inc. CHICAGO, ILLINOIS | TELEPHONE LOG | REFERENCE Eddy 1995 |
|---|---|---|

| CONTACT. | COMPANY or AGENCY | POSITION |
|---|---|---|
| Clayton Eddy | Woodstock Water Treatment Plant | Water Treatment Superintendant |

| CONTACT ADDRESS | CONTACT PHONE NUMBER |
|---|---|
| 1500 N. Seminary Ave., Woodstock, IL | (815) 338-5460 |

| E&E EMPLOYEE | DATE | TIME |
|---|---|---|
| Dennis Ross | 8/9/95 | 0900 |

| PROJECT NUMBER | SITE NAME and LOCATION |
|---|---|
| ZT3051EIL0536VAA | Woodstock Die Cast Inc., Woodstock, IL |

DISCUSSION

above mentioned wells He also referred me to a Mr. Bill Schmidt of the Woodstock Waste Treatment Plant who has been involved with the testing. Mr. Schmidt can be contacted at: (815) 338-2660

SIGNATURE Dennis Ross

ecology and environment, inc.
CHICAGO, ILLINOIS

# TELEPHONE LOG

REFERENCE: Isbell, 1995

| CONTACT | COMPANY or AGENCY | POSITION |
|---|---|---|
| John Isbell | Woodstock Dept. of Public Works | Superintendent of Public Works |

| CONTACT ADDRESS | CONTACT PHONE NUMBER |
|---|---|
| 326 Washington Street, Woodstock, IL 60098 | (815) 338-6118 |

| E&E EMPLOYEE | DATE | TIME |
|---|---|---|
| Dennis Ross | 8/10/95 | 1015 |

| PROJECT NUMBER | SITE NAME and LOCATION |
|---|---|
| ZT3051EIL0536VAA | Woodstock Die Cast Inc., Woodstock, IL |

DISCUSSION

I spoke w/ Mr. Isbell who informed me that Allied-Signal, Inc. is involved w/ site cleanup and that TA Gleason Assoc. is testing the wells. The latest report was submitted to him on 2/24/95 and contained results from late 1994 and stated that the site still requires clean-up. He told me that IEPA is fully aware of all site activities. He informed me that GW contamination has been confined to the site. He told me that there are ~92 UST's still on-site. Most of these tanks are open sumps and any piping that's below ground grade. He stated that TA Gleason provides annual updates but that sampling is more frequent. He told me that the closest private well user is ~1.6 miles from the site, but he believes that there are a significant number within a 4-mile radius of the site. He said that soil removal is expected within the upcoming year, beginning

SIGNATURE

| ecology and environment, inc. CHICAGO, ILLINOIS | TELEPHONE LOG | REFERENCE Isbell, 1995 |
|---|---|---|

| CONTACT. | COMPANY or AGENCY | POSITION |
|---|---|---|
| John Isbell | Woodstock Dept. of Public Works | Superintendent of Public Works |

| CONTACT ADDRESS | CONTACT PHONE NUMBER |
|---|---|
| 326 Washington Street, Woodstock, IL 60098 | (815) 338-6118 |

| E&E EMPLOYEE | DATE | TIME |
|---|---|---|
| Dennis Ross | 8/10/95 | 1015 |

| PROJECT NUMBER | SITE NAME and LOCATION |
|---|---|
| ZT3051EIL0536VAA | Woodstock Die Cast Inc., Woodstock, IL |

DISCUSSION

possibly as soon as 9/95. This will be done by I.T. Corp. Asbestos removal has already occurred. After bldg. & site (sludge & liquid) then soil. Some interval demo work has been done internally, but not externally. This should be accomplished by Spring 1996. No UST's or bldgs. have been removed. The bldgs. are the original bldgs. from the O.T. Typewriter Co, w/ some additions in the 1960's & 1970's.

In 1990, WMC filed bankruptcy and closed operations. In 1993, the City of Woodstock purchased the site and continue to own it today.

| ecology and environment, inc. CHICAGO, ILLINOIS | TELEPHONE LOG | REFERENCE Komperda, 1995 |
|---|---|---|

| CONTACT | COMPANY or AGENCY | POSITION |
|---|---|---|
| Stan Komperda | IEPA (Bureau of Land) | |

| CONTACT ADDRESS | CONTACT PHONE NUMBER |
|---|---|
| 2200 Churchill Rd., PO Box 19276, Springfield, IL 62794 | (217) 782-5504 |

| E&E EMPLOYEE | DATE | TIME |
|---|---|---|
| Dennis Ross | 8/10/95 | 1430 |

| PROJECT NUMBER | SITE NAME and LOCATION |
|---|---|
| ZT3051EIL053EVAA | Woodstock Die Cast Inc., Woodstock, IL |

DISCUSSION

I spoke w/ Mr. Komperda who told me the site is being ~~[illegible]~~ cleaned up by Allied-Signal, Inc and that they have enrolled in the Illinois Pre-notice site program. He told me groundwater monitoring is on-going. Recently, ~400 drums and asbestos were removed from the site. All the UST's and plating pits have been characterized and are awaiting removal activities. Mr. Komperda told me that all parties involved (Allied-Signal, City of Woodstock, IEPA, ~~DOTHER~~ City Public Works, etc.) are cooperating.

SIGNATURE