SITE CHARACTERIZATION REPORT
EKONOL POLYESTER RESINS FACILITY
WHEATFIELD, NEW YORK

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February 2001

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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
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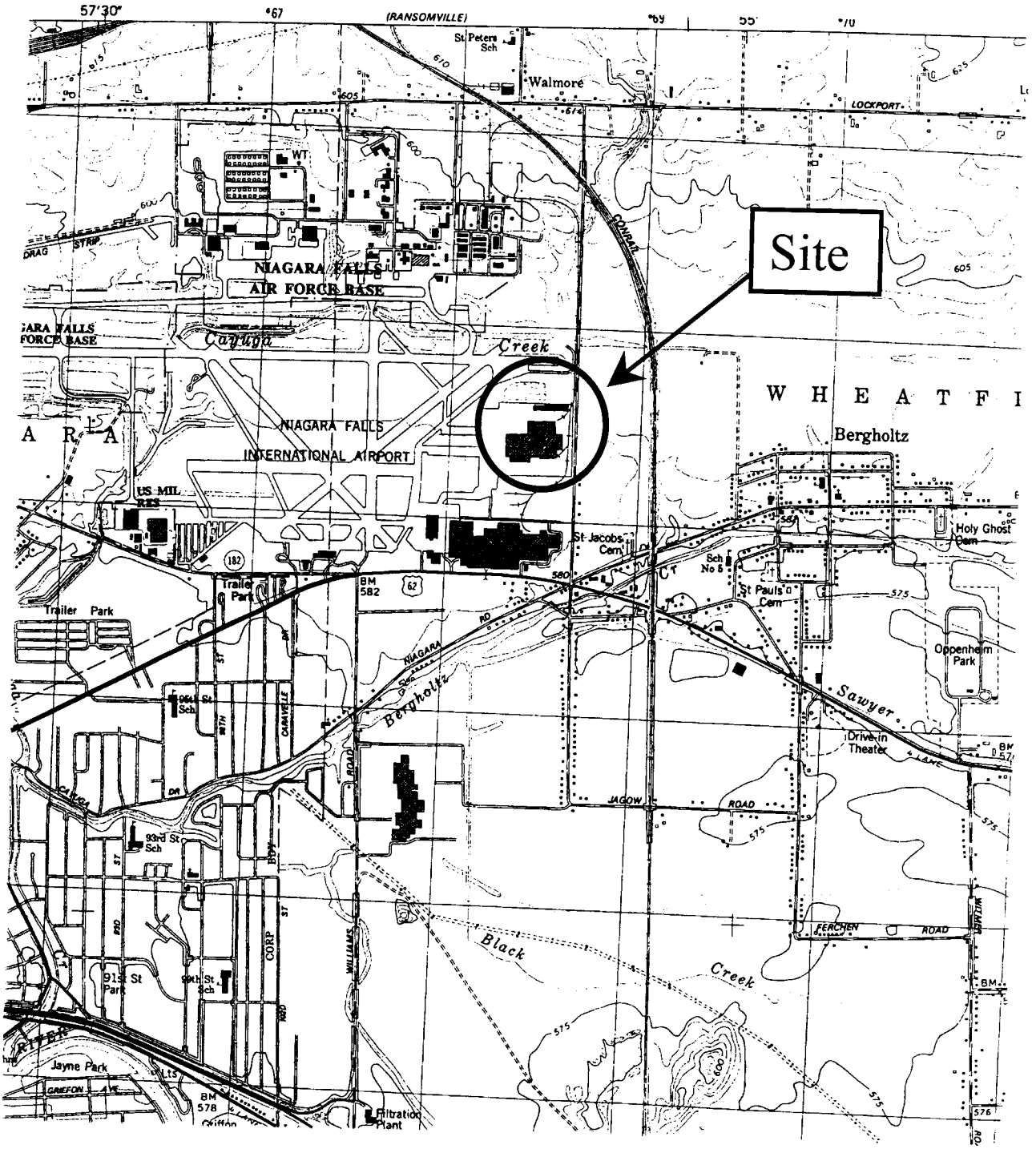

LEGEND

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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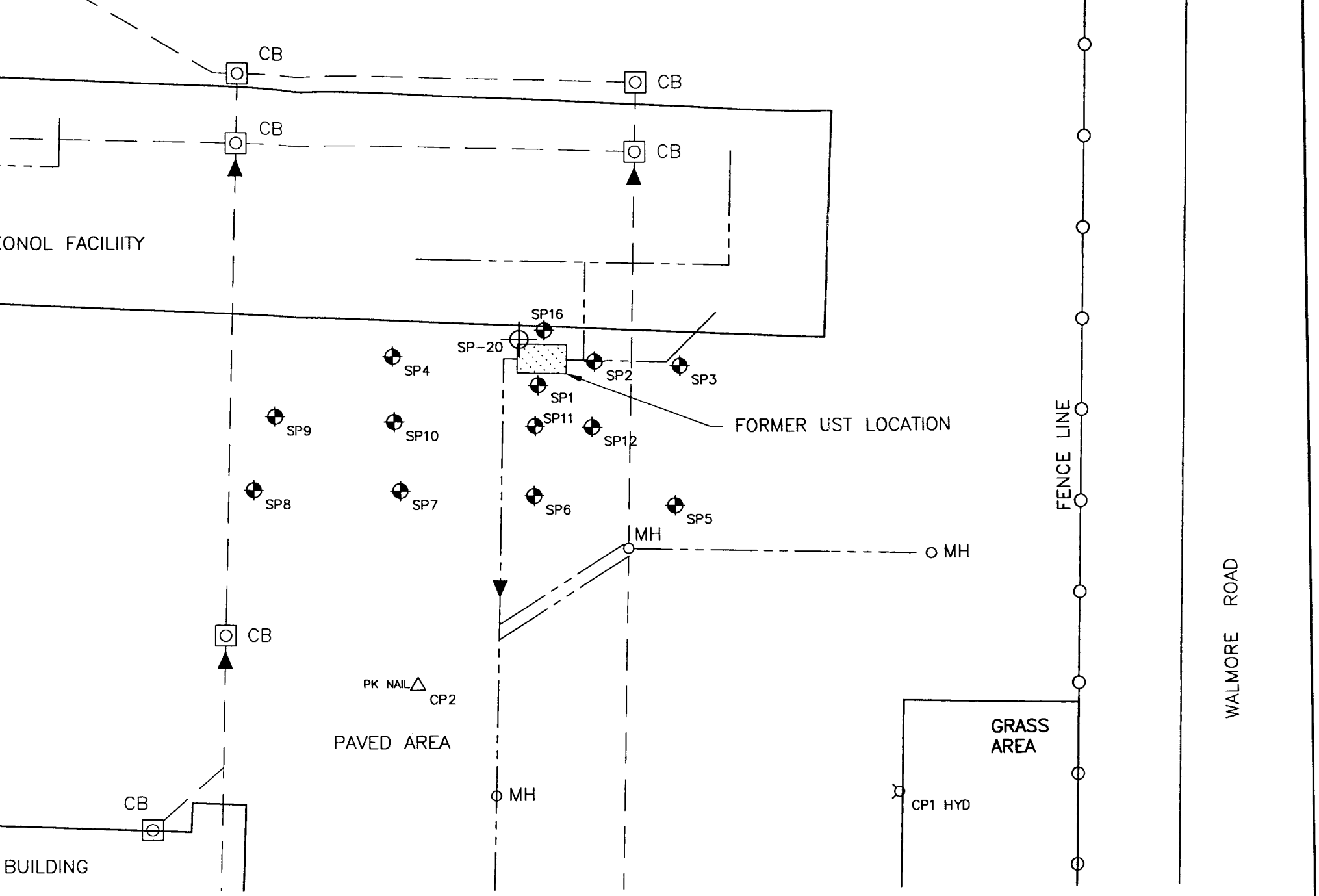
180 LAWRENCE BELL DRIVE - SUITE 104 * WILLIAMSVILLE, N.Y. 14221 * 716 / 633-7074
OFFICES IN PRINCIPAL CITIES



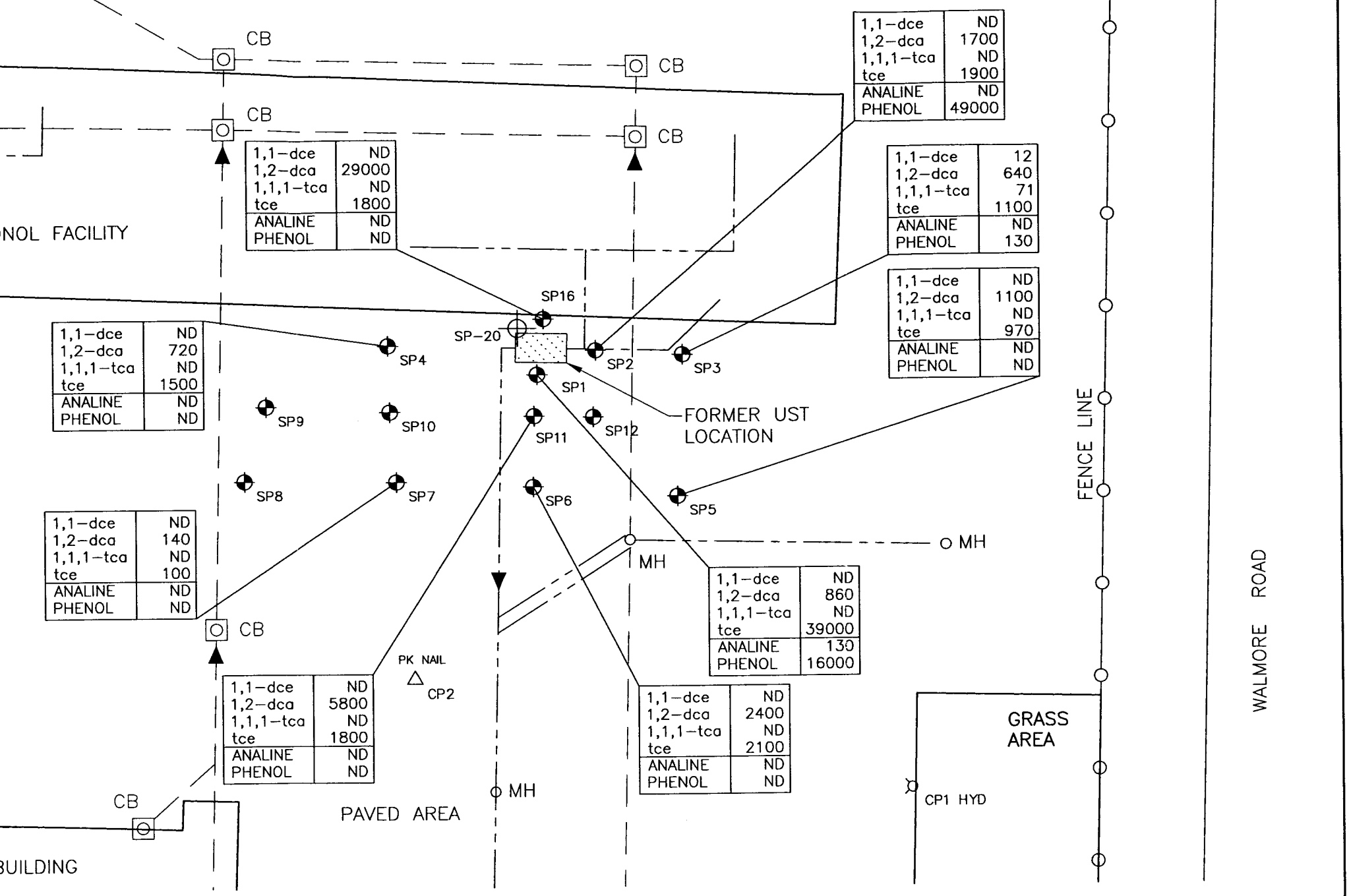
FIRE HYDRANT LOCATION

PK NAIL LOCATION

FLOW DIRECTION

FIGURE 2

BP AMOCO
EKONOL FACILITY
WHEATFIELD, NEW YORK



FIRE HYDRANT LOCATION

PK NAIL LOCATION

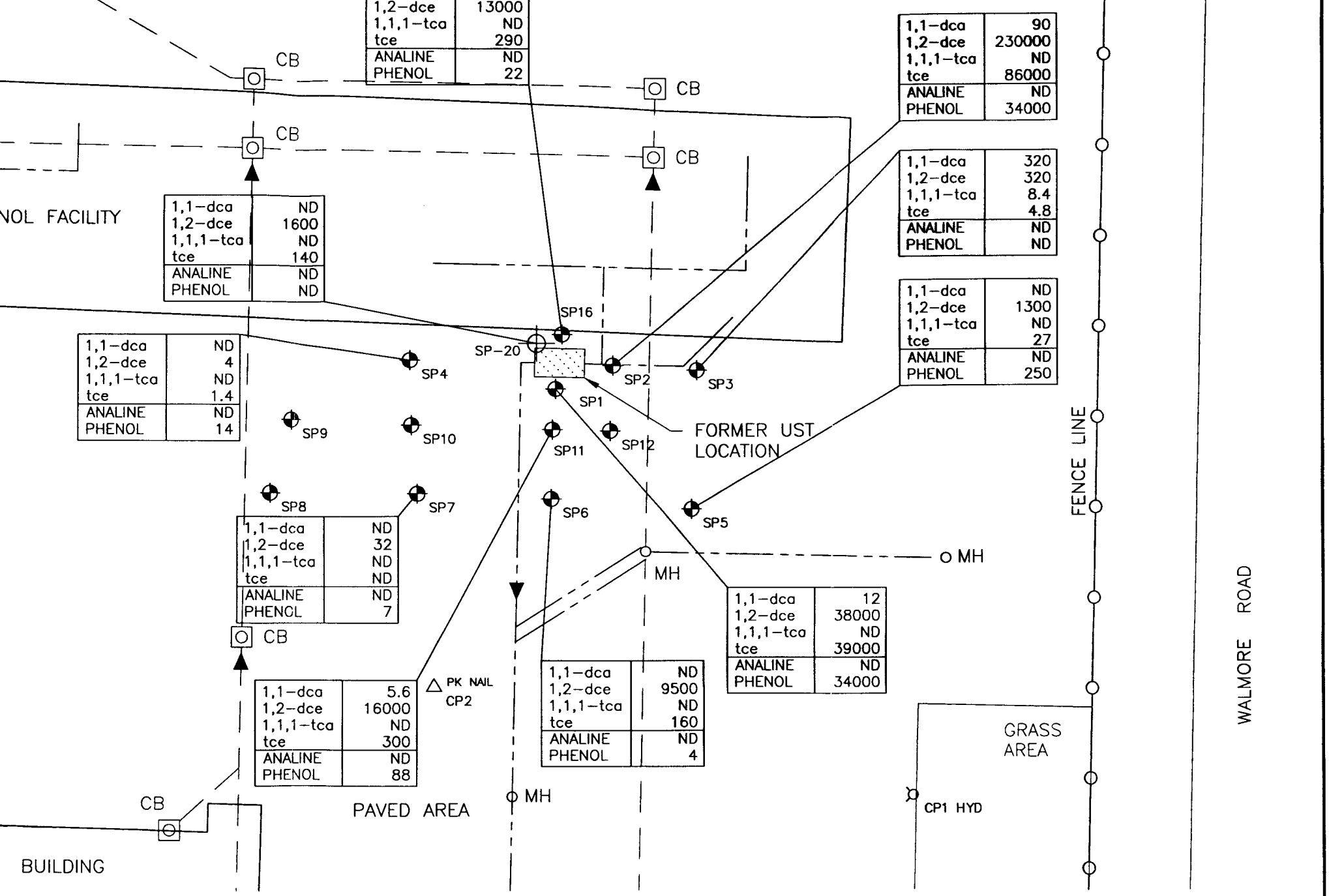
FLOW DIRECTION

INDICATOR VOC ($\mu g/Kg$)

FIGURE 3

BP AMOCO
EKONOL FACILITY
WHEATFIELD, NEW YORK

SOIL VOC/SVOC
CONCENTRATION MAP



FIRE HYDRANT LOCATION

PK NAIL LOCATION

FLOW DIRECTION

INDICATOR VOC ($\mu g/L$)

FIGURE 4

BP AMOCO
EKONOL FACILITY
WHEATFIELD, NEW YORK

GROUNDWATER VOC/SVOC

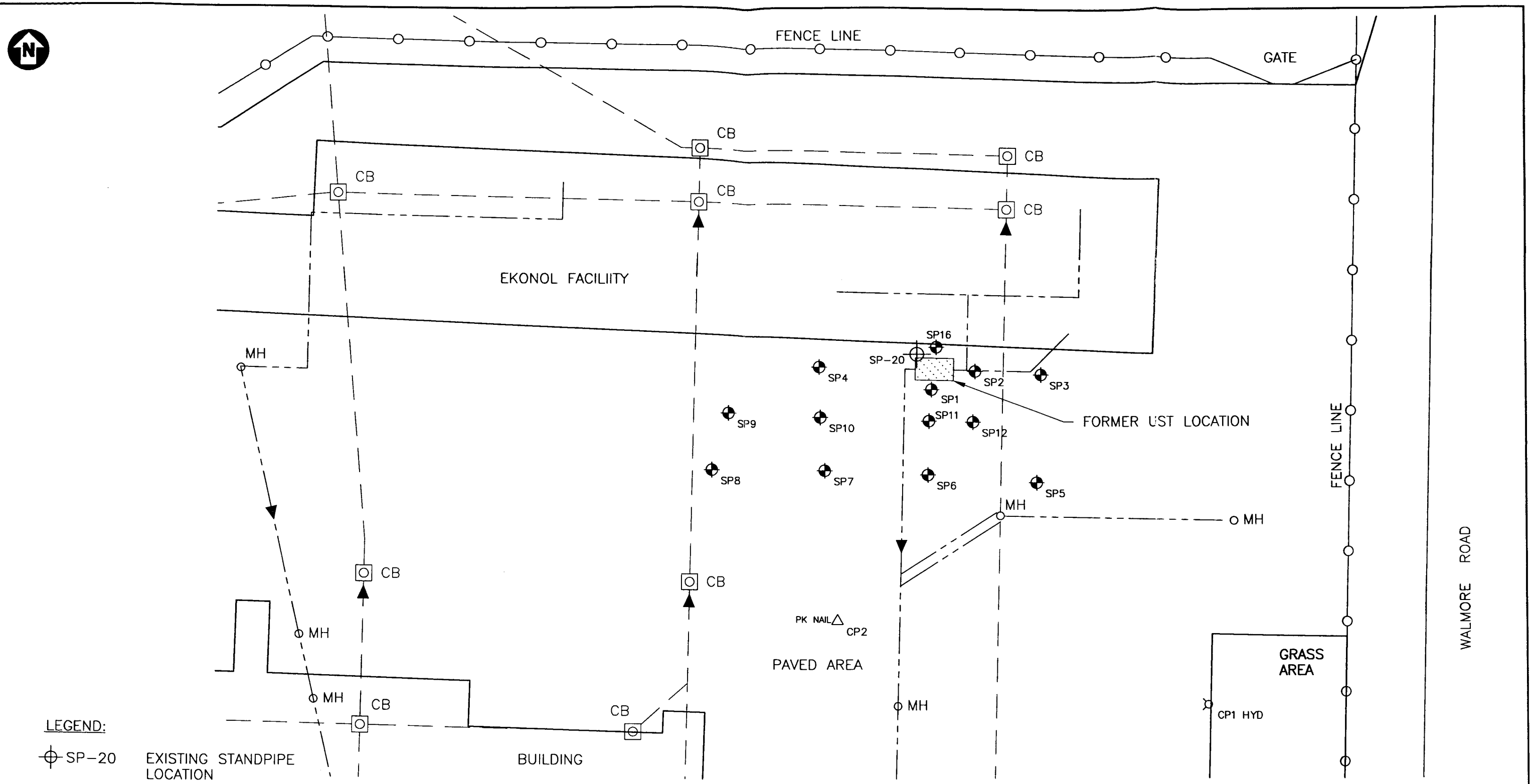


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FIGURE 2

BP AMOCO
EKONOL FACILITY
WHEATFIELD, NEW YORK

SITE PLAN

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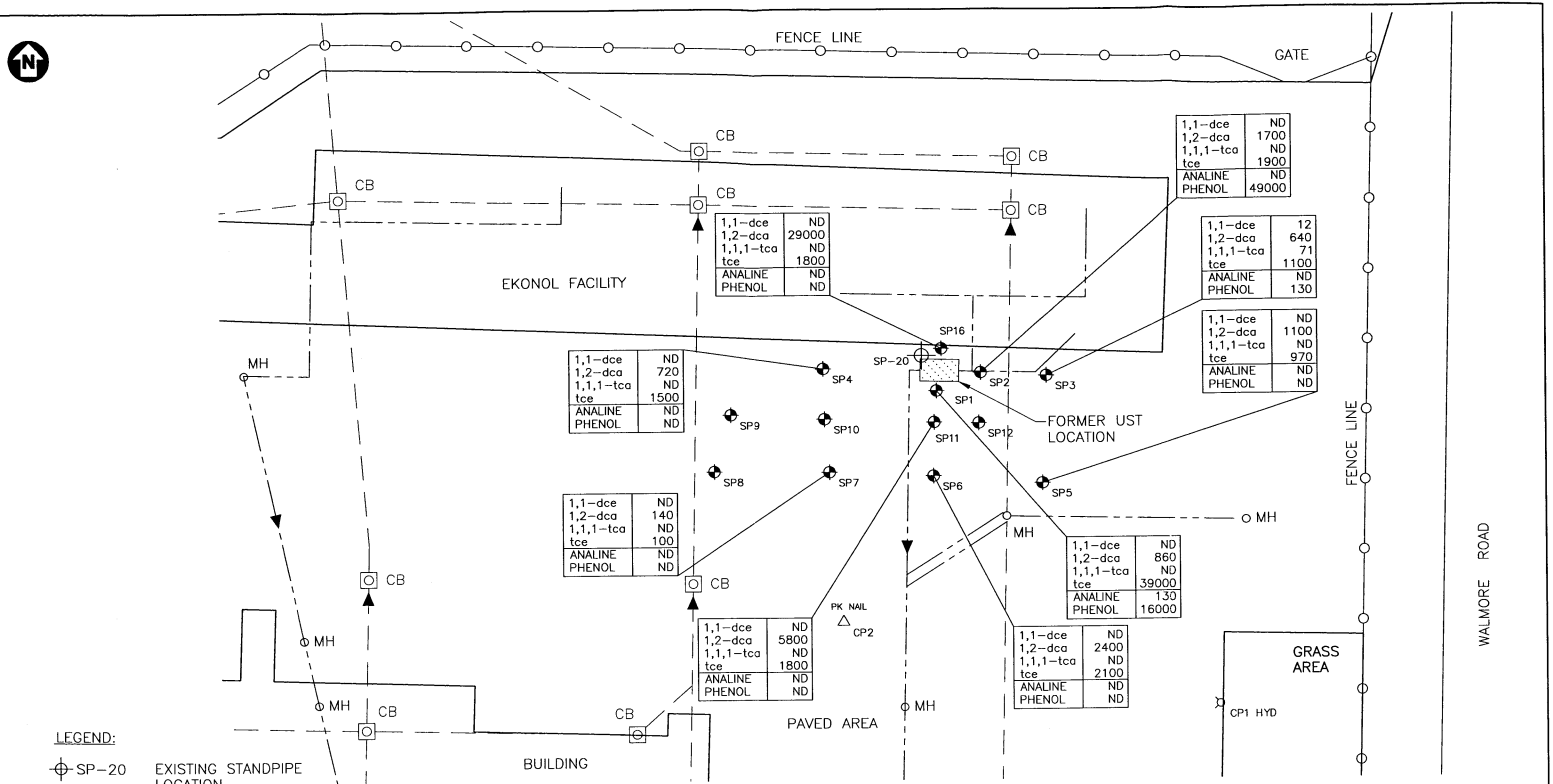

FIGURE 3

BP AMOCO
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SOIL VOC/SVOC CONCENTRATION MAP
(NOVEMBER 20−22, 2000)

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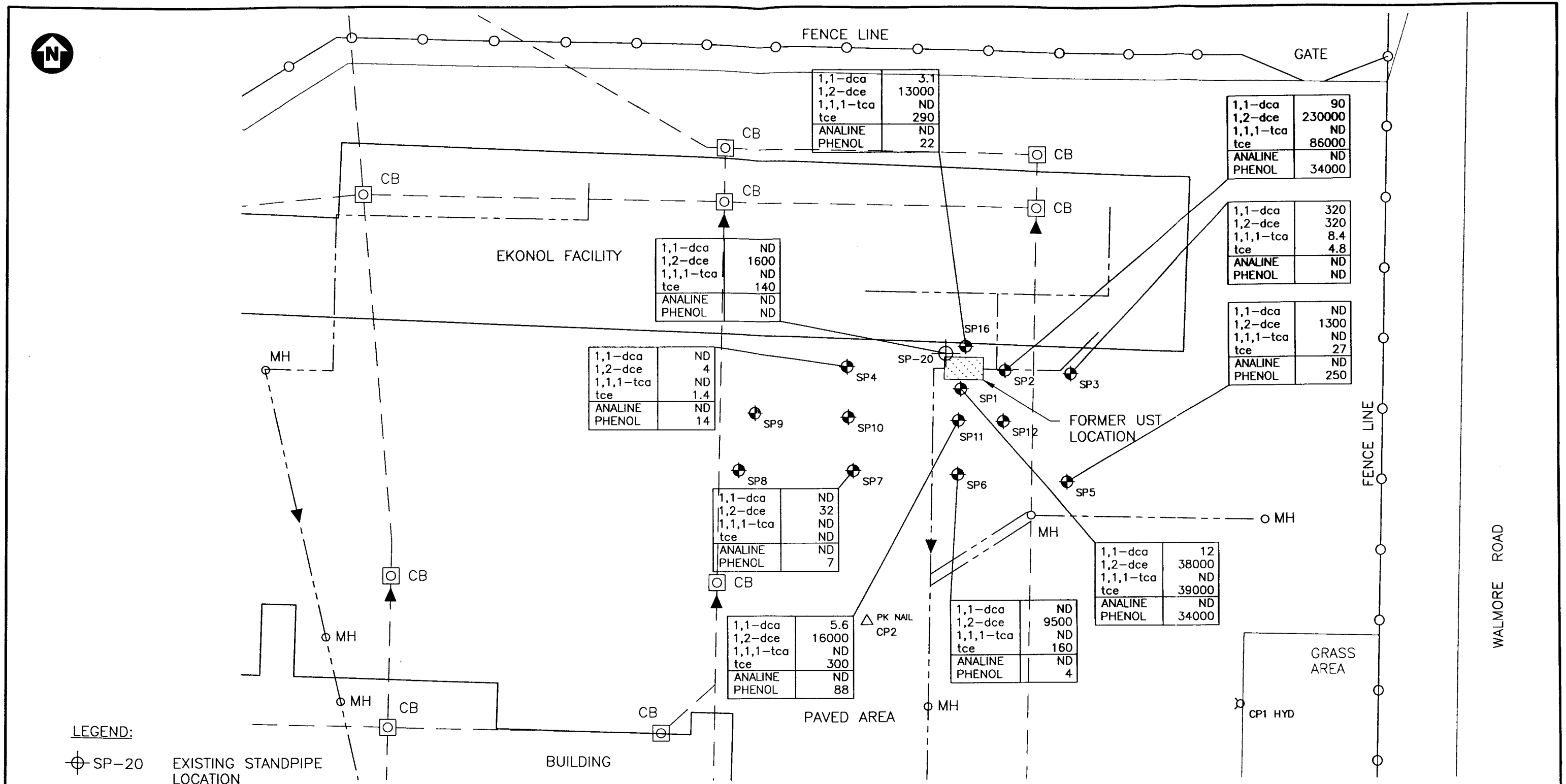

LEGEND:

- 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 (μg/L)

INDICATOR SVOC (μg/L)

ND — NOT DETECTED

50 25 0 50 100

SCALE: 1"=50'

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FIGURE 4

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EKONOL FACILITY
WHEATFIELD, NEW YORK

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

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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

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

Casno	Compound	Standard	Sample ID: / Lab Sample Id: / Depth: / Source: / SDG: / Matrix: / Sampled: / Validated: / Units:	SP-1 (4'-8') A0854401 4-8' STL Buffalo A00-8544 Soil 11/20/00	SP-2 (8'-12') A0854402 8-12' STL Buffalo A00-8544 Soil 11/20/00	SP-3 (4'-8') A0854403 4-8' STL Buffalo A00-8544 Soil 11/20/00	SP-4 (4'-8') A0854404 4-8' STL Buffalo A00-8544 Soil 11/20/00	SP-5 (4'-8') A0854405 4-8' STL Buffalo A00-8544 Soil 11/20/00	SP-6 (8'-12') A0854406 8-12' STL Buffalo A00-8544 Soil 11/20/00	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											
75-34-3	1,1-Dichloroethane	200	UG/KG	6 U	800 U	12	7 U	6 U	790 U	6 U	760 U	750 U
540-59-0	1,2-Dichloroethene (Total)	300	UG/KG	**860 DJ**	**1700**	**640 DJ**	**720 DJ**	**1100 DJ**	**2400**	140	**5800**	**29000**
71-55-6	1,1,1-Trichloroethane	800	UG/KG	6 U	800 U	71	7 U	6 U	790 U	6 U	760 U	750 U
79-01-6	Trichloroethene	700	UG/KG	**39000 D**	**19000**	**1100 D**	**1500 D**	**970 D**	**2100**	100	**1800**	680 J
	SEMIVOLATILES											
62-53-3	Aniline	100	UG/KG	**130 J**	330 U	330 U	330 U	330 U	330 U	330 U	330 U	77 J
108-95-2	Phenol	30 or MDL	UG/KG	**16000 D**	**49000 D**	**130 J**	330 U	330 U	330 U	330 U	330 U	330 U
	METALS											
7439-92-1	Lead - Total	SB	MG/KG	9	10.9	6.5 U	8.4	8.8	9.1	8.8	13.5	10.2
7441-66-6	Zinc - Total	20 or SB	MG/KG	**59.8**	**62.4**	16.1	**49.6**	**55.1**	**63.8**	**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

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

Casno	Compound	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: / Lab Sample Id: / Source: / SDG: / Matrix: / Sampled: / Validated: / Units:	SP-1 A0856303 STL Buffalo A00-8563 Water 11/27/00	SP-2 A0856309 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	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 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	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
	SEMIVOLATILES													
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	
	METALS													
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

Table 4
Ekonol Polyester Resins Facility - Wheatfield, NY
Groundwater Analytical Data - Round 2
Detected Compound Summary

Casno	Compound	NYSDEC Class GA Groundwater Standards/Guidance Values	Sample Id: / Lab Sampid: / Source: / SDG: / Matrix: / Sampled: / Validated: / Units	SP-2 A0948501 STL Buffalo A00-9485 Water 12/27/00	SP-5 A0948502 STL Buffalo A00-9485 Water 12/27/00	SP-6 A0948503 STL Buffalo A00-9485 Water 12/27/00	SP-7 A0948504 STL Buffalo A00-9485 Water 12/27/00	SP-11 A0948505 STL Buffalo A00-9485 Water 12/27/00	SP-111* A0950401 STL Buffalo A00-9504 Water 12/28/00	SP-12 A0948506 STL Buffalo A00-9485 Water 12/27/00	TRIP BLANK A0948507 STL Buffalo A00-9485 Water 12/27/00
	VOLATILES										
75-34-3	1,1-Dichloroethane	5	UG/L	5000 U	50 U	100 U	5 U	500 U	18	25 U	5 U
540-59-0	1,2-Dichloroethene (Total)	5	UG/L	**150000**	**2000**	**2400**	**68**	**30000 D**	**34000 D**	**650**	5 U
71-55-6	1,1,1-Trichloroethane	5	UG/L	5000 U	50 U	100 U	5 U	500 U	5 U	25 U	5 U
79-01-6	Trichloroethene	5	UG/L	**77000**	**100**	**57 J**	**4.1 J**	500 U	**550 DJ**	**730**	5 U
	SEMIVOLATILES										
62-53-3	Aniline		UG/L	40 U	10 U	10 U	10 U	10 U	10 U	10 U	
108-95-2	Phenol	1	UG/L	**26000 BD**	**66 B**	**38 B**	**23 B**	10 U	**35 B**	10 U	
	METALS										
7439-92-1	Lead - Total	25	UG/L	19	**620**	11	**52**	**69**	23	10 U	
7441-66-6	Zinc - Total	2000 (G)	UG/L	98	**3600**	170	300	400	79	26 U	

"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
"B"= The analyte was found in the associated blank, as well as in the sample
* = Duplicate sample

APPENDIX A
SOIL BORING LOGS

PARSONS ENGINEERING-SCIENCE DRILLING RECORD

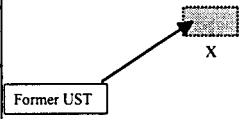
BORING NO. SP-1

Sheet 1 of 1

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
Location:	X= Boring SP-1
Weather	Snow, 30 Degrees
Date/Time Start	11/20/00 0920
Date/Time Finish	11/20/00 0950

GROUNDWATER OBSERVATIONS

Date				
Time				
Depth				



Photovac Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL	WELL DIAGRAM	COMMENTS
		0					Benronite well seal
		1					
	SS1		4.0'		Brown, gray, Silty Clay, some medium to fine Gravel, moist		1.5" SCH 40 PVC well riser
		2					
		3					
3.9 ppm		4					
		5					Sand
		6					
	SS2		4.0'		Brown, CLAY, some gray Silt		
		7					1.5" SCH 40 PVC well screen, 0.010" slot
246 ppm		8					
		9					
		10					
	SS3		4.0'		Wet/moist, brown, CLAY, some gray Silt, plastic odor		
		11					
275 ppm		12					PZ installed at 12' EOB at 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.

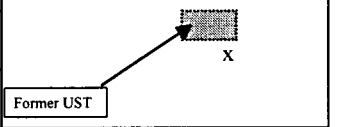
DRILLING RECORD

Contractor:	Zebra Environmental Corp.
Driller:	Chris Donovan
Inspector:	Andy Janik
Rig Type:	Geoprobe
Method:	Direct push

PROJECT NAME: konol Polyester Resins facility
PROJECT NUMBER: 737515

BORING NO. SP-2
Sheet 1 of 1
Location: X= Boring SP-2

Weather: Snow, 30 Degrees
Date/Time Start: 11/20/00 1000
Date/Time Finish: 11/20/00 1035



GROUNDWATER OBSERVATIONS				
Date				
Time				
Depth				

Photovac Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL	WELL DIAGRAM	COMMENTS
		0					Benronite well seal
		1					
	SS1		4.0'		Brown, CLAY, some medium Gravel, bits of concrete		1.5" SCH 40 PVC well riser
		2					
		3					
7.0 ppm		4					
		5					Sand
		6					
	SS2		4.0'		Moist, brown, CLAY, some fine Gravel		
		7					1.5" SCH 40 PVC well screen, 0.010" slot
149 ppm		8					
		9					
		10					
	SS3		4.0'		Moist, brown, CLAY, some gray Silt, some fine Gravel		
		11					
213 ppm		12					PZ installed at 12' EOB at 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.

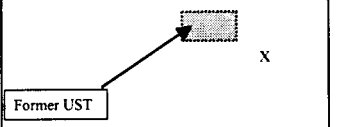
PARSONS ENGINEERING-SCIENCE DRILLING RECORD

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

BORING NO. SP-3
Sheet 1 of 1
Location: X= Boring SP-3

Weather: Snow, 30 Degrees
Date/Time Start: 11/20/00 1045
Date/Time Finish: 11/20/00 1100



GROUNDWATER OBSERVATIONS				
Date				
Time				
Depth				

Photovac Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL	WELL DIAGRAM	COMMENTS
		0					Benronite well seal
		1					
	SS1		4.0'		Moist, brown, CLAY, some fine Gravel		1.0" SCH 40 PVC well riser
		2					
		3					
4.9 ppm		4					
		5					Sand
		6					
	SS2		4.0'		Wet, brown, CLAY, some fine Gravel		1.0" SCH 40 PVC well screen, 0.010" slot
		7					
4.6 ppm		8					
		9					
		10					
	SS3		4.0'		Wet, brown, CLAY		
		11					
4.5 ppm		12					PZ installed at 12' EOB at 12'
		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

Contractor:	Zebra Environmental Corp.
Driller:	Chris Donovan
Inspector:	Andy Janik
Rig Type:	Geoprobe
Method:	Direct push

PROJECT NAME: konol Polyester Resins Facility
PROJECT NUMBER: 737515

BORING NO. SP-4

Sheet 1 of 1

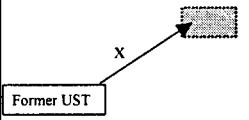
Location: X= Boring SP-4

GROUNDWATER OBSERVATIONS				
Date				
Time				
Depth				

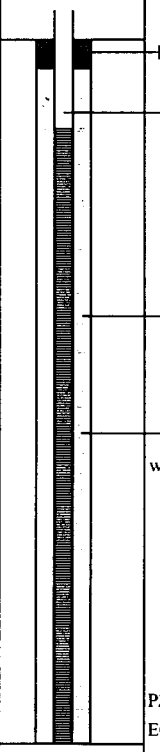
Weather: Snow, 30 Degrees

Date/Time Start: 11/20/00 1130

Date/Time Finish: 11/20/00 1145



Photovac Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL
		0			
		1			
	SS1		4.0'		Brown, CLAY, some medium to fine Gravel, pieces of asphalt
		2			
		3			
4.5 ppm		4			
		5			
		6			
	SS2		4.0'		Red, brown, CLAY, some fine gravel, trace of fine Sand
		7			
4.9 ppm		8			
		9			
		10			
	SS3		4.0'		Wet, red, brown, CLAY, some coarse Gravel, trace of fine Sand
		11			
4.6 ppm		12			
		13			
		14			
		15			
		16			
		17			
		18			
		19			



WELL DIAGRAM

COMMENTS

Bentonite well seal

1.5" SCH 40 PVC well riser

Sand

1.5" SCH 40 PVC well screen, 0.010" slot

PZ installed at 12'

EOB at 12'

STANDARD PENETRATION

SS = SPLIT SPOON

EOB=END OF BORING

PZ= PIEZOMETER

SUMMARY: 1.5" Temporary monitoring well installed.

Contractor:	Zebra Environmental Corp.	**PARSONS ENGINEERING-SCIENCE DRILLING RECORD**				**BORING NO.**	**SP-5**
Driller:	Chris Donovan						
Inspector:	Andy Janik	PROJECT NAME	Ekonol Polyester Resins Facility			Sheet 1 of 1	
Rig Type:	Geoprobe	PROJECT NUMBER	737515				
Method:	Direct push					Location: X= Boring SP-5	
GROUNDWATER OBSERVATIONS		Weather	Snow, 30 Degrees				
Date		Date/Time Start	11/20/00 1155			Former UST X	
Time							
Depth		Date/Time Finish	11/20/00 1215				

Photovac Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL	WELL DIAGRAM	COMMENTS
		0					Bentonite well seal
	SS1	1	4.0'		Brown, CLAY, some gray Silt, some fine Gravel		1.0" SCH 40 PVC well riser
		2					
		3					
3.9 ppm		4					
		5					Sand
	SS2	6	4.0'		Red, brown, CLAY, moist		
		7					1.0" SCH 40 PVC well screen, 0.010" slot
4.9 ppm		8					
		9					
	SS3	10	4.0'		Wet, red, brown, CLAY		
		11					
4.5 ppm		12					PZ installed at 12' EOB at 12'
		13					
		14					
		15					
		16					
		17					
		18					
		19					

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

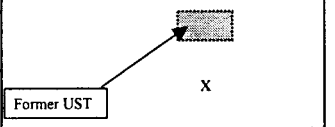
SUMMARY: 1" Temporary monitoring well installed.

PARSONS ENGINEERING-SCIENCE DRILLING RECORD

BORING NO. SP-6

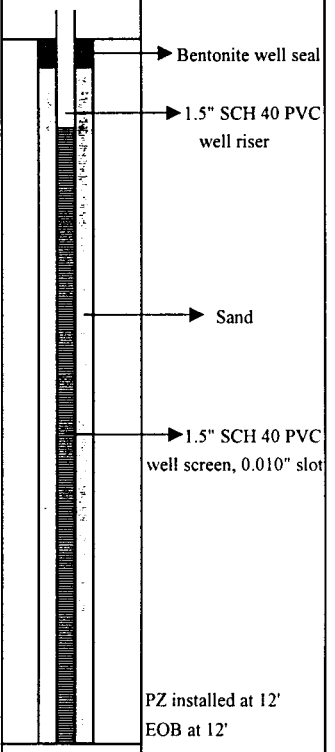
Sheet 1 of 1

Contractor:	Zebra Environmental Corp.
Driller:	Chris Donovan
Inspector:	Andy Janik
Rig Type:	Geoprobe
Method:	Direct push
PROJECT NAME	konol Polyester Resins Facility
PROJECT NUMBER	737515
Location:	X= Boring SP-6
Weather	Snow, 30 Degrees
Date/Time Start	11/20/00 1400
Date/Time Finish	11/20/00 1415



GROUNDWATER OBSERVATIONS				
Date				
Time				
Depth				

Photovac Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL	WELL DIAGRAM	COMMENTS
		0					
		1					
	SS1		4.0'		Brown, CLAY, some gray Silt		
		2					
		3					
6.4 ppm		4					
		5					
	SS2	6	4.0'		Brown, CLAY, some gray Silt, moist		
		7					
6.9 ppm		8					
		9					
	SS3	10	4.0'		Brown, CLAY, some fine Sand, moist		
		11					
21.5 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

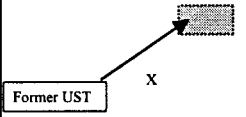
BORING NO. SP-7

Sheet 1 of 1

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
Location:	X= Boring SP-7
Weather	Snow, 30 Degrees
Date/Time Start	11/20/00 1430
Date/Time Finish	11/20/00 1515

GROUNDWATER OBSERVATIONS

Date				
Time				
Depth				



Photovac Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL
		0			
		1			
	SS1		4.0'		Brown, CLAY, some gray Silt
		2			
		3			
3.9 ppm		4			
		5			
		6			
	SS2		4.0'		Red, brown, CLAY, moist
		7			
4.7 ppm		8			
		9			
		10			
	SS3		4.0'		Red, brown, CLAY, moist
		11			
5.2 ppm		12			
		13			
		14			
		15			
		16			
		17			
		18			
		19			

WELL DIAGRAM

COMMENTS

- Bentonite well seal
- 1.5" SCH 40 PVC well riser
- Sand
- 1.5" SCH 40 PVC well screen, 0.010" slot
- PZ installed at 12'
- EOB at 12'

STANDARD PENETRATION

SS = SPLIT SPOON

EOB=END OF BORING

PZ= PIEZOMETER

SUMMARY: 1.5" Temporary monitoring well installed.

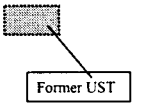
PARSONS ENGINEERING-SCIENCE DRILLING RECORD

Contractor:	Zebra Environmental Corp.
Driller:	Chris Donovan
Inspector:	Andy Janik
Rig Type:	Geoprobe
Method:	Direct push

PROJECT NAME: konol Polyester Resins Facility
PROJECT NUMBER: 737515

BORING NO. SP-8
Sheet 1 of 1
Location: X= Boring SP-8

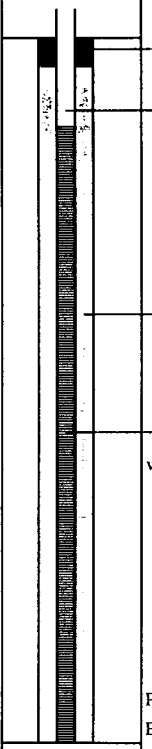
Weather: Snow, 30 Degrees
Date/Time Start: 11/20/00 1520
Date/Time Finish: 11/20/00 1544



GROUNDWATER OBSERVATIONS				
Date				
Time				
Depth				

Photovac Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL
		0			
		1			
	SS1		4.0'		Black/brown, CLAY
		2			
		3			
2.8 ppm		4			
		5			
		6			
	SS2		4.0'		Brown, CLAY
		7			
2.4 ppm		8			
		9			
		10			
	SS3		4.0'		Moist, brown, CLAY
		11			
3.8 ppm		12			
		13			
		14			
		15			
		16			
		17			
		18			
		19			

WELL DIAGRAM



COMMENTS

Bentonite well seal
1.5" SCH 40 PVC well riser
Sand
1.5" SCH 40 PVC well screen, 0.010" slot
PZ installed at 12'
EOB at 12'

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-9

Sheet 1 of 1

Contractor:	Zebra Environmental Corp.
Driller:	Chris Donovan
Inspector:	Andy Janik
Rig Type:	Geoprobe
Method:	Direct push

PROJECT NAME Ekonol Polyester Resins Facility

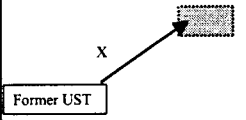
PROJECT NUMBER 737515

Location: X= Boring SP-9

Weather Snow, 30 Degrees

Date/Time Start 11/20/00 1550

Date/Time Finish 11/20/00 1620



GROUNDWATER OBSERVATIONS				
Date				
Time				
Depth				

Photovac Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL	WELL DIAGRAM	COMMENTS
		0					Bentonite well seal
	SS1	1	4.0'		Moist, brown, gray, CLAY		1.5" SCH 40 PVC well riser
1.9 ppm		4					
		5					Sand
	SS2	6	4.0'		Wet, red, brown, CLAY, some medium Gravel		1.5" SCH 40 PVC well screen, 0.010" slot
2.7 ppm		8					
		9					
	SS3	10	4.0'		Wet, brown, CLAY, some coarse Gravel		
2.1 ppm		12					
		13					PZ installed at 13' EOB at 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-10

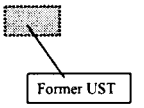
Sheet 1 of 1

Contractor: Zebra Environmental Corp.
Driller: Chris Donovan
Inspector: Andy Janik
Rig Type: Geoprobe
Method: Direct push

PROJECT NAME konol Polyester Resins Facility
PROJECT NUMBER 737515

Location: X= Boring SP-10

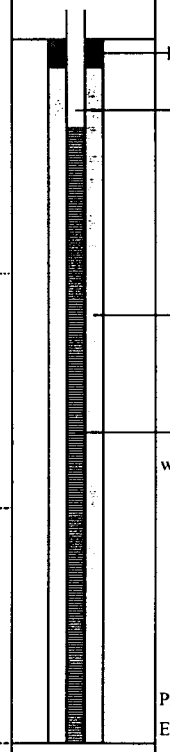
Weather Sun, Clouds 28 Degrees
Date/Time Start 11/22/00 0830
Date/Time Finish 11/22/00 0920



GROUNDWATER OBSERVATIONS				
Date				
Time				
Depth				

Photovac Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL
		0			
		1			
	SS1		4.0'		Brown, CLAY
		2			
		3			
2.1 ppm		4			
		5			
		6			
	SS2		4.0'		Red, brown, CLAY, some fine Gravel, moist
		7			
1.9 ppm		8			
		9			
		10			
	SS3		4.0'		Red, brown, CLAY, some medium Gravel, moist/wet
		11			
3.2 ppm		12			
		13			
		14			
		15			
		16			
		17			
		18			
		19			

WELL DIAGRAM



COMMENTS

Bentonite well seal
1.5" SCH 40 PVC well riser
Sand
1.5" SCH 40 PVC well screen, 0.010" slot
PZ installed at 12'
EOB at 12'

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-11

Sheet 1 of 1

Contractor:	Zebra Environmental Corp.
Driller:	Chris Donovan
Inspector:	Andy Janik
Rig Type:	Geoprobe
Method:	Direct push

PROJECT NAME Ekonol Polyester Resins Facility

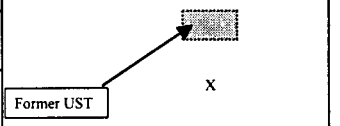
PROJECT NUMBER 737515

Location: X= Boring SP-11

Weather Sun, Clouds 28 Degrees

Date/Time Start 11/22/00 0920

Date/Time Finish 11/22/00 0950



GROUNDWATER OBSERVATIONS				
Date				
Time				
Depth				

Photovac Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL	WELL DIAGRAM	COMMENTS
		0					Bentonite well seal
		1					
	SS1		4.0'		Brown, gray, CLAY		1.5" SCH 40 PVC well riser
		2					
		3					
2.0 ppm		4					
		5					Sand
		6					
	SS2		4.0'		Red, brown, CLAY		
		7					1.5" SCH 40 PVC well screen, 0.010" slot
5.2 ppm		8					
		9					
		10					
	SS3		4.0'		Moist, red, brown, CLAY		
		11					
8.6 ppm		12					PZ installed at 12' EOB at 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.

Contractor:	Zebra Environmental Corp.				**PARSONS ENGINEERING-SCIENCE DRILLING RECORD**	**BORING NO.**	**SP-12**
Driller:	Chris Donovan						
Inspector:	Andy Janik				PROJECT NAME Ekonol Polyester Resins Facility	Sheet 1 of 1	
Rig Type:	Geoprobe				PROJECT NUMBER 737515		
Method:	Direct push					Location: X= Boring SP-12	
GROUNDWATER OBSERVATIONS					Weather Sun, Clouds 28 Degrees		
Date					Date/Time Start 11/22/00 0950	Former UST X	
Time							
Depth					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					Bentonite well seal
	SS1	1	4.0'		Red, brown, gray, CLAY		1.5" SCH 40 PVC well riser
		2					
		3					
1.7 ppm		4					
		5					Sand
	SS2	6	4.0'		Red, brown, CLAY		
		7					1.5" SCH 40 PVC well screen, 0.010" slot
1.8 ppm		8					
		9					
	SS3	10	4.0'		Moist, brown, CLAY		
		11					
2.3 ppm		12					PZ installed at 12.5'
							EOB at 12.5'
		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

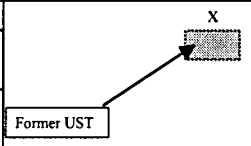
BORING NO. SP-16

Sheet 1 of 1

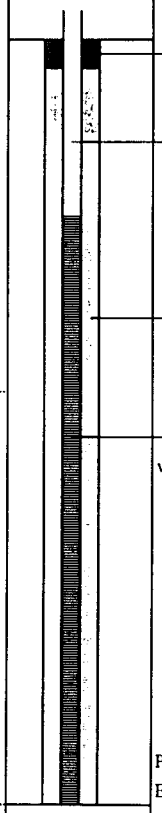
Contractor:	Zebra Environmental Corp.
Driller:	Chris Donovan
Inspector:	Andy Janik
Rig Type:	Geoprobe
Method:	Direct push
PROJECT NAME	Ekonol Polyester Resins Facility
PROJECT NUMBER	737515
Location:	X= Boring SP-16
Weather	Sun, Clouds 28 Degrees
Date/Time Start	11/22/00 1100
Date/Time Finish	11/22/00 1120

GROUNDWATER OBSERVATIONS

Date				
Time				
Depth				



Photovac Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL
		0			
		1			
		2			
		3			
	SS1		6.0'		Coarse Gravel and concrete, some brown, Clay
		4			
		5			
1.9 ppm		6			
		7			
		8			
		9			
		10			
	SS2		6.0'		Moist, brown, CLAY, some coarse Gravel
		11			
		12			
35.6 ppm		13			
		14			
		15			
		16			
		17			
		18			
		19			



WELL DIAGRAM

COMMENTS

Bentonite well seal

1.0" SCH 40 PVC well riser

Sand

1.0" SCH 40 PVC well screen, 0.010" slot

PZ installed at 13'

EOB at 13'

STANDARD PENETRATION

SS = SPLIT SPOON

EOB=END OF BORING

PZ= PIEZOMETER

SUMMARY: 1" Temporary monitoring well installed.

APPENDIX B
WELL SAMPLING RECORDS

1ST ROUND OF GROUNDWATER SAMPLING
11/27/00

WELL SAMPLING RECORD

Site Name *Ekonol Polyester Resins Facility* Well *SP-1*

Date *11/27/00*

Samplers *Andy Janik* Time *1555*

Total Well Depth (TOC)	*12.7* feet
Initial Static Water Level (TOC)	*2.21* 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* - *2.21* 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 1.0 (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	*6.8*
Temp. (F)	*51.5*
Spec. Cond. (uS/cm)	*1.15(x1000)*
Turbidity (NTU)	*-*

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

WELL SAMPLING RECORD

Site Name *Ekonol 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
tce;1,2-dce; 1,1-dca; 1,1,1-tca	*2-40ml vials*	*HCl*	*8260*
aniline; phenol	*2- amber L*	-	*8270*
Pb & Zn	*1-8oz Plast.*	*HNO_3*	*6010*

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 *Ekonol Polyester Resins Facility* Well *SP-4*

Date *11/27/00*

Samplers *Andy Janik* Time *1500*

Total Well Depth (TOC)	*11.7* feet
Initial Static Water Level (TOC)	*2.63* 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

= *11.7* - *2.63* x *0.092*

= *0.8* 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
tce;1,2-dce; 1,1-dca; 1,1,1-tca	*2-40ml vials*	*HCl*	*8260*
aniline; phenol	*2- amber L*	-	*8270*
Pb & Zn	*1-8oz Plast.*	*HNO_3*	*6010*

Field Parameters

pH	*6.62*
Temp. (F)	*52.7*
Spec. Cond. (uS/cm)	*2.27(x1000)*
Turbidity (NTU)	-

Comments: *Water is clear, slow recharge.*

WELL SAMPLING RECORD

Site Name *Ekonol 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
tce;1,2-dce; 1,1-dca; 1,1,1-tca	*2-40ml vials*	*HCl*	*8260*
aniline; phenol	*2- amber L*	-	*8270*
Pb & Zn	*1-8oz Plast.*	*HNO_3*	*6010*

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 *Ekonol Polyester Resins Facility* Well *SP-6*

Date *11/27/00*

Samplers *Andy Janik* 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
tce;1,2-dce; 1,1-dca; 1,1,1-tca	*2-40ml vials*	*HCl*	*8260*
aniline; phenol	*2- amber L*	-	*8270*
Pb & Zn	*1-8oz Plast.*	*HNO_3*	*6010*

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*

Date *11/27/00*

Samplers *Andy Janik* 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
tce;1,2-dce; 1,1-dca; 1,1,1-tca	*2-40ml vials*	*HCl*	*8260*
aniline; phenol	*2- amber L*	-	*8270*
Pb & Zn	*1-8oz Plast.*	*HNO_3*	*6010*

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 *Ekonol Polyester Resins Facility* Well *SP-11*

Date *11/27/00*

Samplers *Andy Janik* 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
tce;1,2-dce; 1,1-dca; 1,1,1-tca	*2-40ml vials*	*HCl*	*8260*
aniline; phenol	*2- amber L*	-	*8270*
Pb & Zn	*1-8oz Plast.*	*HNO3*	*6010*

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 *Ekonol Polyester Resins Facility* Well *SP-16*

Date *11/27/00*

Samplers *Andy Janik* 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
tce;1,2-dce; 1,1-dca; 1,1,1-tca	*2-40ml vials*	*HCl*	*8260*
aniline; phenol	*2- amber L*	-	*8270*
Pb & Zn	*1-8oz Plast.*	*HNO3*	*6010*

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 *Ekonol Polyester Resins Facility*

Well *SP-20 (Standpipe)*

Date *11/28/00*

Samplers *Andy Janik*

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
tce;1,2-dce; 1,1-dca; 1,1,1-tca	*2-40ml vials*	*HCl*	*8260*
aniline; phenol	*2- amber L*	-	*8270*
Pb & Zn	*1-8oz Plast.*	*HNO_3*	*6010*

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 *Ekonol Polyester Resins Facility* Well *SP-2*

Date *12/27/00*

Samplers *Andy Janik* 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 *Ekonol Polyester Resins Facility* Well *SP-5*

Date *12/27/00*

Samplers *Andy Janik* 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
tce;1,2-dce; 1,1-dca; 1,1,1-tca	*2-40ml vials*	*HCl*	*8260*
aniline; phenol	*2- amber L*	-	*8270*
Pb & Zn	*1-8oz Plast.*	*HNO_3*	*6010*

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 *Ekonol Polyester Resins Facility* Well *SP-6*

Date *12/27/00*

Samplers *Andy Janik* 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
tce;1,2-dce; 1,1-dca; 1,1,1-tca	*2-40ml vials*	*HCl*	*8260*
aniline; phenol	*2- amber L*	-	*8270*
Pb & Zn	*1-8oz Plast.*	*HNO_3*	*6010*

Field Parameters

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

Comments: *Water is clear, slow recharge.*

NR= No Reading

WELL SAMPLING RECORD

Site Name *Ekonol Polyester Resins Facility* Well *SP-7*

Date *12/27/00*

Samplers *Andy Janik* 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

= *13.0* - *5.93* 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 1.5 (dry) gallons

Sampling Data

Method *Peristaltic Pump*

Parameters	Bottle	Pres.	Method
tce;1,2-dce; 1,1-dca; 1,1,1-tca	*2-40ml vials*	*HCl*	*8260*
aniline; phenol	*2- amber L*	-	*8270*
Pb & Zn	*1-8oz Plast.*	*HNO_3*	*6010*

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 *Ekonol Polyester Resins Facility* Well *SP-11*

Date *12/27/00*

Samplers *Andy Janik* 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
tce;1,2-dce; 1,1-dca; 1,1,1-tca	*2-40ml vials*	*HCl*	*8260*
aniline; phenol	*2- amber L*	-	*8270*
Pb & Zn	*1-8oz Plast.*	*HNO_3*	*6010*

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 *Ekonol Polyester Resins Facility* Well *SP-12*

Date *12/27/00*

Samplers *Andy Janik* 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
tce;1,2-dce; 1,1-dca; 1,1,1-tca	*2-40ml vials*	*HCl*	*8260*
aniline; phenol	*2- amber L*	-	*8270*
Pb & Zn	*1-8oz Plast.*	*HNO_3*	*6010*

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

Ekonol Polyester Resins Facility - Wheatfield, NY
Soil Analytical Data

Casno	Compound		Sample ID: / Lab Sample Id / Depth: / Source: / SDG: / Matrix: / Sampled: / Validated: / Units:	SP-1 (4'-8') A0854401 4-8' STL Buffalo A00-8544 Soil 11/20/00	SP-1 (4'-8')DL A0854401DL 4-8' STL Buffalo A00-8544 Soil 11/20/00	SP-2 (8'-12') A0854402 8-12' STL Buffalo A00-8544 Soil 11/20/00	SP-2 (8'-12')DL A0854402DL 8-12' STL Buffalo A00-8544 Soil 11/20/00	SP-3 (4'-8') A0854403 4-8' STL Buffalo A00-8544 Soil 11/20/00	SP-3 (4'-8')DL A0854403DL 4-8' STL Buffalo A00-8544 Soil 11/20/00
	VOLATILES								
75-34-3	1,1-Dichloroethane		UG/KG	6 U	1500 U	800 U		12	780 U
540-59-0	1,2-Dichloroethene (Total)		UG/KG	4100 E	860 DJ	1700		1600 E	640 DJ
71-55-6	1,1,1-Trichloroethane		UG/KG	6 U	1500 U	800 U		71	780 U
79-01-6	Trichloroethene		UG/KG	19000 E	39000 D	19000		1300 E	1100 D
	SEMIVOLATILES								
62-53-3	Aniline		UG/KG	130 J	400 U	330 U	860 U	330 U	
108-95-2	Phenol		UG/KG	12000 E	16000 D	40000 E	49000 D	130 J	
	METALS								
7439-92-1	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 / Depth: / Source: / SDG: / Matrix: / Sampled: / Validated: / Units:	SP-4 (4'-8') / A0854404 / 4-8' / STL Buffalo / A00-8544 / Soil / 11/20/00	SP-4 (4'-8')DL / A0854404DL / 4-8' / STL Buffalo / A00-8544 / Soil / 11/20/00	SP-4 (4'-8')DLX / A0854404K / 4-8' / STL Buffalo / A00-8544 / Soil / 11/20/00	SP-5 (4'-8') / A0854405 / 4-8' / STL Buffalo / A00-8544 / Soil / 11/20/00	SP-5 (4'-8')DL / A0854405DL / 4-8' / STL Buffalo / A00-8544 / Soil / 11/20/00	SP-6 (8'-12') / A0854406 / 8-12' / STL Buffalo / A00-8544 / Soil / 11/20/00
	VOLATILES								
75-34-3	1,1-Dichloroethane		UG/KG	7 U	32 U	910 U	6 U	750 U	790 U
540-59-0	1,2-Dichloroethene (Total)		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	Trichloroethene		UG/KG	1300 E	1400 DE	1500 D	1400 E	970 D	2100
	SEMIVOLATILES								
62-53-3	Aniline		UG/KG	330 U			330 U		330 U
108-95-2	Phenol		UG/KG	330 U			330 U		330 U
	METALS								
7439-92-1	Lead - Total		MG/KG	8.4			8.8		9.1
7441-66-6	Zinc - Total		MG/KG	49.6			55.1		63.8

"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 / Depth: / Source: / SDG: / Matrix: / Sampled: / Validated: / Units:	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					
75-34-3	1,1-Dichloroethane		UG/KG	6 U	760 U	750 U
540-59-0	1,2-Dichloroethene (Total)		UG/KG	140	5800	29000
71-55-6	1,1,1-Trichloroethane		UG/KG	6 U	760 U	750 U
79-01-6	Trichloroethene		UG/KG	100	1800	680 J
	SEMIVOLATILES					
62-53-3	Aniline		UG/KG	330 U	330 U	77 J
108-95-2	Phenol		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

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

Casno	Compound		Sample ID:	SP-1	SP-1DL	SP-2	SP-2DL	SP-3	SP-4
			Lab Sample Id	A0856303	A0856303DL	A0856309	A0856309DL	A0856308	A0856306
			Depth:						
			Source:	STL Buffalo	STL Buffalo	STL Buffalo	STL Buffalo	STL Buffalo	STL Buffalo
			SDG:	A00-8563	A00-8563	A00-8563	A00-8563	A00-8563	A00-8563
			Matrix:	Water	Water	Water	Water	Water	Water
			Sampled:	11/27/00	11/27/00	11/27/00	11/27/00	11/27/00	11/27/00
			Validated:						
			Units:						
	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		
540-59-0	1,2-Dichloroethene (Total)		UG/L	3500 E	38000 D	83000 E	230000 D	320	4 J
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	8.4 J	5 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	4.8 J	1.4 J
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		
1330-20-7	Total Xylenes		UG/L	15 U	160 U	40 U	1600 U		

Ekonol 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-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
	SEMIVOLATILES								
62-53-3	Aniline		UG/L					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		

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

Casno	Compound		Sample ID:	SP-1	SP-1DL	SP-2	SP-2DL	SP-3	SP-4
			Lab Sample Id	A0856303	A0856303DL	A0856309	A0856309DL	A0856308	A0856306
			Depth:						
			Source:	STL Buffalo	STL Buffalo	STL Buffalo	STL Buffalo	STL Buffalo	STL Buffalo
			SDG:	A00-8563	A00-8563	A00-8563	A00-8563	A00-8563	A00-8563
			Matrix:	Water	Water	Water	Water	Water	Water
			Sampled:	11/27/00	11/27/00	11/27/00	11/27/00	11/27/00	11/27/00
			Validated:						
			Units:						
	SEMIVOLATILES CONT'D								
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 "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
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
	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	20 U	27 J		36	160 DJ	25 U
108-05-4	Vinyl acetate		UG/L						
75-01-4	Vinyl chloride		UG/L						
1330-20-7	Total Xylenes		UG/L						

Ekonol 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
	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						

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

			Sample ID:	SP-4DL	SP-5	SP-5DL	SP-6	SP-6DL	SP-7
			Lab Sample Id	A0856306DL	A0856307	A0856307DL	A0856301	A0856301DL	A0856305
			Depth:						
			Source:	STL Buffalo	STL Buffalo	STL Buffalo	STL Buffalo	STL Buffalo	STL Buffalo
			SDG:	A00-8563	A00-8563	A00-8563	A00-8563	A00-8563	A00-8563
			Matrix:	Water	Water	Water	Water	Water	Water
			Sampled:	11/27/00	11/27/00	11/27/00	11/27/00	11/27/00	11/27/00
			Validated:						
Casno	Compound		Units:						
	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-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		1700 E	250 D	4 J		7 J
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		0.21		0.01 U		0.018
7441-66-6	Zinc - Total		MG/L		1.4		0.026 U		0.11

"ND"= Compound was analyzed for, but not detected "J"= Indicates
"D"= Compound was identified in an analysis at the secondary dilution factor

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

Casno	Compound		Sample ID:	SP-11	SP-11DL	SP-16	SP-16DL	SP-20	TRIP BLANK
			Lab Sample Id	A0856302	A0856302DL	A0856304	A0856304DL	A0858602	A0856310
			Depth:						
			Source:	STL Buffalo	STL Buffalo	STL Buffalo	STL Buffalo	STL Buffalo	STL Buffalo
			SDG:	A00-8563	A00-8563	A00-8563	A00-8563	A00-5256	A00-8563
			Matrix:	Water	Water	Water	Water	Water	Water
			Sampled:	11/27/00	11/27/00	11/27/00	11/27/00	11/28/00	11/27/00
			Validated:						
			Units:						
	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						5 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						10 U
100-42-5	Styrene		UG/L						5 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

Ekonol 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
	SEMIVOLATILES								
62-53-3	Aniline		UG/L	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						

Ekonol 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
	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-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	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	

"ND"= Compound was analyzed for, but not detected "J"= Indicates
"D"= Compound was identified in an analysis at the secondary dilution factor