
**SITE CHARACTERIZATION REPORT
EKONOL POLYESTER RESINS FACILITY
WHEATFIELD, NEW YORK**

Prepared For:

BP Amoco Corporation

4850 East 49th Street
Cuyahoga Heights, Ohio 44125

Prepared By:

PARSONS ENGINEERING SCIENCE, INC.

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February 2001

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TABLE OF CONTENTS

Page No.

SECTION 1 PROJECT BACKGROUND	1-1
1.1 Introduction	1-1
1.2 Site Description.....	1-1
1.3 Site History	1-1
SECTION 2 SITE CHARACTERIZATION ACTIVITIES.....	2-1
2.1 Soil Sampling and Temporary Piezometer Installation	2-1
2.1.1 Soil Boring Advancement.....	2-1
2.1.2 Soil Sample Chemical Analysis	2-1
2.1.3 Temporary Piezometer Installation	2-1
2.2 Groundwater Sampling and Analysis.....	2-2
2.3 Water Levels.....	2-3
2.4 Investigation-Derived Waste	2-3
SECTION 3 CHARACTERIZATION RESULTS	3-1
3.1 Geology and Hydrogeology.....	3-1
3.2 Soil Analytical Results.....	3-1
3.3 Groundwater Analytical Results.....	3-2
SECTION 4 CONCLUSIONS.....	4-1
SECTION 5 REFERENCES.....	5-1
APPENDIX A SOIL BORING LOGS	
APPENDIX B WELL SAMPLING RECORDS	
APPENDIX C SOIL CHEMICAL ANALYTICAL DATA	
APPENDIX D GROUNDWATER CHEMICAL ANALYTICAL DATA	

LIST OF FIGURES

Figure 1 Site Location Map

Figure 2 Site Location Map

Figure 3 Total Soil VOC/SVOC Concentration Map

Figure 4 Total Groundwater VOC/SVOC Concentration Map

LIST OF TABLES

Table 1 Groundwater Elevation Summary

Table 2 Soil Analytical Data

Table 3 Groundwater Analytical Data – Round 1

Table 4 Groundwater Analytical Data – Round 2

SECTION 1

PROJECT BACKGROUND

1.1 INTRODUCTION

The Ekonol Polyester Resins facility, currently owned by Norton, a division of Saint-Gobain Performance Plastics Corporation, operated a concrete secondary containment tank in Wheatfield, New York. The tank was used as containment for wastewater from the adjacent Ekonol facility. Operation of the tank was discontinued in October 1999. Following the removal of the UST and its piping, soil sampling of the walls and floor of the excavation was conducted. The excavation was then backfilled with clean fill, and the area was covered with a concrete slab. Results of the sampling indicated the presence of several organic compounds, including trichloroethane (tce), tetrachloroethene (pce), cis-1,2-dichloroethene (cis-1,2-dce), phenol, and metals, including lead and zinc. Because some of the sample results exceeded New York State Department of Environmental Conservation (NYSDEC) TAGM 4046 values, a site characterization was required.

The objective of this characterization is to determine the extent of the target organic compounds and metals in soil and groundwater in the vicinity of the former containment tank. The following sections of this report present the findings of the characterization activities and include the site description, site characterization, analytical results, and conclusions.

1.2 SITE DESCRIPTION

The Ekonol Polyester Resins facility is located on the west side of Walmore Road, approximately 0.5 mile north of Niagara Falls Boulevard (Route 62) in the Town of Wheatfield, New York (see Figure 1). The facility is situated at the northeast end of the Saint-Gobain Performance Plastics Corporation facility. Properties adjacent to this facility include Bell Aerospace Textron to the south, Niagara Falls Air Force Base to the north, and Niagara Falls International Airport to the west. Properties to the east of Walmore Road are primarily industrial or commercial.

The topography at the facility is relatively flat, and located at an approximate elevation of 600 feet above mean sea level (AMSL). The investigation area, immediately south of the main building, is paved with asphalt and concrete, and is primarily used for vehicle parking and equipment storage. The facility receives its potable water supply from the Town of Wheatfield, New York. The nearest groundwater supply well for domestic use is approximately one mile east-southeast of the facility (EDR, 2000).

1.3 SITE HISTORY

The former secondary containment tank at the facility received wastewater rinsates from floor drains inside the process area of the Ekonol plant. The tank was installed prior to 1977, and remained in use until October 1999. The tank was constructed of reinforced

concrete walls, approximately 9.5 inches thick. The interior dimensions were approximately 18 feet long, 6 feet wide, and 9 feet deep. At capacity, the maximum volume was 7,794 gallons. The tank was an open top, rinsate collection point covered with large steel plates. The walls and floor were sound, with no obvious cracking or fractures. At the time the tank was removed, there was no protective coating visible on the inside walls or floor (Frontier, 2000).

Following the October 1999 tank removal, tce was detected in concentrations ranging from 1.2 mg/kg to 200 mg/kg in the excavation walls (Frontier, 2000). Cis-1,2-dce was detected at levels ranging from 2.4 mg/kg to 100 mg/kg. Phenols were detected at concentrations ranging from 3.5 to 10 mg/kg.

SECTION 2

SITE CHARACTERIZATION ACTIVITIES

The site characterization activities included soil borings, temporary well installations, soil and groundwater sampling, and surveying. All work was conducted in accordance with the NYSDEC-approved Work Plan (Parsons 2000). Soil borings and temporary piezometers were advanced and installed on November 20 through 22, 2000. Soil samples were obtained during the advancement of soil borings, and the installation of 13 temporary piezometers in the vicinity of the former UST. On November 27, 2000, following installation of the temporary piezometers, groundwater samples were collected from nine of the piezometers, plus an existing standpipe. On December 27, 2000, a second round of six groundwater samples was collected. The sampling locations and elevations were surveyed by a licensed New York State surveyor on December 18, 2000.

2.1 SOIL SAMPLING AND TEMPORARY PIEZOMETER INSTALLATION

Thirteen soil borings, all of which were converted to temporary monitoring points, were installed in the vicinity of the former containment tank (see Figure 2). The soil borings were advanced to define subsurface stratigraphy, collect soil samples for analysis, and to define the horizontal and vertical extent of the target compounds.

2.1.1 Soil Boring Advancement

Borings were advanced using direct push technology to depths ranging from 12.0 to 13.0 feet below ground surface (bgs). Borings were advanced until refusal was encountered. Soil samples retrieved from the borings were visually inspected for signs of staining, and screened for the presence of organic vapors with a photoionization detector (PID). The depth at which soil samples were collected for analysis varied, depending on field screening results. Prior to advancing each boring, all drilling equipment that came into contact with the subsurface was thoroughly decontaminated.

2.1.2 Soil Sample Chemical Analysis

Nine soil samples were selected for laboratory analysis based on PID headspace readings and visual observations. Analytical parameters included 1,2-dichloroethene (1,2-dce), 1,1-dichloroethane (1,1-dca), trichloroethene (tce), and 1,1,1-trichloroethane (1,1,1-tca) by EPA Method 8260; phenol and aniline by EPA Method 8270; and zinc and lead using Method 6010B. A chain-of-custody record accompanied each sample from preparation of the sample container at the laboratory, to sample collection in the field, and back to the laboratory.

2.1.3 Temporary Piezometer Installation

Temporary piezometers were installed in each of the 13 soil borings to allow for collection of groundwater samples, and measurement of water levels. Ten temporary

piezometers were constructed of 1.5-inch inside diameter, flush-joint, Schedule 40 PVC well screen and casing. Three temporary piezometers (SP-3, SP-5, and SP-16) were constructed of 1.0-inch inside diameter, flush-joint, Schedule 40 PVC well screen and casing. Difficulty was encountered installing these piezometers into the swelling clay at these locations, requiring a smaller diameter casing.

The piezometers were completed with 0.010-slot size well screen. Final depth of the screened interval of each piezometer was determined in the field based upon the data collected at the time the borings were advanced. The screened intervals of the piezometers ranged from 2.0 feet below ground surface (bgs) to 13.0 feet bgs. The screens were positioned to straddle the water table, with a sufficient interval screened above the water table to account for seasonal groundwater fluctuations.

After the assembled piezometers were installed, a quartz sand of a size compatible with the screen slot size, was backfilled through the annulus between the casing and the boring. The sand pack was extended approximately one foot above the top of the screen. Above the sand pack, bentonite pellets were backfilled to form a one- to two-foot thick seal. This bentonite seal was brought to ground level to limit surface water infiltration into the well. A record of each of the soil borings is presented in Appendix A. Once installed, piezometer locations were surveyed by a licensed New York State surveyor for location and elevation.

2.2 GROUNDWATER SAMPLING AND ANALYSIS

After the temporary piezometers were installed, nine of them were purged to ensure that a representative sample of formation water was collected. Purging was conducted using a peristaltic pump, and continued until the piezometer became "dry". Polyethylene tubing (3/8-inch) was utilized in the purging effort, and dedicated to each piezometer, ensuring that cross-contamination did not occur. During the purging procedure, a slow recharge rate was observed. After purging a single well volume, water levels were allowed to recover to near static conditions prior to sampling the piezometers. Temperature, pH, and specific conductivity were measured and recorded during the purging process.

The first round of groundwater samples was collected on November 27, 2000 in accordance with the NYSDEC-approved Work Plan, using a peristaltic pump and dedicated tubing. Nine of the 13 piezometers and a slotted standpipe, previously installed in the UST excavation, were sampled. The nine piezometers were selected based primarily on PID readings and visual observations from the soil samples. A total of 10 groundwater samples were submitted for laboratory analysis. Analytical indicator parameters included tce; 1,2-dce; 1,1-dca; and 1,1,1-tca (EPA Method 8260), phenol and aniline (EPA Method 8270); and zinc and lead (Method 6010B). Two of the 10 samples (SP-1 and SP-2) were analyzed for the full Target Compound List (TCL) of volatile organic compounds (VOCs) by Method 8260, and semi-volatile organic compounds (SVOCs) by Method 8270.

In accordance with the Work Plan, a second round of groundwater sampling was conducted on December 27, 2000, one month following the initial round. This second round of sampling was conducted to confirm the analytical results of the first sampling event. The procedures used for obtaining the second round of samples were identical to the first. Six samples were collected and analyzed only for the indicator parameters. Selection of these groundwater samples was based on the analytical results from the first round of groundwater sampling. Analysis of the full TCL for VOCs and SVOCs was not conducted during this second round of sampling. For QA/QC purposes, one field duplicate sample was collected, along with one trip blank supplied by the laboratory, during this event. For both sampling events, a chain-of-custody record accompanied each sample from preparation of the sample container at the laboratory, to sample collection in the field, and back to the laboratory. Sampling records from both events are provided in Appendix B.

2.3 WATER LEVELS

Water levels in the piezometers were measured on three occasions, following installation. Depth to the water table at the facility on January 17, 2001 ranged from 1.4 feet to 5.2 feet bgs. A summary of water levels collected on all three occasions is provided in Table 1.

2.4 INVESTIGATION-DERIVED WASTE

All investigation-derived waste (IDW), including excess soils, decontamination rinsates, well development water, purge water, acetate liners from soil samples, and personal protective equipment, were placed in Department of Transportation (DOT) approved 55-gallon 17-H type drums. Each drum was labeled and securely staged onsite for proper disposal. A total of two 55-gallon drums were generated during this investigation.

SECTION 3 CHARACTERIZATION RESULTS

3.1 GEOLOGY AND HYDROGEOLOGY

The overburden deposits in the vicinity of the former UST, based on borings conducted during the site characterization, consist of a red/brown silty clay with some fine-grained gravel (see Appendix A). Given the nature of the overburden and slow recharge rates observed during well development, the soil drainage is expected to be poor, and hydraulic conductivity is low. Based on data from an adjacent site, regional groundwater flow direction is to the south-southwest, at a hydraulic gradient of approximately 0.01 feet/foot (Golder, 1991). The depth to groundwater at the site varied substantially between monitoring locations (Table 1). Because of the variability of the water levels, groundwater contour maps could not be constructed. The depth to groundwater varied from 1.4 to 5.2 feet bgs. Groundwater velocities are expected to be very low based on the high percentage of clay in the overburden, and the low regional hydraulic gradient.

The depth to bedrock, estimated as the depth to refusal during soil borings, was approximately 12 to 13 feet bgs. This is consistent with the depth to bedrock reported in the UST Closure Report (Frontier, 2000). The bedrock in this regional area is the Middle Silurian Lockport Dolostone, which consists mainly of gray to brownish gray, fine- to coarse-grained dolostone (Ecology and Environment, Inc., 2000).

The major surface water feature in the area is the Niagara River, located approximately three miles south of the facility. Bergholtz Creek, a tributary of the Niagara River, is located approximately 0.5 miles south of the facility.

Three water supply wells identified as being domestic use were reported to exist within 1.5 miles of the site. The nearest of these three wells is approximately one mile east-southeast of the facility. None of these wells was located hydraulically downgradient of the facility. The depth to groundwater in these wells at the time of drilling (1950s) ranged from 7 to 11 feet bgs (EDR, 2000).

3.2 SOIL ANALYTICAL RESULTS

A summary of the analytical results for soil is provided in Table 2 and Figure 3, and a complete table of analytical results is provided in Appendix C. All results were compared to NYSDEC TAGM 4046 Standards or Guidance Values. Chemical analytical results for eight of the nine soil samples submitted for laboratory analysis showed the presence of 1,2-dce at levels above the NYSDEC TAGM value of 300 ug/kg, ranging from 640 ug/kg (SP-3) to 29,000 ug/kg (SP-16). Exceedances of the TAGM value for tce (700 ug/kg) were observed at seven of the sampling locations, ranging from 970 ug/kg (SP-5) to 39,000 ug/kg (SP-1).

Of the SVOCs, aniline was detected at a value of 130 ug/kg at location SP-1, exceeding the TAGM value of 100 ug/kg. Phenol exceeded the 30 ug/kg TAGM value in borings SP-1, SP-2, and SP-3, ranging from 130 ug/kg (SP-3) to 49,000 ug/kg (SP-2).

Lead, which does not have a standard other than site background, was detected in all soil samples, with the exception of SP-3. Concentrations ranged from 8.4 mg/kg (SP-4) to 13.5 mg/kg (SP-11). Typical background concentrations for lead in Western New York State range from 15 to 700 mg/kg. Lead concentrations at the site were less than the low end of the regional background values (Shacklette and Boerngen, 1984). Zinc was detected above the TAGM value of 20 mg/kg in eight of the nine soil samples. Concentrations ranged from 55.1 mg/kg (SP-5) to 65.9 mg/kg (SP-16).

It can be seen from Figure 3 that the highest concentrations of VOCs and SVOCs are in the vicinity of the former containment tank or its associated piping. It can also be seen that the approximate limits of the indicator parameters were defined by the site characterization work and chemical analysis.

3.3 GROUNDWATER ANALYTICAL RESULTS

A summary of the analytical results for groundwater is presented in Tables 3 and 4, and a complete table of analytical results is provided in Appendix D. The results were also plotted on a site plan (Figure 4). All results were compared to NYSDEC Class GA Ambient Water Standards on Guidance Values (Tables 3 and 4).

In the first round of sampling, conducted on November 27, 2000, tce, having a standard of 5 ug/l, was detected in eight of the ten samples. 1,1,1-tca was detected at a concentration of 8.4 ug/l (SP-3), above the NYSDEC standard of 5 ug/l. Exceedances of the NYSDEC value for 1,2-dce (5 ug/l) ranged from 32 ug/l (SP-7) to 230,000 ug/l (SP-2). The detected concentrations of 1,1-dca ranged from 12 ug/l (SP-1) to 320 ug/l (SP-3), above the NYSDEC standard of 5 ug/l. Three SVOCs (2-methyphenol, 4-methyphenol, and phenol) exceeded their respective standards of 1 ug/l, with the highest concentrations occurring in SP-2. Lead concentrations exceeded the standard of 25 ug/l in SP-3 (200 ug/l), SP-5 (210 ug/l), and SP-11 (81 ug/l). Zinc concentrations were below the guidance value of 2,000 ug/l in all samples submitted.

As mentioned, SP-1 and SP-2 were analyzed for the full Target Compound List of VOCs and SVOCs. In addition to the indicator parameters, vinyl chloride, with a standard of 2 ug/L, was detected in the first round of sampling at concentrations of 2,500 ug/l (SP-1) and 5,000 ug/l (SP-2). Other non-indicator parameters detected above standards in SP-1 and SP-2 included 1,1-dichloroethene (1,1-dce), acetone, and tetrachloroethene (pce).

The analytical results from the second round of sampling confirmed the detections of selected analytes from the first round (Table 4).

The highest concentrations of the target parameters were located in the immediate vicinity of the former containment tank, or its associated piping (see Figure 4). Also, the approximate limits of the indicator parameters were defined by the site characterization and subsequent chemical analysis.

Chemical constituents detected during various sampling/monitoring events from 1991 through 1996 were confirmed to be present during the recent site characterization work in November 2000.

SECTION 4 CONCLUSIONS

The objective of this site characterization, to determine the extent of indicator chemicals in soil and groundwater, was met by the field activities and subsequent laboratory analysis and data evaluation. The following conclusions were drawn from the site characterization work:

- Two of the four target or indicator VOCs (tce and 1,2-dce), and two SVOCs (aniline and phenol) exceeded NYSDEC TAGM 4046 Standards or Guidance Values in one or more soil samples. Zinc was detected above the TAGM value of 20 mg/kg in eight of the soil samples.
- The highest concentrations of organic indicator parameters in soil were observed in the vicinity of the former containment tank or its associated piping. The approximate limits of these indicator parameters were defined by the site characterization work.
- In groundwater, four of the indicator VOCs (tce, 1,1,1-tca, 1,2-dce, and 1,1-dca) exceeded NYSDEC Water Quality Standards or Guidance Values in one or more samples. In addition to the indicator parameters, vinyl chloride, 1,1-dce, acetone, and pce exceeded standards in SP-1 and SP-2. Three SVOCs (2-methyphenol, 4-methyphenol, and phenol) exceeded their respective standards of 1 ug/l.
- Lead concentrations in groundwater exceeded the standard in SP-3 (200 ug/l), SP-5 (210 ug/l), and SP-11 (81 ug/L). Zinc concentrations in groundwater were below the guidance value, ranging from 48 ug/l (SP-20) to 1,400 ug/l (SP-5) in the first sampling round. In the second round, the zinc standard was exceeded in only a single sample (SP-5 at 3,600 ug/l).
- The highest concentrations of organic indicator parameters in groundwater were observed in the vicinity of the former containment tank or its associated piping. The approximate limits of these indicator parameters were defined by the site characterization work.
- Groundwater velocity is expected to be low based on the hydraulic gradient in the local vicinity and the low permeability of the silty clay overburden. Also, transport of chemical constituents is expected to be minimal, based on expected groundwater velocities. The limited distribution of indicator parameters in soil and groundwater in the immediate vicinity of the former containment tank, after more than 20 years of operation support this conclusion.

SECTION 5 REFERENCES

Ecology and Environment, Inc. Final 1999 Sampling/Monitoring Report, Niagara Falls IAP-ARS, Niagara Falls, New York; April 2000.

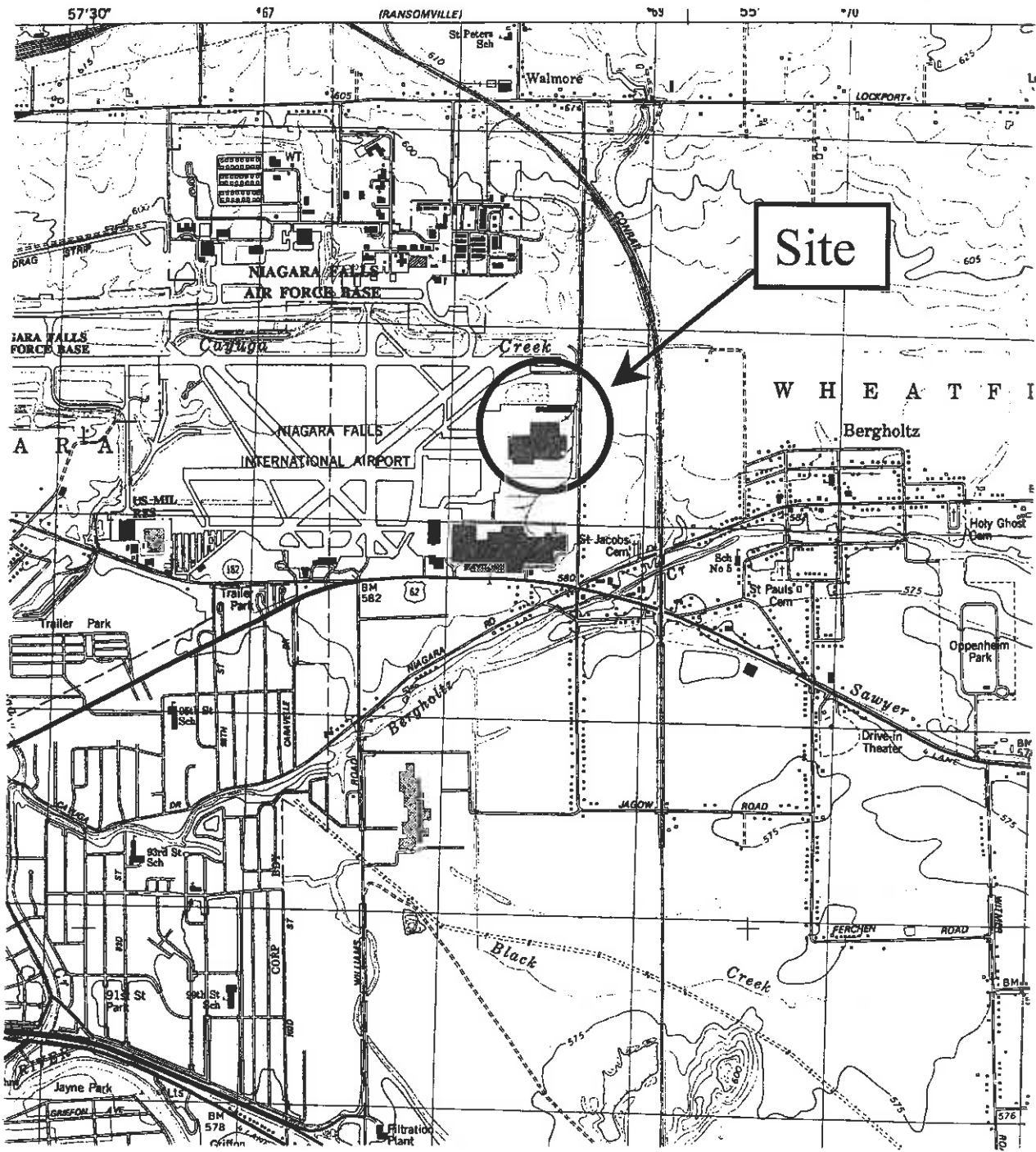
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Golder Associates. Final Report, RCRA Facility Investigation Neutralization Pond, Bell Aerospace Textron- Wheatfield Plant. June 1991.

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Shacklette and Boerngen. USGS Professional Paper 1270. Element Concentrations in Soils and Other Surficial Materials of the Conterminous US. 1984



LEGEND

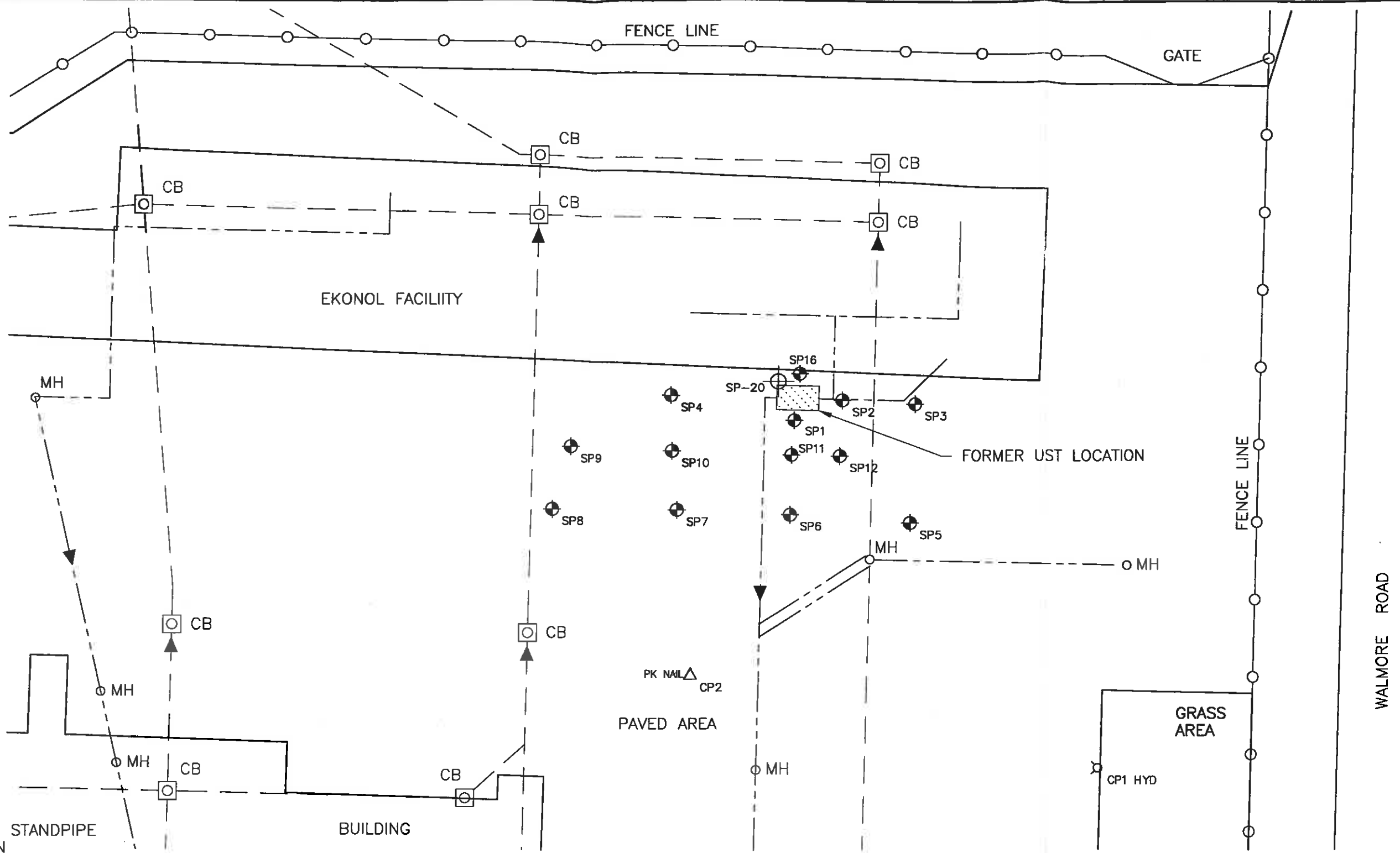
Not To Scale

Adapted from USGS 7.5 Minute Topographic Maps,
(Tonawanda West, NY)

Figure 1

**Site Location Map
BP Amoco
Ekonol Facility
Wheatfield, NY**

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OFFICES IN PRINCIPAL CITIES



LEGEND:

- ⊕ SP-20 EXISTING STANDPIPE LOCATION
- ⊕ SP-2 WELL/SOIL BORING LOCATION
- ⊕ CP1 HYD FIRE HYDRANT LOCATION
- △ CP-2 PK NAIL LOCATION
- — — — — SANITARY SEWER LINE
- — — — — STORM SEWER LINE
- ▶ FLOW DIRECTION
- — ○ — ○ — ○ FENCE LINE
- MH MANHOLE
- CB CATCH BASIN

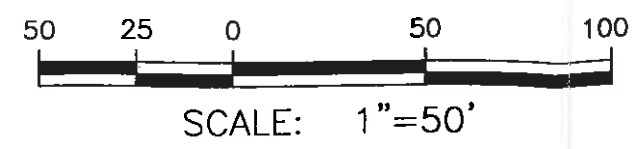
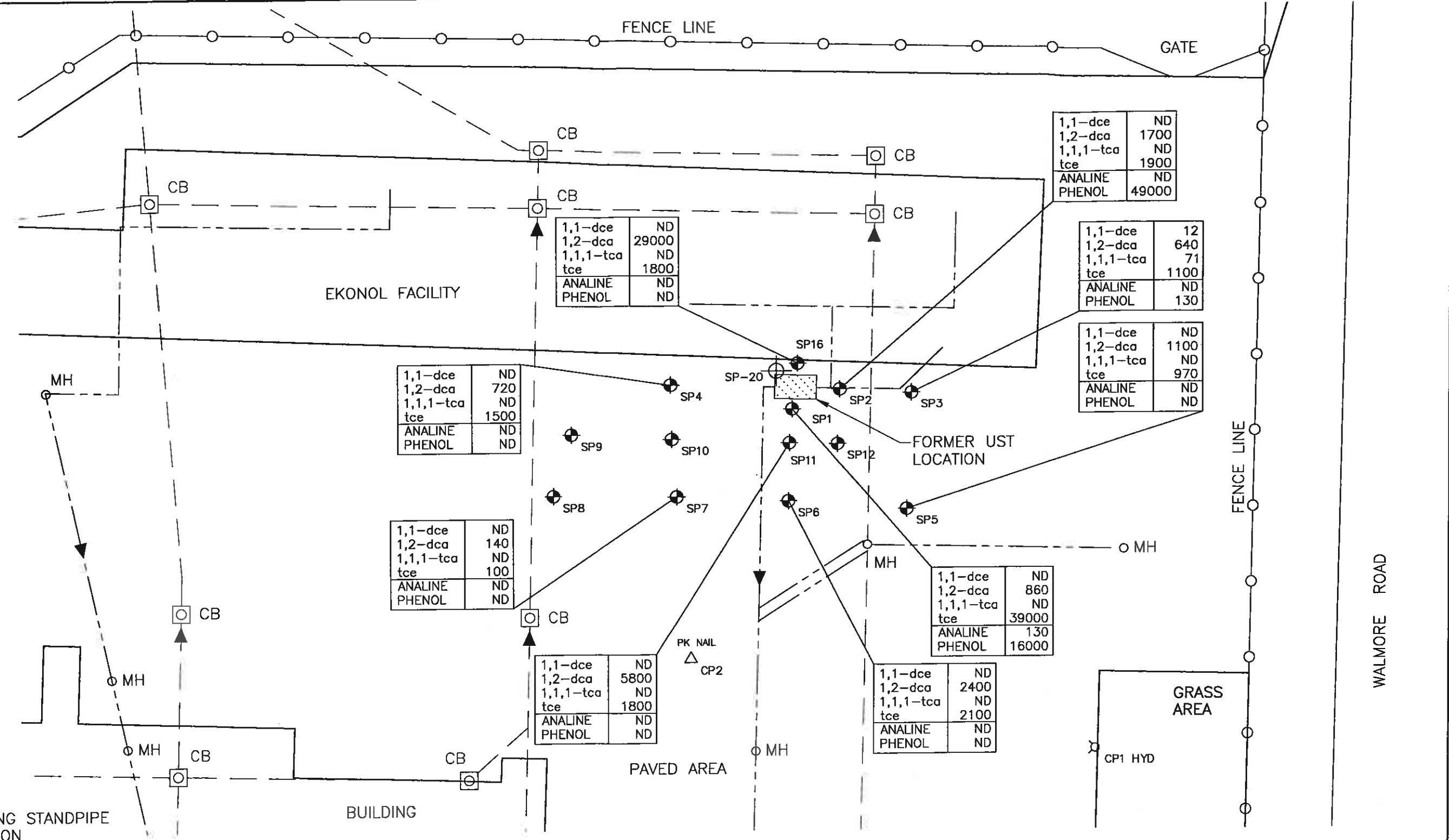


FIGURE 2
BP AMOCO EKONOL FACILITY WHEATFIELD, NEW YORK
SITE PLAN
<small>PARSONS INFRASTRUCTURE & TECHNOLOGY GROUP INC. PARSONS ENGINEERING SCIENCE, INC. 180 LAWRENCE BELL DR, SUITE 104, WILLIAMSVILLE, NY 14221 PHONE: 716-633-7074</small>



LEGEND:

- SP-20 EXISTING STANDPIPE LOCATION
- SP-2 WELL/SOIL BORING LOCATION
- SANITARY SEWER LINE
- STORM SEWER LINE
- FENCE LINE
- MH MANHOLE
- CB CATCH BASIN
- CP1 HYD FIRE HYDRANT LOCATION
- CP-2 PK NAIL LOCATION
- FLOW DIRECTION
- | | |
|-----------|-----|
| 1,1-dce | ND |
| 1,2-dca | 140 |
| 1,1,1-tca | ND |
| tce | 100 |
| ANALINE | ND |
| PHENOL | ND |

 INDICATOR VOC ($\mu\text{g}/\text{Kg}$)
- | | |
|-----------|-----|
| 1,1-dce | ND |
| 1,2-dca | 140 |
| 1,1,1-tca | ND |
| tce | 100 |
| ANALINE | ND |
| PHENOL | ND |

 INDICATOR SVOC ($\mu\text{g}/\text{Kg}$)
- ND NOT DETECTED

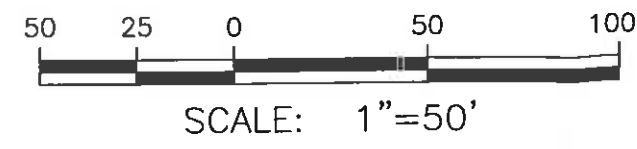
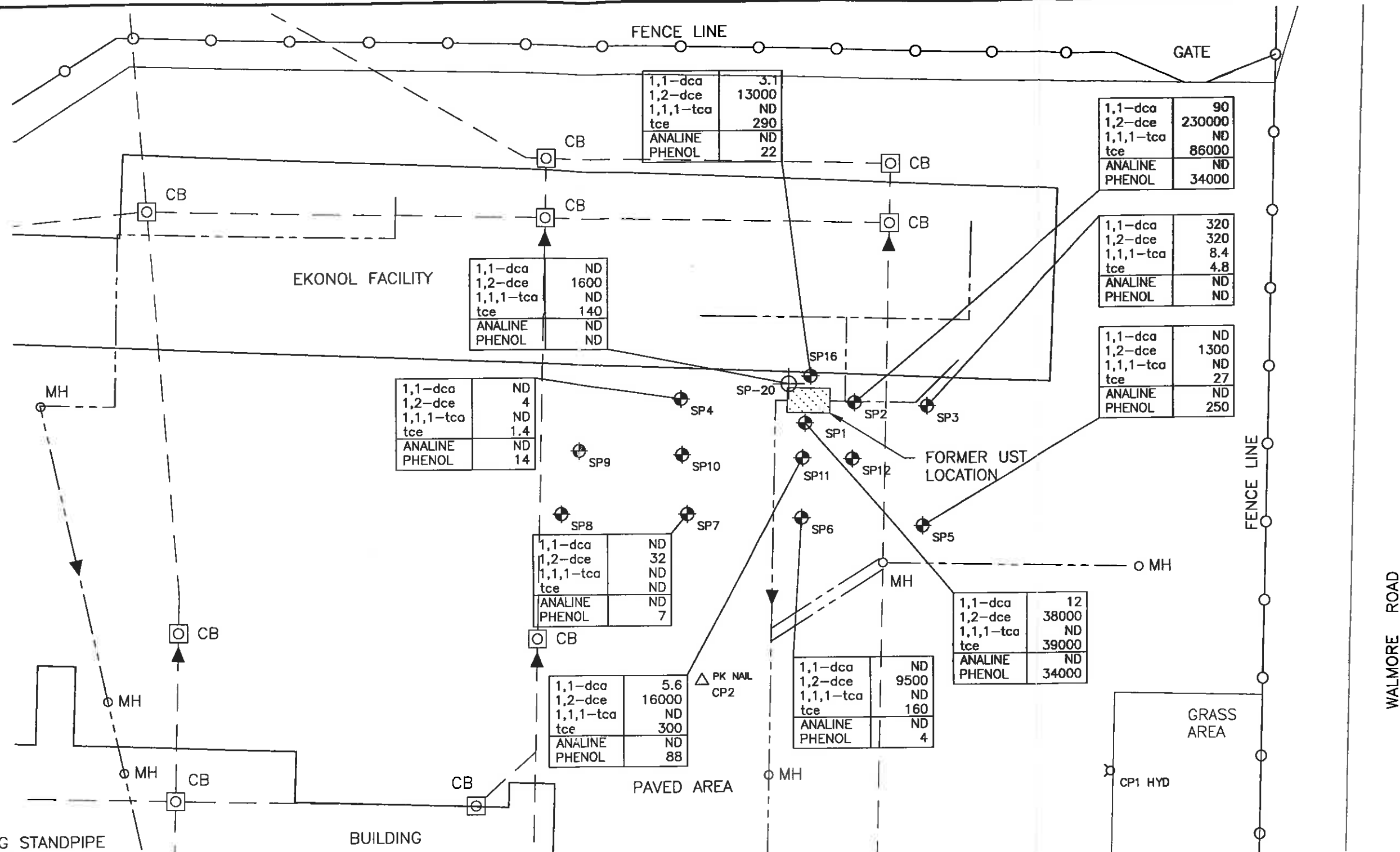


FIGURE 3

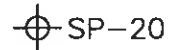
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WHEATFIELD, NEW YORK

SOIL VOC/SVOC
CONCENTRATION MAP
(NOVEMBER 20-22, 2000)

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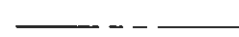
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EXISTING STANDPIPE LOCATION



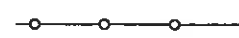
WELL/SOIL BORING LOCATION



SANITARY SEWER LINE



STORM SEWER LINE



FENCE LINE



MANHOLE



CATCH BASIN



FIRE HYDRANT LOCATION



PK NAIL LOCATION



FLOW DIRECTION

1,1-dce	ND
1,2-dca	140
1,1,1-tca	ND
tce	100
ANALINE	ND
PHENOL	ND

INDICATOR VOC ($\mu\text{g/L}$)

INDICATOR SVOC ($\mu\text{g/L}$)

ND

NOT DETECTED



SCALE: 1"=50'

FIGURE 4

BP AMOCO
EKONOL FACILITY
WHEATFIELD, NEW YORK

GROUNDWATER VOC/SVOC
CONCENTRATION MAP
(NOVEMBER 27, 2000)

Table 1
Groundwater Elevation Summary
Ekonol Polyester Resins Facility

Monitoring Well ID	Ground Surface Elevation (Feet)	Top of Well Casing Elevation (Feet)	Depth to Water 11/27/00 (Feet TOC)	Water Table Elevation 11/27/00 (Feet)	Depth to Water 12/18/00 (Feet TOC)	Water Table Elevation 12/18/00 (Feet)	Depth to Water 12/27/00 (Feet TOC)	Water Table Elevation 12/27/00 (Feet)	Depth to Water 1/17/01 (Feet TOC)	Water Table Elevation 1/17/01 (Feet)
SP-1	585.93	587.28	2.21	585.07	4.84	582.44	7.46	579.82	2.46	584.82
SP-2	586.22	587.22	8.97	578.25	5.98	581.24	7.87	579.35	6.17	581.05
SP-3	586.12	586.15	2.72	583.43	2.24	583.91	3.08	583.07	1.50	584.65
SP-4	586.20	587.60	2.63	584.97	4.83	582.77	7.95	579.65	2.52	585.08
SP-5	585.78	585.78	Flooded	-	3.85	581.93	6.28	579.50	5.13	580.65
SP-6	585.90	586.98	7.34	579.64	5.39	581.59	8.10	578.88	-	-
SP-7	586.08	587.23	1.89	585.34	3.27	583.96	5.93	581.30	2.17	585.06
SP-8	585.92	586.04	-	-	1.37	584.67	3.76	582.28	1.48	584.56
SP-9	585.92	587.56	-	-	5.06	582.50	5.10	582.46	1.87	585.69
SP-10	586.04	587.22	-	-	6.36	580.86	6.51	580.71	5.69	581.53
SP-11	585.99	587.31	5.57	581.74	6.45	580.86	7.84	579.47	4.11	583.20
SP-12	586.02	587.12	-	-	1.95	585.17	7.17	579.95	1.85	585.27
SP-16	586.26	587.16	9.29	577.87	6.69	580.47	7.24	579.92	5.52	581.64
SP-20*	586.01	589.30	11.14	578.16	8.77	580.53	9.31	579.99	7.84	581.46

* = Existing standpipe in former containment tank excavation

Table 2

Ekonal Polyester Resins Facility - Wheatfield, NY
Soil Analytical Data
Detected Compound Summary

CASno	Compound	Standard	Sample ID:		SP-1 (4'-8')	SP-2 (8'-12')	SP-3 (4'-8')	SP-4 (4'-8')	SP-5 (4'-8')	SP-6 (8'-12')	SP-7 (8'-12')	SP-11 (8'-12')	SP-16 (6'-12')
			Lab Sample Id:	Units:									
75-34-3	VOLATILES												
540-59-0	1,1-Dichloroethane	200	UG/KG		6 U	800 U	12	7 U	6 U	790 U	6 U	760 U	750 U
71-55-6	1,2-Dichloroethane (Total)	300	UG/KG	860 DJ	1700	640 DJ	720 DJ	1100 DJ	2400	140	6300	6300	29000
79-01-6	1,1,1-Trichloroethane	800	UG/KG	6 U	800 U	71	7 U	6 U	790 U	6 U	760 U	760 U	750 U
62-53-3	Trichloroethane	700	UG/KG	39000 D	19000	1100 D	1500 D	970 D	2100	100	1800	1800	680 J
108-95-2	SEMIVOLATILES												
7439-92-1	Aniline	100	UG/KG	130 J	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	77 J
7441-66-6	Phenol	30 or MDL	UG/KG	16000 D	49000 D	130 J	330 U	330 U	330 U	330 U	330 U	330 U	330 U
	METALS												
	Lead - Total	SB	MG/KG	9	10.9	6.5 U	8.4	8.8	9.1	8.8	8.8	13.5	10.2
	Zinc - Total	20 or SB	MG/KG	59.8	62.4	16.1	49.6	55.1	63.6	56.4	57.3	65.9	65.9

"U"= Compound was analyzed for, but not detected
 "J"= Indicates an estimated value
 "E"= Concentration exceeded the calibration range
 "D"= Compound was identified in an analysis at the secondary dilution factor

Table 3
Ekonom Polyester Resins Facility - Wheatfield, NY
Groundwater Analytical Data-Round 1
Detected Compound Summary

CASno	Compound	NYSDEC Class GA	Sample ID: Lab Sample Id:	SP-1 A0856305 STL Buffalo A00-8563 Water 11/27/00	SP-2 A0856309 STL Buffalo A00-8563 Water 11/27/00	SP-3 A0856306 STL Buffalo A00-8563 Water 11/27/00	SP-4 A0856306 STL Buffalo A00-8563 Water 11/27/00	SP-5 A0856307 STL Buffalo A00-8563 Water 11/27/00	SP-6 A0856301 STL Buffalo A00-8563 Water 11/27/00	SP-7 A0856305 STL Buffalo A00-8563 Water 11/27/00	SP-11 A0856302 STL Buffalo A00-8563 Water 11/27/00	SP-16 A0856304 STL Buffalo A00-8563 Water 11/27/00	SP-20 A0856602 STL Buffalo A00-5256 Water 11/28/00	TRIP BLANK A0856310 STL Buffalo A00-8563 Water 11/27/00	
															Source:
87-64-1	Acetone	50 (G)	UG/L	2500 D	14000 D										25 U
75-15-0	Carbon Disulfide	NS	UG/L	2.2 J	40 U										5 U
67-66-3	Chloroform	7	UG/L	1.4 J	10 U										5 U
75-34-3	1,1-Dichloroethane	5	UG/L	12	90	320	5 U	50 U	5 U	25 U	5.6	3.1 J	50 U		5 U
75-35-4	1,1-Dichloroethene	5	UG/L	31	190										5 U
540-59-0	1,2-Dichloroethene (Total)	5	UG/L	38000 D	230000 D	320	4 J	1300	9500 D	32	16000 D	13000 D	1600		5 U
127-18-4	Tetrachloroethene	5	UG/L	700 D	140										5 U
71-55-6	1,1,1-Trichloroethane	5	UG/L	5 U	10 U	8.4 J	5 U	50 U	5 U	25 U	5 U	5 U	50 U		5 U
79-01-6	Trichloroethene	5	UG/L	39000 D	86000 D	4.8 J	1.4 J	27 J	160 DJ	25 U	300 DJ	290 DJ	140		5 U
75-01-4	Vinyl chloride	2	UG/L	2500 D	5000 D										5 U
1863-63-	Benzoic acid	NS	UG/L	120	6700 E										
95-48-7	2-Methylphenol	1	UG/L	10 U	190										
106-44-5	4-Methylphenol	1	UG/L	10 U	87										
108-95-2	Phenol	1	UG/L	2800 D	34000 D	33 U	14	250 D	4 J	7 J	88	22	10 U		
7439-92-	Lead - Total	25	UG/L	10 U	24	200	10 U	210	10 U	18	11	81	11		
7441-66-	Zinc - Total	2000 (G)	UG/L	26 U	130	1300	26 U	1400	26 U	110	26 U	230	48		

"ND"= Compound was analyzed for, but not detected


"J"= Indicates an estimated value

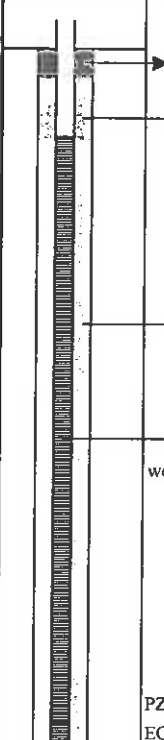
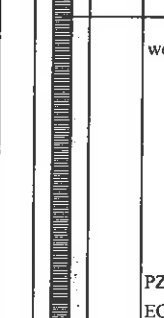

"E"= Concentration exceeded the calibration range

"D"= Compound was identified in an analysis at the secondary dilution factor

**APPENDIX A
SOIL BORING LOGS**

Contractor: Zebra Environmental Corp.		PARSONS ENGINEERING-SCIENCE DRILLING RECORD		BORING NO. <u>SP-1</u>	
Driller: Chris Donovan				PROJECT NAME <u>EkonoI Polyester Resins Facility</u>	
Inspector: Andy Janik		PROJECT NUMBER <u>737515</u>		Location: X= Boring SP-1	
Rig Type: Geoprobe					
Method: Direct push					

GROUNDWATER OBSERVATIONS		Weather <u>Snow, 30 Degrees</u>	
Date		Date/Time Start	<u>11/20/00 0920</u>
Time		Date/Time Finish	<u>11/20/00 0950</u>
Depth		Former UST 	

Photovac Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL	WELL DIAGRAM	COMMENTS
	SS1	0	4.0'		Brown, gray, Silty Clay, some medium to fine Gravel, moist		
		1					
		2					
		3					
3.9 ppm		4					
	SS2	5	4.0'		Brown, CLAY, some gray Silt		
		6					
		7					
246 ppm		8					
	SS3	9	4.0'		Wet/moist, brown, CLAY, some gray Silt, plastic odor		
		10					
		11					
275 ppm		12					
	13						
	14						
	15						
	16						
	17						
	18						
	19						

STANDARD PENETRATION	SUMMARY:	<u>1.5" Temporary monitoring well installed.</u>
SS = SPLIT SPOON		
EOB=END OF BORING		
PZ= PIEZOMETER		

Contractor: Zebra Environmental Corp.					DRILLING RECORD		BORING NO. SP-2	
Driller: Chris Donovan					PROJECT NAME konol Polyester Resins facility		Sheet 1 of 1	
Inspector: Andy Janik					PROJECT NUMBER 737515		Location: X= Boring SP-2	
Rig Type: Geoprobe					Weather Snow, 30 Degrees		Date/Time Start 11/20/00 1000	
Method: Direct push					Date/Time Finish 11/20/00 1035		Former UST	
GROUNDWATER OBSERVATIONS					FIELD IDENTIFICATION OF MATERIAL		WELL DIAGRAM	
Date	Time	Depth	Phintovac Reading	Sample L.D.	Sample Depth	Percent Recovery	SPT	COMMENTS
		0						
		1		SS1	4.0'			Brown, CLAY, some medium Gravel, bits of concrete
		2						
		3						
		4	7.0 ppm					
		5		SS2	4.0'			Moist, brown, CLAY, some fine Gravel
		6						
		7						
		8	149 ppm					
		9		SS3	4.0'			Moist, brown, CLAY, some gray Silt, some fine Gravel
		10						
		11						
		12	213 ppm					
		13						
		14						
		15						
		16						
		17						
		18						
		19						

STANDARD PENETRATION	SUMMARY:	1.5" Temporary monitoring well installed.
SS = SPLIT SPOON		
EOB=END OF BORING		
PZ= PIEZOMETER		

PARSONS ENGINEERING-SCIENCE DRILLING RECORD					BORING NO. <u>SP-3</u>		
Contractor: <u>Zebra Environmental Corp.</u>					PROJECT NAME <u>Ekonal Polyester Resins Facility</u>		
Driller: <u>Chris Donovan</u>					PROJECT NUMBER <u>737515</u>		
Inspector: <u>Andy Junik</u>					Sheet <u>1</u> of <u>1</u>		
Rig Type: <u>Geoprobe</u>					Location: <u>X= Boring SP-3</u>		
Method: <u>Direct push</u>					Weather <u>Snow, 30 Degrees</u>		
Date/Time Start <u>11/20/00 1045</u>							
Date/Time Finish <u>11/20/00 1100</u>							
GROUNDWATER OBSERVATIONS					FIELD IDENTIFICATION OF MATERIAL	WELL DIAGRAM	COMMENTS
Date	Time	Depth	Photovac Reading	SPT			
		0			Moist, brown, CLAY, some fine Gravel		
		1					
		2					
		3					
		4	4.9 ppm				
		5			Wet, brown, CLAY, some fine Gravel		
		6					
		7					
		8	4.6 ppm				
		9			Wet, brown, CLAY		
		10					
		11					
		12	4.5 ppm				
		13					
		14					
		15					
		16					
		17					
		18					
		19					

STANDARD PENETRATION
SS = SPLIT SPOON
EOB=END OF BORING
PZ= PIEZOMETER

SUMMARY: 1" Temporary monitoring well installed.

PARSONS ENGINEERING-SCIENCE DRILLING RECORD					BORING NO. SP-4	
Contractor: Zebra Environmental Corp.					PROJECT NAME konol Polyester Resins Facility	
Driller: Chris Donovan					PROJECT NUMBER 737515	
Inspector: Andy Janik					Sheet 1 of 1	
Rig Type: Geoprobe					Location: X= Boring SP-4	
Method: Direct push					Weather Snow, 30 Degrees	
GROUNDWATER OBSERVATIONS					Date/Time Start 11/20/00 1130	
Date					Date/Time Finish 11/20/00 1145	
Time					Former UST	
Depth					FIELD IDENTIFICATION OF MATERIAL	
Photovac Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	WELL DIAGRAM	COMMENTS
		0				
	SS1	1	4.0'			Bentonite well seal
		2				1.5" SCH 40 PVC well riser
4.5 ppm		3				
		4				
		5				Sand
	SS2	6	4.0'			
		7				1.5" SCH 40 PVC well screen, 0.010" slot
4.9 ppm		8				
		9				
	SS3	10	4.0'			
		11				PZ installed at 12' EOB at 12'
4.6 ppm		12				
		13				
		14				
		15				
		16				
		17				
		18				
		19				
STANDARD PENETRATION					SUMMARY: 1.5" Temporary monitoring well installed.	
SS = SPLIT SPOON						
EOB=END OF BORING						
PZ= PIEZOMETER						

PARSONS ENGINEERING-SCIENCE DRILLING RECORD					BORING NO. SP-6					
Contractor: Zebra Environmental Corp.					Sheet 1 of 1					
Driller: Chris Donovan										
Inspector: Andy Janik										
Rig Type: Geoprobe										
Method: Direct push					Location: X= Boring SP-6					
Weather: Snow, 30 Degrees					<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> <p style="text-align: center;">X</p> <p style="text-align: center;">Former UST</p>					
Date/Time Start: 11/20/00 1400										
Date/Time Finish: 11/20/00 1415										
GROUNDWATER OBSERVATIONS					FIELD IDENTIFICATION OF MATERIAL	WELL DIAGRAM	COMMENTS			
Date	Time	Depth	Photocase Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT			
		0		SS1	4.0'			Brown, CLAY, some gray Silt		Bentonite well seal 1.5" SCH 40 PVC well riser
		1								
		2								
		3								
		4	6.4 ppm							
		5		SS2	4.0'			Brown, CLAY, some gray Silt, moist		Sand 1.5" SCH 40 PVC well screen, 0.010" slot
		6								
		7								
		8	6.9 ppm							
		9		SS3	4.0'			Brown, CLAY, some fine Sand, moist		PZ installed at 12' EOB at 12'
		10								
		11								
		12	21.5 ppm							
		13								
		14								
		15								
		16								
		17								
		18								
		19								
STANDARD PENETRATION SS = SPLIT SPOON EOB=END OF BORING PZ= PIEZOMETER					SUMMARY: 1.5" Temporary monitoring well installed.					

PARSONS ENGINEERING-SCIENCE DRILLING RECORD					BORING NO. <u>SP-7</u>	
Contractor: <u>Zebra Environmental Corp.</u>					PROJECT NAME <u>Ekonal Polyester Resins Facility</u>	
Driller: <u>Chris Donovan</u>					PROJECT NUMBER <u>737515</u>	
Inspector: <u>Andy Janik</u>					Location: <u>X= Boring SP-7</u>	
Rig Type: <u>Geoprobe</u>					Weather <u>Snow, 30 Degrees</u>	
Method: <u>Direct push</u>					Date/Time Start <u>11/20/00 1430</u>	
Date					Date/Time Finish <u>11/20/00 1515</u>	
Time					Former UST <input checked="" type="checkbox"/>	
Depth					FIELD IDENTIFICATION OF MATERIAL	
GROUNDWATER OBSERVATIONS					WELL DIAGRAM	
Date					COMMENTS	
Time						
Depth						
Photovac Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT		
		0				
	SS1	1	4.0'			
		2				
		3				
3.9 ppm		4				
		5				
	SS2	6	4.0'			
		7				
4.7 ppm		8				
		9				
	SS3	10	4.0'			
		11				
5.2 ppm		12				
		13				
		14				
		15				
		16				
		17				
		18				
		19				
STANDARD PENETRATION SUMMARY:					1.5" Temporary monitoring well installed.	
SS = SPLIT SPOON						
EOB=END OF BORING						
PZ= PIEZOMETER						


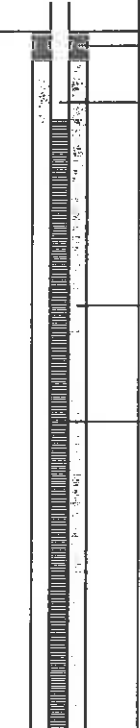
PARSONS ENGINEERING-SCIENCE DRILLING RECORD					BORING NO. SP-8		
Contractor: Zebra Environmental Corp.					PROJECT NAME konol Polyester Resins Facility		
Driller: Chris Donovan					PROJECT NUMBER 737515		
Inspector: Andy Janik					Sheet 1 of 1		
Rig Type: Geoprobe					Location: X= Boring SP-8		
Method: Direct push					Weather Snow, 30 Degrees		
GROUNDWATER OBSERVATIONS					Date/Time Start 11/20/00 1520		
Date					Date/Time Finish 11/20/00 1544		
Time					X Former UST		
Depth					FIELD IDENTIFICATION OF MATERIAL		
Photovac Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	WELL DIAGRAM	COMMENTS	
		0					
	SS1	1	4.0'			Bentonite well seal	
		2				1.5" SCH 40 PVC well riser	
		3					
2.8 ppm		4				Black/brown, CLAY	
	SS2	5	4.0'			Sand	
		6					
		7				Brown, CLAY	
2.4 ppm		8					1.5" SCH 40 PVC well screen, 0.010" slot
	SS3	9	4.0'				
		10				Moist, brown, CLAY	
		11					
3.8 ppm		12					PZ installed at 12' EOB at 12'
		13					
		14					
		15					
		16					
		17					
		18					
		19					
STANDARD PENETRATION					SUMMARY: 1.5" Temporary monitoring well installed.		
SS = SPLIT SPOON							
EOB=END OF BORING							
PZ= PIEZOMETER							

Contractor: Zebra Environmental Corp.		PARSONS ENGINEERING-SCIENCE DRILLING RECORD		BORING NO. SP-9	
Driller: Chris Donovan				Sheet 1 of 1	
Inspector: Andy Janik		PROJECT NAME Ekonol Polyester Resins Facility			
Rig Type: Geoprobe		PROJECT NUMBER 737515			
Method: Direct push				Location: X= Boring SP-9	

GROUNDWATER OBSERVATIONS		Weather Snow, 30 Degrees			
Date		Date/Time Start 11/20/00 1550			
Time		Date/Time Finish 11/20/00 1620			
Depth					

Photocore Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL	WELL DIAGRAM	COMMENTS
	SS1	0			Moist, brown, gray, CLAY		
		1					
		2					
		3					
1.9 ppm		4					
	SS2	5			Wet, red, brown, CLAY, some medium Gravel		
		6					
		7					
2.7 ppm		8					
	SS3	9			Wet, brown, CLAY, some coarse Gravel		
		10					
		11					
2.1 ppm		12					
		13					PZ installed at 13'
		14					EOB at 13'
		15					
		16					
		17					
		18					
		19					

STANDARD PENETRATION	SUMMARY:	1.5" Temporary monitoring well installed.
SS = SPLIT SPOON		
EOB=END OF BORING		
PZ= PIEZOMETER		

PARSONS ENGINEERING-SCIENCE DRILLING RECORD					BORING NO. SP-10																																																																																																														
Contractor: <u>Zebra Environmental Corp.</u>					PROJECT NAME <u>konol Polyester Resins Facility</u> PROJECT NUMBER <u>737515</u>																																																																																																														
Driller: <u>Chris Donovan</u>																																																																																																																			
Inspector: <u>Andy Janik</u>																																																																																																																			
Rig Type: <u>Geoprobe</u>																																																																																																																			
Method: <u>Direct push</u>					Sheet <u>1</u> of <u>1</u>																																																																																																														
Weather <u>Sun, Clouds 28 Degrees</u>					Location: <u>X= Boring SP-10</u>																																																																																																														
Date/Time Start <u>11/22/00 0830</u>					X 																																																																																																														
Date/Time Finish <u>11/22/00 0920</u>																																																																																																																			
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">GROUNDWATER</th> <th colspan="3">OBSERVATIONS</th> </tr> <tr> <th>Date</th> <th></th> <th></th> <th></th> <th></th> </tr> <tr> <th>Time</th> <th></th> <th></th> <th></th> <th></th> </tr> <tr> <th>Depth</th> <th></th> <th></th> <th></th> <th></th> </tr> <tr> <th>Photovac Reading</th> <th>Sample ID</th> <th>Sample Depth</th> <th>Percent Recovery</th> <th>SPT</th> </tr> </thead> <tbody> <tr><td></td><td></td><td>0</td><td></td><td></td></tr> <tr><td></td><td rowspan="4">SS1</td><td>1</td><td rowspan="4">4.0'</td><td></td></tr> <tr><td></td><td>2</td><td></td></tr> <tr><td></td><td>3</td><td></td></tr> <tr><td>2.1 ppm</td><td>4</td><td></td></tr> <tr><td></td><td></td><td>5</td><td></td><td></td></tr> <tr><td></td><td rowspan="3">SS2</td><td>6</td><td rowspan="3">4.0'</td><td></td></tr> <tr><td></td><td>7</td><td></td></tr> <tr><td>1.9 ppm</td><td>8</td><td></td></tr> <tr><td></td><td></td><td>9</td><td></td><td></td></tr> <tr><td></td><td rowspan="3">SS3</td><td>10</td><td rowspan="3">4.0'</td><td></td></tr> <tr><td></td><td>11</td><td></td></tr> <tr><td>3.2 ppm</td><td>12</td><td></td></tr> <tr><td></td><td></td><td>13</td><td></td><td></td></tr> <tr><td></td><td></td><td>14</td><td></td><td></td></tr> <tr><td></td><td></td><td>15</td><td></td><td></td></tr> <tr><td></td><td></td><td>16</td><td></td><td></td></tr> <tr><td></td><td></td><td>17</td><td></td><td></td></tr> <tr><td></td><td></td><td>18</td><td></td><td></td></tr> <tr><td></td><td></td><td>19</td><td></td><td></td></tr> </tbody> </table>						GROUNDWATER		OBSERVATIONS			Date					Time					Depth					Photovac Reading	Sample ID	Sample Depth	Percent Recovery	SPT			0				SS1	1	4.0'			2			3		2.1 ppm	4				5				SS2	6	4.0'			7		1.9 ppm	8				9				SS3	10	4.0'			11		3.2 ppm	12				13					14					15					16					17					18					19	
GROUNDWATER		OBSERVATIONS																																																																																																																	
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Red, brown, CLAY, some fine Gravel, moist																																																																																																																			
Red, brown, CLAY, some medium Gravel, moist/wet																																																																																																																			
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">STANDARD PENETRATION</td> <td colspan="3">SUMMARY: <u>1.5" Temporary monitoring well installed.</u></td> </tr> <tr> <td colspan="2">SS = SPLIT SPOON</td> <td colspan="3"></td> </tr> <tr> <td colspan="2">EOB=END OF BORING</td> <td colspan="3"></td> </tr> <tr> <td colspan="2">PZ= PIEZOMETER</td> <td colspan="3"></td> </tr> </table>					STANDARD PENETRATION		SUMMARY: <u>1.5" Temporary monitoring well installed.</u>			SS = SPLIT SPOON					EOB=END OF BORING					PZ= PIEZOMETER																																																																																															
STANDARD PENETRATION		SUMMARY: <u>1.5" Temporary monitoring well installed.</u>																																																																																																																	
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PARSONS ENGINEERING-SCIENCE DRILLING RECORD					BORING NO. SP-11	
Contractor: Zebra Environmental Corp.					PROJECT NAME Ekonol Polyester Resins Facility	
Driller: Chris Donovan					PROJECT NUMBER 737515	
Inspector: Andy Janik					Sheet 1 of 1	
Rlg Type: Geoprobe					Location: X= Boring SP-11	
Method: Direct push					Weather Sun, Clouds 28 Degrees	
GROUNDWATER OBSERVATIONS					Date/Time Start 11/22/00 0920	
Date					Date/Time Finish 11/22/00 0950	
Time					Former UST X	
Depth					FIELD IDENTIFICATION OF MATERIAL	
Photovac Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	WELL DIAGRAM	COMMENTS
		0				
	SS1	1	4.0'			Bentonite well seal
		2				1.5" SCH 40 PVC well riser
2.0 ppm		3				
		4				
		5				
	SS2	6	4.0'			Sand
		7				
5.2 ppm		8				1.5" SCH 40 PVC well screen, 0.010" slot
		9				
	SS3	10	4.0'			
		11				
8.6 ppm		12				PZ installed at 12' EOB at 12'
		13				
		14				
		15				
		16				
		17				
		18				
		19				
STANDARD PENETRATION					SUMMARY: 1.5" Temporary monitoring well installed.	
SS = SPLIT SPOON						
EOB=END OF BORING						
PZ= PIEZOMETER						

PARSONS ENGINEERING-SCIENCE DRILLING RECORD		BORING NO. SP-12
Contractor: Zebra Environmental Corp. Driller: Chris Donovan Inspector: Andy Janik Rig Type: Geoprobe Method: Direct push	PROJECT NAME Ekonol Polyester Resins Facility PROJECT NUMBER 737515	Sheet I of I Location: X= Boring SP-12

GROUNDWATER OBSERVATIONS Date Time Depth	Weather Sun, Clouds 28 Degrees Date/Time Start 11/22/00 0950 Date/Time Finish 11/22/00 1015	
--	--	--

Photovac Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL	WELL DIAGRAM	COMMENTS	
		0			Red, brown, gray, CLAY			
	SS1	1	4.0'					
		2						
		3						
1.7 ppm		4						
	SS2	5	4.0'		Red, brown, CLAY			
		6						
		7						
1.8 ppm		8						
	SS3	9	4.0'		Moist, brown, CLAY			
		10						
		11						
2.3 ppm		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						

STANDARD PENETRATION SS = SPLIT SPOON EOB=END OF BORING PZ= PIEZOMETER	SUMMARY: 1.5' Temporary monitoring well installed.
--	---

PARSONS ENGINEERING-SCIENCE DRILLING RECORD					BORING NO. SP-16		
Contractor: Zebra Environmental Corp.					PROJECT NAME EkonoI Polyester Resins Facility		
Driller: Chris Donovan					PROJECT NUMBER 737515		
Inspector: Andy Janik					Sheet 1 of 1		
Rig Type: Geoprobe					Location: X= Boring SP-16		
Method: Direct push					Weather Sun, Clouds 28 Degrees		
GROUNDWATER OBSERVATIONS					Date/Time Start 11/22/00 1100		
Date					Date/Time Finish 11/22/00 1120		
Time					Former UST <input checked="" type="checkbox"/>		
Depth					FIELD IDENTIFICATION OF MATERIAL		
Photovac Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	WELL DIAGRAM	COMMENTS	
		0					
	SS1	1					
		2					
		3	6.0'				Coarse Gravel and concrete, some brown, Clay
		4					
		5					
1.9 ppm		6					
	SS2	7					
		8					
		9					
		10	6.0'			Moist, brown, CLAY, some coarse Gravel	
		11					
		12					
35.6 ppm	13					PZ installed at 13' EOB at 13'	
		14					
		15					
		16					
		17					
		18					
		19					
STANDARD PENETRATION					SUMMARY: 1" Temporary monitoring well installed.		
SS = SPLIT SPOON							
EOB=END OF BORING							
PZ= PIEZOMETER							

WELL SAMPLING RECORD

Site Name Ekono! Polyester Resins Facility Well SP-2
 Samplers Andy Janik Date 11/27/00
 Time 1535

Total Well Depth (TOC) 13.9 feet
 Initial Static Water Level (TOC) 8.97 feet
 Well Diameter (inches) 1.5

Purging Data

Method Peristaltic Pump

Water Volume = (Total Depth of Well - Depth To Water) x Casing Volume per Foot
 = 13.9 - 8.97 x 0.092
 = 0.5 gallons

Casing Volumes (gal/ft.):					
1-inch	0.041	2-inch	0.16	4-inch	0.64
1.5-inch	0.092	3-inch	0.36	6-inch	1.4

Volume of Water Removed 0.5 (dry) gallons

Sampling Data

Method Peristaltic Pump

Parameters	Bottle	Pres.	Method
TCL VOCs	2-40 ml vials	HCl	8260
TCL SVOCs	2-amber L	-	8270
Pb & Zn	1-8oz. Plast.	HNO ₃	6010

Field Parameters

pH 6.31
 Temp. (F) 54.3
 Spec. Cond. (uS/cm) 2.29(x1000)
 Turbidity (NTU) -

Comments: Water is tan in color, turbid, slow recharge.

WELL SAMPLING RECORD

Site Name Ekonol Polyester Resins Facility Well SP-3
 Samplers Andy Janik Date 11/27/00
 Time 1525

Total Well Depth (TOC) 8.3 feet
 Initial Static Water Level (TOC) 2.72 feet
 Well Diameter (inches) 1.0

Purging Data

Method Peristaltic Pump

Water Volume = (Total Depth of Well - Depth To Water) x Casing Volume per Foot
 = 8.3 - 2.72 x 0.041
 = 0.2 gallons

Casing Volumes (gal/ft.):					
1-inch	0.041	2-inch	0.16	4-inch	0.64
1.5-inch	0.092	3-inch	0.36	6-inch	1.4

Volume of Water Removed 0.25 (dry) gallons

Sampling Data

Method Peristaltic Pump

Parameters	Bottle	Pres.	Method
<i>tce; 1,2-dce; 1,1-dca;</i> <i>1,1,1-tca</i>	<i>2-40ml vials</i>	<i>HCl</i>	<i>8260</i>
<i>aniline; phenol</i>	<i>2- amber L</i>	<i>-</i>	<i>8270</i>
<i>Pb & Zn</i>	<i>1-8oz Plast.</i>	<i>HNO₃</i>	<i>6010</i>

Field Parameters

pH 6.54
 Temp. (F) 50.3
 Spec. Cond. (uS/cm) 1.41(x1000)
 Turbidity (NTU) -

Comments: Water is tan in color, turbid, slow recharge.

WELL SAMPLING RECORD

Site Name EkonoI Polyester Resins Facility Well SP-5
Samplers Andy Janik Date 11/27/00
Time 1510

Total Well Depth (TOC) 10.8 feet
Initial Static Water Level (TOC) 0 feet
Well Diameter (Inches) 1.0

Purging Data

Method Peristaltic Pump

Water Volume = (Total Depth of Well - Depth To Water) x Casing Volume per Foot
= 10.8 - 0 x 0.041
= 0.4 gallons

Casing Volumes (gal/ft.):					
1-inch	0.041	2-inch	0.16	4-inch	0.64
1.5-inch	0.092	3-inch	0.36	6-inch	1.4

Volume of Water Removed 0.5 (dry) gallons

Sampling Data

Method Peristaltic Pump

Parameters	Bottle	Pres.	Method
<u>tce; 1,2-dce; 1,1-dca;</u> <u>1,1,1-tca</u>	<u>2-40ml vials</u>	<u>HCl</u>	<u>8260</u>
<u>aniline; phenol</u>	<u>2- amber L</u>	<u>-</u>	<u>8270</u>
<u>Pb & Zn</u>	<u>1-8oz Plast.</u>	<u>HNO₃</u>	<u>6010</u>

Field Parameters

pH 6.26
Temp. (F) 51.3
Spec. Cond. (uS/cm) 1.39(x1000)
Turbidity (NTU) -

Comments: Water is tan in color, turbid, slow recharge.

WELL SAMPLING RECORD

Site Name Ekonor Polyester Resins Facility Well SP-6
 Samplers Andy Janik Date 11/27/00
 Time 1315

Total Well Depth (TOC) 12.2 feet
 Initial Static Water Level (TOC) 7.34 feet
 Well Diameter (inches) 1.5

Purging Data

Method Peristaltic Pump

Water Volume = (Total Depth of Well - Depth To Water) x Casing Volume per Foot
 = 12.2 - 7.34 x 0.092
 = 0.4 gallons

Casing Volumes (gal/ft.):					
1-inch	0.041	2-inch	0.16	4-inch	0.64
1.5-inch	0.092	3-inch	0.36	6-inch	1.4

Volume of Water Removed 0.5 (dry) gallons

Sampling Data

Method Peristaltic Pump

Parameters	Bottle	Pres.	Method
<i>tce; 1,2-dce; 1,1-dca;</i> <i>1,1,1-tca</i>	<i>2-40ml vials</i>	<i>HCl</i>	<i>8260</i>
<i>aniline; phenol</i>	<i>2- amber L</i>	<i>-</i>	<i>8270</i>
<i>Pb & Zn</i>	<i>1-8oz Plast.</i>	<i>HNO₃</i>	<i>6010</i>

Field Parameters

pH 7.04
 Temp. (F) 54.6
 Spec. Cond. (uS/cm) 1.30(x1000)
 Turbidity (NTU) -

Comments: Water is tan in color, turbid, slow recharge.

WELL SAMPLING RECORD

Site Name Ekonol Polyester Resins Facility Well SP-7

Samplers Andy Janik Date 11/27/00
Time 1435

Total Well Depth (TOC) 12.9 feet
Initial Static Water Level (TOC) 1.89 feet
Well Diameter (inches) 1.5

Purging Data

Method Peristaltic Pump

Water Volume = (Total Depth of Well - Depth To Water) x Casing Volume per Foot
 = 12.9 - 1.89 x 0.092
 = 1.0 gallons

Casing Volumes (gal/ft.):					
1-inch	0.041	2-inch	0.16	4-inch	0.64
1.5-inch	0.092	3-inch	0.36	6-inch	1.4

Volume of Water Removed 0.9 (dry) gallons

Sampling Data

Method Peristaltic Pump

Parameters	Bottle	Pres.	Method
<i>tce; 1,2-dce; 1,1-dca;</i>	<i>2-40ml vials</i>	<i>HCl</i>	<i>8260</i>
<i>1,1,1-tca</i>			
<i>aniline; phenol</i>	<i>2- amber L</i>	<i>-</i>	<i>8270</i>
<i>Pb & Zn</i>	<i>1-8oz Plast.</i>	<i>HNO₃</i>	<i>6010</i>

Field Parameters

pH 7.11
Temp. (F) 50.1
Spec. Cond. (uS/cm) 2.79(x1000)
Turbidity (NTU) -

Comments: Water is clear, slow recharge.

WELL SAMPLING RECORD

Site Name Ekono Polyester Resins Facility Well SP-11

Samplers Andy Janik Date 11/27/00
Time 1330

Total Well Depth (TOC) 12.9 feet
Initial Static Water Level (TOC) 5.57 feet
Well Diameter (inches) 1.5

Purging Data

Method Peristaltic Pump

Water Volume = (Total Depth of Well - Depth To Water) x Casing Volume per Foot
 = 12.9 - 5.57 x 0.092
 = 1.1 gallons

Casing Volumes (gal/ft.):					
1-inch	0.041	2-inch	0.16	4-inch	0.64
1.5-inch	0.092	3-inch	0.36	6-inch	1.4

Volume of Water Removed 0.7 (dry) gallons

Sampling Data

Method Peristaltic Pump

Parameters	Bottle	Pres.	Method
<u>tce; 1,2-dce; 1,1-dca;</u>	<u>2-40ml vials</u>	<u>HCl</u>	<u>8260</u>
<u>1,1,1-tca</u>			
<u>aniline; phenol</u>	<u>2- amber L</u>	<u>-</u>	<u>8270</u>
<u>Pb & Zn</u>	<u>1-8oz Plast.</u>	<u>HNO₃</u>	<u>6010</u>

Field Parameters

pH 6.95
Temp. (F) 50.9
Spec. Cond. (uS/cm) 0.99(x1000)
Turbidity (NTU) -

Comments: Water is tan in color, slow recharge.

WELL SAMPLING RECORD

Site Name EkonoI Polyester Resins Facility Well SP-16

Samplers Andy Janik Date 11/27/00
Time 1420

Total Well Depth (TOC) 13.8 feet
Initial Static Water Level (TOC) 9.29 feet
Well Diameter (inches) 1.0

Purging Data

Method Peristaltic Pump

Water Volume = (Total Depth of Well - Depth To Water) x Casing Volume per Foot
 = 13.8 - 9.29 x 0.041
 = 0.1 gallons

Casing Volumes (gal/ft.):					
1-inch	0.041	2-inch	0.16	4-inch	0.64
1.5-inch	0.092	3-inch	0.36	6-inch	1.4

Volume of Water Removed 1.0 (dry) gallons

Sampling Data

Method Peristaltic Pump

Parameters	Bottle	Pres.	Method
<u>tce; 1,2-dce; 1,1-dca;</u>	<u>2-40ml vials</u>	<u>HCl</u>	<u>8260</u>
<u>1,1,1-tca</u>			
<u>aniline; phenol</u>	<u>2- amber L</u>	<u>-</u>	<u>8270</u>
<u>Pb & Zn</u>	<u>1-8oz Plast.</u>	<u>HNO₃</u>	<u>6010</u>

Field Parameters

pH 6.44
Temp. (F) 53.5
Spec. Cond. (uS/cm) 0.95(x1000)
Turbidity (NTU) -

Comments: Water is tan in color, slow recharge.

WELL SAMPLING RECORD

Site Name Ekono1 Polyester Resins Facility

Well SP-20
(*Standpipe*)

Samplers Andy Janik

Date 11/28/00
Time 1025

Total Well Depth (TOC) 15.4 feet
Initial Static Water Level (TOC) 11.14 feet
Well Diameter (inches) 4.0

Purging Data

Method Peristaltic Pump

Water Volume = (Total Depth of Well - Depth To Water) x Casing Volume per Foot
 = 15.4 - 11.14 x 0.64
 = 2.7 gallons

Casing Volumes (gal/ft.):					
1-inch	0.041	2-inch	0.16	4-inch	0.64
1.5-inch	0.092	3-inch	0.36	6-inch	1.4

Volume of Water Removed 2 gallons

Sampling Data

Method Peristaltic Pump

Parameters	Bottle	Pres.	Method
<i>tce; 1,2-dce; 1,1-dca;</i> <i>1,1,1-tca</i>	<i>2-40ml vials</i>	<i>HCl</i>	<i>8260</i>
<i>aniline; phenol</i>	<i>2- amber L</i>	<i>-</i>	<i>8270</i>
<i>Pb & Zn</i>	<i>1-8oz Plast.</i>	<i>HNO₃</i>	<i>6010</i>

Field Parameters

pH 6.33
Temp. (F) 49.3
Spec. Cond. (uS/cm) 1.04(x1000)
Turbidity (NTU) -

Comments: Water is clear.

**2ND ROUND OF GROUNDWATER SAMPLING
12/27/00**

WELL SAMPLING RECORD

Site Name EkonoI Polyester Resins Facility Well SP-2

Samplers Andy Janik Date 12/27/00
Time 1100

Total Well Depth (TOC) 13.9 feet
Initial Static Water Level (TOC) 7.87 feet
Well Diameter (Inches) 1.5

Purging Data

Method Peristaltic Pump

Water Volume = (Total Depth of Well - Depth To Water) x Casing Volume per Foot
 = 13.9 - 7.87 x 0.092
 = 0.6 gallons

Casing Volumes (gal/ft.):					
1-inch	0.041	2-inch	0.16	4-inch	0.64
1.5-inch	0.092	3-inch	0.36	6-inch	1.4

Volume of Water Removed 0.8 (dry) gallons

Sampling Data

Method Peristaltic Pump

Parameters	Bottle	Pres.	Method
TCL VOCs	2-40 ml vials	HCl	8260
TCL SVOCs	2-amber L	-	8270
Pb & Zn	1-8oz. Plast.	HNO ₃	6010

Field Parameters

pH 7.51
Temp. (F) 48.1
Spec. Cond. (uS/cm) 2.03(x1000)
Turbidity (NTU) -

Comments: Water is tan in color, slow recharge.

WELL SAMPLING RECORD

Site Name EkonoI Polyester Resins Facility Well SP-5
 Samplers Andy Janik Date 12/27/00
 Time 1130

Total Well Depth (TOC) 12.2 feet
 Initial Static Water Level (TOC) 6.28 feet
 Well Diameter (inches) 1.0

Purging Data

Method Peristaltic Pump

Water Volume = (Total Depth of Well - Depth To Water) x Casing Volume per Foot
 = 12.2 - 6.28 x 0.041
 = 0.2 gallons

Casing Volumes (gal/ft.):					
1-inch	0.041	2-inch	0.16	4-inch	0.64
1.5-inch	0.092	3-inch	0.36	6-inch	1.4

Volume of Water Removed 0.5 (dry) gallons

Sampling Data

Method Peristaltic Pump

Parameters	Bottle	Pres.	Method
<i>tce; 1,2-dce; 1,1-dca;</i>	<i>2-40ml vials</i>	<i>HCl</i>	<i>8260</i>
<i>1,1,1-tca</i>			
<i>aniline; phenol</i>	<i>2- amber L</i>	<i>-</i>	<i>8270</i>
<i>Pb & Zn</i>	<i>1-8oz Plast.</i>	<i>HNO₃</i>	<i>6010</i>

Field Parameters

pH 7.58
 Temp. (F) 48.5
 Spec. Cond. (uS/cm) 19.82(x1000)
 Turbidity (NTU) -

Comments: Water is brown in color, turbid, slow recharge.

WELL SAMPLING RECORD

Site Name EkonoI Polyester Resins Facility Well SP-6

Samplers Andy Janik Date 12/27/00
Time 1245

Total Well Depth (TOC) 12.2 feet
Initial Static Water Level (TOC) 8.1 feet
Well Diameter (inches) 1.5

Purging Data

Method Peristaltic Pump

Water Volume = (Total Depth of Well - Depth To Water) x Casing Volume per Foot
= 12.2 - 8.1 x 0.092
= 0.4 gallons

Casing Volumes (gal/ft.):					
1-inch	0.041	2-inch	0.16	4-inch	0.64
1.5-inch	0.092	3-inch	0.36	6-inch	1.4

Volume of Water Removed 1.0 (dry) gallons

Sampling Data

Method Peristaltic Pump

Parameters	Bottle	Pres.	Method
<u>tce; 1,2-dce; 1,1-dca;</u>	<u>2-40ml vials</u>	<u>HCl</u>	<u>8260</u>
<u>1,1,1-tca</u>			

<u>aniline; phenol</u>	<u>2- amber L</u>	<u>-</u>	<u>8270</u>
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<u>Pb & Zn</u>	<u>1-8oz Plast.</u>	<u>HNO₃</u>	<u>6010</u>
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Field Parameters

pH	<u>7</u>
Temp. (F)	<u>51.4</u>
Spec. Cond. (uS/cm)	<u>NR</u>
Turbidity (NTU)	<u>-</u>

Comments: Water is clear, slow recharge.

NR= No Reading

WELL SAMPLING RECORD

Site Name EkonoI Polyester Resins Facility Well SP-7

Samplers Andy Janik Date 12/27/00
Time 1315

Total Well Depth (TOC) 13.0 feet
Initial Static Water Level (TOC) 5.93 feet
Well Diameter (inches) 1.5

Purging Data

Method Peristaltic Pump

Water Volume = (Total Depth of Well - Depth To Water) x Casing Volume per Foot

$$= \frac{13.0 - 5.93}{1} \times 0.092$$

$$= 0.6 \text{ gallons}$$

Casing Volumes (gal/ft.):					
1-inch	0.041	2-inch	0.16	4-inch	0.64
1.5-inch	0.092	3-inch	0.36	6-inch	1.4

Volume of Water Removed 1.5 (dry) gallons

Sampling Data

Method Peristaltic Pump

Parameters	Bottle	Pres.	Method
<i>tce; 1,2-dce; 1,1-dca;</i> <i>1,1,1-tca</i>	<i>2-40ml vials</i>	<i>HCl</i>	<i>8260</i>
<i>aniline; phenol</i>	<i>2- amber L</i>	<i>-</i>	<i>8270</i>
<i>Pb & Zn</i>	<i>1-8oz Plast.</i>	<i>HNO₃</i>	<i>6010</i>

Field Parameters

pH 6.99
Temp. (F) 39.2
Spec. Cond. (uS/cm) 8.38(x1000)
Turbidity (NTU) -

Comments: Water is tan in color, turbid, slow recharge.

WELL SAMPLING RECORD

Site Name Ekonor Polyester Resins Facility Well SP-11

Samplers Andy Janik Date 12/27/00
Time 1345

Total Well Depth (TOC) 12.9 feet
Initial Static Water Level (TOC) 7.84 feet
Well Diameter (inches) 1.5

Purging Data

Method Peristaltic Pump

Water Volume = (Total Depth of Well - Depth To Water) x Casing Volume per Foot
= 12.9 - 7.84 x 0.092
= 0.5 gallons

Casing Volumes (gal/ft.):					
1-inch	0.041	2-inch	0.16	4-inch	0.64
1.5-inch	0.092	3-inch	0.36	6-inch	1.4

Volume of Water Removed 1.0 (dry) gallons

Sampling Data

Method Peristaltic Pump

Parameters	Bottle	Pres.	Method
<u>tce; 1,2-dce; 1,1-dca;</u>	<u>2-40ml vials</u>	<u>HCl</u>	<u>8260</u>
<u>1,1,1-tca</u>			
<u>aniline; phenol</u>	<u>2- amber L</u>	<u>-</u>	<u>8270</u>
<u>Pb & Zn</u>	<u>1-8oz Plast.</u>	<u>HNO₃</u>	<u>6010</u>

Field Parameters

pH 7.41
Temp. (F) 54.1
Spec. Cond. (uS/cm) 13.66(x1000)
Turbidity (NTU) _____

Comments: Water is tan in color, turbid, slow recharge.
Duplicate sample taken from this well, 12/28/00

WELL SAMPLING RECORD

Site Name Ekonor Polyester Resins Facility Well SP-12

Samplers Andy Janik Date 12/27/00
Time 1400

Total Well Depth (TOC) 12.7 feet
Initial Static Water Level (TOC) 7.17 feet
Well Diameter (inches) 1.5

Purging Data

Method Peristaltic Pump

Water Volume = (Total Depth of Well - Depth To Water) x Casing Volume per Foot
= 12.7 - 7.17 x 0.092
= 0.5 gallons

Casing Volumes (gal/ft.):					
1-inch	0.041	2-inch	0.16	4-inch	0.64
1.5-inch	0.092	3-inch	0.36	6-inch	1.4

Volume of Water Removed 1.0 (dry) gallons

Sampling Data

Method Peristaltic Pump

Parameters	Bottle	Pres.	Method
<u>tce; 1,2-dce; 1,1-dca; 1,1,1-tca</u>	<u>2-40ml vials</u>	<u>HCl</u>	<u>8260</u>
<u>aniline; phenol</u>	<u>2- amber L</u>	<u>-</u>	<u>8270</u>
<u>Pb & Zn</u>	<u>1-8oz Plast.</u>	<u>HNO₃</u>	<u>6010</u>

Field Parameters

pH 7.25
Temp. (F) 50.3
Spec. Cond. (uS/cm) 9.78(x1000)
Turbidity (NTU) -

Comments: Water is clear, slow recharge.

APPENDIX C
SOIL CHEMICAL ANALYTICAL DATA

Ekonor Polyester Resins Facility - Wheatfield, NY
Soil Analytical Data

Casno	Compound	Sample ID: Lab Sample Id	SP-1 (4'-8')	SP-1 (4'-8')DL	SP-2 (8'-12')	SP-2 (8'-12')DL	SP-3 (4'-8')	SP-3 (4'-8')DL
			A0854401 4-8' STL Buffalo A00-8544 Soil 11/20/00	A0854401DL 4-8' STL Buffalo A00-8544 Soil 11/20/00	A0854402 8-12' STL Buffalo A00-8544 Soil 11/20/00	A0854402DL 8-12' STL Buffalo A00-8544 Soil 11/20/00	A0854403 4-8' STL Buffalo A00-8544 Soil 11/20/00	A0854403DL 4-8' STL Buffalo A00-8544 Soil 11/20/00
75-34-3	VOLATILES							
540-59-0	1,1-Dichloroethane	UG/KG	6 U	1500 U	800 U		12	780 U
71-55-6	1,2-Dichloroethane (Total)	UG/KG	4100 E	860 DJ	1700		1600 E	640 DJ
79-01-6	1,1,1-Trichloroethane	UG/KG	6 U	1500 U	800 U		71	780 U
	Trichloroethane	UG/KG	19000 E	39000 D	19000		1300 E	1100 D
62-53-3	SEMIVOLATILES							
108-95-2	Aniline	UG/KG	130 J	400 U	330 U	860 U	330 U	
	Phenol	UG/KG	12000 E	16000 D	40000 E	49000 D	130 J	
7439-92-1	METALS							
	Lead - Total	MG/KG	9		10.9		6.5 U	
7441-66-6	Zinc - Total	MG/KG	59.8		62.4		16.1	

"U"= Compound was analyzed for, but not detected
 "J"= Indicates an estimated value
 "E"= Concentration exceeded the calibration range
 "D"= Compound was identified in an analysis at the secondary dilution factor

Ekonol Polyester Resins Facility - Wheatfield, NY
Soil Analytical Data

Casno	Compound	Sample ID: Lab Sample Id	SP-4 (4'-8')	SP-4 (4'-8')DL	SP-4 (4'-8')DLX	SP-5 (4'-8')	SP-5 (4'-8')YDL	SP-6 (8'-12')
		Depth: Source: SDG: Matrix: Sampled: Validated: Units:	A0854404 4-8' STL Buffalo A00-8544 Soil 11/20/00	A0854404DL 4-8' STL Buffalo A00-8544 Soil 11/20/00	A0854404K 4-8' STL Buffalo A00-8544 Soil 11/20/00	A0854405 4-8' STL Buffalo A00-8544 Soil 11/20/00	A0854405DL 4-8' STL Buffalo A00-8544 Soil 11/20/00	A0854406 8-12' STL Buffalo A00-8544 Soil 11/20/00
75-34-3	VOLATILES	UG/KG	7 U	32 U	910 U	6 U	750 U	790 U
540-59-0	1,1-Dichloroethane	UG/KG	920 E	810 D	720 DJ	4300 E	1100 DJ	2400
71-55-6	1,1,1-Trichloroethane	UG/KG	7 U	32 U	910 U	6 U	750 U	790 U
79-01-6	Trichloroethane	UG/KG	1300 E	1400 DE	1500 D	1400 E	970 D	2100
62-53-3	SEMIVOLATILES	UG/KG	330 U			330 U		330 U
108-95-2	Aniline	UG/KG	330 U			330 U		330 U
	Phenol	UG/KG						
7439-92-1	METALS	MG/KG	8.4			8.8		9.1
7441-66-6	Lead - Total	MG/KG	49.6			55.1		63.8
	Zinc - Total							

"U"= Compound was analyzed for, but not detected

"J"= Indicates an estimated value

"E"= Concentration exceeded the calibration range

"D"= Compound was identified in an analysis at the secondary dilution factor

Ekonal Polyester Resins Facility - Wheatfield, NY
Soil Analytical Data

Casno	Compound	Sample ID: Lab Sample Id	SP-7 (8'-12') A0854407 8-12' STL Buffalo A00-8544 Soil 11/20/00	SP-11 (8'-12') A0854408 8-12' STL Buffalo A00-8544 Soil 11/22/00	SP-16 (6'-12') A0854409 6-12' STL Buffalo A00-8544 Soil 11/22/00
	VOLATILES	Depth:			
75-34-3	1,1-Dichloroethane	Source:	6 U	760 U	750 U
540-59-0	1,2-Dichloroethane (Total)	SDG:	140	5800	29000
71-55-6	1,1,1-Trichloroethane	Matrix:	6 U	760 U	750 U
79-01-6	Trichloroethane	Sampled:	100	1800	680 J
	SEMIVOLATILES	Validated:			
62-53-3	Aniline	Units:			
108-95-2	Phenol	UG/KG	330 U	330 U	77 J
		UG/KG	330 U	330 U	330 U
	METALS				
7439-92-1	Lead - Total	MG/KG	8.8	13.5	10.2
7441-66-6	Zinc - Total	MG/KG	55.4	57.2	65.9

"U"= Compound was analyzed for, but not detected
 "J"= Indicates an estimated value
 "E"= Concentration exceeded the calibration range
 "D"= Compound was identified in an analysis at the secondary dilution factor

APPENDIX D
GROUNDWATER CHEMICAL ANALYTICAL DATA

Ekonor Polyester Resins Facility Wheatfield, NY
Groundwater Analytical Data Round 1

Casno	Compound	Sample ID: Lab Sample Id	SP-1 A0856303 STL Buffalo A00-8563 Water 11/27/00	SP-1DL A0856303DL STL Buffalo A00-8563 Water 11/27/00	SP-2 A0856309 STL Buffalo A00-8563 Water 11/27/00	SP-2DL A0856309DL STL Buffalo A00-8563 Water 11/27/00	SP-3 A0856308 STL Buffalo A00-8563 Water 11/27/00	SP-4 A0856306 STL Buffalo A00-8563 Water 11/27/00
		Depth: Source: SDG: Matrix: Sampled: Validated: Units:						
	Compound							
	VOLATILES							
67-64-1	Acetone	UG/L	2000 E	2500 D	18000	14000 D		
71-43-2	Benzene	UG/L	5 U	120 U	30 U	1200 U		
75-27-4	Bromodichloromethane	UG/L	5 U	40 U	10 U	1600 U		
75-25-2	Bromoform	UG/L	5 U	40 U	10 U	1600 U		
74-83-9	Bromomethane	UG/L	10 U	160 U	40 U	1600 U		
78-93-3	2-Butanone	UG/L	10 U	400 U	100 U	10000 U		
75-15-0	Carbon Disulfide	UG/L	2.2 J	160 U	40 U	1600 U		
56-23-5	Carbon Tetrachloride	UG/L	5 U	160 U	40 U	1600 U		
108-90-7	Chlorobenzene	UG/L	5 U	160 U	40 U	1600 U		
75-00-3	Chloroethane	UG/L	10 U	160 U	40 U	1600 U		
67-66-3	Chloroform	UG/L	1.4 J	40 U	10 U	1600 U		
74-87-3	Chloromethane	UG/L	10 U	160 U	40 U	1600 U		
124-48-1	Dibromochloromethane	UG/L	5 U	40 U	10 U	1600 U		
75-34-3	1,1-Dichloroethane	UG/L	12	160 U	90	1600 U	320	5 U
107-06-2	1,2-Dichloroethane	UG/L	5 U	40 U	10 U	1600 U		
75-35-4	1,1-Dichloroethene	UG/L	31	160 U	190	1600 U		4 J
540-59-0	1,2-Dichloroethene (Total)	UG/L	3500 E	38000 D	83000 E	230000 D	320	
78-87-5	1,2-Dichloropropane	UG/L	5 U	40 U	10 U	1600 U		
10061-01-5	cis-1,3-Dichloropropene	UG/L	5 U	160 U	40 U	1600 U		
10061-02-6	trans-1,3-Dichloropropene	UG/L	5 U	160 U	40 U	1600 U		
100-41-4	Ethylbenzene	UG/L	5 U	160 U	40 U	1600 U		
591-78-6	2-Hexanone	UG/L	10 U	1000 U	250 U	10000 U		
75-09-2	Methylene chloride	UG/L	5 U	160 U	40 U	1600 U		
108-10-1	4-Methyl-2-pentanone	UG/L	10 U	400 U	100 U	8000 U		
100-42-5	Styrene	UG/L	5 U	160 U	40 U	1600 U		
79-34-5	1,1,2,2-Tetrachloroethane	UG/L	5 U	40 U	10 U	1600 U		
127-18-4	Tetrachloroethene	UG/L	380 E	700 D	140	1600 U		
108-88-3	Toluene	UG/L	5 U	160 U	40 U	1600 U		
71-55-6	1,1,1-Trichloroethane	UG/L	5 U	40 U	10 U	1600 U		
79-00-5	1,1,2-Trichloroethane	UG/L	5 U	160 U	40 U	1600 U		
79-01-6	Trichloroethene	UG/L	3400 E	39000 D	51000 E	86000 D	8.4 J	5 U
108-05-4	Vinyl acetate	UG/L	10 U	160 U	40 U	1600 U		
75-01-4	Vinyl chloride	UG/L	730 E	2500 D	5600	5000 D	4.8 J	1.4 J
1330-20-7	Total Xylenes	UG/L	15 U	160 U	40 U	1600 U		

Ekonor Polyester Resins Facility Wheatfield, NY
Groundwater Analytical Data Round 1

Casno	Compound	Sample ID: Lab Sample id	SP-1 A0856303	SP-1DL A0856303DL	SP-2 A0856309	SP-2DL A0856309DL	SP-3 A0856308	SP-4 A0856306
		Depth:	STL Buffalo A00-8563 Water 11/27/00	STL Buffalo A00-8563 Water 11/27/00	STL Buffalo A00-8563 Water 11/27/00	STL Buffalo A00-8563 Water 11/27/00	STL Buffalo A00-8563 Water 11/27/00	STL Buffalo A00-8563 Water 11/27/00
		Source:						
		SDG:						
		Matrix:						
		Sampled:						
		Validated:						
		Units:						
	SEMIVOLATILES							
62-53-3	Aniline	UG/L	10 U	50 U	10 U	530 U	33 U	10 U
83-32-9	Acenaphthene	UG/L	10 U	50 U	10 U	530 U		
208-96-8	Acenaphthylene	UG/L	10 U	50 U	10 U	530 U		
120-12-7	Anthracene	UG/L	10 U	50 U	10 U	530 U		
56-55-3	Benzo(a)anthracene	UG/L	10 U	50 U	10 U	530 U		
205-99-2	Benzo(b)fluoranthene	UG/L	10 U	50 U	10 U	530 U		
207-08-9	Benzo(k)fluoranthene	UG/L	10 U	50 U	10 U	530 U		
191-24-2	Benzo(ghi)perylene	UG/L	10 U	50 U	10 U	530 U		
50-32-8	Benzo(a)pyrene	UG/L	10 U	50 U	10 U	530 U		
1863-63-4	Benzoic acid	UG/L	120	200 U	6700 E	2100 U		
100-51-6	Benzyl alcohol	UG/L	20 U	200 U	20 U	2100 U		
111-92-1	Bis(2-chloroethoxy) methane	UG/L	10 U	50 U	10 U	530 U		
111-44-4	Bis(2-chloroethyl) ether	UG/L	10 U	50 U	10 U	530 U		
108-60-1	2,2'-Oxybis(1-Chloropropane)	UG/L	10 U	50 U	10 U	530 U		
117-81-7	Bis(2-ethylhexyl) phthalate	UG/L	10 U	75 U	10 U	800 U		
101-55-3	4-Bromophenyl phenyl ether	UG/L	10 U	75 U	10 U	800 U		
85-68-7	Butyl benzyl phthalate	UG/L	10 U	50 U	10 U	530 U		
106-47-8	4-Chloroaniline	UG/L	10 U	50 U	10 U	530 U		
59-50-7	4-Chloro-3-methylphenol	UG/L	10 U	50 U	10 U	530 U		
91-58-7	2-Chloronaphthalene	UG/L	10 U	50 U	10 U	530 U		
95-57-8	2-Chlorophenol	UG/L	10 U	50 U	10 U	530 U		
7005-72-3	4-Chlorophenyl phenyl ether	UG/L	10 U	50 U	10 U	530 U		
218-01-9	Chrysene	UG/L	10 U	50 U	10 U	530 U		
53-70-3	Dibenzo(a,h)anthracene	UG/L	10 U	50 U	10 U	530 U		
132-64-9	Dibenzofuran	UG/L	10 U	50 U	10 U	530 U		
84-74-2	Di-n-butyl phthalate	UG/L	10 U	50 U	10 U	530 U		
95-50-1	1,2-Dichlorobenzene	UG/L	10 U	50 U	10 U	530 U		
541-73-1	1,3-Dichlorobenzene	UG/L	10 U	50 U	10 U	530 U		
106-46-7	1,4-Dichlorobenzene	UG/L	10 U	50 U	10 U	530 U		
91-94-1	3,3'-Dichlorobenzidine	UG/L	20 U	75 U	20 U	800 U		
120-83-2	2,4-Dichlorophenol	UG/L	10 U	40 U	10 U	430 U		
84-66-2	Diethyl phthalate	UG/L	10 U	50 U	10 U	530 U		
105-67-9	2,4-Dimethylphenol	UG/L	10 U	75 U	10 U	800 U		
131-11-3	Dimethyl phthalate	UG/L	10 U	50 U	10 U	530 U		
534-52-1	4,6-Dinitro-2-methylphenol	UG/L	50 U	75 U	50 U	800 U		

Ekonor Polyester Resins Facility Wheatfield, NY
Groundwater Analytical Data Round 1

Casno	Compound	Sample ID: Lab Sample Id	SP-1 A0856303	SP-1DL A0856303DL	SP-2 A0856309	SP-2DL A0856309DL	SP-3 A0856308	SP-4 A0856306
		Depth:	STL Buffalo A00-8563 Water 11/27/00	STL Buffalo A00-8563 Water 11/27/00	STL Buffalo A00-8563 Water 11/27/00	STL Buffalo A00-8563 Water 11/27/00	STL Buffalo A00-8563 Water 11/27/00	STL Buffalo A00-8563 Water 11/27/00
		Source:						
		SDG:						
		Matrix:						
		Sampled:						
		Validated:						
		Units:						
	SEMIVOLATILES CONTD							
51-28-5	2,4-Dinitrophenol	UG/L	50 U	100 U	50 U	1100 U		
121-14-2	2,4-Dinitrotoluene	UG/L	10 U	50 U	10 U	530 U		
606-20-2	2,6-Dinitrotoluene	UG/L	10 U	75 U	10 U	800 U		
117-84-0	Di-n-octyl phthalate	UG/L	10 U	50 U	10 U	530 U		
206-44-0	Fluoranthene	UG/L	10 U	75 U	10 U	800 U		
86-73-7	Fluorene	UG/L	10 U	75 U	10 U	800 U		
118-74-1	Hexachlorobenzene	UG/L	10 U	50 U	10 U	530 U		
87-68-3	Hexachlorobutadiene	UG/L	10 U	50 U	10 U	530 U		
77-47-4	Hexachlorocyclopentadiene	UG/L	10 U	75 U	10 U	800 U		
67-72-1	Hexachloroethane	UG/L	10 U	40 U	10 U	430 U		
193-39-5	Indeno(1,2,3-cd)pyrene	UG/L	10 U	100 U	10 U	1100 U		
78-59-1	Isophorone	UG/L	10 U	50 U	10 U	530 U		
91-57-6	2-Methylnaphthalene	UG/L	10 U	50 U	10 U	530 U		
95-48-7	2-Methylphenol	UG/L	10 U	100 U	190	1100 U		
106-44-5	4-Methylphenol	UG/L	10 U	50 U	87	530 U		
91-20-3	Naphthalene	UG/L	10 U	50 U	10 U	530 U		
88-74-4	2-Nitroaniline	UG/L	50 U	50 U	50 U	530 U		
99-09-2	3-Nitroaniline	UG/L	50 U	75 U	50 U	800 U		
100-01-6	4-Nitroaniline	UG/L	50 U	120 U	50 U	1300 U		
98-95-3	Nitrobenzene	UG/L	10 U	90 U	10 U	960 U		
88-75-5	2-Nitrophenol	UG/L	10 U	50 U	10 U	530 U		
100-02-7	4-Nitrophenol	UG/L	50 U	120 U	50 U	1300 U		
86-30-6	N-nitrosodiphenylamine	UG/L	10 U	50 U	10 U	530 U		
621-64-7	N-Nitroso-Di-n-propylamine	UG/L	10 U	45 U	10 U	480 U		
87-86-5	Pentachlorophenol	UG/L	50 U	100 U	50 U	1100 U		
85-01-8	Phenanthrene	UG/L	10 U	50 U	10 U	530 U		
108-95-2	Phenol	UG/L	3100 E	2800 D	28000 E	34000 D	33 U	14
129-00-0	Pyrene	UG/L	10 U	75 U	10 U	800 U		
120-82-1	1,2,4-Trichlorobenzene	UG/L	10 U	25 U	10 U	270 U		
95-95-4	2,4,5-Trichlorophenol	UG/L	25 U	100 U	25 U	1100 U		
88-06-2	2,4,6-Trichlorophenol	UG/L	10 U	150 U	10 U	1600 U		
	METALS							
7439-92-1	Lead - Total	MG/L	0.01 U		0.024		0.2	0.01 U
7441-66-6	Zinc - Total	MG/L	0.026 U		0.13		1.3	0.026 U

"ND"= Compound was analyzed for, but not detected
 "D"= Compound was identified in an analysis at the secondary dilution factor
 "E"= Concentration exceeded the calibration range

EkonoI Polyester Resins Facility Wheatfield, NY
Groundwater Analytical Data Round 1

Compound	Sample ID: Lab Sample Id	SP-4DL A0856306DL	SP-5 A0856307	SP-5DL A0856307DL	SP-6 A0856301	SP-6DL A0856301DL	SP-7 A0856305
Casno	Depth: Source: SDG: Matrix: Sampled: Validated: Units:	STL Buffalo A00-8563 Water 11/27/00	STL Buffalo A00-8563 Water 11/27/00	STL Buffalo A00-8563 Water 11/27/00	STL Buffalo A00-8563 Water 11/27/00	STL Buffalo A00-8563 Water 11/27/00	STL Buffalo A00-8563 Water 11/27/00
VOLATILES							
67-64-1 Acetone	UG/L						
71-43-2 Benzene	UG/L						
75-27-4 Bromodichloromethane	UG/L						
75-25-2 Bromoform	UG/L						
74-83-9 Bromomethane	UG/L						
78-93-3 2-Butanone	UG/L						
75-15-0 Carbon Disulfide	UG/L						
56-23-5 Carbon Tetrachloride	UG/L						
108-90-7 Chlorobenzene	UG/L						
75-00-3 Chloroethane	UG/L						
67-66-3 Chloroform	UG/L						
74-87-3 Chloromethane	UG/L						
124-48-1 Dibromochloromethane	UG/L						
75-34-3 1,1-Dichloroethane	UG/L	20 U	50 U		5 U	200 U	25 U
107-06-2 1,2-Dichloroethane	UG/L						
75-35-4 1,1-Dichloroethene	UG/L						
540-59-0 1,2-Dichloroethene (Total)	UG/L	20 U	1300		3700 E	9500 D	32
78-87-5 1,2-Dichloropropane	UG/L						
10061-01-5 cis-1,3-Dichloropropene	UG/L						
10061-02-6 trans-1,3-Dichloropropene	UG/L						
100-41-4 Ethylbenzene	UG/L						
591-78-6 2-Hexanone	UG/L						
75-09-2 Methylene chloride	UG/L						
108-10-1 4-Methyl-2-pentanone	UG/L						
100-42-5 Styrene	UG/L						
79-34-5 1,1,2,2-Tetrachloroethane	UG/L						
127-18-4 Tetrachloroethene	UG/L						
108-88-3 Toluene	UG/L						
71-55-6 1,1,1-Trichloroethane	UG/L	20 U	50 U		5 U	200 U	25 U
79-00-5 1,1,2-Trichloroethane	UG/L						
79-01-6 Trichloroethene	UG/L						
108-05-4 Vinyl acetate	UG/L	20 U	27 J		36	160 DJ	25 U
75-01-4 Vinyl chloride	UG/L						
1330-20-7 Total Xylenes	UG/L						

Ekono Polyester Resins Facility Wheatfield, NY
Groundwater Analytical Data Round 1

Casno	Compound	Sample ID: Lab Sample Id Depth: Source: SDG: Matrix: Sampled: Validated: Units:	SP-4DL A0856306DL STL Buffalo A00-8563 Water 11/27/00	SP-5 A0856307 STL Buffalo A00-8563 Water 11/27/00	SP-5DL A0856307DL STL Buffalo A00-8563 Water 11/27/00	SP-6 A0856301 STL Buffalo A00-8563 Water 11/27/00	SP-6DL A0856301DL STL Buffalo A00-8563 Water 11/27/00	SP-7 A0856305 STL Buffalo A00-8563 Water 11/27/00
	Compound							
	SEMIVOLATILES							
62-53-3	Aniline	UG/L		10 U	10 U	10 U		10 U
83-32-9	Acenaphthene	UG/L						
208-96-8	Acenaphthylene	UG/L						
120-12-7	Anthracene	UG/L						
56-55-3	Benzo(a)anthracene	UG/L						
205-99-2	Benzo(b)fluoranthene	UG/L						
207-08-9	Benzo(k)fluoranthene	UG/L						
191-24-2	Benzo(ghi)perylene	UG/L						
50-32-8	Benzo(a)pyrene	UG/L						
1863-63-4	Benzoic acid	UG/L						
100-51-6	Benzyl alcohol	UG/L						
111-92-1	Bis(2-chloroethoxy) methane	UG/L						
111-44-4	Bis(2-chloroethyl) ether	UG/L						
108-60-1	2,2'-Oxybis(1-Chloropropane)	UG/L						
117-81-7	Bis(2-ethylhexyl) phthalate	UG/L						
101-55-3	4-Bromophenyl phenyl ether	UG/L						
85-68-7	Butyl benzyl phthalate	UG/L						
106-47-8	4-Chloroaniline	UG/L						
59-50-7	4-Chloro-3-methylphenol	UG/L						
91-58-7	2-Chloronaphthalene	UG/L						
95-57-8	2-Chlorophenol	UG/L						
7005-72-3	4-Chlorophenyl phenyl ether	UG/L						
218-01-9	Chrysene	UG/L						
53-70-3	Dibenzo(a,h)anthracene	UG/L						
132-64-9	Dibenzofuran	UG/L						
84-74-2	Di-n-butyl phthalate	UG/L						
95-50-1	1,2-Dichlorobenzene	UG/L						
541-73-1	1,3-Dichlorobenzene	UG/L						
106-46-7	1,4-Dichlorobenzene	UG/L						
91-94-1	3,3'-Dichlorobenzidine	UG/L						
120-83-2	2,4-Dichlorophenol	UG/L						
84-66-2	Diethyl phthalate	UG/L						
105-67-9	2,4-Dimethylphenol	UG/L						
131-11-3	Dimethyl phthalate	UG/L						
534-52-1	4,6-Dinitro-2-methylphenol	UG/L						

Ekonor Polyester Resins Facility Wheatfield, NY
Groundwater Analytical Data Round 1

Casno	Compound	Sample ID: Lab Sample Id	SP-4DL A0856306DL	SP-5 A0856307	SP-5DL A0856307DL	SP-6 A0856301	SP-6DL A0856301DL	SP-7 A0856305
	SEMIVOLATILES CONT'D							
51-28-5	2,4-Dinitrophenol	UG/L	STL Buffalo A00-8563 Water 11/27/00	STL Buffalo A00-8563 Water 11/27/00	STL Buffalo A00-8563 Water 11/27/00	STL Buffalo A00-8563 Water 11/27/00	STL Buffalo A00-8563 Water 11/27/00	STL Buffalo A00-8563 Water 11/27/00
121-14-2	2,4-Dinitrotoluene	UG/L						
606-20-2	2,6-Dinitrotoluene	UG/L						
117-84-0	Di-n-octyl phthalate	UG/L						
206-44-0	Fluoranthene	UG/L						
86-73-7	Fluorene	UG/L						
118-74-1	Hexachlorobenzene	UG/L						
87-68-3	Hexachlorobutadiene	UG/L						
77-47-4	Hexachlorocyclopentadiene	UG/L						
67-72-1	Hexachloroethane	UG/L						
193-39-5	Indeno(1,2,3-cd)pyrene	UG/L						
78-59-1	Isophorone	UG/L						
91-57-6	2-Methylnaphthalene	UG/L						
95-48-7	2-Methylphenol	UG/L						
106-44-5	4-Methylphenol	UG/L						
91-20-3	Naphthalene	UG/L						
88-74-4	2-Nitroaniline	UG/L						
99-09-2	3-Nitroaniline	UG/L						
100-01-6	4-Nitroaniline	UG/L						
98-95-3	Nitrobenzene	UG/L						
88-75-5	2-Nitrophenol	UG/L						
100-02-7	4-Nitrophenol	UG/L						
86-30-6	N-nitrosodiphenylamine	UG/L						
621-64-7	N-Nitroso-Di-n-propylamine	UG/L						
87-86-5	Pentachlorophenol	UG/L						
85-01-8	Phenanthrene	UG/L						
108-95-2	Phenol	UG/L						
129-00-0	Pyrene	UG/L						
120-82-1	1,2,4-Trichlorobenzene	UG/L						
95-95-4	2,4,5-Trichlorophenol	UG/L						
88-06-2	2,4,6-Trichlorophenol	UG/L						
	METALS							
7439-92-1	Lead - Total	MG/L						
7441-86-6	Zinc - Total	MG/L						
			1700 E	250 D	4 J	0.01 U 0.026 U		7 J 0.018 0.11

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"D"= Compound was identified in an analysis at the secondary dilution factor
"J"= Indicates

Ekonomol Polyester Resins Facility Wheatfield, NY
Groundwater Analytical Data Round 1

Casno	Compound	Sample ID: Lab Sample Id Depth: Source: SDG: Matrix: Sampled: Validated: Units:	SP-11 A0856302 STL Buffalo A00-8563 Water 11/27/00	SP-11DL A0856302DL STL Buffalo A00-8563 Water 11/27/00	SP-16 A0856304 STL Buffalo A00-8563 Water 11/27/00	SP-16DL A0856304DL STL Buffalo A00-8563 Water 11/27/00	SP-20 A0858602 STL Buffalo A00-5256 Water 11/28/00	TRIP BLANK A0856310 STL Buffalo A00-8563 Water 11/27/00
	Volatiles							
67-64-1	Acetone	UG/L						25 U
71-43-2	Benzene	UG/L						5 U
75-27-4	Bromodichloromethane	UG/L						5 U
75-25-2	Bromoform	UG/L						5 U
74-83-9	Bromomethane	UG/L						10 U
78-93-3	2-Butanone	UG/L						10 U
75-15-0	Carbon Disulfide	UG/L						5 U
56-23-5	Carbon Tetrachloride	UG/L						5 U
108-90-7	Chlorobenzene	UG/L						5 U
75-00-3	Chloroethane	UG/L						10 U
67-66-3	Chloroform	UG/L						5 U
74-87-3	Chloromethane	UG/L						10 U
124-48-1	Dibromochloromethane	UG/L						10 U
75-34-3	1,1-Dichloroethane	UG/L	5.6	500 U	3.1 J	500 U	50 U	5 U
107-06-2	1,2-Dichloroethane	UG/L						5 U
75-35-4	1,1-Dichloroethene	UG/L						5 U
540-59-0	1,2-Dichloroethene (Total)	UG/L	2900 E	16000 D	1800 E	13000 D	1600	5 U
78-87-5	1,2-Dichloropropane	UG/L						5 U
10061-01-5	cis-1,3-Dichloropropene	UG/L						5 U
10061-02-6	trans-1,3-Dichloropropene	UG/L						5 U
100-41-4	Ethylbenzene	UG/L						5 U
591-78-6	2-Hexanone	UG/L						10 U
75-09-2	Methylene chloride	UG/L						5 U
108-10-1	4-Methyl-2-pentanone	UG/L						5 U
100-42-5	Styrene	UG/L						10 U
79-34-5	1,1,2,2-Tetrachloroethane	UG/L						5 U
127-18-4	Tetrachloroethene	UG/L						5 U
108-88-3	Toluene	UG/L						5 U
71-55-6	1,1,1-Trichloroethane	UG/L	5 U	500 U	5 U	500 U	50 U	5 U
79-00-5	1,1,2-Trichloroethane	UG/L						5 U
79-01-6	Trichloroethene	UG/L	330 E	300 DJ	320 E	290 DJ	140	5 U
108-05-4	Vinyl acetate	UG/L						10 U
75-01-4	Vinyl chloride	UG/L						5 U
1330-20-7	Total Xylenes	UG/L						15 U

Ekono! Polyester Resins Facility Wheatfield, NY
Groundwater Analytical Data Round 1

Compound	Sample ID: Lab Sample Id	SP-11 A0856302	SP-11DL A0856302DL	SP-16 A0856304	SP-16DL A0856304DL	SP-20 A0856602	TRIP BLANK A0856310
Castro		STL Buffalo A00-8563 Water 11/27/00	STL Buffalo A00-8563 Water 11/27/00	STL Buffalo A00-8563 Water 11/27/00	STL Buffalo A00-8563 Water 11/27/00	STL Buffalo A00-5256 Water 11/28/00	STL Buffalo A00-8563 Water 11/27/00
62-53-3	Aniline	UG/L	UG/L	10 U		10 U	
83-32-9	Acenaphthene	UG/L	UG/L				
208-96-8	Acenaphthylene	UG/L	UG/L				
120-12-7	Anthracene	UG/L	UG/L				
56-55-3	Benzo(a)anthracene	UG/L	UG/L				
205-99-2	Benzo(b)fluoranthene	UG/L	UG/L				
207-08-9	Benzo(k)fluoranthene	UG/L	UG/L				
191-24-2	Benzo(ghi)perylene	UG/L	UG/L				
50-32-8	Benzo(a)pyrene	UG/L	UG/L				
1863-63-4	Benzoic acid	UG/L	UG/L				
100-51-6	Benzyl alcohol	UG/L	UG/L				
111-92-1	Bis(2-chloroethoxy) methane	UG/L	UG/L				
111-44-4	Bis(2-chloroethyl) ether	UG/L	UG/L				
108-60-1	2,2'-Oxybis(1-Chloropropane)	UG/L	UG/L				
117-81-7	Bis(2-ethylhexyl) phthalate	UG/L	UG/L				
101-55-3	4-Bromophenyl phenyl ether	UG/L	UG/L				
85-68-7	Butyl benzyl phthalate	UG/L	UG/L				
106-47-8	4-Chloroaniline	UG/L	UG/L				
59-50-7	4-Chloro-3-methylphenol	UG/L	UG/L				
91-58-7	2-Chloronaphthalene	UG/L	UG/L				
95-57-8	2-Chlorophenol	UG/L	UG/L				
7005-72-3	4-Chlorophenyl phenyl ether	UG/L	UG/L				
218-01-9	Chrysene	UG/L	UG/L				
53-70-3	Dibenzo(a,h)anthracene	UG/L	UG/L				
132-64-9	Dibenzofuran	UG/L	UG/L				
84-74-2	Di-n-butyl phthalate	UG/L	UG/L				
95-50-1	1,2-Dichlorobenzene	UG/L	UG/L				
541-73-1	1,3-Dichlorobenzene	UG/L	UG/L				
106-46-7	1,4-Dichlorobenzene	UG/L	UG/L				
91-94-1	3,3'-Dichlorobenzidine	UG/L	UG/L				
120-63-2	2,4-Dichlorophenol	UG/L	UG/L				
84-66-2	Diethyl phthalate	UG/L	UG/L				
105-67-9	2,4-Dimethylphenol	UG/L	UG/L				
131-11-3	Dimethyl phthalate	UG/L	UG/L				
534-52-1	4,6-Dinitro-2-methylphenol	UG/L	UG/L				

Ekonal Polyester Resins Facility Wheatfield, NY
Groundwater Analytical Data Round 1

Casno	Compound	Sample ID: Lab Sample Id	SP-11 A0856302	SP-11DL A0856302DL	SP-16 A0856304	SP-16DL A0856304DL	SP-20 A0856602	TRIP BLANK A0856810
SEMIVOLATILES CONT'D								
51-28-5	2,4-Dinitrophenol	UG/L						
121-14-2	2,4-Dinitrotoluene	UG/L						
606-20-2	2,6-Dinitrotoluene	UG/L						
117-84-0	Di-n-octyl phthalate	UG/L						
206-44-0	Fluoranthene	UG/L						
86-73-7	Fluorene	UG/L						
118-74-1	Hexachlorobenzene	UG/L						
87-68-3	Hexachlorobutadiene	UG/L						
77-47-4	Hexachlorocyclopentadiene	UG/L						
67-72-1	Hexachloroethane	UG/L						
193-39-5	Indeno(1,2,3-cd)pyrene	UG/L						
78-59-1	Isophorone	UG/L						
91-57-6	2-Methylnaphthalene	UG/L						
95-48-7	2-Methylphenol	UG/L						
106-44-5	4-Methylphenol	UG/L						
91-20-3	Naphthalene	UG/L						
88-74-4	2-Nitroaniiline	UG/L						
99-09-2	3-Nitroaniiline	UG/L						
100-01-6	4-Nitroaniiline	UG/L						
98-95-3	Nitrobenzene	UG/L						
88-75-5	2-Nitrophenol	UG/L						
100-02-7	4-Nitrophenol	UG/L						
86-30-6	N-nitrosodiphenylamine	UG/L						
621-64-7	N-Nitroso-Di-n-propylamine	UG/L						
87-86-5	Pentachlorophenol	UG/L						
85-01-8	Phenanthrene	UG/L						
108-95-2	Phenol	UG/L	88		22		10 U	
129-00-0	Pyrene	UG/L						
120-82-1	1,2,4-Trichlorobenzene	UG/L						
95-95-4	2,4,5-Trichlorophenol	UG/L						
88-06-2	2,4,6-Trichlorophenol	UG/L						
METALS								
7439-92-1	Lead - Total	MG/L	0.011		0.081		0.011	
7441-66-6	Zinc - Total	MG/L	0.026 U		0.23		0.048	

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