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QUARTERLY MONITORING REPORT SECOND QUARTER - 1998

BEDROCK MONITORING DATA

- **NAPL PLUME CONTAINMENT SYSTEM**
- **APL PLUME CONTAINMENT SYSTEM**

OVERBURDEN MONITORING DATA

- **OVERBURDEN BARRIER COLLECTION SYSTEM**
- **COMMUNITY MONITORING PROGRAM**
- **LEACHATE TREATMENT SYSTEM**

**Hyde Park RRT Program
Niagara Falls, New York**

**OCTOBER 1998
REFERENCE NO. 1069 (252)**

EXECUTIVE SUMMARY

BEDROCK MONITORING SYSTEMS

NAPL PLUME CONTAINMENT SYSTEM

Hydraulic monitoring was performed during each of the three months comprising the second quarter (April, May, and June) of 1998. Chemical and NAPL presence monitoring of the NAPL Plume Containment System at the Hyde Park Landfill (Site) were performed between May 13 and 20, 1998.

Hydraulic monitoring revealed that six of eight upper bedrock well pairs, six of eight middle bedrock pairs, and three of six lower bedrock well pairs exhibited inward hydraulic gradients during the second quarter of 1998. Changes to the gradient monitoring well pairs and long-term operation of the two proposed upper bedrock purge wells in the vicinity of PW-6UMR are expected to affect several of the outstanding well pairs, thus further increasing the number of well pairs exhibiting the inward hydraulic gradients.

Groundwater samples were collected from 22 bedrock monitoring wells for chemical analyses. NAPL presence checks were conducted at 42 bedrock wells. NAPL was present in three wells, all within the July 1995 redefined NAPL plume.

The next round of chemical sampling and NAPL presence checks for NAPL Plume Containment System monitoring will be conducted in August 1998, with hydraulic monitoring continuing to be performed monthly.

APL PLUME CONTAINMENT SYSTEM

Hydraulic and seep flow performance monitoring of the APL Plume Containment System were performed weekly during the second quarter of 1998. Quarterly chemical monitoring was performed on June 12, 1998.

Hydraulic monitoring revealed that all four monitoring well pairs exhibited inward gradients for all 12 monitoring events. Seep flows exhibited decreased flows as compared to the previous quarter.

The composite sample collected from the two APWs and five AFWs did not detect any chemicals above required monitoring levels. APL Plume Flux calculations were not required.

OVERBURDEN MONITORING SYSTEMS

OVERBURDEN BARRIER COLLECTION SYSTEM

Hydraulic monitoring of the Overburden Barrier Collection System (OBCS) Monitoring Wells revealed inward hydraulic gradients at four of eight well pairs and downward hydraulic gradients at two of the other four well pairs.

COMMUNITY MONITORING PROGRAM

Hydraulic monitoring of the Community Monitoring Wells (CMWs) revealed either downward hydraulic gradients or dry wells. Air samples were collected from the two dry monitoring well locations. The air samples were non-detect.

LEACHATE TREATMENT SYSTEM

Chemical monitoring of the Leachate Treatment System was performed on a daily, weekly and monthly basis at midpoint and effluent locations. No exceedances of any parameters at any location were reported.

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1.0 INTRODUCTION

Overburden and bedrock monitoring reports for the NAPL and APL Plume Containment Systems have been submitted quarterly since 1996. The bedrock and overburden monitoring data collected during the second quarter of 1998 is presented in this report. This report is prepared for Glenn Springs Holdings, Inc. (GSHI), which has been assigned the responsibility of managing the Hyde Park Remedial Program.

2.0 NAPL PLUME CONTAINMENT SYSTEM

Hydraulic monitoring of the bedrock performance well pairs located at the perimeter of the NAPL plumes is performed to verify that the operation of the bedrock purge well system creates and maintains an inward hydraulic gradient toward the purge wells. Chemical monitoring and NAPL presence checks are performed to supplement the hydraulic evaluation as other indicators of overall system performance. This report presents the tenth round of monitoring data (since the first quarter of 1996) from the revised performance monitoring well network.

2.1 PURGE WELL OPERATIONS

The complete network of 11 bedrock purge wells had been operated continuously since the second quarter of 1997, until pumping at PW-6UMR was stopped on December 15, 1997 due to NAPL presence at the bottom of the borehole. A corehole investigation was initiated during the first quarter of 1998 to determine the vertical and horizontal extent of the NAPL present in the area around PW-6UMR. The investigation will ultimately result in the installation of one upper bedrock purge well, one middle bedrock purge well, and one NAPL recovery well (existing PW-6UMR). Well installations were completed during the second quarter of 1998 and forcemain design is ongoing.

In addition to the difficulties encountered at PW-6UMR, two other purge wells were not operating during the second quarter of 1998. Operations at PW-2UR were terminated on June 5, 1998 due to a programming error (the pump would not turn off so that the motor burned out), and was restarted on August 25, 1998 after the situation was corrected. PW-2L was turned off on May 17, 1998 after pump system failure due to what was thought to be excessive NAPL presence, and remains off at this time. GSHI has monitored NAPL presence in PW-2L to evaluate future pumping or NAPL removal operations, but has not resumed continuous pumping while the evaluation is underway.

The Hyde Park treatment facility historically had a treatment capacity of 80 to 100 gallons per minute (gpm), which was upgraded to 150 gpm during the first quarter of 1998. The upgraded system was reactivated on March 9, 1998, with 10 bedrock purge wells resuming full rate pumping (all except PW-6UMR). The average pumping rates for the past 3 months at each of the bedrock purge wells are presented in Table 2.1.

2.2 MONITORING WELL LOCATIONS

Figures 2.1, 2.2, and 2.3 present the locations of the current system of upper, middle, and lower bedrock purge and monitoring wells for the NAPL Plume Containment System. The letters A to J designate vectors, while U, M, and L specify the upper, middle, or lower bedrock monitoring intervals. The outer ring of bedrock wells along each vector are the required Performance Monitoring Wells for chemical monitoring. (The referenced vectors are lines radiating from the landfill which were used historically for the drilling investigation and plume delineation).

The adjacent inner wells along each vector form piezometer pairs with the outer performance wells in order to monitor gradients within the three bedrock zones. Therefore, monthly water level measurements continued to be taken at all bedrock monitoring wells during the past 3 months.

NAPL presence monitoring was also conducted this quarter, as discussed in Section 2.3.3.

2.3 HYDRAULIC MONITORING

2.3.1 WATER LEVEL MEASUREMENTS

Hydraulic monitoring was performed on April 8, May 5, and June 2, 1998. Water levels were measured in all 42 wells using an electric water level gauge. The measured water level depths were recorded in a bound field notebook and then converted to elevations based on surveyed reference points (tops of casings). Appendix A presents the hydraulic monitoring data for the bedrock performance wells.

2.3.2 GRADIENT EVALUATION

A review of the hydraulic monitoring data for the second quarter of 1998, shows that an inward hydraulic gradient has been achieved along the majority of the vectors in the three bedrock zones. Table 2.2 summarizes the second quarter hydraulic gradients.

In the upper bedrock zone, an inward hydraulic gradient was present in six of the eight piezometer pairs for all three monitoring events. The E and F vector well pairs did not exhibit inward gradients but these vector well pairs are influenced by the operation of

purge well PW-5UR and PW-6UMR. PW-6UMR was shutdown during this quarter due to excessive NAPL presence and PW-5UR was operated inefficiently this quarter (between 35 and 55 percent of its 1997 average pumping capacity) because the control set point was too high. (This has subsequently been adjusted from 569 feet to 559 feet). As a result, the inner wells did not experience depressed water levels and inward gradients could not be achieved.

In the middle bedrock zone, an inward hydraulic gradient was present in six of the eight piezometer pairs for all three monitoring events. Gradients along the D vector have historically been shallow inward gradients. Of the three outward gradients measured at the D vector well pair this quarter, two were very shallow outward gradients (0.01 and 0.03 feet) and similar to the recorded historical gradients. (The third outward gradient (0.44 feet) is considered an anomaly). Gradients for the E vector have historically been outward and it is hoped that pumping at the future middle bedrock well in the vicinity of PW-6UMR will reverse this trend.

In the lower bedrock zone, an inward hydraulic gradient was present in three of the six piezometer pairs during two of three monitoring events. The gradient along the D vector was inward for one of three monitoring events (April). This vector has consistently fluctuated between inward and outward. The gradient along the G vector has continued to be outward, although this is not consistent with the gradients observed in the upper and middle bedrock zones along this same vector. Future monitoring, following commencement of operation of the new purge wells in the vicinity of PW-6UMR, may reverse this trend. It does not appear that the gradient in the lower bedrock zone northeast of the Site (J vector) will be affected by the pumping activities west and south of the Hyde Park Landfill Site. The outward gradient along this vector is not consistent with the northwesterly regional groundwater gradient.

2.3.3 NAPL PRESENCE CHECKS

Prior to any purging or sampling activities, a check for NAPL presence was performed at each performance well using a 3-inch long, 2-inch diameter bailer. The bailer was lowered to the bottom of the well using a nylon rope and upon retrieval the outer surface of the bailer and its contents were visually examined for the presence of NAPL. NAPL was not observed to be present in any of the outer wells, or those inner wells which are beyond the limits of the redefined NAPL plume.

2.4 CHEMICAL MONITORING

2.4.1 GROUNDWATER PURGING

The standing volume of groundwater contained within each outer monitoring well was calculated based on water level measurements taken prior to any disturbance of the water surface. Each well was purged of a minimum of three standing volumes of water using a 2-inch diameter submersible pump. In all cases, the pump intake was set approximately 1 foot from the bottom of the well. Purge water quality was recorded in the field book as water was discharged into polyethylene storage tanks staged at each well location. Purging methods and water volumes removed for each well are summarized in Table 2.3. All purged groundwater was subsequently removed from the staged tanks and transported to the Site in a double-walled containment trailer for disposal at the Hyde Park Treatment Facility.

2.4.2 SAMPLING PROCEDURES

Following groundwater purging, sampling was conducted using the same pump as was used for purging at each corresponding well. A field record of pH, conductivity, and temperature was made immediately prior to collecting the samples for chemical analyses (i.e., at the end of purging), along with the observed water quality. The sample key, pH, conductivity, temperature, and water quality observations are summarized in Table 2.4.

The collected samples were sent to Recra Labnet for analysis of the NAPL Plume Effectiveness Parameters, as defined in the RRT Stipulation (Section 9.2). Total organic halides (TOX) and phenol samples were preserved with sulphuric acid (H_2SO_4) to a pH of less than 2. All samples were transported to the analytical facilities in coolers maintained at approximately 4°C, in accordance with chain-of-custody protocols.

2.4.3 QUALITY ASSURANCE/QUALITY CONTROL

During the sampling program, quality assurance/quality control (QA/QC) samples were collected at a frequency of 10 percent. As a result, a total of two field duplicate samples, two equipment rinsate blank samples, and one matrix spike/matrix spike duplicate (MS/MSD) sample, were collected. These QA/QC samples are identified in Table 2.4. Duplicate samples were given blind label identities.

2.4.4 EQUIPMENT CLEANING

The 2-inch diameter submersible pump was decontaminated in accordance with established procedures approved by the New York State Department of Health (NYSDOH).

2.4.5 PROGRAM MODIFICATIONS

All well purging and sampling activities were conducted in accordance with the methodologies indicated in Sections 2.4.1 and 2.4.2.

2.4.6 ANALYTICAL RESULTS

The analytical results of this second quarter chemical monitoring event for 1998 are summarized in Table 2.5. In addition, the cumulative table of all the quarterly sampling events are presented in Appendix B. The analytical data was reviewed for conformance to standard QA/QC protocols and copies of the resultant data validations are kept on file at the Hyde Park Landfill Site.

2.5 CONCLUSIONS

This report presents the tenth round of monitoring data for the revised NAPL Plume Containment System monitoring network. Operation of two new purge wells in the vicinity of PW-6UMR will commence in the third or fourth quarter of 1998. Upon achievement of hydraulic stabilization of the revised system, final determinations regarding the status of hydraulic gradients will be possible.

The water levels in the operating bedrock purge wells were generally at or close to their set drawdown levels during April, May, and June. The only exception occurred at PW-5UR, where the set point was too high but has subsequently been adjusted.

Hydraulic monitoring revealed that six of eight upper bedrock well pairs, six of eight middle bedrock pairs, and three of six lower bedrock well pairs exhibited inward hydraulic gradients during the second quarter of 1998. Changes to the gradient

monitoring well pairs and long-term operation of the two proposed bedrock purge wells in the vicinity of PW-6UMR is expected to affect several of the outstanding well pairs, thus further increasing the number of well pairs achieving inward gradients.

NAPL presence checks were conducted at 42 wells. NAPL was present in three of the wells, all within the July 1995 redefined NAPL plume.

2.6 RECOMMENDATIONS

Water levels will continue to be collected monthly for the well pairs along each vector in all three bedrock zones. The next quarterly monitoring report for the NAPL Plume Containment System is scheduled for November 1998, following receipt of analytical data from chemical samples collected in August 1998. Groundwater contour maps will be provided annually to support the continued assertion that groundwater has been contained.

Hydraulic monitoring will continue at the current frequency until at least four quarterly monitoring periods have been completed following the commencement of the redesigned system operation. Thereafter, a decision may be made regarding a reduction in the frequency of hydraulic monitoring (i.e., water level measurements) to quarterly, coincident with the chemical monitoring.

3.0 APL PLUME CONTAINMENT SYSTEM

The APL Plume Containment System consists of two purge wells (APW-1 and APW-2), and four monitoring well pairs (ABP-1/ABP-2, ABP-3/ABP-4, ABP-5/ABP-6, and ABP-7/ABP-8) as shown on Figure 3.1. The performance criteria for the APL Plume Containment System (remediated APL Plume) is to achieve flow convergence towards the purge wells and eliminate seepage at the Gorge Face to the extent practicable.

The remaining APL plume, oriented toward the east of the Site and located south of the remediated APL plume, is monitored by three nests of APL Flux Monitoring Wells (AFW-1U/1M/1L, AFW-2U/2M/2L, and AFW-3U/3M/3L), as shown on Figure 3.2. The performance criteria for the APL Flux Monitoring Wells (AFWs) is to monitor the APL plume flux to the Niagara River through chemical sampling and to determine whether the flux measured in these wells exceeds the Flux Action Levels specified in the RRT Stipulation.

3.1 PURGE WELL OPERATIONS

During the second quarter of 1998, pump operations were continuous and groundwater levels within each purge well were maintained within their respective goal levels.

3.2 HYDRAULIC MONITORING

3.2.1 WATER LEVEL MEASUREMENTS

Weekly groundwater elevations were measured and the calculated hydraulic gradients for the eight ABPs are presented in Table 3.1. The recorded APW groundwater elevations are also provided for reference. Groundwater levels were also recorded at the nine AFWs in order to calculate the standing volume of groundwater in a well prior to sample collection.

3.2.2 GRADIENT EVALUATION

A review of the weekly hydraulic monitoring data for the second quarter of 1998 shows that inward hydraulic gradients were present at all four monitoring well pairs (ABP-1/ABP-2, ABP-3/ABP-4, ABP-5/ABP-6, and ABP-7/ABP-8) for all 12 monitoring events.

3.2.3 SEEP FLOWS

The four primary gorge face seeps were also inspected weekly in conjunction with hydraulic monitoring, and the flow rate was visually estimated. The visually inspected Gorge Face seep locations are shown on Figure 3.3 and a summary of the estimated flow rates is presented in Table 3.2. A review of the seep flow data for the second quarter of 1998 shows decreased seep flow rates in comparison to the previous quarter with Seeps-1 and 3 being typically dry and Seeps-2 and 4 having both decreased.

3.3 CHEMICAL MONITORING

3.3.1 GROUNDWATER PURGING

Groundwater purging prior to sampling was performed using the same protocols as described previously for the bedrock performance wells (Section 2.4.1). Purging methods and water volumes removed for each well are summarized in Table 3.3.

3.3.2 SAMPLING PROCEDURES

The required contributing volume from each well was determined for the composite sample prior to initiation of groundwater sampling from the two APWs and five of the nine AFWs. The volumes presented in Table 3.4 were calculated based on the percentage of cross-sectional contributing area of groundwater flow past each well (calculation provided in previous report) as compared to the total groundwater flow towards the Niagara River Gorge Face represented by all seven wells.

Groundwater sampling was performed using the same protocols as described previously for the bedrock performance wells (Section 2.4.2), with the exception of the two APWs where samples were collected from the discharge of the operating pumps. The sample key, pH, conductivity, temperature, and water quality observations are summarized in Table 3.5.

A composite sample was collected in one large jar from the five AFWs and two APWs, consisting of representative groundwater volumes from each well, except for samples for volatile organic compound (VOC) analysis, which were submitted individually for

compositing at the laboratory (the laboratory was given the predetermined percentages) to ensure any VOCs present were preserved. Analyses was performed at Recra Labnet for the APL Plume Flux Parameters and APL Plume Monitoring Parameters, as defined in the RRT Stipulation (Sections 9.3 and 9.4), with the exception of 2,3,7,8-TCDD analyses which were performed by Alta labs.

3.3.3 QUALITY ASSURANCE/QUALITY CONTROL

QA/QC duplicate samples were not collected during this quarter, as sufficient QA/QC samples were performed during previous quarters.

3.3.4 EQUIPMENT CLEANING

Equipment cleaning was performed in accordance with established procedures approved by the NYSDOH.

3.3.5 ANALYTICAL RESULTS

The analytical results for the second quarter 1998 APL Plume Containment System monitoring event are summarized in Table 3.6. None of the APL Plume Monitoring Parameters were detected above the monitoring levels.

3.3.6 APL PLUME FLUX CALCULATIONS

There were no exceedances of APL Plume Flux Parameter detection levels during this second quarter of 1998 and as such chemical flux calculations were not required.

3.4 CONCLUSIONS

The APL Plume Containment System (remediated APL Plume) achieved flow convergence towards the purge wells, as demonstrated by hydraulic monitoring at the monitoring well pairs, and reduced Gorge Face seeps to the extent practicable.

- Inward hydraulic gradients were achieved at all four monitoring well pairs for all 12 monitoring events; and

- Gorge Face seeps exhibited decreased flows as compared to the previous quarter.

There were no detections above the monitoring levels for the APL Plume Monitoring Parameters, such that a calculation of chemical flux to the Niagara River was not required.

3.5 RECOMMENDATIONS

It is recommended that the same five AFWs, along with the two APW purge wells, form the composite sample during future APL Plume Containment System monitoring events, based on hydraulic conductivities measured in the third quarter of 1997. In addition, the frequency of water level measurements should be reduced to monthly as inward gradients are now being maintained.

4.0 OVERBURDEN MONITORING DATA

The required quarterly overburden monitoring reports include monitoring data for the following programs:

- i) Overburden Barrier Collection System (Section 4.1),
- ii) Community Monitoring Program (Section 4.2), and
- iii) Leachate Treatment System (Section 4.3).

This report presents the tenth round of overburden monitoring data and covers the months of April, May, and June (second quarter) 1998.

4.1 OVERBURDEN BARRIER COLLECTION SYSTEM

Hydraulic monitoring of the Overburden Barrier Collection System (OBCS) is performed by water level measurements at the OBCS Monitoring Wells (OMWs) installed around the Hyde Park Landfill Site. Eight well pairs are located beyond the OBCS alignment, with one well from each pair installed within the overburden aqueous phase liquid (APL) plume limits and the second of each pair installed outside these limits. The purpose of these wells is to demonstrate that an inward hydraulic gradient is created at the APL plume boundary towards the operating OBCS. Figure 4.1 presents the 16 OMW locations in relationship to the OBCS.

The first quarter 1997 overburden monitoring report proposed that six replacement overburden monitoring wells be installed. During the first quarter of 1998, wells OMW-4R, OMW-5R, OMW-8R, OMW-10R, OMW-12R, and OMW-16R (see Figure 4.1) were installed and water level monitoring commenced immediately thereafter. This report presents the first full quarter of gradient data including these six replacement wells.

4.1.1 WATER LEVEL MONITORING AND GRADIENT EVALUATION

Appendix C contains a table of the recorded water level elevations, including a calculation of the horizontal hydraulic gradient between each well pair (note: a negative number indicates an inward gradient). Additionally, some shallow bedrock wells (also shown on Figure 4.1) are being monitored at locations where an inward horizontal hydraulic gradient does not exist. These wells are being monitored in order to

demonstrate the presence of a downward vertical hydraulic gradient (negative number). This table presents all historic water level elevations, as well as those measured this quarter. Table 4.1 summarizes the second quarter hydraulic gradients.

From Table 4.1, it can be seen that an inward horizontal hydraulic gradient within the overburden regime has been achieved this past quarter at four of the eight monitoring well pairs as follows:

OMW-1/OMW-2;
OMW-3/OMW-4R;
OMW-5R/OMW-6; and
OMW-10R/OMW-9.

In addition, Table 4.1 indicates the presence of a downward vertical hydraulic gradient from the overburden to the bedrock at two other monitoring well pairs where an inward gradient was not present as follows:

OMW-8R/OMW-7; and
OMW-12R/OMW-11.

Hydraulic gradients were outward for well pair OMW-13R/OMW-14R for the last two monitoring events this quarter. OMW-13R was inaccessible during the first monitoring event and as such a gradient could not be calculated. May and June represent the first two months for which a gradient could be calculated since September 1997 due to OMW-13R being inaccessible. The gradient at this well pair has historically fluctuated between inward and outward. The June gradient (outward 1.13 feet) was an improvement compared to the May gradient (outward 3.51 feet). As stated in the first quarter monitoring report, GSHI has made arrangements with TAM Ceramics to ensure that these wells are accessible in the future. Consecutive monthly monitoring of this well pair is required prior to determination of whether an inward gradient is consistently present. The second quarter represented the first quarter for which gradients were calculated at new well pair OMW-15/OMW-16R. The gradient trend (2.89, 1.06 and -1.11 feet) for the months of April, May and June respectively, indicates that the gradient trend is inward; however, future long-term monitoring of this well pair is required prior to determination of whether consistent inward gradients will be achieved.

4.1.2 CONCLUSIONS

A review of the hydraulic monitoring data for the second quarter of 1998, shows that inward horizontal gradients were present at four of the eight monitoring well pairs and downward vertical hydraulic gradients were achieved at two of the four remaining monitoring well pairs.

4.2 COMMUNITY MONITORING PROGRAM

Eight nests of Community Monitoring Wells (CMWs), one overburden and one shallow bedrock well, are located in the residential community areas around the Hyde Park Landfill Site, with two additional shallow bedrock wells being installed later. These wells provide an early warning for possible APL plume migration toward residential areas. Figure 4.2 presents the 18 CMW locations in relationship to the Hyde Park Landfill Site. The overburden wells are screened to within one foot of the top of bedrock or permeable material overlying the bedrock, while the shallow bedrock wells extend approximately 15 feet below the top of bedrock.

4.2.1 GRADIENT EVALUATION AND SAMPLE COLLECTION

The current data collection activities required for the Residential Community Monitoring Program are as follows:

- a) quarterly hydraulic monitoring of overburden and bedrock groundwater elevations;
- b) where no overburden groundwater is present, soil air samples will be collected and analyzed; and
- c) annual groundwater sampling and analysis of overburden well CMW-2OB located near the intersection of Hyde Park Boulevard and New Road.

The quarterly hydraulic monitoring results are presented in Appendix D, and include all historic water level elevations. The calculation of vertical hydraulic gradients (negative number indicates downward) shows that the required downward hydraulic gradient was present this past quarter at all well pairs where water levels were measured.

At two CMW locations (CMW-7OB and CMW-8OB), the overburden wells typically contain no groundwater indicating unsaturated conditions in the overburden soils in

these areas. Table 4.2 presents the analytical data for the soil air samples collected from these two overburden wells. All parameters were non-detect at both well locations this past quarter and have historically always been "clean".

A final requirement of the RRT Stipulation is the collection of a groundwater sample from CMW-2OB, the overburden well located near the intersection of Hyde Park Boulevard and New Road. This activity is required annually, and will next be conducted in August 1998.

4.2.2 CONCLUSIONS

The required downward hydraulic gradient was present where water levels were measured. At the two typically dry well nest locations (CMW-7 and CMW-8), collected air samples were reported as non-detect for all analyzed parameters.

4.3 LEACHATE TREATMENT SYSTEM

During continuing operations at the Hyde Park Leachate Storage and Handling Facility, the midpoint and effluent analyses for the APL treatment system are monitored. Sampling is required at daily, weekly, and monthly intervals for various parameter groups.

4.3.1 EFFLUENT ANALYSES

The APL treatment system effluent was sampled daily, weekly, and monthly during the second quarter of 1998. The sample data is grouped by frequency of sample collection for discussion, in the following subsections.

4.3.1.1 DAILY SAMPLING

Table 4.3 summarizes the results of the daily composite sampling. No exceedances of the treatment levels were reported this quarter for any of the three daily parameters; pH, TOC, and phenol.

4.3.1.2 WEEKLY SAMPLING

Table 4.4 summarizes the results of the weekly composite sampling. No exceedances of the treatment levels were reported this quarter for any of the five weekly parameters or their isomers from the collected effluent samples.

4.3.1.3 MONTHLY SAMPLING

Table 4.5 summarizes the results of the monthly composite sampling. No exceedances of the treatment levels were reported this quarter for any of the eight parameters or their isomers.

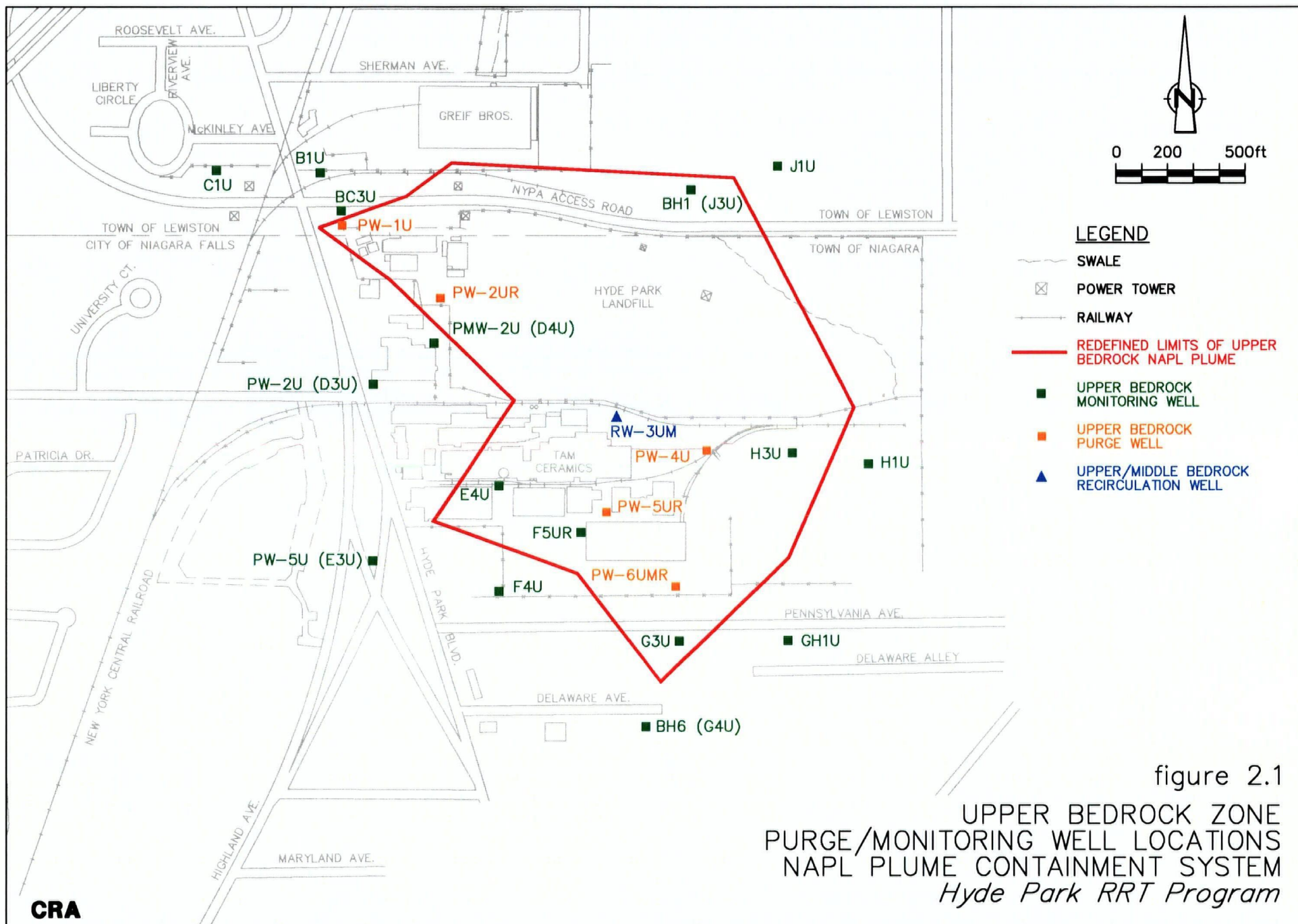
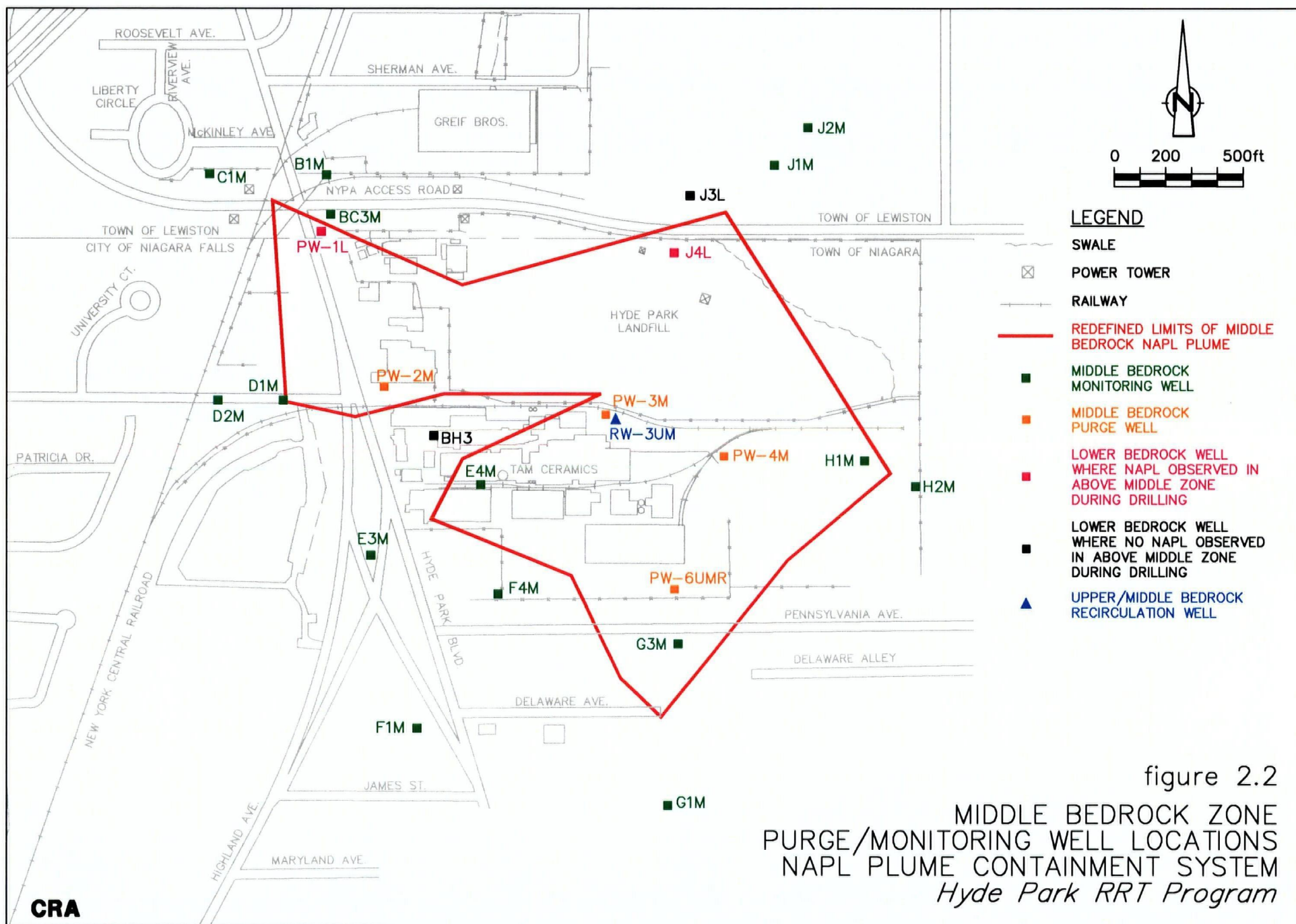
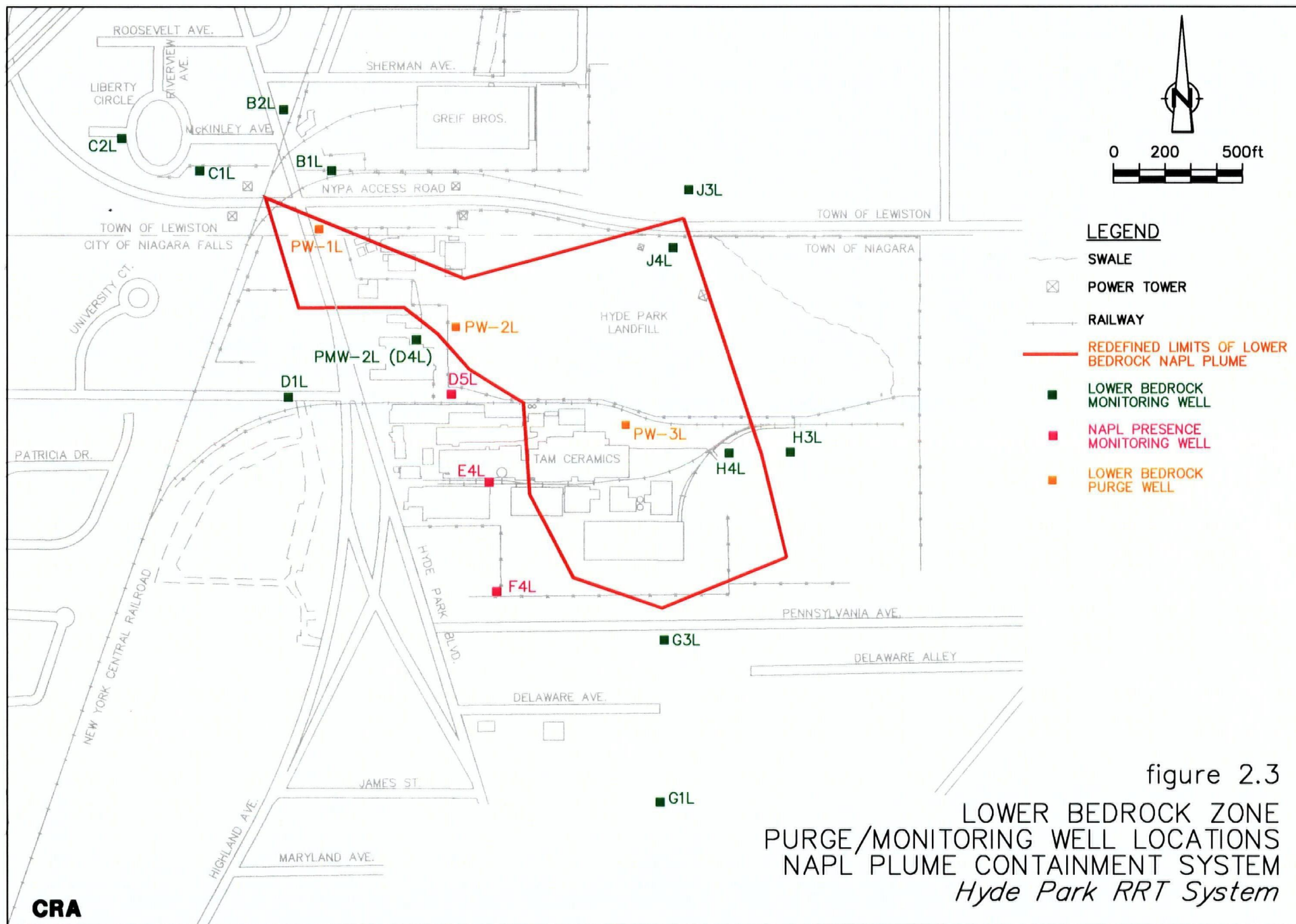


figure 2.1
 UPPER BEDROCK ZONE
 PURGE/MONITORING WELL LOCATIONS
 NAPL PLUME CONTAINMENT SYSTEM
 Hyde Park RRT Program





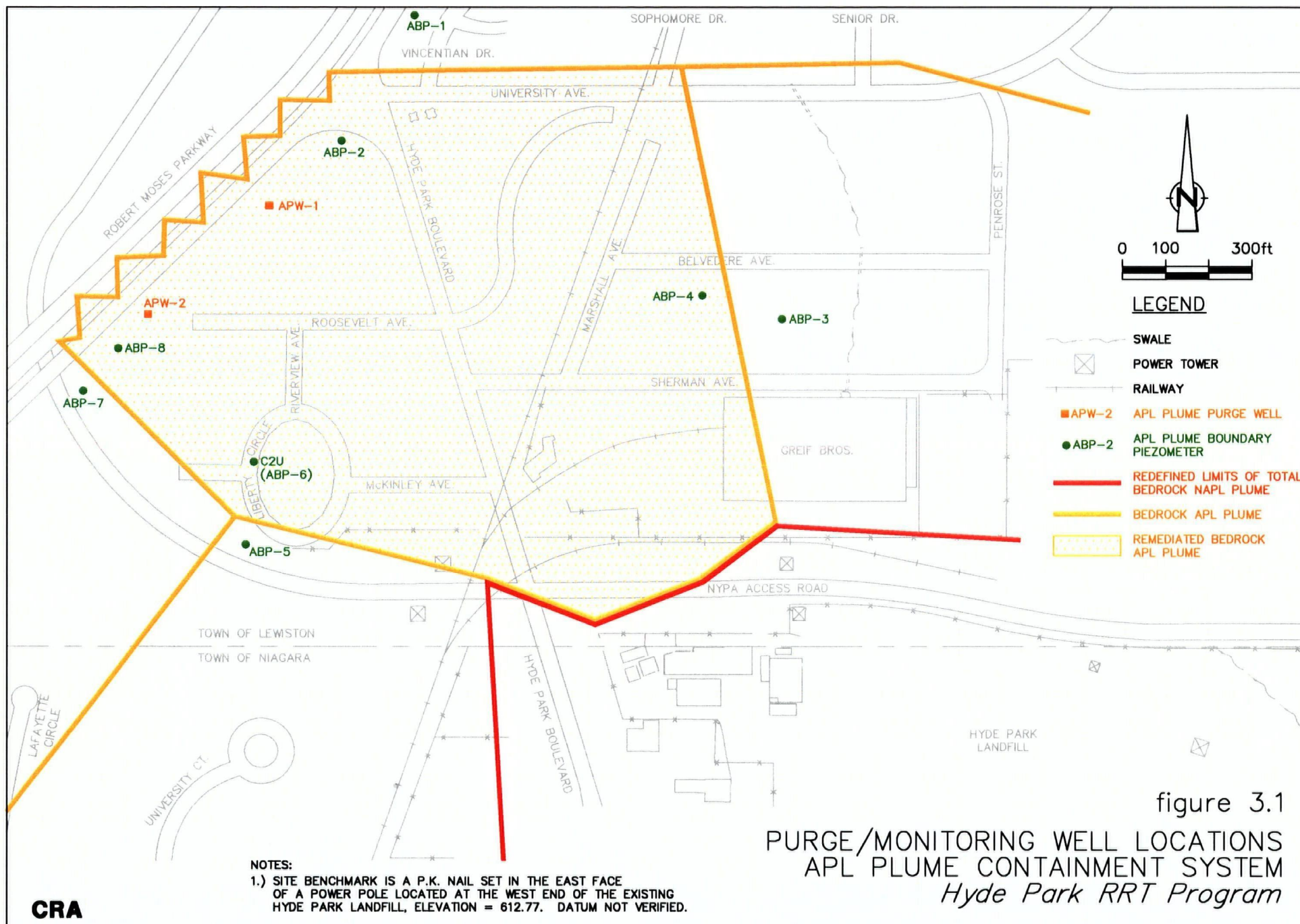


figure 3.1
 PURGE/MONITORING WELL LOCATIONS
 APL PLUME CONTAINMENT SYSTEM
 Hyde Park RRT Program

CRA

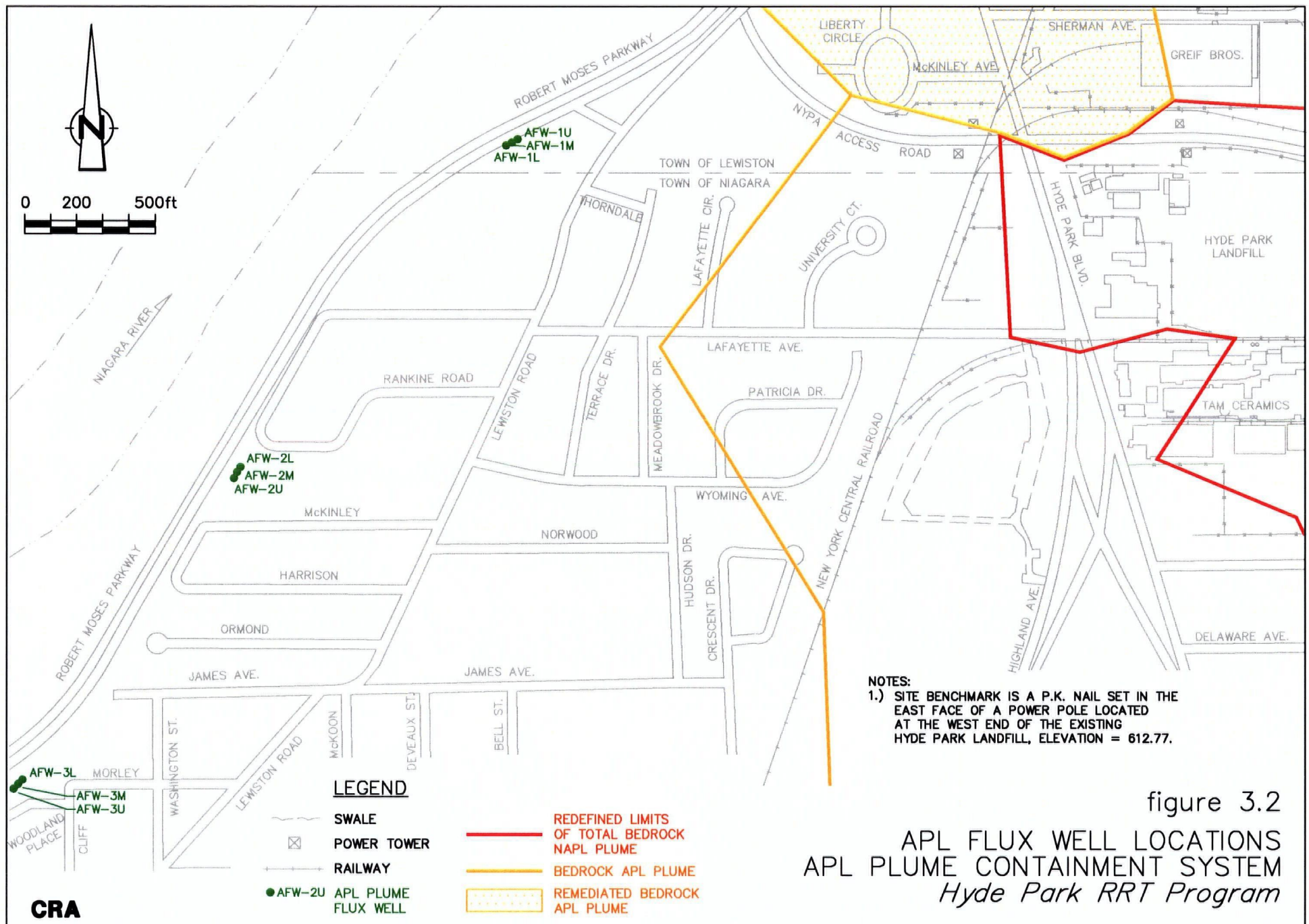
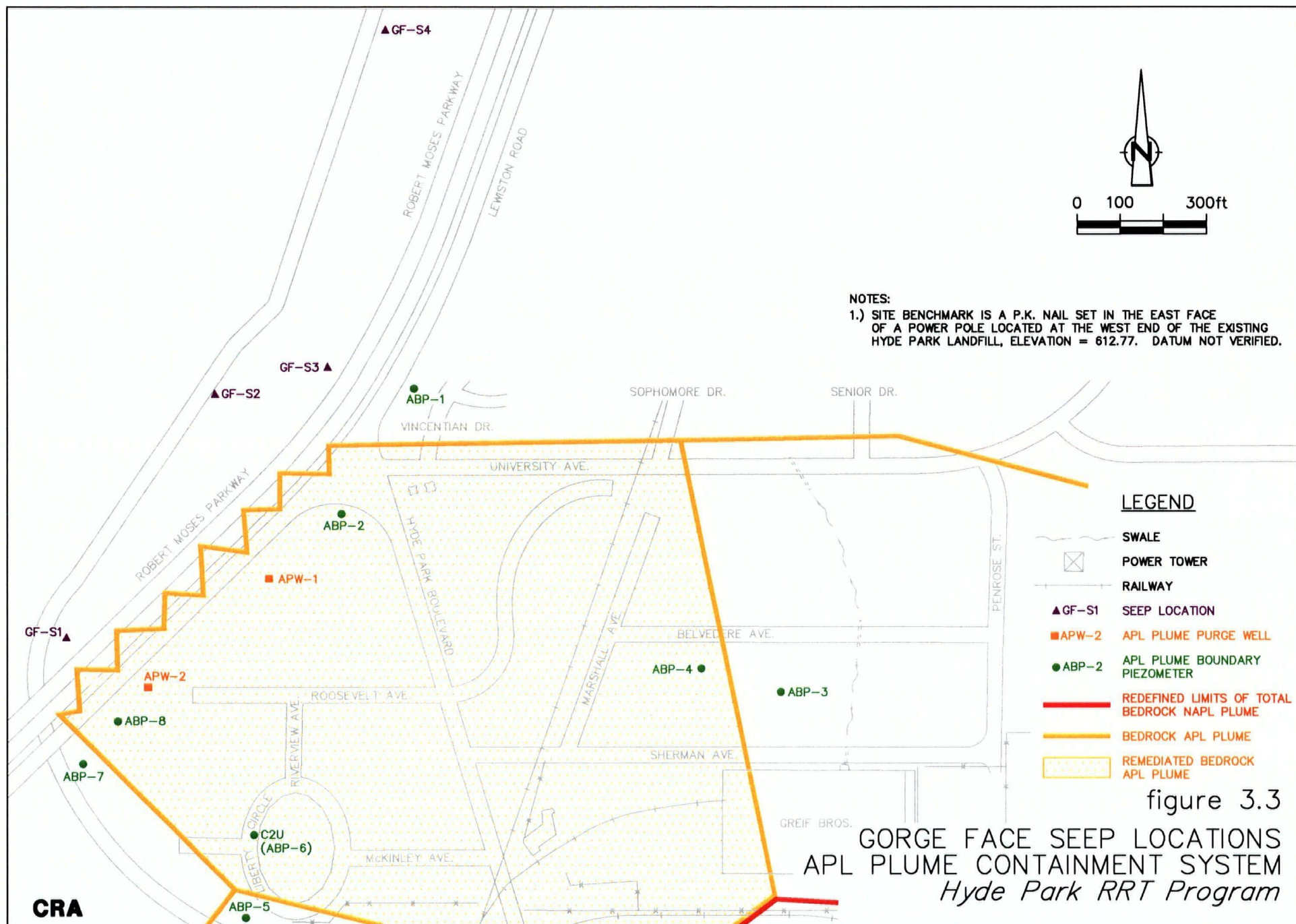
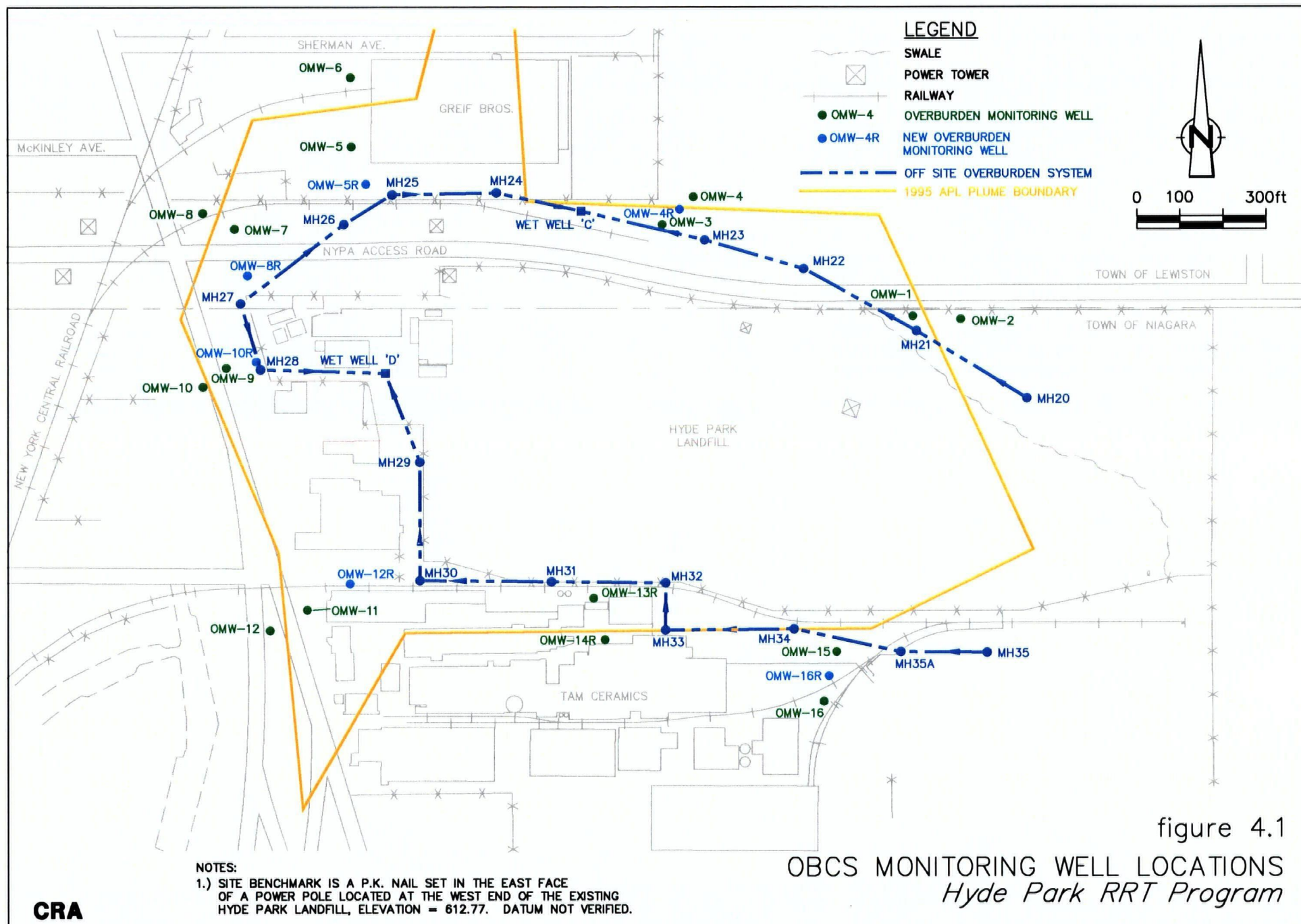


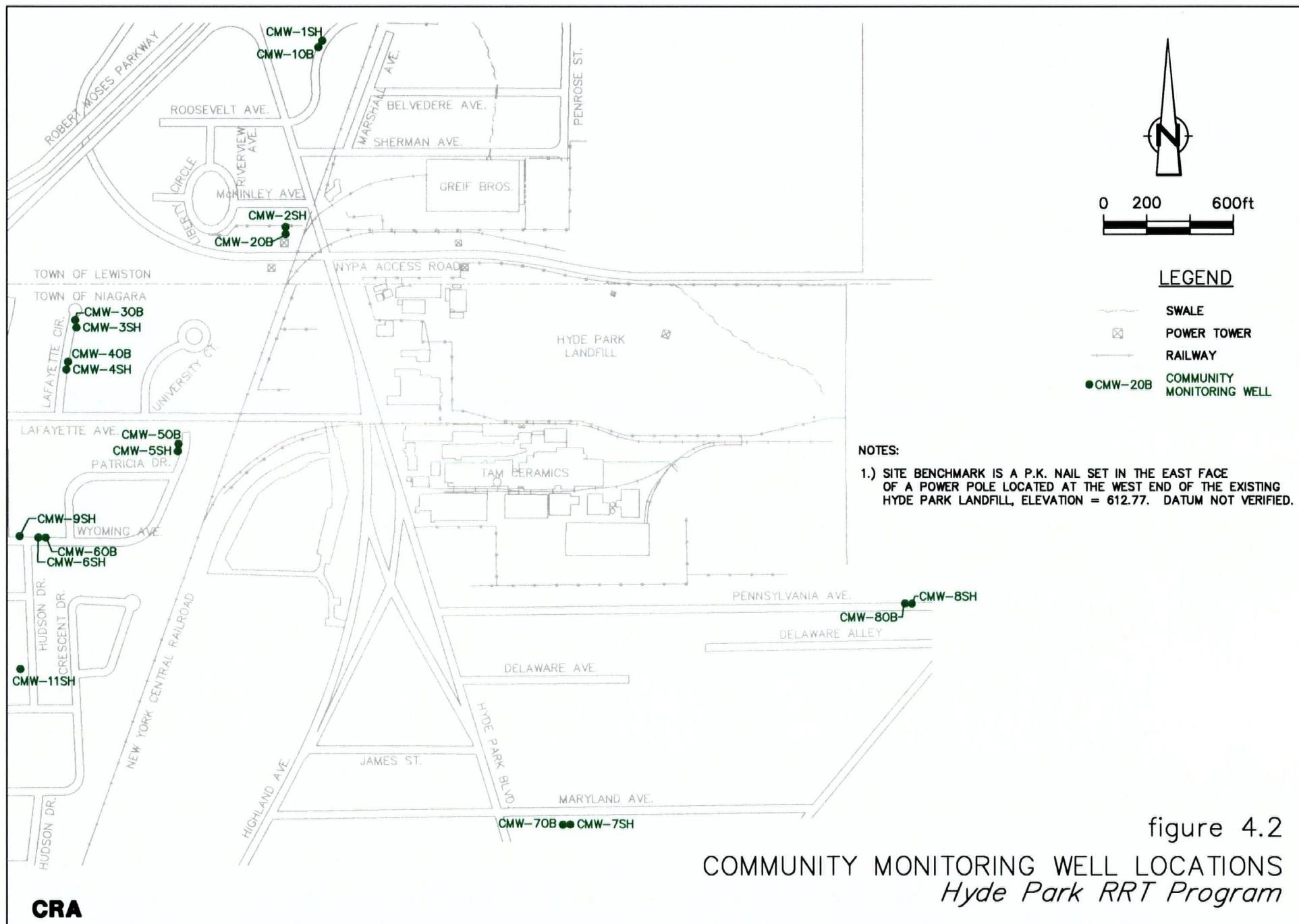
figure 3.2
 APL FLUX WELL LOCATIONS
 APL PLUME CONTAINMENT SYSTEM
 Hyde Park RRT Program



CRA

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TABLE 2.1

MONTHLY AVERAGE PUMPING RATES (GPM)
 NAPL PLUME CONTAINMENT SYSTEM
 SECOND QUARTER - 1998
 HYDE PARK RRT PROGRAM

<i>Bedrock Purge Wells</i>	<i>January</i>	<i>February</i>	<i>March</i>	<i>April</i>	<i>May</i>	<i>June</i>	<i>July</i>	<i>August</i>	<i>September</i>	<i>October</i>	<i>November</i>	<i>December</i>	<i>Monthly Average</i>
PW-1U	0.2	0.0	2.1	1.8	0.7	0.5							0.9
PW-1L	3.4	10.2	1.0	1.4	13.7	12.2							7
PW-2UR	1.6	0.6	1.0	0.1	0.0 ⁽¹⁾	0.0 ⁽¹⁾							0.6
PW-2M	14.5	17.7	14.2	25.6	25.7	19.8							19.6
PW-2L	2.4	3.6	0.7	0.9	0.0 ⁽²⁾	0.0 ⁽²⁾							1.3
PW-3M	0.9	3.1	0.9	1.3	1.2	0.2							1.3
PW-3L	13.1	7.4	6.6	7.5	8.1	7.2							8.3
PW-4U	0.3	0.4	0.0 ⁽³⁾	0.0 ⁽³⁾	0.0 ⁽³⁾	0.3							0.2
PW-4M	0.5	0.7	0.4	0.5	0.5	0.8							0.6
PW-5UR	7.4	8.7	2.1	4.6	4.4	2.8							5.0
PW-6UMR	0.0	0.1	0.8	2.9	0.0 ⁽⁴⁾	0.0 ⁽⁴⁾							0.3
Individual Total	44.3	52.5	29.8	46.6	54.3	43.8							45.2
Combined Meter	45.7	53.1	NA	NA	NA	NA							49.4

Notes:

- (1) Flowmeter readings were inconsistent and operations at PW-2UR ceased on June 5, 1998 due to programming problems.
- (2) Operations at PW-2L ceased on May 17, 1998 due to excessive NAPL presence.
- (3) The flow meter in PW-4U was not operational for several months.
- (4) Operations at PW-6UMR ceased on December 5, 1997 due to excessive NAPL presence.

TABLE 2.2

HYDRAULIC GRADIENT SUMMARY
 NAPL PLUME CONTAINMENT SYSTEM
 SECOND QUARTER - 1998
 HYDE PARK RRT PROGRAM

<i>Well Pair</i>	<i>Hydraulic Gradient (1)</i>		
	<i>April</i>	<i>May</i>	<i>June</i>
BC3U - B1U	-2.70	-2.17	-1.57
BC3U - C1U	-1.56	-1.11	-0.37
D4U - D3U	-4.03	-3.98	-3.31
E4U - E3U	1.28	2.07	6.30
F5UR - F4U	1.78	4.30	1.34
G3U - G4U	-9.48	-8.62	-7.35
H3U - H1U	-5.08	-1.35	-4.44
J3U - J1U	-15.64	-16.95	-9.89
BC3M - B1M	-0.45	-0.15	-0.19
BC3M - C1M	-0.56	-0.43	-0.29
D1M - D2M	0.44	0.01	0.03
E4M - E3M	2.57	2.32	3.08
F4M - F1M	-19.74	-18.77	-20.50
G3M - G1M	-39.72	-39.28	-40.72
H1M - H2M	NA	-15.86	-15.65
J1M - J2M	-7.89	-0.41	-0.42
B1L - B2L	-0.83	-0.54	0.09
C1L - C2L	-0.09	-0.56	0.94
D4L - D1L	-0.95	2.42	3.04
G3L - G1L	0.55	0.52	1.25
H4L - H3L	NA	-0.78	-1.83
J4L - J3L	2.60	12.21	2.57

Note:

- (1) - Negative number indicates an inward gradient measured in feet.
- * - Diesel fuel noted in well F5UR. Level noted may be surface of fuel and not groundwater.

TABLE 2.3

**WELL PURGING SUMMARY
NAPL PLUME CONTAINMENT SYSTEM
SECOND QUARTER - 1998
HYDE PARK RRT PROGRAM**

<i>Well I.D.</i>	<i>Starting Date</i>	<i>Initial Water Level (Ft. BTOC)</i>	<i>Depth of Well (Ft. BTOC)</i>	<i>Standing Volume (1) (Gallons)</i>	<i>Purge Volume (Gallons)</i>	<i>Purge Method</i>
B1U	05/14/98	22.95	57.0	22.1	115	Submersible (2-inch)
B1M	05/14/98	55.35	83.0	18.0	90	Submersible (2-inch)
B1L	05/18/98	67.58	104.0	23.7	120	Submersible (2-inch)
C1U	05/13/98	25.20	55.5	19.7	100	Submersible (2-inch)
C1M	05/13/98	59.40	81.5	14.4	75	Submersible (2-inch)
C1L	05/13/98	68.02	104.0	23.4	120	Submersible (2-inch)
D3U	05/14/98	12.00	48.3	213	639	Submersible (2-inch)
D2M	05/14/98	52.45	85.8	21.7	110	Submersible (2-inch)
D1L	05/14/98	67.00	110.0	28.0	140	Submersible (2-inch)
E3U	05/19/98	NA	46.7	250	1250	Centrifugal
E3M	05/14/98	57.14	94.0	24.0	120	Submersible (2-inch)
F4U	05/20/98	10.88	69.2	38.0	190	Submersible (2-inch)
F1M	05/15/98	49.60	110.0	39.3	200	Submersible (2-inch)
G4U	05/15/98	16.80	57.0	26.1	130	Submersible (2-inch)
G1M	05/15/98	40.95	124.0	54.0	270	Submersible (2-inch)
G1L	05/15/98	33.20	147.0	74.0	370	Submersible (2-inch)
H1U	05/18/98	12.00	57.0	29.2	150	Submersible (2-inch)
H2M	05/19/98	57.75	129.0	47.0	235	Submersible (2-inch)
H3L	05/19/98	64.70	138.0	47.6	240	Submersible (2-inch)
J1U	05/18/98	3.98	45.5	27.0	135	Submersible (2-inch)
J2M	05/15/98	62.75	101.0	24.9	125	Submersible (2-inch)
J3L	05/18/98	55.30	120.5	42.4	215	Submersible (2-inch)

Note:

- (1) - All wells are 4 inches in diameter, except D3U and E3U (former purge wells PW-2U and PW-5U) which are 12 inches in diameter.

TABLE 2.4

WELL SAMPLING SUMMARY
NAPL PLUME CONTAINMENT SYSTEM
SECOND QUARTER - 1998
HYDE PARK RRT PROGRAM

<i>Well I.D.</i>	<i>Sample I.D.</i>	<i>Sample Date</i>	<i>Sample Time</i>	<i>pH</i>	<i>Specific Conductivity</i>	<i>Temp (°C)</i>	<i>DEC Split</i>	<i>Final Water Quality</i>	<i>Comments</i>
B1U	98B-4341-DJT-B1U	05/14/98	13:18	6.98	3,200	13.3	No	clear, colourless	
B1M	98B-4341-DJT-B1M	05/14/98	12:44	7.05	3,650	14.2	No	clear, colourless, slight sulphur odour	
B1L	98B-4341-DJT-B1L	05/18/98	10:30	6.56	17,700	14.1	No	clear, colourless, moderate sulphur odour	
C1U	98B-4341-DJT-C1U	05/13/98	10:00	7.19	1,225	12.9	No	clear, colourless	
C1M	98B-4341-DJT-C1M	05/13/98	10:30	7.00	2,500	13.0	No	clear, colourless	
C1L	98B-4341-DJT-C1L	05/13/98	11:00	7.03	3,400	13.2	No	clear, colourless	
D3U	98B-4341-DJT-D3U	05/14/98	9:00	7.25	625	12.8	No	cloudy, red/brown	
D2M	98B-4341-DJT-D2M	05/14/98	10:04	6.97	4,300	12.9	No	clear, colourless	
D1L	98B-4341-DJT-D1L	05/14/98	10:46	6.13	124,900	14.3	No	clear, black tint	
E3U	98B-4341-DJT-E3U	05/19/98	11:00	6.90	2,600	13.8	No	cloudy, brown/black	MS/MSD
E3M	98B-4341-DJT-E3M	05/14/98	11:26	7.15	2,620	14.7	No	clear, colourless	
F4U	98B-4341-DJT-F4U	05/20/98	9:13	6.99	1,300	13.6	No	clear, colourless	
F1M	98B-4341-DJT-F1M	05/15/98	12:53	6.57	3,900	15.0	No	clear, colourless	
G4U	98B-4341-DJT-G4U	05/15/98	10:54	6.36	900	10.4	No	clear, colourless	
G1M	98B-4341-DJT-G1M	05/15/98	10:19	5.74	2,200	12.3	No	clear, colourless	
G1L	98B-4341-DJT-G1L	05/15/98	9:05	5.90	49,500	12.4	No	clear, colourless, strong sulphur odour	
H1U	98B-4341-DJT-H1U	05/18/98	14:36	6.93	1,200	11.1	No	slightly cloudy, light brown	
H2M	98B-4341-DJT-H2M	05/19/98	13:08	6.54	1,600	12.8	No	clear, colourless, moderate sulphur odour	
H3L	98A-4341-DJT-H3L	05/19/98	14:09	6.31	17,800	12.9	No	clear, colourless	
J1U	98B-4341-DJT-J1U	05/18/98	11:40	7.33	575	14.1	No	slightly cloudy, light brown	
J2M	98B-4341-DJT-J2M	05/15/98	13:39	5.97	2,625	12.8	No	clear, colourless, strong sulphur odour	
J3L	98B-4341-DJT-J3L	05/18/98	13:54	6.28	77,200	14.6	No	clear, black tint, strong sulphur odour	
B1M	98B-4341-DJT-K1M	05/14/98	13:10						Dup of B1M
H1U	98B-4341-DJT-K1U	05/18/98	15:30						Dup of H1U
	98B-4341-DJT-RB1	05/19/98	10:00						Rinse Blank
	98B-4341-DJT-RB2	05/19/98	12:00						Rinse Blank

Notes:

MS/MSD Matrix Spike/Matrix Spike Duplicate

Table 2.5
Analytical Results Summary
Hyde Park Landfill - Bedrock Well Quarterly Monitoring
May 1998

Page 1
Date Printed: July 28, 1998
Time Printed: 4:35 pm

<i>Sample Date</i>			05/18/98	05/14/98	05/14/98	05/14/98	05/13/98	05/13/98	05/13/98	05/14/98
<i>Sample Location:</i>			B1L	B1M	B1M	B1U	C1L	C1M	C1U	D1L
<u>Parameters</u>					Dupl.					
<u>Units</u>	<u>Rpt.Limit</u>									
pH	std	--	6.56	7.05	NA	6.98	7.03	7.00	7.19	6.13
Conductivity	umhos/cm	--	18000	3600	NA	3200	3400	2500	1200	120000
Phenol	mg/l	0.25	0.26 J	ND	ND	ND	ND	ND	ND	0.33 J
Benzoic Acid	mg/l	0.10	ND	ND 0.20	ND 0.20	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	0.20	0.74	0.76	0.24	ND	ND	0.051	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	0.16	0.16	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND 0.060	ND 0.060	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	ug/l	0.10	0.20	0.90	0.90	0.24	ND	ND	ND	ND
Chlorendic Acid	mg/l	0.25	0.73	1.1	1.1	2.6	0.49	0.50	0.80	ND
Total Organic Halides	mg/l	0.5	1.9	2.5	2.7	42 J	1.2	1.0 J	1.6	1.8 J

Table 2.5
Analytical Results Summary
Hyde Park Landfill - Bedrock Well Quarterly Monitoring
May 1998

Page 2
Date Printed: July 28, 1998
Time Printed: 4:35 pm

<i>Sample Date</i>			05/14/98	05/14/98	05/14/98	05/19/98	05/15/98	05/20/98	05/15/98	05/15/98
<i>Sample Location:</i>			D2M	D3U	E3M	E3U	F1M	F4U	G1L	G1M
<u>Parameters</u>	<u>Units</u>	<u>Rpt.Limit</u>								
pH	std	--	6.97	7.25	7.15	6.90	6.57	6.99	5.90	5.74
Conductivity	umhos/cm	--	4300	620	2600	2600	3900	1300	50000	2200
Phenol	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	0.059	ND	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	ug/l	0.10	ND	ND	ND	ND	ND	ND	ND	ND
Chlorendic Acid	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND	ND
Total Organic Halides	mg/l	0.5	0.57 J	ND	ND	0.50	ND	ND	0.73 J	ND

Table 2.5
Analytical Results Summary
Hyde Park Landfill - Bedrock Well Quarterly Monitoring
May 1998

Page 3
Date Printed: July 28, 1998
Time Printed: 4:35 pm

<i>Sample Date</i>			05/15/98	05/18/98	05/18/98	05/19/98	05/19/98	05/18/98	05/15/98	05/18/98
<i>Sample Location:</i>			G4U	H1U	H1U	H2M	H3L	J1U	J2M	J3L
<u>Parameters</u>	<u>Units</u>	<u>Rpt.Limit</u>	Dupl.							
pH	std	--	6.36	6.93	NA	6.54	6.31	7.33	5.97	6.28
Conductivity	umhos/cm	--	900	1200	NA	1600	18000	580	2600	72000
Phenol	mg/l	0.25	ND	ND	ND	ND	ND	ND	8.8 J	1.7 J
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND	1.1
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	0.19	0.049	ND	3.1	1.6
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	0.038	ND	ND	0.16 J	0.49
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	0.20	ND	ND	0.23 J	0.92
Total Chlorobenzoic Acid	ug/l	0.10	ND	ND	ND	0.43	ND	ND	3.5	3.0
Chlorendic Acid	mg/l	0.25	ND	ND	ND	ND	ND	ND	3.0	ND 2.5
Total Organic Halides	mg/l	0.5	ND	ND	ND	0.68	ND	ND	19	4.9

Notes

- Not applicable.
- J - Estimated.
- NDx - Not detected at or above x.
- NA - Not analyzed.
- Dupl. - Field duplicate.
- Rpt.Limit - Reporting limit.

TABLE 3.1

GROUNDWATER ELEVATIONS/CALCULATED GRADIENTS
APL PLUME CONTAINMENT SYSTEM
HYDE PARK RRT PROGRAM

WELL NO. LOCATION	PURGE WELLS		MONITORING WELL PAIR			MONITORING WELL PAIR		
	APW-1	APW-2	ABP-1 (outer)	ABP-2 (inner)	Hydraulic Gradient	ABP-3 (outer)	ABP-4 (inner)	Hydraulic Gradient
CASING EL. (ft. AMSL)	565.53	570.55	571.68	576.00		592.41	589.41	
GROUND EL. (ft. AMSL)	569.0	574.0	571.9	574.9		591.1	588.1	
03/03/97	534.48	524.70	556.88	554.78	-2.10	566.54	550.36	-16.18
03/11/97	541.02	525.11	556.65	556.17	-0.48	565.90	546.28	-19.62
03/18/97	514.52	517.19	556.86	556.78	-0.08	566.49	557.51	-8.98
03/25/97	505.90	510.88	556.03	555.50	-0.53	566.33	546.81	-19.52
04/01/97	506.70	510.42	555.85	556.10	0.25	565.37	548.56	-16.81
04/08/97	504.47	509.42	556.45	555.93	-0.52	566.71	556.46	-10.25
04/15/97	506.70	509.44	555.57	555.15	-0.42	565.79	548.71	-17.08
04/23/97	508.83	513.69	555.00	554.40	-0.60	565.92	546.01	-19.91
04/29/97	504.45	511.36	554.94	553.96	-0.98	565.61	547.12	-18.49
05/06/97	504.41	509.35	555.00	554.08	-0.92	565.91	547.78	-18.13
05/13/97	507.23	511.46	554.92	553.75	-1.17	565.91	550.35	-15.56
05/20/97	504.45	509.42	555.00	554.14	-0.86	565.60	548.55	-17.05
05/27/97	507.25	509.44	554.30	550.95	-3.35	565.19	549.71	-15.48
06/04/97	504.47	511.26	554.64	552.18	-2.46	564.82	546.85	-17.97
06/11/97	508.10	512.19	554.68	551.19	-3.49	565.27	547.80	-17.47
06/17/97			554.90	554.09	-0.81	564.85	548.05	-16.80
06/24/97	508.08	514.08	555.39	554.07	-1.32	565.77	549.33	-16.44
07/01/97	507.30	509.48	554.89	552.00	-2.89	565.87	546.12	-19.75
07/08/97	505.24	513.67	554.37	550.68	-3.69	565.41	548.67	-16.74
07/15/97	506.00	512.00	553.58	550.90	-2.68	565.31	550.51	-14.80
07/22/97	507.29	510.82	553.59	550.52	-3.07	565.07	550.41	-14.66
07/29/97	504.00	513.00	553.56	550.40	-3.16	564.91	550.35	-14.56
08/05/97	505.90	510.56	553.41	550.35	-3.06	564.81	550.89	-13.92
08/12/97	509.33	511.66	553.40	550.02	-3.38	564.76	545.29	-19.47
08/19/97	506.63	513.23	553.52	550.60	-2.92	564.71	550.97	-13.74
08/26/97	509.52	513.09	554.08	551.55	-2.53	565.01	551.11	-13.90
09/02/97	505.23	513.98	553.63	550.45	-3.18	564.95	551.51	-13.44
09/09/97	507.25	513.73	553.60	550.82	-2.78	565.03	548.79	-16.24
09/16/97	504.41	511.60	554.10	551.38	-2.72	565.05	549.71	-15.34

TABLE 3.1

GROUNDWATER ELEVATIONS/CALCULATED GRADIENTS
APL PLUME CONTAINMENT SYSTEM
HYDE PARK RRT PROGRAM

WELL NO. LOCATION	PURGE WELLS		MONITORING WELL PAIR			MONITORING WELL PAIR		
	APW-1	APW-2	ABP-1 (outer)	ABP-2 (inner)	Hydraulic Gradient	ABP-3 (outer)	ABP-4 (inner)	Hydraulic Gradient
CASING EL. (ft. AMSL)	565.53	570.55	571.68	576.00		592.41	589.41	
GROUND EL. (ft. AMSL)	569.0	574.0	571.9	574.9		591.1	588.1	
09/23/97	507.32	509.75	554.16	551.36	-2.80	572.21	549.01	-23.20
09/30/97	504.45	513.95	554.13	551.39	-2.74	565.41	548.81	-16.60
10/07/97	507.23	510.63	554.58	552.42	-2.16	565.41	543.99	-21.42
10/14/97	507.23	510.75	554.26	550.80	-3.46	565.33	549.81	-15.52
10/21/97	508.72	509.73	553.95	550.58	-3.37	565.30	550.18	-15.12
10/28/97	508.06	509.42	554.26	551.58	-2.68	565.09	550.00	-15.09
11/04/97	506.11	509.49	554.78	552.70	-2.08	565.21	542.17	-23.04
11/11/97	504.14	514.26	554.48	551.35	-3.13	565.41	550.61	-14.80
11/18/97	507.00	509.00	555.03	553.07	-1.96	565.53	542.41	-23.12
11/25/97	509.50	512.80	555.68	556.15	0.47	566.37	553.50	-12.87
12/02/97	504.87	510.80	555.44	555.18	-0.26	565.86	543.61	-22.25
12/09/97	504.41	524.86	555.68	555.20	-0.48	566.11	551.81	-14.30
12/16/97	504.74	523.89	555.65	555.38	-0.27	566.06	552.36	-13.70
12/23/97	505.63	524.20	555.58	554.10	-1.48	566.12	552.14	-13.98
12/30/97	507.00	524.16	555.68	554.50	-1.18	566.52	550.99	-15.53
01/06/98	509.48	525.63	556.03	555.65	-0.38	566.09	551.05	-15.04
01/13/98	NA	524.89	556.03	555.82	-0.21	566.63	550.86	-15.77
01/20/98	NA	527.86	555.78	554.75	-1.03	566.11	551.09	-15.02
01/27/98	NA	511.00	555.36	554.00	-1.36	565.26	550.81	-14.45
02/03/98	NA	511.70	556.23	555.85	-0.38	566.01	551.31	-14.70
02/10/98	NA	514.02	555.83	554.90	-0.93	566.06	546.51	-19.55
02/17/98	508.79	512.31	556.30	555.58	-0.72	566.43	547.23	-19.20
03/10/98	512.50	510.20	556.28	555.60	-0.68	566.13	546.01	-20.12
03/17/98	NA	512.50	556.28	555.22	-1.06	566.11	550.56	-15.55
03/24/98	NA	513.10	555.68	555.90	0.22	566.21	545.41	-20.80
03/31/98	NA	513.00	556.15	555.80	-0.35	566.41	547.69	-18.72
04/08/98	NA	512.40	555.86	555.11	-0.75	566.31	550.71	-15.60
04/15/98	NA	512.40	555.39	554.72	-0.67	566.38	550.55	-15.83
04/22/98	NA	511.00	555.89	555.59	-0.30	566.08	546.14	-19.94

TABLE 3.1

GROUNDWATER ELEVATIONS/CALCULATED GRADIENTS
APL PLUME CONTAINMENT SYSTEM
HYDE PARK RRT PROGRAM

WELL NO. LOCATION	PURGE WELLS		MONITORING WELL PAIR			MONITORING WELL PAIR		
	APW-1	APW-2	ABP-1 (outer)	ABP-2 (inner)	Hydraulic Gradient	ABP-3 (outer)	ABP-4 (inner)	Hydraulic Gradient
CASING EL. (ft. AMSL)	565.53	570.55	571.68	576.00		592.41	589.41	
GROUND EL. (ft. AMSL)	569.0	574.0	571.9	574.9		591.1	588.1	
04/29/98	NA	513.30	555.53	554.96	-0.57	565.98	550.18	-15.80
05/06/98	NA	512.50	554.88	554.74	-0.14	565.85	552.21	-13.64
05/13/98	NA	509.90	555.00	554.48	-0.52	565.91	550.52	-15.39
05/20/98	NA	513.80	554.66	553.86	-0.80	565.98	549.10	-16.88
05/27/98	NA	512.60	554.23	550.88	-3.35	566.49	550.71	-15.78
06/03/98	NA	512.00	553.88	551.07	-2.81	566.00	550.41	-15.59
06/10/98	504.70	510.10	553.49	550.49	-3.00	565.43	545.51	-19.92
06/17/98	506.30	513.10	553.11	549.99	-3.12	565.21	547.16	-18.05
06/24/98	508.80	509.60	553.61	550.48	-3.13	565.47	543.41	-22.06
07/01/98	507.70	512.50	553.60	550.54	-3.06	565.49	543.93	-21.56

TABLE 3.1
GROUNDWATER ELEVATIONS/CALCULATED GRADIENTS
APL PLUME CONTAINMENT SYSTEM
HYDE PARK RRT PROGRAM

WELL NO. LOCATION	PURGE WELLS		MONITORING WELL PAIR			MONITORING WELL PAIR		
	APW-1	APW-2	ABP-5 (outer)	ABP-6 (inner)	Hydraulic Gradient	ABP-7 (outer)	ABP-8 (inner)	Hydraulic Gradient
CASING EL. (ft. AMSL)	565.53	570.55	590.44	589.91		575.61	576.43	
GROUND EL. (ft. AMSL)	569.0	574.0	589.3	590.4		574.4	575.1	
09/23/97	507.32	509.75	563.22	573.04	9.82	533.91	522.09	-11.82
09/30/97	504.45	513.95	563.71	573.40	9.69	535.49	522.03	-13.46
10/07/97	507.23	510.63	563.29	583.21	19.92	534.33	521.98	-12.35
10/14/97	507.23	510.75	563.24	579.01	15.77	533.09	522.01	-11.08
10/21/97	508.72	509.73	563.37	576.01	12.64	531.31	522.00	-9.31
10/28/97	508.06	509.42	562.95	578.61	15.66	533.90	522.03	-11.87
11/04/97	506.11	509.49	562.94	581.21	18.27	534.91	521.97	-12.94
11/11/97	504.14	514.26	560.54	579.71	19.17	533.66	521.93	-11.73
11/18/97	507.00	509.00	563.69	576.71	13.02	534.56	521.68	-12.88
11/25/97	509.50	512.80	564.80	575.55	10.75	535.30	521.98	-13.32
12/02/97	504.87	510.80	563.60	576.96	13.36	535.53	521.79	-13.74
12/09/97	504.41	524.86	565.19	576.11	10.92	535.81	523.93	-11.88
12/16/97	504.74	523.89	565.17	576.01	10.84	534.82	524.13	-10.69
12/23/97	505.63	524.20	565.17	575.46	10.29	535.26	524.23	-11.03
12/30/97	507.00	524.16	565.64	580.29	14.65	535.31	523.96	-11.35
01/06/98	509.48	525.63	565.35		NC	536.00	524.31	-11.69
01/13/98	NA	524.89	566.52		NC	535.66	524.73	-10.93
01/20/98	NA	527.86	566.83	583.77	16.94	535.09	524.63	-10.46
01/27/98	NA	511.00	566.34	581.69	15.35	531.51	521.81	-9.70
02/03/98	NA	511.70	556.34		NC	535.86	522.03	-13.83
02/10/98	NA	514.02	566.63	585.20	18.57	535.11	524.53	-10.58
02/17/98	508.79	512.31	566.56	586.39	19.83	535.21	522.05	-13.16
03/10/98	512.50	510.20	565.44	571.91	6.47	535.86	522.07	-13.79
03/17/98	NA	512.50	565.38	568.41	3.03	535.96	521.96	-14.00
03/24/98	NA	513.10	564.92	566.91	1.99	536.51	521.83	-14.68
03/31/98	NA	513.00	565.47	565.44	-0.03	536.06	521.83	-14.23
04/08/98	NA	512.40	565.94	564.76	-1.18	540.44	521.81	-18.63
04/15/98	NA	512.40	565.92	564.32	-1.60	534.89	521.94	-12.95
04/22/98	NA	511.00	565.84	564.99	-0.85	537.31	522.07	-15.24

TABLE 3.1

GROUNDWATER ELEVATIONS/CALCULATED GRADIENTS
APL PLUME CONTAINMENT SYSTEM
HYDE PARK RRT PROGRAM

WELL NO. LOCATION	PURGE WELLS		MONITORING WELL PAIR			MONITORING WELL PAIR		
	APW-1	APW-2	ABP-5 (outer)	ABP-6 (inner)	Hydraulic Gradient	ABP-7 (outer)	ABP-8 (inner)	Hydraulic Gradient
CASING EL. (ft. AMSL)	565.53	570.55	590.44	589.91		575.61	576.43	
GROUND EL. (ft. AMSL)	569.0	574.0	589.3	590.4		574.4	575.1	
04/29/98	NA	513.30	565.40	564.31	-1.09	535.51	521.92	-13.59
05/06/98	NA	512.50	565.33	563.83	-1.50	535.26	521.93	-13.33
05/13/98	NA	509.90	565.09	564.31	-0.78	538.91	521.72	-17.19
05/20/98	NA	513.80	565.04	563.89	-1.15	535.71	521.96	-13.75
05/27/98	NA	512.60	565.36	563.34	-2.02	535.33	521.92	-13.41
06/03/98	NA	512.00	565.32	564.21	-1.11	535.25	521.62	-13.63
06/10/98	504.70	510.10	564.84	563.66	-1.18	533.66	521.56	-12.10
06/17/98	506.30	513.10	564.84	563.76	-1.08	535.01	521.43	-13.58
06/24/98	508.80	509.60	564.58	563.83	-0.75	532.87	521.95	-10.92
07/01/98	507.70	512.50	564.57	563.28	-1.29	533.01	521.66	-11.35

TABLE 3.2

ESTIMATED SEEP FLOWS
SECOND QUARTER - 1998
HYDE PARK REMEDIAL PROGRAM

DATE	<u>ESTIMATED SEEP FLOW (gpm)</u>			
	<i>Seep-1</i>	<i>Seep-2</i>	<i>Seep-3</i>	<i>Seep-4</i>
03/03/97	1-2	5+	<1	10+
03/11/97	4-5	5+	3	5-7
03/18/97	3-4	<10	<1	5-7
03/25/97	2-3	4-5	<1	3+
04/01/97	2-3	4-5	0.5-1	4-5
04/08/97	<0.5	2-3	dry	1+
04/15/97	<0.25	2-3	<0.25	1-2
04/23/97	<0.05	1+	dry	0.25
04/29/97	<0.05	1+	dry	0.5
05/06/97	1+	2-3	dry	3-5
05/13/97	25-5	1-2	dry	0.5-1
05/20/97	0.5	2	dry	1+
05/27/97	dry	1-2	0.25	1+
06/04/97	0.25	2	dry	1-1.5
06/11/97	<0.1	1-1.5	dry	1-1.5
06/17/97	1.5	4-5	7-8	10-12
06/24/97	1.0	2.5-3.0	0.5	13-15
07/01/97	dry	0.5-1.0	dry	1.0
07/08/97	<0.05	0.5	dry	0.5
07/15/97	<0.05	0.05	dry	1
07/22/97	dry	dry	dry	0.05
07/29/97	dry	0.05	dry	0.07
08/05/97	dry	0.05	0.4	>0.05
08/12/97	dry	1	dry	1+
08/19/97	dry	0.05	dry	1
08/26/97	dry	0.5	dry	1
09/02/97	dry	0.5	dry	0.5
09/09/97	dry	0.5	dry	5.10
09/16/97	dry	0.5	dry	1.00
09/23/97	dry	0.5	dry	1
09/30/97	dry	2	dry	2.5
10/07/97	dry	0.5	dry	2.5
10/14/97	dry	0.5	dry	0.5
10/21/97	dry	0.2	dry	dry
10/28/97	dry	0.5	dry	0.5
11/04/97	dry	1	dry	3
11/11/97	dry	0.5	dry	0.5

TABLE 3.2

ESTIMATED SEEP FLOWS
SECOND QUARTER - 1998
HYDE PARK REMEDIAL PROGRAM

DATE	<u>ESTIMATED SEEP FLOW (gpm)</u>			
	<i>Seep-1</i>	<i>Seep-2</i>	<i>Seep-3</i>	<i>Seep-4</i>
11/18/97	dry	5+	dry	5+
11/25/97	dry	1	dry	5
12/02/97	dry	1	dry	3
12/09/97	dry	1	dry	3
12/16/97	0.5	1	dry	5
12/23/97	dry	1	dry	10
12/30/97	<0.05	1.5	dry	3.5+
01/06/98	dry	0.5	dry	5
01/13/98	1	3	dry	15+
01/20/98	1	3	dry	6
01/27/98	2	3	0.5	2
02/03/98	1	2	dry	5+
02/10/98	dry	2	dry	5+
02/17/98	1	2	dry	10
03/10/98	1	3	0.5	5+
03/17/98	1	3	dry	3
03/24/98	1	5	frozen	20
03/31/98	1	5	dry	5+
04/08/98	3	dry	1	0.2
04/14/98	0.1	1	dry	3
04/21/98	2	5	dry	8
04/28/98	0.1	2	dry	3
05/05/98	dry	1	dry	5
05/12/98	0.1	1	dry	8
05/19/98	dry	1	dry	4
05/26/98	dry	1	dry	4
06/02/98	dry	0.5	dry	3
06/09/98	dry	1	dry	3
06/16/98	dry	dry	dry	4
06/23/98	dry	1	dry	3
06/30/98	0.5	1	dry	6

TABLE 3.3

**WELL PURGING SUMMARY
APL PLUME CONTAINMENT SYSTEM
SECOND QUARTER - 1998
HYDE PARK RRT PROGRAM**

<i>Well I.D.</i>	<i>Starting Date</i>	<i>Initial Water Level (Ft. BTOC)</i>	<i>Depth of Well (Ft. BTOC)</i>	<i>Standing Volume (1) (Gallons)</i>	<i>Purge Volume (Gallons)</i>	<i>Purge Method</i>
AFW-1U	06/12/98	18.70	28.5	6.4	6.4	Submersible (2-inch)
					12.8	
					19.2	
					25.6	
					32.0	
AFW-1M	06/12/98	47.03	55.1	5.2	5.2	Submersible (2-inch)
					10.4	
					15.6	
					20.8	
					26.0	
AFW-2U	06/12/98	16.10	59.20	28.0	28.0	Submersible (2-inch)
					56.0	
					84.0	
					112	
					140	
AFW-3U	06/12/98	19.25	47.70	18.5	18.5	Submersible (2-inch)
					37.0	
					55.5	
					74.0	
					92.5	
AFW-3L	06/12/98	99.25	105.00	3.7	3.7	Submersible (2-inch)
					7.4	
					11.1	
					14.8	
					18.5	

Note:

(1) All wells are 4-inch diameter

TABLE 3.4

WELL SAMPLE VOLUME DETERMINATION
 APL PLUME CONTAINMENT SYSTEM
 SECOND QUARTER - 1998
 HYDE PARK RRT PROGRAM

<i>Well Identification</i>	<i>Cross-Sectional Flow Area</i>			<i>% of Total</i>	<i>Approximate Volume Required (L)*</i>
	<i>Width (ft)</i>	<i>Depth (ft)</i>	<i>Total (ft²)</i>		
APW-1	640	64	40,960	14.0	3.75
APW-2	830	34	28,220	9.6	2.5
AFW-1U	1,470	22	32,340	11.0	3.0
AFW-1M	1,470	26	38,220	13.1	3.5
AFW-2U	1,550	45	69,750	23.8	6.5
AFW-3U	1,460	35	51,100	17.5	4.8
AFW-3L	1,460	22	32,120	11.0	3.0
		<i>Totals</i>	292,710	100	27.0

Note:

* Accounts for MS/MSD sample collection.

TABLE 3.5

WELL SAMPLING SUMMARY
 APL PLUME CONTAINMENT SYSTEM
 SECOND QUARTER - 1998
 HYDE PARK RRT PROGRAM

<u>Well I.D.</u>	<u>Sample I.D.</u>	<u>Sample Date</u>	<u>pH</u>	<u>Specific Conductivity</u>	<u>Temp (°C)</u>	<u>DEC Split</u>	<u>Final Water Quality</u>
AFW-1U	Composite #1	06/12/98	6.2	2,300	12.5	No	clear, colourless
AFW-1M	Composite #1	06/12/98	6.5	1,500	14.3	No	clear, colourless
AFW-2U	Composite #1	06/12/98	6.9	1,000	14.0	No	clear, colourless
AFW-3U	Composite #1	06/12/98	7.0	750	12.3	No	clear, colourless
AFW-3L	Composite #1	06/12/98	6.7	1,450	14.0	No	clear, colourless
APW-1	Composite #1	06/12/98				No	-
APW-2	Composite #1	06/12/98				No	-

TABLE 3.6

ANALYTICAL RESULTS
APL PLUME CONTAINMENT SYSTEM
SECOND QUARTER - 1998
HYDE PARK RRT PROGRAM

<i>APL Plume Monitoring Parameters</i>	<i>Units</i>	<i>Monitoring Level</i>	<i>Composite #1 06/12/98</i>
Phenol	µg/L	50	ND 50
Benzene	µg/L	10	ND 10
Hexachlorocyclohexanes*	µg/L	10	ND 10
2-Chlorophenol	µg/L	10	ND 10
2,4-Dichlorophenol	µg/L	10	ND 10
2,4,5-Trichlorophenol	µg/L	10	ND 10
<i>APL Flux Parameters</i>		<i>Detection Level</i>	
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/L	500	ND 500
Total Tetrachlorodibenzo-p-dioxin	pg/L	500	ND 500
Perchloropentacyclodecane (Mirex)	µg/L	1.0	ND 1.0
Polychlorobiphenyls (Arclor 1248**)	µg/L	1.0	ND 1.0
Chloroform	µg/L	10	ND 10

Notes:

NDx Not detected at or above x.

* Analyzed for alpha-, beta-, gamma- and delta-Hexachlorocyclohexanes.

** Analyzed for tri-, tetra- and penta-chlorobiphenyls and reported as Arclor 1248.

TABLE 4.1

HYDRAULIC GRADIENT SUMMARY
OVERBURDEN BARRIER COLLECTION SYSTEM
SECOND QUARTER - 1998
HYDE PARK RRT PROGRAM

<i>Well Pair</i>	<i>Horizontal Gradient (1)</i>			<i>Vertical Gradient (1)</i>		
	<i>April</i>	<i>May</i>	<i>June</i>	<i>April</i>	<i>May</i>	<i>June</i>
OMW-1 - OMW-2	-3.47	-3.87	-3.37	--	--	--
OMW-3 - OMW-4R	-0.46	-2.54	-1.25	--	--	--
OMW-5R - OMW-6	-2.14	-3.51	-4.61	-16.42	-16.96	-16.47
OMW-8R - OMW-7	3.57	2.41	2.57	-15.74	-16.14	-15.94
OMW-10R - OMW-9	0.32	-0.19	-0.50	-22.42	-20.53	-19.68
OMW-12R - OMW-11	2.59	2.55	2.74	-2.39	-1.27	-1.19
OMW-13R - OMW-14R	NA	3.51	1.13	--	--	--
OMW-15 - OMW-16R	2.89	1.06	-1.11	--	--	--

Note:

(1) - Negative number indicates an inward/downward gradient measured in feet.

TABLE 4.2

QUARTERLY AIR SAMPLING ANALYTICAL RESULTS
COMMUNITY MONITORING PROGRAM
SECOND QUARTER - 1998
HYDE PARK LANDFILL SITE

<i>Parameter</i>	<i>CMW-7OB</i> <i>05/13/98</i>	<i>CMW-8OB</i> <i>05/13/98</i>	<i>Field Blank</i> <i>05/13/98</i>
Chlorobenzene	ND 0.86	ND 0.89	ND 1.0
Monochlorotoluenes	ND 0.86	ND 0.89	ND 1.0
m-Monochlorobenzotrifluoride	ND 0.86	ND 0.89	ND 1.0
o-Monochlorobenzotrifluoride	ND 0.86	ND 0.89	ND 1.0
p-Monochlorobenzotrifluoride	ND 0.83	ND 0.89	ND 1.0

Note:

All units are PPBV assuming STP.

Table 4.3
DAILY ANALYTICAL DATA FOR HYDE PARK
LEACHATE TREATMENT SYSTEM PROGRESS REPORT
apr 98

ND = NOT DETECTED
NA = NOT ANALYZED

DATE	OPERATING HOURS	TOC* - mg/L			PHENOL** - mg/L			EFFL pH 5-10	GALLONS	rain COMMENTS
		FEED	INTSTG	EFFL	FEED	INTSTG	EFFL			
01-Apr-98	16	62.1	28.5	4.6	14.20	<0.1	<0.1	7.5	121,122	
02-Apr-98	16	56.5	27.5	4.5	11.70	<0.1	<0.1	7.4	149,202	
03-Apr-98	16	54	31.6	3.6	14.10	<0.1	<0.1	7.2	121,609	2.41
04-Apr-98	16	49	31.3	1.8	7.90	<0.1	<0.1	7.4	221,284	2.42
05-Apr-98	16	42.5	30.7	3.5	10.80	<0.1	0.20	7.4	215,441	training
06-Apr-98	16	43.6	35.3	3.5	8.50	0.17	<0.1	7.2	113,126	
07-Apr-98	16	42.5	33.2	4.5	7.60	<0.1	<0.1	7.3	144,919	
08-Apr-98	16	47.7	32.9	3.4	9.40	<0.1	<0.1	7.4	129,000	
09-Apr-98	16	51.6	32.1	2.8	12.90	0.59	<0.1	7.4	136,429	
10-Apr-98	16	42.7	34.8	3.5	9.50	0.80	<0.1	7.3	139,941	
11-Apr-98	16	33.7	30.6	3.1	9.80	0.77	<0.1	7.4	159,109	
12-Apr-98	16	31.7	30.8	4	<0.1	<0.1	0.19	7.3	132,038	
13-Apr-98	16	30.8	33.1	4.8	6.90	1.44	<0.1	7.2	132,214	
14-Apr-98	16	32.8	30.7	5.2	8.50	1.73	0.13	7.2	128,095	
15-Apr-98	16	39.3	28.8	3.6	7.80	2.32	<0.1	7.3	151,826	
16-Apr-98	16	33	28.2	3.2	2.70	2.63	<0.1	7.3	225,057	
17-Apr-98	16	47.5	30.4	3.5	9.70	2.90	<0.1	7.4	152,008	
18-Apr-98	16	28.4	20.5	3	6.40	<0.1	<0.1	7.6	119,633	
19-Apr-98	16	42.6	20.8	2.8	9.70	<0.1	<0.1	7.4	157,675	
20-Apr-98	16	29.3	16.5	2.3	8.70	<0.1	<0.1	7.4	137,024	
21-Apr-98	16	30.3	18.6	2.9	7.70	<0.1	<0.1	7.3	130,452	
22-Apr-98	16	29.8	17.4	2.6	7.50	<0.1	<0.1	7.3	154,822	
23-Apr-98	16	28	18.5	3.4	7.70	<0.1	<0.1	7.3	137,502	
24-Apr-98	16	32.8	19	3.2	9.70	<0.1	<0.1	7.4	126,920	
25-Apr-98	16	28.8	18.5	3.1	6.60	<0.1	<0.1	7.4	128,860	
26-Apr-98	16	30.4	20.1	2.7	7.60	0.14	0.13	7.4	126,000	
27-Apr-98	16	26	17.9	1.7	<0.1	<0.1	<0.1	7.4	145,034	
28-Apr-98	16	30	19.3	2.1	<0.1	<0.1	<0.1	7.3	102,012	
29-Apr-98	16	28	19.4	3.7	<0.1	<0.1	<0.1	7.4	121,534	
30-Apr-98	16	32.4	20.3	3.2	<0.1	<0.1	<0.1	7.3	108,547	
01-May-98	16	0	0	0	<0.1	<0.1	<0.1	0	0	

* TOC TREATMENT LEVEL = 1000 m **PHENOL TREATMENT LEVEL = 1 mg/L

16 36.7 25.07 3.219 7.213 0.435 0.021 7.113 4268435

Table 4.3
DAILY ANALYTICAL DATA FOR HYDE PARK
LEACHATE TREATMENT SYSTEM PROGRESS REPORT
may 98

ND = NOT DETECTED
NA = NOT ANALYZED

DATE	OPERATING HOURS	TOC* - mg/L			PHENOL** - mg/L			EFFL pH 5-10	GALLONS	rain COMMENTS
		FEED	INTSTG	EFFL	FEED	INTSTG	EFFL			
01-May-98	16	32.7	20.5	3.3	12.90	<0.1	<0.1	7	128,370	
02-May-98	16	34.4	22	3	7.20	<0.1	<0.1	7.1	132,416	
03-May-98	16	29.1	17.2	1.8	6.90	<0.1	<0.1	7	129,462	
04-May-98	16	36.5	17.5	1.3	9.60	<0.1	<0.1	7	129,420	
05-May-98	16	33.1	18	5.9	8.80	<0.1	<0.1	7	119,673	
06-May-98	16	32	17.3	6	8.40	<0.1	<0.1	7	105,835	
07-May-98	16	40.9	18.2	1.6	10.00	<0.1	<0.1	7.3	117,017	
08-May-98	16	43.9	25.1	1.6	9.50	0.12	<0.1	7.3	90,897	
09-May-98	0	0	0	0	<0.1	<0.1	<0.1	0	0	
10-May-98	0	0	0	0	<0.1	<0.1	<0.1	0	0	
11-May-98	24	96.6	26.1	8	42.30	1.90	0.40	7.3	161,333	
12-May-98	24	31.7	24.1	2.3	9.80	1.20	0.19	7.3	203,970	
13-May-98	16	0	27.4	1.4	<0.1	1.30	<0.1	7.1	115,441	
14-May-98	16	30.2	9	1.9	5.40	<0.1	<0.1	7.1	122,909	
15-May-98	16	46.7	12.9	1.8	5.60	<0.1	<0.1	7.1	135,197	
16-May-98	0	0	0	0	<0.1	<0.1	<0.1	0	0	
17-May-98	0	0	0	0	<0.1	<0.1	<0.1	0	0	
18-May-98	24	30.7	14.8	2.7	8.30	<0.1	<0.1	7.6	180,173	
19-May-98	24	28.8	15.5	2.5	8.70	<0.1	<0.1	7.2	205,695	
20-May-98	24	29.9	16.7	3.6	7.80	0.12	<0.1	7.45	133,103	
21-May-98	16	34.9	16.6	2.6	7.10	0.15	<0.1	7.54	127,388	
22-May-98	16	70.8	20.5	1.1	15.00	<0.1	<0.1	7.3	110,679	
23-May-98	0	0	0	0	<0.1	<0.1	<0.1	0	0	
24-May-98	0	0	0	0	<0.1	<0.1	<0.1	0	0	
25-May-98	0	0	0	0	<0.1	<0.1	<0.1	0	0	
26-May-98	24	39.1	15.2	2.4	9.50	<0.1	<0.1	7.4	199,365	
27-May-98	24	34.7	16.7	1.1	9.70	<0.1	<0.1	7.4	223,090	
28-May-98	16	44.6	19	1.1	11.20	<0.1	<0.1	7.2	102,086	
29-May-98	16	68.5	23.6	1.6	10.50	<0.1	<0.1	7.56	105,061	
30-May-98	0	0	0	0	<0.1	<0.1	<0.1	0	0	
31-May-98	0	0	0	0	<0.1	<0.1	<0.1	0	0	

* TOC TREATMENT LEVEL = 1000 m **PHENOL TREATMENT LEVEL = 1 mg/L

13.161 28.06 13.35 1.89 7.232 0.155 0.019 5.137 3078580

Table 4.3
DAILY ANALYTICAL DATA FOR HYDE PARK
LEACHATE TREATMENT SYSTEM PROGRESS REPORT
jun 98

ND = NOT DETECTED
NA = NOT ANALYZED

DATE	OPERATING HOURS	TOC* - mg/L			PHENOL** - mg/L			EFFL pH 5-10	GALLONS	rain COMMENTS
		FEED	INTSTG	EFFL	FEED	INTSTG	EFFL			
01-Jun-98	16	44.7	21.3	1.6	9.50	<0.1	<0.1	7.16	159,585	
02-Jun-98	16	43	22.2	1.6	11.40	<0.1	<0.1	7.38	132,302	
03-Jun-98	16	40.8	23.7	2.1	9.50	<0.1	<0.1	7.41	128,942	
04-Jun-98	16	36.4	22.3	2.4	10.20	0.20	<0.1	7.3	115,860	
05-Jun-98	16	34.4	21.8	2	9.30	<0.1	<0.1	6.9	87,987	
06-Jun-98	0	0	0	0	<0.1	<0.1	<0.1	0	0	
07-Jun-98	0	0	0	0	<0.1	<0.1	<0.1	0	0	
08-Jun-98	16	8.9	22.2	6.1	0.42	<0.1	<0.1	7.45	122,281	
09-Jun-98	16	10	19.6	2.1	1.20	0.13	<0.1	7.4	128,993	
10-Jun-98	16	9.6	18.4	2.8	2.60	<0.1	<0.1	7.3	114,816	
11-Jun-98	10	14.5	16.8	1.6	2.60	0.13	<0.1	7.42	121,428	
12-Jun-98	16	16.4	32.4	1.8	2.30	<0.1	<0.1	7.02	65,132	
13-Jun-98	0	0	0	0	<0.1	<0.1	<0.1	0	0	
14-Jun-98	0	0	0	0	<0.1	<0.1	<0.1	0	0	
15-Jun-98	16	19.1	16.1	2.2	3.30	<0.1	<0.1	7.31	141,798	
16-Jun-98	16	27.3	15.5	1.3	7.10	<0.1	<0.1	7.06	129,525	
17-Jun-98	16	18.9	14.6	1.5	6.00	0.16	0.06	7.05	112,304	
18-Jun-98	16	22.5	13.7	1.1	6.20	<0.1	<0.1	7.25	96,560	
19-Jun-98	8	21.7	19.8	1.9	7.20	<0.1	<0.1	7.45	40,007	
20-Jun-98	0	0	0	0	<0.1	<0.1	<0.1	0	0	
21-Jun-98	0	0	0	0	<0.1	<0.1	<0.1	0	0	
22-Jun-98	16	15.4	12.3	7.6	6.30	<0.1	<0.1	7.28	144,072	
23-Jun-98	16	23.5	17.4	0.8	6.80	<0.1	<0.1	7.23	127,404	
24-Jun-98	16	23.1	11.3	7.3	8.30	<0.1	<0.1	7.18	85,958	
25-Jun-98	16	0	0	0	<0.1	<0.1	<0.1	7.2	67,054	
26-Jun-98	8	26.8	26.4	30.1	9.50	<0.1	<0.1	7.1	57,178	
27-Jun-98	0	0	0	0	<0.1	<0.1	<0.1	0	0	
28-Jun-98	0	0	0	0	<0.1	<0.1	<0.1	0	0	
29-Jun-98	16	27.9	13.3	8.7	7.20	<0.1	<0.1	7.27	129,657	
30-Jun-98	16	37.1	20	3.3	6.60	<0.1	<0.1	7.17	88,742	
01-Jul-98	0	0	0	0	<0.1	<0.1	<0.1	0	0	

* TOC TREATMENT LEVEL = 1000 m **PHENOL TREATMENT LEVEL = 1 mg/L

10.645 16.84 12.94 2.9 4.307 0.02 0.002 5.138 2397585

TABLE 4.4

WEEKLY SAMPLING ANALYTICAL RESULTS
 LEACHATE TREATMENT SYSTEM
 SECOND QUARTER - 1998
 HYDE PARK LANDFILL SITE

Composite Effluent Samples

<u>Parameter</u>	<u>Treatment Level (µg/L)</u>	<u>03/30 to 04/05</u>	<u>04/06 to 04/12</u>	<u>04/13 to 04/19</u>	<u>04/20 to 04/26</u>	<u>04/27 to 05/03</u>	<u>05/04 to 05/10</u>	<u>05/11 to 05/17</u>
Trichloroethylene	10	ND 1	ND 1	ND 1	ND 1	ND 1	ND 5	ND 5
Tetrachloroethylene	10	ND 1	ND 1	ND 1	ND 1	ND 1	ND 5	ND 5
2-Monochlorobenzotrifluoride	10	ND 1	ND 1	ND 1	ND 1	ND 1	ND 3	ND 3
3-Monochlorobenzotrifluoride	10	ND 1	ND 1	ND 1	ND 1	ND 1	ND 3	ND 3
4-Monochlorobenzotrifluoride	10	ND 1	ND 1	ND 1	ND 1	ND 1	ND 3	ND 3
Monochlorobenzene	10	ND 1	ND 1	ND 1	ND 1	ND 1	ND 10	ND 10
2-Monochlorotoluene	10	ND 1	ND 1	ND 1	ND 1	ND 1	ND 3	ND 3
3-Monochlorotoluene	10	ND 1	ND 1	ND 1	ND 1	ND 1	ND 3	ND 3
4-Monochlorotoluene	10	ND 1	ND 1	ND 1	ND 1	ND 1	ND 3	ND 3

Note:

All concentrations are in µg/L.

NA - Not analyzed.

TABLE 4.4

WEEKLY SAMPLING ANALYTICAL RESULTS
LEACHATE TREATMENT SYSTEM
SECOND QUARTER - 1998
HYDE PARK LANDFILL SITE

<u>Composite Effluent Samples</u>		<i>Treatment</i>	<i>05/18 to</i>	<i>05/25 to</i>	<i>06/01 to</i>	<i>06/08 to</i>	<i>06/15 to</i>	<i>06/22 to</i>
<i>Parameter</i>		<i>Level (µg/L)</i>	<i>05/24</i>	<i>05/31</i>	<i>06/07</i>	<i>06/14</i>	<i>06/21</i>	<i>06/28</i>
Trichloroethylene	10		ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
Tetrachloroethylene	10		ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
2-Monochlorobenzotrifluoride	10		ND 3	ND 3	ND 3	ND 3	ND 3	ND 3
3-Monochlorobenzotrifluoride	10		ND 3	ND 3	ND 3	ND 3	ND 3	ND 3
4-Monochlorobenzotrifluoride	10		ND 3	ND 3	ND 3	ND 3	ND 3	ND 3
Monochlorobenzene	10		ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Monochlorotoluene	10		ND 3	ND 3	ND 3	ND 3	ND 3	ND 3
3-Monochlorotoluene	10		ND 3	ND 3	ND 3	ND 3	ND 3	ND 3
4-Monochlorotoluene	10		ND 3	ND 3	ND 3	ND 3	ND 3	ND 3

Note:

All concentrations are in µg/L.

NA - Not analyzed.

TABLE 4.5

MONTHLY SAMPLING ANALYTICAL RESULTS
 LEACHATE TREATMENT SYSTEM
 SECOND QUARTER - 1998
 HYDE PARK LANDFILL SITE

<i>Parameter</i>	<i>Treatment Level (µg/L)</i>	<i>EFFLUENT DATA</i>		
		<i>April</i>	<i>May</i>	<i>June</i>
1,3,5 - Trichlorobenzene	10	ND 1	ND 3	ND 3
1,2,4 - Trichlorobenzene	10	ND 1	ND 3	ND 3
1,2,3 - Trichlorobenzene	10	ND 1	ND 3	ND 3
Hexachlorobutadiene (C-46)	10	ND 1	ND 10	ND 10
1,2,4,5 - Tetrachlorobenzene	10	ND 1	ND 5	ND 5
1,2,3,4 - Tetrachlorobenzene	10	ND 1	ND 5	ND 5
Hexachlorocyclopentadiene (C-56)	10	ND 1	ND 10	ND 10
2,4,5 - Trichlorophenol	10	ND 1	ND 10	ND 10
Octochlorocyclopentene (C-58)	10	ND 1	ND 3	ND 3
Hexachlorobenzene (C-66)	10	ND 1	ND 3	ND 3
a - Hexachlorocyclohexane	10	ND 1	ND 2.5	ND 2.5
b - Hexachlorocyclohexane	10	ND 1	ND 2.5	ND 2.5
d - Hexachlorocyclohexane	10	ND 1	ND 2.5	ND 2.5
g - Hexachlorocyclohexane	10	ND 1	ND 2.5	ND 2.5

Note:

All concentrations are in micrograms/liter.

APPENDIX A

HYDRAULIC MONITORING DATA
NAPL PLUME CONTAINMENT SYSTEM

NAPL PLUME BEDROCK MONITORING PROGRAM
HYDE PARK LANDFILL

Water Levels - Reference No. 1069
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WELL NO.	B1U	B2U Hydraulic	B1M	B2M Hydraulic	B1L	B2L Hydraulic
CASING EL.	592.40	590.17 Gradient	591.31	589.96 Gradient	592.24	590.08 Gradient
01/19/93	574.45	568.86 5.59	553.24	552.97 0.27	521.52	521.65 -0.13
02/10/93	573.93	568.71 5.22	546.66	546.24 0.42	519.92	520.06 -0.14
ROUND 1 SAMPLING (3/26 to 4/07)						
03/10/93	572.18 (2)	568.04 (2) 4.14	544.46 (2)	545.45 (2) -0.99	521.43 (2)	521.51 (2) -0.08
04/21/93	573.70	568.79 4.91	544.47	544.84 -0.37	520.31	528.56 -8.25
05/14/93	573.52	567.72 5.80	544.49	545.78 -1.29	520.52	521.05 -0.53
ROUND 2 SAMPLING (6/07 to 6/17)						
06/16/93	567.60	567.07 0.53	541.63	541.40 0.23	522.48	522.50 -0.02
08/27/93	572.02	567.74 4.28	539.61	539.32 0.29	532.30	531.96 0.34
09/13/93	571.76	567.59 4.17	540.91	541.16 -0.25	530.05	527.74 2.31
ROUND 3 SAMPLING (9/13 to 9/25)						
03/29/94	574.13	569.96 4.17	552.46	552.13 0.33	544.41	542.54 1.87
05/10/94	573.15	568.67 4.48	535.21	535.05 0.16	524.33	524.72 -0.39
ROUND 4 SAMPLING (5/18 to 5/27)						
06/07/94	573.44	569.21 4.23	545.85	544.56 1.29	524.29	524.53 -0.24
07/06/94	572.70	568.67 4.03	530.21	530.12 0.09	524.72	525.30 -0.58
08/02/94	569.80	567.04 2.76	530.67	530.46 0.21	525.20	525.32 -0.12
ROUND 5 SAMPLING (8/16 to 9/07)						
09/06/94	569.32	566.44 2.88	529.96	529.78 0.18	525.43	525.83 -0.40
10/04/94	567.93	565.46 2.47	533.86	533.65 0.21	524.26	524.61 -0.35
11/01/94	568.88	566.32 2.56	533.63	533.36 0.27	523.76	524.46 -0.70
ROUND 6 SAMPLING (11/08 to 11/14)						
12/01/94	568.82	566.33 2.49	533.46	533.21 0.25	523.92	524.21 -0.29
01/03/95	569.74	567.24 2.50	537.09	536.84 0.25	524.13	524.16 -0.03
02/16/95	569.33	566.77 2.56	533.26	532.98 0.28	523.67	523.73 -0.06
03/01/95	568.76	566.87 1.89	533.23	533.04 0.19	523.78	524.16 -0.38
04/06/95	569.76	567.41 2.35	546.30	546.22 0.08	534.90	536.84 -1.94
06/20/95	569.11	566.47 2.64	535.36	535.14 0.22	523.31	524.45 -1.14
07/11/95	569.42	566.87 2.55	535.14	534.93 0.21	523.62	524.49 -0.87
08/01/95	569.26	566.82 2.44	534.20	534.01 0.19	523.62	523.79 -0.17
ROUND 7 SAMPLING (08/28 to 08/29)						
09/05/95	569.02	566.42 2.60	534.21	534.01 0.20	523.46	524.65 -1.19
10/02/95	568.40	566.12 2.28	533.87	533.61 0.26	523.65	524.05 -0.40
11/01/95	569.37	567.20 2.17	534.33	534.10 0.23	523.63	523.55 0.08
ROUND 8 SAMPLING (11/16)						
12/05/95	570.89	568.27 2.62	536.23	536.03 0.20	523.51	525.00 -1.49
01/02/96	570.72	567.97 2.75	536.19	535.95 0.24	523.60	524.23 -0.63

R = Bedrock well
NM = Not Measured
NC = Not Calculated

- (1) Water levels performed on 2/11/93.
- (2) Water levels performed on 3/09/93.
- (3) Water levels performed on 3/11/93.
- (4) Water levels high due to well flushing.

NAPL PLUME BEDROCK MONITORING PROGRAM
HYDE PARK LANDFILL

Water Levels - Reference No. 1069

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WELL NO.	BC3U	B1U Hydraulic	BC3M	B1M Hydraulic	BC3L	B1L Hydraulic			
CASING EL.	594.88	592.40 Gradient	596.51	591.31 Gradient	594.70	592.24 Gradient			
01/22/96	567.82	570.89	-3.07	538.36	536.71	1.65	519.13	523.47	-4.34
02/06/96	568.19	570.61	-2.42	568.48 (4)	536.56	31.92	578.87 (4)	523.74	55.13
ROUND 9 SAMPLING (02/16 to 02/28)									
03/05/96	568.89	570.88	-1.99	540.98	534.98	6.00	509.06	523.92	-14.86
04/02/96	568.38	570.96	-2.58	537.12	536.71	0.41	516.00	533.21	-17.21
05/01/96	569.68	571.28	-1.60	541.02	538.41	2.61	525.50	523.50	2.00
ROUND 10 SAMPLING (05/28 to 06/17)									
06/04/96	568.92	570.81	-1.89	539.04	536.06	2.98	525.33	523.80	1.53
07/02/96	568.04	570.20	-2.16	533.78	533.98	-0.20	527.67	524.24	3.43
08/06/96	567.36	569.25	-1.89	533.16	533.32	-0.16	530.17	523.84	6.33
ROUND 11 SAMPLING (08/27 to 09/13)									
09/03/96	567.06	568.79	-1.73	532.58	532.74	-0.16	531.41	523.97	7.44
10/01/96	567.94	569.60	-1.66	533.08	533.27	-0.19	532.72	524.03	8.69
11/05/96	568.78	570.40	-1.62	533.41	533.65	-0.24	533.96	523.96	10.00
ROUND 12 SAMPLING (11/04 to 11/13)									
12/03/96	NM	570.91	NA	533.72	533.92	-0.20	534.45	524.02	10.43
01/07/97	570.02	571.31	-1.29	541.84	540.50	1.34	535.19	525.21	9.98
02/04/97	569.10	570.61	-1.51	534.15	534.37	-0.22	535.47	523.31	12.16
ROUND 13 SAMPLING (02/06 to 02/20)									
03/06/97	570.10	571.69	-1.59	541.70	541.86	-0.16	535.89	535.44	0.45
04/08/97	570.50	572.17	-1.67	539.84	541.56	-1.72	537.09	525.69	11.40
05/06/97	568.92	568.60	0.32	541.03	539.29	1.74	533.04	533.38	-0.34
ROUND 14 SAMPLING (05/05 to 05/16)							B1L 592.24	B2L Hydraulic 590.08	Gradient
06/03/97	568.50	568.96	-0.46	533.02	533.23	-0.21	523.66	523.84	-0.18
07/01/97	568.84	570.71	-1.87	535.71	535.86	-0.15	523.11	NM	NA
08/05/97	565.66	568.95	-3.29	533.66	532.76	0.90	523.48	523.33	0.15
ROUND 15 SAMPLING (08/04 to 08/21)									
09/03/97	567.26	568.75	-1.49	532.43	532.63	-0.20	523.69	523.36	0.33
10/07/97	567.36	569.20	-1.84	532.34	533.43	-1.09	525.98	524.52	1.46
11/04/97	567.58	569.40	-1.82	532.79	533.67	-0.88	522.48	523.86	-1.38
ROUND 16 SAMPLING (11/10 to 11/13)									
12/02/97	568.76	570.28	-1.52	532.56	532.91	-0.35	523.45	522.73	0.72
01/06/98	569.93	570.95	-1.02	538.65	538.79	-0.14	531.83	531.35	0.48
02/03/98	571.48	571.50	-0.02	540.11	540.41	-0.30	532.84	541.58	-8.74
ROUND 17 SAMPLING (02/06 to 02/17)									
3/25/98	567.28	570.55	-3.27	535.61	536.31	-0.70	524.69	525.83	-1.14

R = Bedrock well

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(1) Water levels performed on 2/11/93.

(2) Water levels performed on 3/09/93.

(3) Water levels performed on 3/11/93.

(4) Water levels high due to well flushing.

NAPL PLUME BEDROCK MONITORING PROGRAM
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WELL NO.	BC3U	B1U Hydraulic	BC3M	B1M Hydraulic	B1L	B2L Hydraulic
CASING EL.	594.88	592.40 Gradient	596.51	591.31 Gradient	592.24	590.08 Gradient
4/8/98	567.88	570.58 -2.70	532.66	533.11 -0.45	524.24	525.07 -0.83
5/5/98	567.67	569.84 -2.17	534.16	534.31 -0.15	524.49	525.03 -0.54
ROUND 18 SAMPLING (05/13 to 05/20)						
6/2/98	567.88	569.45 -1.57	533.10	533.29 -0.19	525.04	524.95 0.09

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(1) Water levels performed on 2/11/93.

(2) Water levels performed on 3/09/93.

(3) Water levels performed on 3/11/93.

(4) Water levels high due to well flushing.

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WELL NO. CASING EL.	C1U 593.66	C2U Hydraulic 589.91 Gradient	C1M 594.04	C2M Hydraulic 589.90 Gradient	C1L 593.16	C2L Hydraulic 589.69 Gradient
01/19/93	573.98	582.59 -8.61	553.33	553.21 0.12	522.06	522.06 0.00
02/10/93	573.31	578.58 -5.27	546.54	551.59 -5.05	520.48	520.44 0.04
ROUND 1 SAMPLING (3/26 to 4/07)						
03/10/93	571.73 (2)	589.00 -17.27	545.92 (2)	549.51 -3.59	521.98 (2)	522.49 -0.51
04/21/93	573.21	558.37 14.84	545.23	545.32 -0.09	520.94	520.83 0.11
05/14/93	573.09	570.95 2.14	546.42	546.26 0.16	521.49	524.77 -3.28
ROUND 2 SAMPLING (6/07 to 6/17)						
06/16/93	568.12	537.47 30.65	541.76	541.84 -0.08	522.96	522.79 0.17
08/27/93	571.62	568.06 3.56	539.86	533.16 6.70	532.74	NM NC
09/13/93	570.97	567.25 3.72	541.05	540.46 0.59	530.40	529.97 0.43
ROUND 3 SAMPLING (9/13 to 9/25)						
03/29/94	574.34	589.91 -15.57	552.46	552.63 -0.17	543.00	542.68 0.32
05/10/94	573.08	583.11 -10.03	535.80	535.80 0.00	524.92	524.69 0.23
ROUND 4 SAMPLING (5/18 to 5/27)						
06/07/94	573.56	562.54 11.02	545.00	545.11 -0.11	525.02	524.67 0.35
07/06/94	572.72	559.65 13.07	530.60	530.67 -0.07	525.50	524.79 0.71
08/02/94	569.15	579.31 -10.16	531.00	530.89 0.11	525.41	525.98 -0.57
ROUND 5 SAMPLING (8/16 to 9/07)						
09/06/94	567.33	544.60 22.73	530.22	530.19 0.03	526.36	525.66 0.70
10/04/94	566.89	581.17 -14.28	526.05	534.09 -8.04	525.23	525.32 -0.09
11/01/94	567.66	567.20 0.46	533.76	533.82 -0.06	525.06	524.93 0.13
ROUND 6 SAMPLING (11/03 to 11/14)						
12/01/94	567.30	546.15 21.15	533.68	533.66 0.02	525.18	525.05 0.13
01/03/95	568.25	565.59 2.66	537.42	537.33 0.09	530.04	525.32 4.72
02/16/95	567.46	571.65 -4.19	533.59	533.40 0.19	524.58	524.99 -0.41
03/01/95	567.74	568.11 -0.37	533.61	533.46 0.15	524.62	524.21 0.41
04/06/95	568.54	574.61 -6.07	547.62	547.59 0.03	538.36	537.79 0.57
06/20/95	567.64	569.15 -1.51	535.89	535.67 0.22	523.78	524.47 -0.69
07/11/95	568.41	569.58 -1.17	535.63	535.39 0.24	525.11	524.40 0.71
08/01/95	568.07	566.54 1.53	534.86	534.52 0.34	525.41	524.62 0.79
ROUND 7 SAMPLING (08/28 to 08/29)						
09/05/95	567.56	566.40 1.16	534.80	534.43 0.37	524.20	523.75 0.45
10/02/95	566.73	564.40 2.33	534.38	534.03 0.35	523.82	524.89 -1.07
11/01/95	568.64	574.69 -6.05	535.01	534.56 0.45	525.07	524.93 0.14
ROUND 8 SAMPLING (11/16)						
12/05/95	570.12	580.63 -10.51	537.05	536.49 0.56	524.20	524.73 -0.53
01/02/96	569.33	569.33 0.00	536.49	536.00 0.49	523.91	524.18 -0.27

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(3) Water levels performed on 3/11/93.

(4) Water levels high due to well flushing.

NAPL PLUME BEDROCK MONITORING PROGRAM
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WELL NO.	BC3U	C1U Hydraulic	BC3M	C1M Hydraulic	BC3L	C1L Hydraulic
CASING EL.	594.88	593.66 Gradient	596.51	594.04 Gradient	594.70	593.16 Gradient
01/22/96	567.82	570.33 -2.51	538.36	537.37 0.99	519.13	524.41 -5.28
02/06/96	568.19	569.69 -1.50	568.48 (4)	537.38 31.10	578.87 (4)	523.98 54.89
ROUND 9 SAMPLING (02/16 to 02/28)						
03/05/96	568.89	570.33 -1.44	540.98	535.65 5.33	509.06	524.62 -15.56
04/02/96	568.38	569.85 -1.47	537.12	537.42 -0.30	516.00	533.17 -17.17
05/01/96	569.68	570.38 -0.70	541.02	539.34 1.68	525.50	524.76 0.74
ROUND 10 SAMPLING (05/28 to 06/17)						
06/04/96	568.92	569.93 -1.01	539.04	536.64 2.40	525.33	524.00 1.33
07/02/96	568.04	569.19 -1.15	533.78	534.51 -0.73	527.67	525.34 2.33
08/06/96	567.36	568.22 -0.86	533.16	533.74 -0.58	530.17	524.01 6.16
ROUND 11 SAMPLING (08/27 to 09/13)						
09/03/96	567.06	567.52 -0.46	532.58	533.20 -0.62	531.41	524.78 6.63
10/01/96	567.94	568.80 -0.86	533.08	533.73 -0.65	532.72	524.76 7.96
11/05/96	568.78	569.66 -0.88	533.41	534.00 -0.59	533.96	523.82 10.14
ROUND 12 SAMPLING (11/04 to 11/13)						
12/03/96	NM	570.29 NA	533.72	534.32 -0.60	534.45	525.14 9.31
01/07/97	570.02	570.83 -0.81	541.84	540.49 1.35	535.19	526.02 9.17
02/04/97	569.10	569.94 -0.84	534.15	534.78 -0.63	535.47	528.62 6.85
ROUND 13 SAMPLING (02/06 to 02/20)						
03/06/97	570.10	571.26 -1.16	541.70	542.12 -0.42	535.89	535.48 0.41
04/08/97	570.50	571.66 -1.16	539.84	541.77 -1.93	537.09	526.30 10.79
05/06/97	568.92	569.94 -1.02	541.03	540.56 0.47	533.04	535.72 -2.68
ROUND 14 SAMPLING (05/05 to 05/16)						
					C1L 593.16	C2L Hydraulic 589.69 Gradient
06/03/97	568.50	569.57 -1.07	533.02	533.46 -0.44	524.23	523.91 0.32
07/01/97	568.84	572.16 -3.32	535.71	536.13 -0.42	523.75	NM NA
08/05/97	565.66	568.20 -2.54	533.66	532.89 0.77	524.59	523.63 0.96
ROUND 15 SAMPLING (08/04 to 08/21)						
09/03/97	567.26	568.26 -1.00	532.43	532.74 -0.31	524.35	523.24 1.11
10/07/97	567.36	568.56 -1.20	532.34	534.24 -1.90	529.26	525.34 3.92
11/04/97	567.58	568.66 -1.08	532.79	533.71 -0.92	523.94	522.57 1.37
ROUND 16 SAMPLING (11/10 to 11/13)						
12/02/97	568.76	570.51 -1.75	532.56	532.87 -0.31	522.98	523.11 -0.13
01/06/98	569.93	570.41 -0.48	538.65	538.94 -0.29	531.96	531.99 -0.03
02/03/98	571.48	561.26 10.22	540.11	540.44 -0.33	532.96	532.89 0.07
ROUND 17 SAMPLING (02/06 to 02/17)						
3/25/98	567.28	569.86 -2.58	535.61	536.79 -1.18	525.06	NM NA

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(4) Water levels high due to well flushing.

NAPL PLUME BEDROCK MONITORING PROGRAM
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WELL NO.	BC3U	C1U Hydraulic	BC3M	C1M Hydraulic	C1L	C2L Hydraulic
CASING EL.	594.88	593.66 Gradient	596.51	594.04 Gradient	593.16	589.69 Gradient
4/8/98	567.88	569.44 -1.56	532.66	533.22 -0.56	524.86	524.95 -0.09
5/5/98	567.67	568.78 -1.11	534.16	534.59 -0.43	524.60	525.16 -0.56
ROUND 18 SAMPLING (05/13 to 05/20)						
6/2/98	567.88	568.25 -0.37	533.10	533.39 -0.29	525.33	524.39 0.94

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WELL NO. CASING EL.	D1U 592.89	D2U Hydraulic 589.51	Gradient	D1M 592.53	D2M Hydraulic 589.40	Gradient	D1L 592.37	D2L Hydraulic 589.92	Gradient
01/19/93	570.66	571.92	-1.26	551.04	551.15	-0.11	520.17	551.41	-31.24
02/10/93	569.97	568.90	1.07	546.29	546.39	-0.10	519.37	551.33	-31.96
ROUND 1 SAMPLING (3/26 to 4/07)									
03/10/93	570.87	571.09	-0.22	549.30	549.40	-0.10	521.36	551.17	-29.81
04/21/93	572.24	570.36	1.88	545.02	545.10	-0.08	520.01	492.96	27.05
05/14/93	571.89	570.93	0.96	546.01	546.13	-0.12	520.62	514.14	6.48
ROUND 2 SAMPLING (6/07 to 6/17)									
06/16/93	569.77	566.58	3.19	541.01	541.70	-0.69	522.06	483.76	38.30
08/27/93	570.05	552.21	17.84	539.54	539.94	-0.40	528.79	528.82	-0.03
09/13/93	570.53	551.49	19.04	540.86	540.97	-0.11	527.26	535.12	-7.86
ROUND 3 SAMPLING (9/13 to 9/25)									
03/29/94	579.65	579.03	0.62	552.46	552.58	-0.12	536.81	546.48	-9.67
05/10/94	576.19	575.36	0.83	535.89	535.92	-0.03	522.32	545.87	-23.55
ROUND 4 SAMPLING (5/18 to 5/27)									
06/07/94	579.33	577.37	1.96	544.97	544.96	0.01	525.06	495.66	29.40
07/06/94	579.24	575.00	4.24	530.21	530.25	-0.04	522.73	516.40	6.33
08/02/94	578.46	574.15	4.31	530.56	530.64	-0.08	523.69	521.50	2.19
ROUND 5 SAMPLING (8/16 to 9/07)									
09/06/94	575.08	573.06	2.02	529.83	529.79	0.04	523.28	495.43	27.85
10/04/94	576.36	574.67	1.69	533.78	533.88	-0.10	522.67	514.43	8.24
11/01/94	576.49	575.01	1.48	533.54	533.60	-0.06	522.47	525.37	-2.90
ROUND 6 SAMPLING (11/08 to 11/14)									
12/01/94	576.49	576.29	0.20	533.33	533.38	-0.05	522.58	496.28	26.30
01/03/95	578.05	577.63	0.42	537.13	537.24	-0.11	522.97	516.58	6.39
02/16/95	577.56	577.11	0.45	533.13	533.21	-0.08	522.82	530.60	-7.78
03/01/95	577.99	577.81	0.18	533.15	533.20	-0.05	522.89	532.70	-9.81
04/06/95	578.78	578.11	0.67	547.92	547.91	0.01	525.65	536.50	-10.85
06/20/95	577.98	577.30	0.68	535.43	535.47	-0.04	522.13	540.32	-18.19
07/11/95	578.00	577.31	0.69	534.92	534.98	-0.06	522.24	540.83	-18.59
08/01/95	577.57	577.01	0.56	534.25	534.34	-0.09	522.21	541.38	-19.17
ROUND 7 SAMPLING (08/28 to 08/29)									
09/05/95	577.03	576.57	0.46	534.13	534.22	-0.09	521.80	541.39	-19.59
10/02/95	575.59	575.30	0.29	533.80	533.85	-0.05	521.79	540.62	-18.83
11/01/95	578.94	578.03	0.91	534.26	534.32	-0.06	521.94	540.53	-18.59
ROUND 8 SAMPLING (11/16)									
12/05/95	580.46	580.03	0.43	536.23	536.30	-0.07	522.14	540.01	-17.87
01/02/96	579.56	578.92	0.64	535.65	535.72	-0.07	522.12	539.45	-17.33

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- (1) Water levels performed on 2/11/93.
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- (3) Water levels performed on 3/11/93.
- (4) Water levels high due to well flushing.

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WELL NO. CASING EL.	D4U 598.09	D3U Hydraulic 600.02 Gradient	D1M 592.53	D2M Hydraulic 589.40 Gradient	D4L 600.09	D1L Hydraulic 592.37 Gradient
01/22/96	587.16	590.24 -3.08	536.54	536.65 -0.11	522.01	522.70 -0.69
02/06/96	586.92	592.30 -5.38	536.44	536.52 -0.08	522.56	522.56 0.00
ROUND 9 SAMPLING (02/16 to 02/28)						
03/05/96	587.47	595.08 -7.61	534.74	534.86 -0.12	521.30	521.80 -0.50
04/02/96	587.61	595.10 -7.49	536.62	536.67 -0.05	528.92	528.66 0.26
05/01/96	588.80	594.36 -5.56	538.22	538.30 -0.08	523.29	523.47 -0.18
ROUND 10 SAMPLING (05/28 to 06/17)						
06/04/96	587.65	590.12 -2.47	536.01	536.10 -0.09	522.08	522.10 -0.02
07/02/96	587.29	587.28 0.01	533.95	534.03 -0.08	520.93	521.74 -0.81
08/06/96	585.53	546.93 38.60	533.29	533.36 -0.07	520.74	521.48 -0.74
ROUND 11 SAMPLING (08/27 to 09/13)						
09/03/96	584.69	587.57 -2.88	532.77	532.82 -0.05	520.85	521.25 -0.40
10/01/96	586.86	590.54 -3.68	533.05	533.37 -0.32	520.72	520.65 0.07
11/05/96	585.47	588.99 -3.52	533.59	533.67 -0.08	520.83	520.50 0.33
ROUND 12 SAMPLING (11/04 to 11/13)						
12/03/96	586.04	590.34 -4.30	533.83	533.89 -0.06	520.87	520.71 0.16
01/07/97	587.04	591.16 -4.12	540.70	540.83 -0.13	545.79	520.67 25.12
02/04/97	585.87	589.86 -3.99	534.29	534.34 -0.05	520.57	520.62 -0.05
ROUND 13 SAMPLING (02/06 to 02/20)						
03/06/97	587.29	591.22 -3.93	542.00	542.14 -0.14	532.20	528.19 4.01
04/08/97	587.99	591.46 -3.47	541.46	541.55 -0.09	522.25	522.82 -0.57
05/06/97	585.59	589.32 -3.73	542.29	542.26 0.03	523.67	524.45 -0.78
ROUND 14 SAMPLING (05/05 to 05/16)						
06/03/97	581.95	586.94 -4.99	533.23	533.14 0.09	520.32	520.79 -0.47
07/01/97	582.51	586.73 -4.22	535.83	535.86 -0.03	519.71	520.51 -0.80
08/05/97	582.49	584.30 -1.81	532.69	532.75 -0.06	519.99	520.47 -0.48
ROUND 15 SAMPLING (08/04 to 08/21)						
09/03/97	580.39	584.83 -4.44	532.57	532.66 -0.09	520.41	520.39 0.02
10/07/97	581.27	585.84 -4.57	533.97	534.02 -0.05	522.95	524.35 -1.40
11/04/97	580.97	587.72 -6.75	531.43	533.90 -2.47	520.02	519.25 0.77
ROUND 16 SAMPLING 11/10 to 11/13)						
12/02/97	581.74	586.65 -4.91	532.74	532.83 -0.09	519.68	520.16 -0.48
01/06/98	582.24	587.05 -4.81	538.78	538.93 -0.15	529.69	526.12 3.57
02/03/98	NM	573.39 NA	540.33	539.80 0.53	531.59	528.17 3.42
ROUND 17 SAMPLING (02/06 to 02/17)						
3/25/98	NM	NM NA	NM	NM NA	524.04	NM NA

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(2) Water levels performed on 3/09/93.

(3) Water levels performed on 3/11/93.

(4) Water levels high due to well flushing.

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WELL NO.	D4U	D3U Hydraulic	D1M	D2M Hydraulic	D4L	D1L Hydraulic
CASING EL.	598.09	600.02 Gradient	592.53	589.40 Gradient	600.09	592.37 Gradient
4/8/98	582.94	586.97 -4.03	533.18	532.74 0.44	520.52	521.47 -0.95
5/5/98	583.84	587.82 -3.98	534.46	534.45 0.01	523.64	521.22 2.42
ROUND 18 SAMPLING (05/13 to 05/20)						
6/2/98	583.89	587.20 -3.31	533.33	533.30 0.03	523.56	520.52 3.04

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(3) Water levels performed on 3/11/93.

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WELL NO. CASING EL.	E1U 596.57	E2U Hydraulic 592.46 Gradient	E1M 596.25	E2M Hydraulic 592.28 Gradient	E1L 596.59	E2L Hydraulic 592.36 Gradient
01/19/93	579.30	582.58 -3.28	553.87	561.04 -7.17	568.82	530.09 38.73
02/10/93	578.84	581.76 -2.92	549.42	546.63 2.79	561.33	529.74 31.59
ROUND 1 SAMPLING (3/26 to 4/07)						
03/10/93	578.29 (2)	580.11 (2) -1.82	545.88 (2)	546.19 (2) -0.31	558.04 (2)	527.84 (2) 30.20
04/21/93	578.72	580.75 -2.03	543.66	545.26 -1.60	556.53	529.64 26.89
05/14/93	578.15	580.03 -1.88	545.43	546.31 -0.88	556.13	529.64 26.49
ROUND 2 SAMPLING (6/07 to 6/17)						
06/16/93	578.11	579.74 -1.63	541.09	541.96 -0.87	556.05	529.82 26.23
08/27/93	573.94	573.73 0.21	539.00	540.28 -1.28	555.91	530.71 25.20
09/13/93	573.13	572.67 0.46	545.75	557.32 -11.57	556.19	530.24 25.95
ROUND 3 SAMPLING (9/13 to 9/25)						
03/29/94	580.13	583.90 -3.77	551.68	552.73 -1.05	555.98	535.20 20.78
05/10/94	577.64	580.25 -2.61	535.80	537.85 -2.05	555.97	525.06 30.91
ROUND 4 SAMPLING (5/18 to 5/27)						
06/07/94	578.39	581.44 -3.05	544.11	545.28 -1.17	555.99	526.75 29.24
07/06/94	577.76	580.12 -2.36	Dry	537.00 NC	NM	525.61 NC
08/02/94	577.12	579.07 -1.95	530.11	537.14 -7.03	549.78	527.05 22.73
ROUND 5 SAMPLING (8/16 to 9/07)						
					E3L 592.93	E1L Hydraulic 596.59 Gradient
09/06/94	575.96	577.65 -1.69	530.57	537.10 -6.53	557.68	552.77 4.91
10/04/94	577.46	579.55 -2.09	532.14	537.83 -5.69	558.40	553.75 4.65
11/01/94	575.86	577.41 -1.55	532.80	536.98 -4.18	558.53	554.04 4.49
ROUND 6 SAMPLING (11/08 to 11/14)						
12/01/94	576.95	579.50 -2.55	532.63	537.42 -4.79	NM	554.21 NC
01/03/95	577.47	580.62 -3.15	536.31	540.64 -4.33	565.13	554.40 10.73
02/16/95	577.48	580.56 -3.08	532.41	537.53 -5.12	579.18	554.51 24.67
03/01/95	578.10	581.16 -3.06	532.45	537.39 -4.94	575.17	554.59 20.58
04/06/95	578.02	581.11 -3.09	547.16	548.42 -1.26	578.73	554.73 24.00
06/20/95	576.91	579.52 -2.61	534.87	538.35 -3.48	566.63	554.68 11.95
07/11/95	576.91	579.76 -2.85	534.28	537.56 -3.28	566.32	554.70 11.62
08/01/95	576.55	579.12 -2.57	533.39	537.26 -3.87	564.91	554.69 10.22
ROUND 7 SAMPLING (08/28 to 08/29)						
09/05/95	576.02	578.97 -2.95	533.50	537.17 -3.67	563.20	554.64 8.56
10/02/95	574.83	577.46 -2.63	533.11	537.22 -4.11	562.28	554.64 7.64
11/01/95	576.56	580.04 -3.48	533.57	537.64 -4.07	562.95	554.76 8.19
ROUND 8 SAMPLING (11/16)						
12/05/95	578.05	582.93 -4.88	535.54	539.27 -3.73	588.97	554.97 34.00
01/02/96	577.86	581.28 -3.42	535.50	538.95 -3.45	NM	554.95 NA

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(2) Water levels performed on 3/09/93.

(3) Water levels performed on 3/11/93.

(4) Water levels high due to well flushing.

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WELL NO.	E4U	E3U Hydraulic	E4M	E3M Hydraulic	E4L	E3L Hydraulic
CASING EL.	598.23	591.61 Gradient	597.98	593.70 Gradient	597.64	592.90 Gradient
01/22/96	589.53	587.13 2.40	NM	536.41 NA	532.64	NM NA
02/06/96	588.91	586.34 2.57	NM	536.45 NA	NM	NM NA
ROUND 9 SAMPLING (02/16 to 02/28)						
03/05/96	588.78	587.63 1.15	NM	534.72 NA	NM	NM NA
04/02/96	589.51	588.59 0.92	NM	536.62 NA	NM	NM NA
05/01/96	590.05	588.84 1.21	NM	538.37 NA	NM	NM NA
ROUND 10 SAMPLING (05/28 to 06/17)						
06/04/96	589.04	587.09 1.95	NM	536.07 NA	NM	NM NA
07/02/96	589.13	587.31 1.82	NM	533.94 NA	NM	NM NA
08/06/96	589.13	586.03 3.10	NM	533.94 NA	NM	NM NA
ROUND 11 SAMPLING (08/27 to 09/13)						
09/03/96	587.04	584.95 2.09	NM	532.69 NA	NM	NM NA
10/01/96	589.15	586.67 2.48	533.76	533.24 0.52	NM	NM NA
11/05/96	588.92	586.59 2.33	534.00	533.55 0.45	NM	NM NA
ROUND 12 SAMPLING (11/04 to 11/13)						
12/03/96	589.21	587.75 1.46	534.26	533.77 0.49	NM	NM NA
01/07/97	589.33	588.52 0.81	538.91	542.42 -3.51	NM	NM NA
02/04/97	589.23	587.84 1.39	534.93	534.45 0.48	NM	NM NA
ROUND 13 SAMPLING (02/06 to 02/20)						
03/06/97	589.28	588.56 0.72	542.63	542.11 0.52	NM	NM NA
04/08/97	588.93	588.31 0.62	541.96	540.89 1.07	NM	NM NA
05/06/97	588.13	586.86 1.27	544.98	543.98 1.00	NM	NM NA
ROUND 14 SAMPLING (05/05 to 05/16)						
06/03/97	589.21	583.89 5.32	531.74	532.94 -1.20	NM	NM NA
07/01/97	588.86	586.60 2.26	536.56	535.91 0.65	NM	NM NA
08/05/97	587.81	583.79 4.02	535.48	532.70 2.78	NM	NM NA
ROUND 15 SAMPLING (08/04 to 08/21)						
09/03/97	586.93	583.46 3.47	533.20	532.46 0.74	NM	NM NA
10/07/97	588.33	585.38 2.95	537.73	536.58 1.15		
11/04/97	587.83	584.71 3.12	534.23	533.80 0.43	NM	NM NA
ROUND 16 SAMPLING 11/10 to 11/13)						
12/02/97	588.69	586.25 2.44	533.27	532.65 0.62	NM	NM NA
01/06/98	589.08	586.66 2.42	539.43	538.83 0.60	NM	NM NA
02/03/98	589.08	NM NA	540.68	541.20 -0.52	NM	NM NA
ROUND 17 SAMPLING 02/06 to 02/17)						
3/25/98	593.53	588.16 5.37	537.18	535.50 1.68	NM	NM NA

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WELL NO.	E4U	E3U Hydraulic	E4M	E3M Hydraulic	E4L	E3L Hydraulic
CASING EL.	598.23	591.61 Gradient	597.98	593.70 Gradient	597.64	592.90 Gradient
4/8/98	588.73	587.45 1.28	535.83	533.26 2.57	NM	NM NA
5/5/98	588.89	586.82 2.07	536.55	534.23 2.32	NM	NM NA
ROUND 18 SAMPLING 05/13 to 05/20						
6/2/98	588.91	582.61 6.30	536.35	533.27 3.08	NM	NM NA

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WELL NO. CASING EL.	F1U 603.11	F2U Hydraulic 598.27 Gradient	F1M 602.38	F2M Hydraulic 597.32 Gradient	F1L 604.32	F2L Hydraulic 597.63 Gradient
01/19/93	595.21	579.02 16.19	564.98	549.62 15.36	558.27	554.54 3.73
02/10/93	593.74	578.54 15.20	562.41	545.64 16.77	558.01	556.46 1.55
ROUND 1 SAMPLING (3/26 to 4/07)						
03/10/93	595.00 (3)	578.17 (3) 16.86	561.47 (3)	546.10 (3) 15.27	558.33 (3)	549.35 (3) 8.98
04/21/93	595.46	578.47 16.99	557.48	544.62 12.86	558.60	495.30 63.30
05/14/93	594.39	577.95 16.44	565.38	545.37 20.01	558.97	517.81 41.16
ROUND 2 SAMPLING (6/07 to 6/17)						
06/16/93	594.46	577.87 16.59	561.00	541.18 19.82	557.73	481.53 76.20
08/27/93	590.72	580.32 10.40	558.66	538.75 19.91	558.72	529.67 29.05
09/13/93	590.85	572.74 18.11	558.72	542.41 16.31	559.13	533.30 25.83
ROUND 3 SAMPLING (9/13 to 9/25)						
03/29/94	594.76	579.78 14.98	563.69	551.96 11.73	559.82	552.93 6.89
05/10/94	593.41	577.44 15.97	551.60	533.91 17.69	559.95	553.13 6.82
ROUND 4 SAMPLING (5/18 to 5/27)						
06/07/94	593.56	578.21 15.35	560.74	544.67 16.07	557.24	544.78 12.46
07/06/94	593.45	577.55 15.90	552.90	530.24 22.66	555.72	546.07 9.65
08/02/94	593.22	576.90 16.32	552.38	530.39 21.99	556.26	541.71 14.55
ROUND 5 SAMPLING (8/16 to 9/07)						
09/06/94	593.18	575.85 17.33	551.08	529.77 21.31	564.57	556.62 7.95
10/04/94	593.06	577.14 15.92	554.39	533.63 20.76	565.68	556.67 9.01
11/01/94	591.01	575.64 15.37	554.58	533.32 21.26	565.34	556.80 8.54
ROUND 6 SAMPLING (11/08 to 11/14)						
12/01/94	593.28	576.79 16.49	555.23	533.25 21.98	NM	556.74 NC
01/03/95	593.73	568.77 24.96	557.17	534.02 23.15	574.10	557.23 16.87
02/16/95	593.98	577.27 16.71	557.49	533.02 24.47	579.31	557.30 22.01
03/01/95	594.06	577.89 16.17	557.36	533.06 24.30	575.40	557.38 18.02
04/06/95	593.66	577.67 15.99	562.60	547.93 14.67	570.94	557.94 13.00
06/20/95	591.55	576.68 14.87	555.82	535.33 20.49	568.85	558.17 10.68
07/11/95	592.40	576.71 15.69	555.37	534.89 20.48	567.93	558.15 9.78
08/01/95	591.46	576.36 15.10	561.89	533.96 27.93	567.33	558.06 9.27
ROUND 7 SAMPLING (08/28 to 08/29)						
09/05/95	590.91	576.06 14.85	554.64	534.05 20.59	566.65	557.91 8.74
10/02/95	589.77	575.33 14.44	555.17	533.69 21.48	566.29	558.17 8.12
11/01/95	592.91	577.05 15.86	557.86	534.21 23.65	566.45	558.07 8.38
ROUND 8 SAMPLING (11/16)						
12/05/95	594.56	578.58 15.98	559.34	536.17 23.17	588.07	558.54 29.53
01/02/96	593.53	578.05 15.48	560.88	535.59 25.29	NM	558.26 NA

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WELL NO. CASING EL.	F5UR 604.60	F4U Hydraulic 600.65	Gradient	F4M 600.41	F1M Hydraulic 602.38	Gradient	F4L 600.30	F3L Hydraulic 597.36	Gradient
01/22/96	NM	NM	NA	NM	566.58	NA	NM	NM	NA
02/06/96	NM	NM	NA	NM	567.09	NA	NM	NM	NA
ROUND 9 SAMPLING (02/16 to 02/28)									
03/05/96	NM	588.36	NA	534.63	568.29	-33.66	NM	NM	NA
04/02/96	NM	590.50	NA	536.38	564.83	-28.45	NM	NM	NA
05/01/96	589.80	591.55	-1.75	538.29	571.01	-32.72	NM	NM	NA
ROUND 10 SAMPLING (05/28 to 06/17)									
06/04/96	592.64	590.31	2.33	535.92	567.78	-31.86	NM	NM	NA
07/02/96	592.60	588.00	4.60	533.63	565.33	-31.70	NM	NM	NA
08/06/96	592.60	587.27	5.33	532.99	564.90	-31.91	NM	NM	NA
ROUND 11 SAMPLING (08/27 to 09/13)									
09/03/96	NM	586.29	NA	532.45	564.99	-32.54	NM	NM	NA
10/01/96	591.65	588.63	3.02	532.94	566.44	-33.50	NM	NM	NA
11/05/96	593.60	588.82	4.78	533.26	567.58	-34.32	NM	NM	NA
ROUND 12 SAMPLING (11/04 to 11/13)									
12/03/96	NM	590.19	NA	533.51	552.75	-19.24	NM	NM	NA
01/07/97	594.48	591.18	3.30	540.56	555.24	-14.68	NM	NM	NA
02/04/97	595.35	590.92	4.43	534.46	551.25	-16.79	NM	NM	NA
ROUND 13 SAMPLING (02/06 to 02/20)									
03/06/97	597.32	590.81	6.51	542.04	557.28	-15.24	NM	NM	NA
04/08/97	597.37	588.23	9.14	541.01	558.77	-17.76	NM	NM	NA
05/06/97	596.44	590.69	5.75	545.61	557.72	-12.11	NM	NM	NA
ROUND 14 SAMPLING (05/05 to 05/16)									
06/03/97	593.36	588.70	4.66	532.73	551.16	-18.43	NM	NM	NA
07/01/97	595.19	589.13	6.06	535.73	550.86	-15.13	NM	NM	NA
08/05/97	582.43	585.51	-3.08	532.46	546.68	-14.22	NM	NM	NA
ROUND 15 SAMPLING (08/04 to 08/21)									
09/03/97	581.13	586.08	-4.95	532.20	NM	NA	NM	NM	NA
10/07/97	585.74	589.38	-3.64	537.88	554.18	-16.30	NM	NM	NA
11/04/97	581.48	589.12	-7.64	532.16	551.86	-19.70	NM	NM	NA
ROUND 16 SAMPLING (11/10 to 11/13)									
12/02/97	584.42	588.51	-4.09	532.28	550.20	-17.92	NM	NM	NA
01/06/98	584.69	590.65	-5.96	538.56	555.95	-17.39	NM	NM	NA
02/03/98	588.20	590.75	-2.55	540.31	556.98	-16.67	NM	NM	NA
ROUND 17 SAMPLING (02/06 to 02/17)									
3/25/98	598.10	590.95	7.15	535.21	553.08	-17.87	NM	NM	NA

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WELL NO.	F5UR	F4U Hydraulic		F4M	F1M Hydraulic		F4L	F3L Hydraulic	
CASING EL.	604.60	600.65	Gradient	600.41	602.38	Gradient	600.30	597.36	Gradient
4/8/98	591.43	589.65	1.78	532.29	552.03	-19.74	NM	NM	NA
5/5/98	589.95	585.65	4.30	534.14	552.91	-18.77	NM	NM	NA
ROUND 18 SAMPLING (05/13 to 05/20)									
6/2/98	590.02	588.68	1.34	532.89	553.39	-20.50	NM	NM	NA

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WELL NO.	G1U	G2U Hydraulic	G1M	G2M Hydraulic	G1L	G2L Hydraulic			
CASING EL.	618.33	608.87 Gradient	617.78	609.87 Gradient	617.53	609.55 Gradient			
01/19/93	610.03	603.53	6.50	576.01	576.25	-0.24	563.72	559.93	3.79
02/10/93	609.08 (1)	602.81 (1)	6.27	571.98 (1)	572.00 (1)	-0.02	563.26 (1)	560.71 (1)	2.55
ROUND 1 SAMPLING (3/26 to 4/07)									
03/10/93	608.30	600.67	7.63	570.85	570.58	0.27	554.11	551.86	2.25
04/21/93	610.43	604.05	6.38	570.08	569.05	1.03	562.34	561.39	0.95
05/14/93	608.76	603.07	5.69	572.75	572.52	0.23	570.78	570.13	0.65
ROUND 2 SAMPLING (6/07 to 6/17)									
06/16/93	608.54	603.19	5.35	572.10	568.83	3.27	560.01	557.39	2.62
08/27/93	603.49	599.20	4.29	571.25	566.82	4.43	560.38	557.41	2.97
09/13/93	602.45	598.43	4.02	568.80	566.32	2.48	562.43	560.09	2.34
ROUND 3 SAMPLING (9/13 to 9/25)									
03/29/94	611.01	605.26	5.75	571.56	570.79	0.77	590.46	591.76	-1.30
05/10/94	608.46	603.54	4.92	569.33	567.35	1.98	588.79	590.01	-1.22
ROUND 4 SAMPLING (5/18 to 5/27)									
06/07/94	610.00	604.02	5.98	NM	570.13	NC	590.03	589.79	0.24
07/06/94	608.18	604.45	3.73	569.37	569.32	0.05	588.87	587.32	1.55
08/02/94	606.12	602.06	4.06	568.67	568.66	0.01	587.53	587.05	0.48
ROUND 5 SAMPLING (8/16 to 9/07)									
09/06/94	604.71	600.82	3.89	568.57	568.78	-0.21	586.99	585.80	1.19
10/04/94	605.29	601.46	3.83	568.87	569.02	-0.15	586.88	585.59	1.29
11/01/94	604.22	NM	NC	565.22	567.42	-2.20	586.61	584.80	1.81
ROUND 6 SAMPLING (11/08 to 11/14)									
12/01/94	605.31	NM	NC	568.94	568.96	-0.02	586.21	584.68	1.53
01/03/95	607.51	NM	NC	569.47	569.49	-0.02	588.43	586.69	1.74
02/16/95	608.03	603.22	4.81	569.20	569.12	0.08	590.48	588.55	1.93
03/01/95	607.95	603.21	4.74	569.08	569.09	-0.01	590.61	588.65	1.96
04/06/95	607.03	601.90	5.13	570.01	570.13	-0.12	591.21	589.11	2.10
06/20/95	602.94	598.89	4.05	569.24	569.34	-0.10	587.49	586.86	0.63
07/11/95	603.64	599.67	3.97	569.09	570.87	-1.78	587.52	586.98	0.54
08/01/95	602.40	598.64	3.76	569.23	569.23	0.00	586.49	586.00	0.49
ROUND 7 SAMPLING (08/28 to 08/29)									
09/05/95	602.14	598.35	3.79	568.62	568.51	0.11	586.81	586.53	0.28
10/02/95	600.10	596.21	3.89	598.35	568.24	30.11	585.87	585.30	0.57
11/01/95	604.30	600.30	4.00	569.26	569.28	-0.02	586.65	586.49	0.16
ROUND 8 SAMPLING (11/16)									
12/05/95	608.73	603.61	5.12	570.33	541.20	29.13	587.97	587.77	0.20
01/02/96	606.00	601.54	4.46	569.76	569.75	0.01	588.75	588.50	0.25

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WELL NO.	G3U	G4U Hydraulic	G3M	G1M Hydraulic	G3L	G1L Hydraulic
CASING EL.	619.23	620.31 Gradient	618.76	617.78 Gradient	620.67	617.53 Gradient
01/22/96	594.38	610.85 -16.47	543.17	571.50 -28.33	590.73	591.19 -0.46
02/06/96	590.13	603.94 -13.81	541.81	571.50 -29.69	590.62	591.12 -0.50
ROUND 9 SAMPLING (02/16 to 02/28)						
03/05/96	590.38	604.10 -13.72	541.56	571.07 -29.51	589.88	590.02 -0.14
04/02/96	596.03	604.77 -8.74	542.88	571.19 -28.31	589.87	590.13 -0.26
05/01/96	597.63	606.65 -9.02	543.91	572.66 -28.75	593.47	593.70 -0.23
ROUND 10 SAMPLING (05/28 to 06/17)						
06/04/96	595.80	605.44 -9.64	543.41	572.65 -29.24	591.86	592.20 -0.34
07/02/96	591.66	603.21 -11.55	540.02	570.90 -30.88	589.67	589.88 -0.21
08/06/96	588.52	600.55 -12.03	538.43	570.13 -31.70	587.99	588.19 -0.20
ROUND 11 SAMPLING (08/27 to 09/13)						
09/03/96	585.60	597.95 -12.35	537.67	569.31 -31.64	585.87	587.25 -1.38
10/01/96	591.41	602.03 -10.62	538.45	570.04 -31.59	587.83	587.85 -0.02
11/05/96	593.23	602.89 -9.66	540.38	570.50 -30.12	588.57	588.85 -0.28
ROUND 12 SAMPLING (11/04 to 11/13)						
12/03/96	NM	603.89 NA	538.96	569.53 -30.57	588.76	588.92 -0.16
01/07/97	595.13	605.22 -10.09	547.51	570.38 -22.87	589.97	590.55 -0.58
02/04/97	592.63	603.76 -11.13	539.06	570.01 -30.95	590.86	591.22 -0.36
ROUND 13 SAMPLING (02/06 to 02/20)						
03/06/97	596.83	606.06 -9.23	546.44	571.20 -24.76	592.06	592.39 -0.33
04/08/97	597.43	605.93 -8.50	546.44	573.48 -27.04	592.83	592.95 -0.12
05/06/97	594.67	603.07 -8.40	548.69	573.68 -24.99	590.11	590.29 -0.18
ROUND 14 SAMPLING (05/05 to 05/16)						
06/03/97	593.14	602.15 -9.01	536.83	572.62 -35.79	589.55	588.80 0.75
07/01/97	593.36	602.69 -9.33	540.43	573.37 -32.94	590.22	589.74 0.48
08/05/97	583.83	598.25 -14.42	535.22	576.78 -41.56	587.57	587.45 0.12
ROUND 15 SAMPLING (08/04 to 08/21)						
09/03/97	587.23	599.61 -12.38	534.28	577.06 -42.78	585.95	585.44 0.51
10/07/97	589.36	608.93 -19.57	537.86	575.47 -37.61	585.44	583.95 1.49
11/04/97	587.50	598.83 -11.33	535.76	574.62 -38.86	582.57	583.20 -0.63
ROUND 16 SAMPLING (11/10 to 11/13)						
12/02/97	590.85	602.06 -11.21	536.59	574.30 -37.71	585.54	584.89 0.65
01/06/98	592.51	604.30 -11.79	538.66	575.38 -36.72	586.77	586.32 0.45
02/03/98	597.63	604.81 -7.18	543.36	573.63 -30.27	592.07	587.23 4.84
ROUND 17 SAMPLING (02/06 to 02/17)						
3/25/98	598.23	606.31 -8.08	540.66	577.16 -36.50	586.92	586.22 0.70

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(3) Water levels performed on 3/11/93.

(4) Water levels high due to well flushing.

NAPL PLUME BEDROCK MONITORING PROGRAM
HYDE PARK LANDFILL

Water Levels - Reference No. 1069
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WELL NO.	G3U	G4U Hydraulic	G3M	G1M Hydraulic	G3L	G1L Hydraulic
CASING EL.	619.23	620.31 Gradient	618.76	617.78 Gradient	620.67	617.53 Gradient
4/8/98	596.08	605.56 -9.48	536.74	576.46 -39.72	587.34	586.79 0.55
5/5/98	594.81	603.43 -8.62	537.65	576.93 -39.28	585.67	585.15 0.52
ROUND 18 SAMPLING (05/13 to 05/20)						
6/2/98	594.25	601.60 -7.35	536.56	577.28 -40.72	584.75	583.50 1.25

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NAPL PLUME BEDROCK MONITORING PROGRAM
HYDE PARK LANDFILL

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WELL NO. CASING EL.	H1U 621.53	H2U Hydraulic 621.70 Gradient	H1M 621.74	H2M Hydraulic 621.77 Gradient	H1L 620.84	H2L Hydraulic 621.57 Gradient
01/19/93	613.06	612.29 0.77	547.29	560.70 -13.41	545.88	525.85 20.03
02/10/93	611.57 (1)	611.28 (1) 0.29	548.89 (1)	560.93 (1) -12.04	546.42 (1)	528.77 (1) 17.65
ROUND 1 SAMPLING (3/26 to 4/07)						
03/10/93	611.31	611.02 0.29	547.40	562.35 -14.95	539.64	529.34 10.30
04/21/93	612.91	612.14 0.77	549.74	563.10 -13.36	537.47	471.54 65.93
05/14/93	610.98	610.78 0.20	551.69	565.34 -13.65	547.62	473.87 73.75
ROUND 2 SAMPLING (6/07 to 6/17)						
06/16/93	610.68	610.70 -0.02	545.11	557.27 -12.16	529.34	470.57 58.77
08/27/93	611.48	605.74 5.74	551.36	562.12 -10.76	538.13	474.32 63.81
09/13/93	604.79	609.35 -4.56	552.84	563.15 -10.31	542.23	481.47 60.76
ROUND 3 SAMPLING (9/13 to 9/25)						
03/29/94	614.30	613.07 1.23	551.22	566.04 -14.82	561.22	<519.57 <41.65
05/10/94	610.82	610.70 0.12	553.27	567.84 -14.57	558.12	494.82 63.30
ROUND 4 SAMPLING (5/18 to 5/27)						
06/07/94	611.51	611.16 0.35	554.74	565.93 -11.19	561.11	475.75 85.36
07/06/94	610.21	610.29 -0.08	551.68	565.78 -14.10	560.13	479.61 80.52
08/02/94	608.10	608.19 -0.09	554.05	567.70 -13.65	560.13	483.76 76.37
ROUND 5 SAMPLING (8/16 to 9/07)						
09/06/94	606.62	606.64 -0.02	553.63	567.19 -13.56	559.38	474.91 84.47
10/04/94	607.10	607.55 -0.45	553.84	565.74 -11.90	558.43	479.44 78.99
11/01/94	605.83	606.02 -0.19	549.13	568.27 -19.14	560.06	483.47 76.59
ROUND 6 SAMPLING (11/08 to 11/14)						
12/01/94	608.15	608.04 0.11	549.01	563.50 -14.49	556.43	475.59 80.84
01/03/95	610.57	610.02 0.55	546.44	561.98 -15.54	556.46	480.82 75.64
02/16/95	611.05	610.38 0.67	548.44	562.37 -13.93	558.64	486.76 71.88
03/01/95	611.73	610.82 0.91	548.32	562.23 -13.91	557.84	489.55 68.29
04/06/95	610.59	610.44 0.15	553.64	565.19 -11.55	560.95	494.27 66.68
06/20/95	605.88	606.22 -0.34	550.16	561.93 -11.77	557.94	503.54 54.40
07/11/95	606.32	606.85 -0.53	549.20	561.10 -11.90	557.23	505.84 51.39
08/01/95	605.51	605.91 -0.40	553.01	562.19 -9.18	556.60	507.55 49.05
ROUND 7 SAMPLING (08/28 to 08/29)						
09/05/95	605.15	605.60 -0.45	553.84	558.86 -5.02	557.54	510.42 47.12
10/02/95	604.20	604.46 -0.26	557.97	563.52 -5.55	558.56	512.87 45.69
11/01/95	606.98	607.80 -0.82	548.85	560.02 -11.17	557.43	515.11 42.32
ROUND 8 SAMPLING (11/16)						
12/05/95	613.13	611.64 1.49	550.74	563.98 -13.24	553.84	517.03 36.81
01/02/96	608.60	609.57 -0.97	553.61	564.28 -10.67	556.61	518.59 38.02

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NAPL PLUME BEDROCK MONITORING PROGRAM
HYDE PARK LANDFILL

Water Levels - Reference No. 1069
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WELL NO. CASING EL.	H3U 615.05	H1U Hydraulic 621.53 Gradient	H1M 621.74	H2M Hydraulic 621.77 Gradient	H4L 613.82	H3L Hydraulic 614.95 Gradient
01/22/96	610.93	613.68 -2.75	552.82	562.83 -10.01	NM	560.23 NA
02/06/96	609.17	611.67 -2.50	555.81	562.59 -6.78	NM	560.54 NA
ROUND 9 SAMPLING (02/16 to 02/28)						
03/05/96	609.48	611.21 -1.73	551.13	561.98 -10.85	NM	558.90 NA
04/02/96	609.92	611.83 -1.91	552.57	564.18 -11.61	NM	558.57 NA
05/01/96	610.23	613.39 -3.16	555.84	566.61 -10.77	NM	563.05 NA
ROUND 10 SAMPLING (05/28 to 06/17)						
06/04/96	608.69	611.62 -2.93	556.07	565.01 -8.94	NM	559.12 NA
07/02/96	606.52	609.02 -2.50	546.51	559.43 -12.92	NM	555.40 NA
08/06/96	603.80	606.11 -2.31	554.51	563.67 -9.16	NM	556.87 NA
ROUND 11 SAMPLING (08/27 to 09/13)						
09/03/96	602.29	604.69 -2.40	552.31	561.39 -9.08	NM	555.64 NA
10/01/96	606.04	607.65 -1.61	550.92	562.66 -11.74	NM	553.71 NA
11/05/96	606.85	609.16 -2.31	545.07	561.67 -16.60	551.36	552.22 -0.86
ROUND 12 SAMPLING (11/04 to 11/13)						
12/03/96	608.58	611.57 -2.99	546.44	563.75 -17.31	551.67	552.51 -0.84
01/07/97	609.22	613.08 -3.86	543.70	563.47 -19.77	551.04	551.96 -0.92
02/04/97	607.83	611.13 -3.30	547.14	566.32 -19.18	552.38	553.48 -1.10
ROUND 13 SAMPLING (02/06 to 02/20)						
03/06/97	609.66	612.96 -3.30	546.39	567.82 -21.43	552.49	553.92 -1.43
04/08/97	609.02	612.36 -3.34	555.94	573.99 -18.05	557.32	559.12 -1.80
05/06/97	606.17	609.65 -3.48	545.04	567.85 -22.81	550.97	552.35 -1.38
ROUND 14 SAMPLING (05/05 to 05/16)						
06/03/97	604.71	608.17 -3.46	548.10	568.99 -20.89	550.90	552.14 -1.24
07/01/97	605.47	609.03 -3.56	543.33	565.40 -22.07	550.59	551.91 -1.32
08/05/97	601.65	605.49 -3.84	545.14	563.92 -18.78	549.32	551.33 -2.01
ROUND 15 SAMPLING (08/04 to 08/21)						
09/03/97	601.05	604.21 -3.16	546.97	562.29 -15.32	548.22	549.63 -1.41
10/07/97	601.79	605.49 -3.70	547.08	563.61 -16.53	548.34	549.65 -1.31
11/04/97	602.67	604.88 -2.21	544.56	562.81 -18.25	547.42	548.65 -1.23
ROUND 16 SAMPLING (11/10 to 11/13)						
12/02/97	609.35	612.21 -2.86	545.66	563.44 -17.78	547.51	548.81 -1.30
01/06/98	610.05	611.93 -1.88	545.34	562.56 -17.22	548.32	550.00 -1.68
02/03/98	608.20	613.03 -4.83	545.74	562.87 -17.13	548.92	550.45 -1.53
ROUND 17 SAMPLING (02/06 to 02/17)						
3/25/98	608.75	613.53 -4.78	544.84	561.87 -17.03	549.09	550.55 -1.46

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NAPL PLUME BEDROCK MONITORING PROGRAM
HYDE PARK LANDFILL

Water Levels - Reference No. 1069
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WELL NO.	H3U	H1U Hydraulic	H1M	H2M Hydraulic	H4L	H3L Hydraulic
CASING EL.	615.05	621.53 Gradient	621.74	621.77 Gradient	613.82	614.95 Gradient
4/8/98	607.25	612.33 -5.08	NM	565.04 NA	551.12	NM NA
5/5/98	608.98	610.33 -1.35	546.51	562.37 -15.86	549.17	549.95 -0.78
ROUND 18 SAMPLING (05/13 to 05/20)						
6/2/98	603.59	608.03 -4.44	546.86	562.51 -15.65	548.62	550.45 -1.83

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WELL NO. CASING EL.	J1U 608.86	J2U Hydraulic 610.18 Gradient	J1M 609.09	J2M Hydraulic 609.58 Gradient	J1L 609.78	J2L Hydraulic 610.53 Gradient
01/19/93	602.17	591.05 11.12	546.84	548.03 -1.19	548.61	550.21 -1.60
02/10/93	603.18	588.93 14.25	546.90	553.27 -6.37	549.46	550.18 -0.72
ROUND 1 SAMPLING (3/26 to 4/07)						
03/10/93	603.06 (2)	586.15 (2) 16.91	544.88 (2)	545.98 (2) -1.10	536.44 (2)	548.88 (2) -12.44
04/21/93	603.65	590.59 13.06	550.89	556.28 -5.39	537.93	506.10 31.83
05/14/93	603.06	588.00 15.06	551.85	558.82 -6.97	545.96	514.71 31.25
ROUND 2 SAMPLING (6/07 to 6/17)						
06/16/93	602.86	585.28 17.58	546.49	545.98 0.51	534.04	487.97 46.07
08/27/93	597.96	579.18 18.78	547.89	558.18 -10.29	537.95	517.24 20.71
09/13/93	594.96	587.86 7.10	550.79	561.02 -10.23	542.72	521.83 20.89
ROUND 3 SAMPLING (9/13 to 9/25)						
03/29/94	603.31	591.85 11.46	550.64	552.67 -2.03	553.06	545.32 7.74
05/10/94	601.79	587.48 14.31	551.61	553.17 -1.56	553.71	548.41 5.30
ROUND 4 SAMPLING (5/18 to 5/27)						
06/07/94	602.35	587.98 14.37	552.70	552.88 -0.18	554.19	506.23 47.96
07/06/94	601.61	585.01 16.60	552.03	552.03 0.00	551.79	510.22 41.57
08/02/94	600.62	583.51 17.11	553.97	553.92 0.05	552.74	526.93 25.81
ROUND 5 SAMPLING (8/16 to 9/07)						
09/06/94	599.56	578.88 20.68	NM	557.18 NC	551.67	501.63 50.04
10/04/94	601.62	584.10 17.52	553.70	553.70 0.00	552.29	519.72 32.57
11/01/94	600.36	580.28 20.08	548.51	556.62 -8.11	552.62	531.91 20.71
ROUND 6 SAMPLING (11/08 to 11/14)						
12/01/94	603.77	584.36 19.41	548.83	548.97 -0.14	549.60	502.54 47.06
01/03/95	603.67	587.37 16.30	545.86	546.80 -0.94	550.23	516.55 33.68
02/16/95	603.41	588.38 15.03	548.84	549.78 -0.94	552.23	534.93 17.30
03/01/95	603.82	589.70 14.12	547.99	549.60 -1.61	551.70	538.27 13.43
04/06/95	603.49	589.45 14.04	554.27	555.21 -0.94	553.80	543.73 10.07
06/20/95	601.76	583.82 17.94	551.38	552.05 -0.67	553.10	547.95 5.15
07/11/95	602.58	584.23 18.35	549.30	551.01 -1.71	553.03	548.95 4.08
08/01/95	601.65	582.38 19.27	553.46	553.59 -0.13	552.34	548.69 3.65
ROUND 7 SAMPLING (08/28 to 08/29)						
09/05/95	601.49	581.30 20.19	554.89	554.99 -0.10	553.41	548.83 4.58
10/02/95	599.06	579.46 19.60	556.21	556.20 0.01	554.05	549.30 4.75
11/01/95	603.75	586.41 17.34	548.69	548.78 -0.09	552.68	549.51 3.17
ROUND 8 SAMPLING (11/16)						
12/05/95	604.06	592.70 11.36	549.41	550.46 -1.05	550.86	549.01 1.85
01/02/96	603.25	589.48 13.77	553.70	553.77 -0.07	552.48	548.77 3.71

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(4) Water levels high due to well flushing.

NAPL PLUME BEDROCK MONITORING PROGRAM
HYDE PARK LANDFILL

Water Levels - Reference No. 1069
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WELL NO.	J3U	J1U Hydraulic	J1M	J2M Hydraulic	J4L	J3L Hydraulic
CASING EL.	603.10	608.86 Gradient	609.09	609.58 Gradient	600.69	602.71 Gradient
01/22/96	590.78	604.00 -13.22	552.57	552.80 -0.23	NM	559.91 NA
02/06/96	589.96	603.47 -13.51	553.83	553.92 -0.09	559.79	NM NA
ROUND 9 SAMPLING (02/16 to 02/28)						
03/05/96	590.39	599.05 -8.66	550.82	551.05 -0.23	558.41	NM NA
04/02/96	591.40	600.52 -9.12	553.57	553.60 -0.03	558.19	NM NA
05/01/96	590.79	601.36 -10.57	555.89	555.93 -0.04	563.11	NM NA
ROUND 10 SAMPLING (05/28 to 06/17)						
06/04/96	589.71	601.00 -11.29	554.45	554.58 -0.13	559.23	556.03 3.20
07/02/96	588.50	599.03 -10.53	547.47	547.31 0.16	555.86	553.03 2.83
08/06/96	588.50	599.54 -11.04	553.75	553.78 -0.03	556.01	552.79 3.22
ROUND 11 SAMPLING (08/27 to 09/13)						
09/03/96	584.64	589.14 -4.50	547.28	547.46 -0.18	555.78	552.80 2.98
10/01/96	588.94	597.37 -8.43	547.28	547.46 -0.18	554.10	551.14 2.96
11/05/96	589.75	598.51 -8.76	545.35	547.22 -1.87	552.61	549.73 2.88
ROUND 12 SAMPLING (11/04 to 11/13)						
12/03/96	590.73	598.17 -7.44	547.09	547.82 -0.73	552.41	549.38 3.03
01/07/97	591.30	599.95 -8.65	543.24	544.73 -1.49	551.95	549.45 2.50
02/04/97	590.28	600.18 -9.90	547.43	548.58 -1.15	554.01	550.93 3.08
ROUND 13 SAMPLING (02/06 to 02/20)						
03/06/97	591.40	599.57 -8.17	546.67	547.05 -0.38	553.98	551.25 2.73
04/08/97	591.70	601.24 -9.54	556.54	556.91 -0.37	557.42	554.00 3.42
05/06/97	588.28	600.12 -11.84	545.61	553.48 -7.87	552.01	550.03 1.98
ROUND 14 SAMPLING (05/05 to 05/16)						
06/03/97	586.69	596.68 -9.99	548.48	548.54 -0.06	552.32	549.49 2.83
07/01/97	588.27	597.49 -9.22	546.05	545.83 0.22	552.40	549.50 2.90
08/05/97	583.21	594.64 -11.43	546.70	551.63 -4.93	550.87	548.17 2.70
ROUND 15 SAMPLING (08/04 to 08/21)						
09/03/97	583.07	593.78 -10.71	542.33	542.48 -0.15	549.89	546.91 2.98
10/07/97	585.80	599.18 -13.38	545.77	547.98 -2.21	547.85	546.91 0.94
11/04/97	585.92	599.76 -13.84	543.19	543.92 -0.73	547.05	546.19 0.86
ROUND 16 SAMPLING (11/10 to 11/13)						
12/02/97	590.01	604.16 -14.15	544.35	545.66 -1.31	546.23	544.56 1.67
01/06/98	589.76	603.16 -13.40	544.09	553.76 -9.67	549.26	545.76 3.50
02/03/98	590.10	602.86 -12.76	544.79	556.28 -11.49	549.89	549.21 0.68
ROUND 17 SAMPLING (02/06 to 02/17)						
3/25/98	590.60	605.96 -15.36	544.99	544.68 0.31	550.54	548.01 2.53

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(4) Water levels high due to well flushing.

NAPL PLUME BEDROCK MONITORING PROGRAM
HYDE PARK LANDFILL

Water Levels - Reference No. 1069

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WELL NO.	J3U	J1U Hydraulic	J1M	J2M Hydraulic	J4L	J3L Hydraulic
CASING EL.	603.10	608.86 Gradient	609.09	609.58 Gradient	600.69	602.71 Gradient
4/8/98	590.18	605.82 -15.64	548.44	556.33 -7.89	552.14	549.54 2.60
5/5/98	588.69	605.64 -16.95	544.14	544.55 -0.41	559.59	547.38 12.21
ROUND 18 SAMPLING 05/13 to 05/20						
6/2/98	585.46	595.35 -9.89	543.16	543.58 -0.42	549.98	547.41 2.57

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(1) Water levels performed on 2/11/93.

(2) Water levels performed on 3/09/93.

(3) Water levels performed on 3/11/93.

(4) Water levels high due to well flushing.

APPENDIX B

CHEMICAL MONITORING DATA NAPL PLUME CONTAINMENT SYSTEM

Appendix B

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Date Printed: August 10, 1998

Time Printed: 4:01 pm

NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: B1L

<u>Sample Date</u>			<u>02/27/96</u>	<u>06/14/96</u>	<u>08/27/96</u>	<u>11/08/96</u>	<u>02/19/97</u>	<u>05/15/97</u>	<u>08/06/97</u>	<u>11/12/97</u>	<u>02/17/98</u>	<u>05/18/98</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>										
pH	std.	--	6.61	6.84	6.08	6.32	6.70	6.71	6.52	6.64	6.68	6.56
Conductivity	umhos/cm	--	20000	18000	10000	> 13000	1800	70000	18000	16000	24000	18000
Phenol	mg/l	0.25	0.45	ND	ND	13	ND	ND	ND	ND	ND	0.26 J
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND 0.20	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	1.1	0.52 J	ND	0.84	0.37	0.30	0.23	0.26	0.30	0.20
meta-Chlorobenzoic Acid	mg/l	0.03	0.21	0.084 J	ND	0.11	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	0.17	ND	ND	0.14	ND	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	1.5	0.60 J	ND	1.1	0.37	0.30	0.23	0.26	0.30	0.20
Chlorendic Acid	mg/l	0.25	4.9	0.83 J	ND	1.2	0.46	0.94	0.73 J	0.98	0.57 J	0.73
Total Organic Halides	mg/l	0.5	6.6	2.8 J	2.2	2.9	5.7	2.6	1.7	2.1 J	0.95	1.9

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**NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: B1M**

<u>Sample Date</u>			<u>02/22/96</u>	<u>06/04/96</u>	<u>08/27/96</u>	<u>11/04/96</u>	<u>02/06/97</u>	<u>05/05/97</u>	<u>08/06/97</u>	<u>11/10/97</u>	<u>11/10/97</u> Dupl.	<u>02/09/98</u>	<u>05/14/98</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>											
pH	std.	--	6.25	6.64	6.49	6.85	6.65	6.82	6.56	6.72	NA	6.76	7.05
Conductivity	umhos/cm	--	4200	3800	4300	4300	3800	4700	4500	4400	NA	5700	3600
Phenol	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND 1.0	ND 2.0	ND	ND	ND 0.20
ortho-Chlorobenzoic Acid	mg/l	0.03	5.3	2.8 J	1.9	2.6	1.2	0.85	3.3	2.0 J	0.095 J	0.89	0.74
meta-Chlorobenzoic Acid	mg/l	0.03	1.1	0.64 J	0.54	0.71	0.35	0.20	0.94	ND 0.60	ND	0.14	0.16
para-Chlorobenzoic Acid	mg/l	0.03	0.23	0.066 J	0.35	ND	ND	ND	0.67	ND 0.60	ND	ND	ND 0.060
Total Chlorobenzoic Acid	mg/l	0.10	6.6	3.5 J	2.8	3.3	1.6	1.0	4.9	2.0	ND	1.0	0.90
Chlorendic Acid	mg/l	0.25	6.5	2.6 J	2.6	3.2	1.4	1.9	4.0 J	ND 5.0	0.53	0.91	1.1
Total Organic Halides	mg/l	0.5	2.8	4.8 J	7.8	5.3	8.6	2.2	13 J	9.3	7.6	3.5	2.5

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: B1M

<u>Sample Date</u>			<u>05/14/98</u>
			Dupl.
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>	
pH	std.	--	NA
Conductivity	umhos/cm	--	NA
Phenol	mg/l	0.25	ND
Benzoic Acid	mg/l	0.10	ND 0.20
ortho-Chlorobenzoic Acid	mg/l	0.03	0.76
meta-Chlorobenzoic Acid	mg/l	0.03	0.16
para-Chlorobenzoic Acid	mg/l	0.03	ND 0.060
Total Chlorobenzoic Acid	mg/l	0.10	0.90
Chlorendic Acid	mg/l	0.25	1.1
Total Organic Halides	mg/l	0.5	2.7

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: B1U

<i>Sample Date</i>			<u>02/16/96</u>	<u>02/16/96</u>	<u>05/28/96</u>	<u>08/27/96</u>	<u>11/04/96</u>	<u>02/11/97</u>	<u>05/05/97</u>	<u>08/04/97</u>	<u>11/10/97</u>	<u>02/06/98</u>	<u>05/14/98</u>
			Dupl.										
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>											
pH	std.	--	6.78	NA	6.82	7.01	6.87	6.84	6.77	6.76	6.80	6.86	6.98
Conductivity	umhos/cm	--	3700	NA	3900	2200	4000	3600	4500	3600	3300	4100	3200
Phenol	mg/l	0.25	ND	ND	0.57	ND	0.63	0.26	0.52	ND	ND	1.1	ND
Benzoic Acid	mg/l	0.10	0.11	0.10	ND	ND	0.13	ND	ND	NA	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	1.4	1.4	1.2	0.61	0.97	0.28	0.36	NA	ND	0.22	0.24
meta-Chlorobenzoic Acid	mg/l	0.03	0.67	0.50	0.29	0.082	0.10	0.033 J	0.052	NA	ND	0.035	ND
para-Chlorobenzoic Acid	mg/l	0.03	1.2	1.1	0.61	0.29	0.30	0.14 J	0.13	NA	ND	0.041	ND
Total Chlorobenzoic Acid	mg/l	0.10	3.7	3.0	2.1	0.98	1.4	0.45 J	0.54	NA	ND	0.30	0.24
Chlorendic Acid	mg/l	0.25	33	38	22	4.5	3.6	6.3	3.5	NA	2.2	1.3	2.6
Total Organic Halides	mg/l	0.5	34	30	54	41	44	56	1.7	39	30	51	42 J

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: B2L

<u>Sample Date</u>			<u>03/30/93</u>	<u>06/10/93</u>	<u>09/20/93</u>	<u>05/27/94</u>	<u>08/17/94</u>	<u>08/17/94</u> Dupl.	<u>11/10/94</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>							
pH	std.	--	6.34	6.41	6.65	5.8	NA	NA	6.31
Conductivity	umhos/cm	--	33000	8600	27000	30000	NA	NA	10000
Phenol	mg/l	0.25	0.38	0.93	1.1	0.25	ND	ND	ND
Benzoic Acid	mg/l	0.10	0.98	0.58	0.48	ND	ND	NA	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	1.1	1.1	1.5	1.5	1.7	NA	1.2
meta-Chlorobenzoic Acid	mg/l	0.03	0.05	0.18	0.46	0.52	0.45	NA	0.30
para-Chlorobenzoic Acid	mg/l	0.03	0.19	0.26	0.60	0.68	0.43	NA	0.21
Total Chlorobenzoic Acid	mg/l	0.10	1.3	1.5	2.6	2.7	2.6	NA	1.7
Chlorendic Acid	mg/l	0.25	0.25	1.7	3.0	4.1	4.3	NA	2.4
Total Organic Halides	mg/l	0.5	2.1	R	3.6	3.9	3.7	NA	2.2

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: B2M

<u>Sample Date</u>			<u>03/31/93</u>	<u>03/31/93</u>	<u>06/10/93</u>	<u>09/20/93</u>	<u>09/20/93</u>	<u>05/27/94</u>	<u>08/17/94</u>	<u>11/10/94</u>
				Dupl.			Dupl.			
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>								
pH	std.	--	6.95	NA	6.45	6.90	NA	6.5	NA	6.63
Conductivity	umhos/cm	--	7700	NA	5100	4100	NA	4600	NA	5100
Phenol	mg/l	0.25	12	11	31	25 J	18 J	2.8	4.4	ND
Benzoic Acid	mg/l	0.10	ND	ND	0.42	0.96	0.72	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	7.2 J	4.1 J	8.4	7.0 J	9.6 J	1.8	2.0	1.9
meta-Chlorobenzoic Acid	mg/l	0.03	2.7 J	1.1 J	2.8	3.3	2.5	0.76	1.0	0.61
para-Chlorobenzoic Acid	mg/l	0.03	3.5 J	1.7 J	4.2	4.5 J	3.2 J	0.78	1.3	0.59
Total Chlorobenzoic Acid	mg/l	0.10	13 J	6.9 J	15	15 J	15 J	3.3	4.3	3.1
Chlorendic Acid	mg/l	0.25	13 J	2.6 J	10	18	14	5.5	7.3	4.0
Total Organic Halides	mg/l	0.5	14 J	15 J	R	44 J	19 J	6.8	7.3	5.1

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NAPL Performance Wells Hyde Park Landfill Cumulative Data for Well: B2U

<u>Sample Date</u>			<u>03/31/93</u>	<u>06/10/93</u>	<u>09/20/93</u>	<u>05/27/94</u>	<u>09/07/94</u>	<u>11/11/94</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>						
pH	std.	--	6.67	7.27	7.21	6.6	7.67	7.93
Conductivity	umhos/cm	--	2000	2300	1800	2200	1700	840
Phenol	mg/l	0.25	ND	ND	ND	ND	ND	R
Benzoic Acid	mg/l	0.10	ND	ND	0.10	ND	ND	R
ortho-Chlorobenzoic Acid	mg/l	0.03	2.2	1.9	2.1	0.94	0.44	0.13 J
meta-Chlorobenzoic Acid	mg/l	0.03	0.53	0.34	0.17	ND	ND	R
para-Chlorobenzoic Acid	mg/l	0.03	0.73	0.43	0.26	0.03	ND	R
Total Chlorobenzoic Acid	mg/l	0.10	3.5	2.7	2.5	0.97	0.44	0.13 J
Chlorendic Acid	mg/l	0.25	3.6	4.8	11	8.6	5.2	2.5 J
Total Organic Halides	mg/l	0.5	16 J	R	10 D	8.5	4.0	2.6 J

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: C1L

<u>Sample Date</u>			<u>02/22/96</u>	<u>05/30/96</u>	<u>08/29/96</u>	<u>11/05/96</u>	<u>02/06/97</u>	<u>05/14/97</u>	<u>08/04/97</u>	<u>11/10/97</u>	<u>02/06/98</u>	<u>05/13/98</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>										
pH	std.	--	6.79	6.75	6.55	6.83	6.81	6.20	6.85	6.83	6.87	7.03
Conductivity	umhos/cm	--	3700	3600	2000	3600	3400	3500	3600	3100	3500	3400
Phenol	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	0.21	0.19	ND	0.14	0.052	0.034	ND	ND	ND	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	0.21	0.19	ND	0.14	ND	ND	ND	ND	ND	ND
Chlorendic Acid	mg/l	0.25	0.38	0.73	ND	0.86	0.65	0.43	0.36 J	0.46	0.33	0.49
Total Organic Halides	mg/l	0.5	1.3	1.6	1.5 J	1.7	7.0	1.1	1.1	0.95	1.5	1.2

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: C1M

<u>Sample Date</u>			<u>02/21/96</u>	<u>05/30/96</u>	<u>08/29/96</u>	<u>11/04/96</u>	<u>02/06/97</u>	<u>05/14/97</u>	<u>08/04/97</u>	<u>11/10/97</u>	<u>02/06/98</u>	<u>05/13/98</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>										
pH	std.	--	6.93	6.92	6.81	6.73	6.76	6.95	6.77	6.83	6.91	7.00
Conductivity	umhos/cm	--	2800	2700	1200	2700	2500	2600	2600	2400	2600	2500
Phenol	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	0.07	0.14	ND	0.063	ND	ND	ND	ND	ND	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	ND	0.14	ND	ND	ND	ND	ND	ND	ND	ND
Chlorendic Acid	mg/l	0.25	0.32	0.85	ND	0.69	0.58	0.52	0.32 J	0.71	0.44	0.50
Total Organic Halides	mg/l	0.5	0.73	1.4	1.2 J	4.2	3.2	1.0	1.1	0.80	1.2	1.0 J

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: C1U

<u>Sample Date</u>			<u>02/21/96</u>	<u>05/30/96</u>	<u>08/29/96</u>	<u>11/04/96</u>	<u>02/06/97</u>	<u>05/14/97</u>	<u>08/04/97</u>	<u>11/10/97</u>	<u>02/06/98</u>	<u>05/13/98</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>										
pH	std.	--	6.88	6.94	5.03	7.06	6.80	6.95	6.85	7.00	7.08	7.19
Conductivity	umhos/cm	--	1400	1400	960	1700	1400	1400	1400	1300	1400	1200
Phenol	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	0.55	0.24	ND	0.52	0.23	0.11	0.093	0.076	0.095	0.051
meta-Chlorobenzoic Acid	mg/l	0.03	0.23	0.11	ND	0.25	0.091	0.035	0.048	ND	0.043	ND
para-Chlorobenzoic Acid	mg/l	0.03	0.23	0.062	ND	0.12	ND	ND	ND	ND	ND 0.040	ND
Total Chlorobenzoic Acid	mg/l	0.10	1.0	0.41	ND	0.89	0.32	0.14	0.14	ND	0.14	ND
Chlorendic Acid	mg/l	0.25	6.2	2.1	4.1 J	3.3 J	1.6	2.1	1.7 J	1.8	0.64	0.80
Total Organic Halides	mg/l	0.5	3.9	3.2	7.0 J	6.1	7.1	2.8	2.4	2.6	2.1	1.6

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: C2L

<u>Sample Date</u>			<u>04/05/93</u>	<u>06/10/93</u>	<u>06/10/93</u> Dupl.	<u>09/22/93</u>	<u>05/23/94</u>	<u>05/23/94</u> Dupl.	<u>08/18/94</u>	<u>11/09/94</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>								
pH	std.	--	6.49	6.85	NA	6.70	7.0	NA	NA	6.84
Conductivity	umhos/cm	--	4000	3800	NA	2500	4300	NA	4700	3400
Phenol	mg/l	0.25	NA	ND	ND	0.84	0.33	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	0.17	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	0.57	0.15	0.14	2.1	0.96	0.96	3.3	0.56
meta-Chlorobenzoic Acid	mg/l	0.03	0.19	0.05	0.05	1.1	0.27	0.30	0.90	ND
para-Chlorobenzoic Acid	mg/l	0.03	0.32	0.05	0.06	2.0	0.38	0.37	1.1	ND
Total Chlorobenzoic Acid	mg/l	0.10	1.1	0.25	0.25	5.2	1.6	1.6	5.3	0.56
Chlorendic Acid	mg/l	0.25	1.5	0.44	0.33	5.7	3.1	3.2	5.6	1.9
Total Organic Halides	mg/l	0.5	2.4 J	R	R	3.8	2.8	3.6	6.3	2.6

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: C2M

<u>Sample Date</u>			<u>04/05/93</u>	<u>04/05/93</u>	<u>06/10/93</u>	<u>09/22/93</u>	<u>05/23/94</u>	<u>08/18/94</u>	<u>11/09/94</u>
				Dupl.					
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>							
pH	std.	--	6.79	NA	7.07	6.71	6.7	NA	6.71
Conductivity	umhos/cm	--	2500	NA	2600	1700	3400	3200	5800
Phenol	mg/l	0.25	ND	NA	ND	ND	ND	ND	0.25
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	0.45 J	0.44 J	0.20	0.36	0.28	0.26	0.23
meta-Chlorobenzoic Acid	mg/l	0.03	ND	0.15 J	ND	ND 0.05	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	0.24 J	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	0.45 J	0.83	0.20	0.36	0.28	0.26	0.23
Chlorendic Acid	mg/l	0.25	1.7 J	1.2 J	0.47	1.7	1.6	0.89	1.3
Total Organic Halides	mg/l	0.5	1.9 J	2.2 J	R	2.3	1.3	1.5	1.4

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NAPL Performance Wells Hyde Park Landfill Cumulative Data for Well: C2U

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<u>Sample Date</u>			<u>04/08/93</u>	<u>06/15/93</u>	<u>09/25/93</u>	<u>05/26/94</u>	<u>08/23/94</u>	<u>11/15/94</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>						
pH	std.	--	7.32	9.15	8.86	NA	NA	7.86
Conductivity	umhos/cm	--	4900	2700	1500	NA	1600	1000
Phenol	mg/l	0.25	ND	ND	ND	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND
Chlorendic Acid	mg/l	0.25	ND	ND	ND	ND	ND	ND
Total Organic Halides	mg/l	0.5	ND	R	ND	ND	ND	ND

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: D1L

<u>Sample Date</u>			<u>02/16/96</u>	<u>06/04/96</u>	<u>09/11/96</u>	<u>11/06/96</u>	<u>11/06/96</u> Dupl.	<u>02/18/97</u>	<u>02/18/97</u> Dupl.	<u>05/07/97</u>	<u>08/08/97</u>	<u>11/13/97</u>	<u>02/09/98</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>											
pH	std.	--	6.05	5.96	6.15	6.07	NA	5.96	NA	4.36	6.01	5.79	5.97
Conductivity	umhos/cm	--	120000	110000	20000	> 120000	NA	110000	NA	120000	ND 20000	110000	170000
Phenol	mg/l	0.25	1.6	ND	ND	2.7 J	ND	1.6 J	2.2 J	3.3	1.4	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorendic Acid	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Organic Halides	mg/l	0.5	2.1	1.2 J	ND	4.2 J	2.9 J	5.2	6.4	0.87	1.0 J	2.8 J	2.2 J

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: D1L

<i>Sample Date</i>			<u>02/09/98</u>	<u>05/14/98</u>
			Dupl.	
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>		
pH	std.	--	5.97	6.13
Conductivity	umhos/cm	--	170000	120000
Phenol	mg/l	0.25	1.7	0.33 J
Benzoic Acid	mg/l	0.10	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	ND	ND
Chlorendic Acid	mg/l	0.25	ND	ND
Total Organic Halides	mg/l	0.5	0.5 J	1.8 J

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NAPL Performance Wells Hyde Park Landfill Cumulative Data for Well: D2L

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<u>Sample Date</u>			<u>04/13/93</u>	<u>06/16/93</u>	<u>09/24/93</u>	<u>05/27/94</u>	<u>08/23/94</u>	<u>11/15/94</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>						
pH	std.	--	6.31	5.83	7.12	6.0	NA	6.84
Conductivity	umhos/cm	--	110000	110000	140000	150000	150000	10000
Phenol	mg/l	0.25	1.3	ND	1.3	2.7	2.2	4.0
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND
Chlorendic Acid	mg/l	0.25	ND	ND	ND	NA	ND	ND
Total Organic Halides	mg/l	0.5	3.2	R	ND	2.6	1.4	5.6

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: D2M

<i>Sample Date</i>			<u>04/07/93</u>	<u>04/07/93</u>	<u>06/11/93</u>	<u>06/11/93</u>	<u>09/22/93</u>	<u>05/23/94</u>	<u>08/16/94</u>	<u>11/09/94</u>	<u>08/28/95</u>	<u>11/17/95</u>	<u>02/28/96</u>
				Dupl.		Dupl.							
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>											
pH	std.	--	6.88	NA	7.00	NA	6.65	6.5	6.2	6.76	7.19	6.73	5.93
Conductivity	umhos/cm	--	5200	NA	8900	NA	4300	5500	NA	4400	4300	4400	4800
Phenol	mg/l	0.25	ND	ND	ND	0.48	0.29	ND	ND	ND	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	ND	0.19	0.17	0.88	0.37	0.20	0.19	0.21	0.22	0.16
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	0.58	0.10	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	1.6	1.1	0.03	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	ND	ND	0.19	1.8	2.6	0.50	0.20	0.19	0.21	0.2	0.16
Chlorendic Acid	mg/l	0.25	ND	ND	0.91	0.81	2.4	1.2	1.0	0.85	ND	1.6	0.63
Total Organic Halides	mg/l	0.5	1.2 J	ND	R	R	2.5	1.0	1.2	0.76	1.7	NA	0.75

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: D2M

<u>Sample Date</u>			<u>02/28/96</u>	<u>06/04/96</u>	<u>09/11/96</u>	<u>11/06/96</u>	<u>02/18/97</u>	<u>05/07/97</u>	<u>08/08/97</u>	<u>11/13/97</u>	<u>02/09/98</u>	<u>05/14/98</u>
			Dupl.									
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>										
pH	std.	--	NA	6.69	5.89	6.75	6.84	6.59	6.65	6.70	6.74	6.97
Conductivity	umhos/cm	--	NA	4300	4000	4500	4200	4700	3300	4200	5900	4300
Phenol	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	0.21	0.21 J	0.15	0.15	0.10	0.066	0.039	ND	0.034	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	0.21	0.21 J	0.15	0.15	0.10	ND	ND	ND	ND	ND
Chlorendic Acid	mg/l	0.25	ND	0.42 J	0.54	0.61	ND	0.48	ND	ND	0.28	ND
Total Organic Halides	mg/l	0.5	0.79	1.1 J	1.0	3.4	5.9	0.66	0.62 J	0.54 J	ND	0.57 J

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: D2U

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<u>Sample Date</u>			<u>04/07/93</u>	<u>06/11/93</u>	<u>09/22/93</u>	<u>05/23/94</u>	<u>08/16/94</u>	<u>08/16/94</u> Dupl.	<u>11/09/94</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>							
pH	std.	--	6.87	7.54	7.17	7.0	6.8	NA	7.82
Conductivity	umhos/cm	--	890	1000	740	1400	NA	NA	1200
Phenol	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND
Chlorendic Acid	mg/l	0.25	ND	ND	2.4	0.26	0.55	0.52	ND
Total Organic Halides	mg/l	0.5	ND	R	ND	ND	ND	NA	ND

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: D3U

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<u>Sample Date</u>			<u>02/23/96</u>	<u>06/07/96</u>	<u>09/12/96</u>	<u>11/06/96</u>	<u>02/19/97</u>	<u>05/07/97</u>	<u>08/13/97</u>	<u>11/13/97</u>	<u>11/13/97</u> Dupl.	<u>02/11/98</u>	<u>05/14/98</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>											
pH	std.	--	6.96	7.27	8.12	7.49	6.80	9.06	6.46	7.03	NA	7.32	7.25
Conductivity	umhos/cm	--	3400	1000	970	1000	1200	1300	1100	1600	NA	1800	620
Phenol	mg/l	0.25	3.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
meta-Chlorobenzoic Acid	mg/l	0.03	0.47	0.039 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorendic Acid	mg/l	0.25	8.9	ND	ND	ND	ND	ND	0.71	0.83	0.98	ND	ND
Total Organic Halides	mg/l	0.5	6.2	1.4 J	ND	1.2	3.5	ND	1.1	1.1 J	1.7 J	0.91	ND

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: E2L

<u>Sample Date</u>			<u>04/06/93</u>	<u>06/09/93</u>	<u>09/23/93</u>	<u>09/23/93</u> Dupl.	<u>05/27/94</u>	<u>08/17/94</u>	<u>11/08/94</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>							
pH	std.	--	5.81	6.02	6.11	NA	5.8	6.4	6.13
Conductivity	umhos/cm	--	89000	12000	93000	NA	13000	NA	10000
Phenol	mg/l	0.25	1.7	ND	1.0	0.85	1.6	2.1	0.66
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND
Chlorendic Acid	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND
Total Organic Halides	mg/l	0.5	ND	R	ND	ND	0.98	1.2	0.56

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NAPL Performance Wells Hyde Park Landfill Cumulative Data for Well: E2M

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<u>Sample Date</u>			<u>04/07/93</u>	<u>06/09/93</u>	<u>09/15/93</u>	<u>05/25/94</u>	<u>08/17/94</u>	<u>11/08/94</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>						
pH	std.	--	6.40	6.97	7.10	6.7	8.3	7.40
Conductivity	umhos/cm	--	2700	1700	2400	2200	NA	2900
Phenol	mg/l	0.25	2.1	3.3	6.9	8.2	4.6	ND
Benzoic Acid	mg/l	0.10	1.2	1.8	7.8	4.6	1.5	0.37
ortho-Chlorobenzoic Acid	mg/l	0.03	0.92	1.1	5.6	2.3	1.6	0.80
meta-Chlorobenzoic Acid	mg/l	0.03	0.17	0.90	1.4	1.5	1.0	0.46
para-Chlorobenzoic Acid	mg/l	0.03	0.42	1.6	3.1	2.3	1.7	0.77
Total Chlorobenzoic Acid	mg/l	0.10	1.5	3.6	10	6.1	4.3	2.0
Chlorendic Acid	mg/l	0.25	ND	4.3	5.1	10	9.1	3.7
Total Organic Halides	mg/l	0.5	3.8 J	R	7.0	11	30	6.3

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NAPL Performance Wells Hyde Park Landfill Cumulative Data for Well: E2U

<u>Sample Date</u>			<u>04/06/93</u>	<u>06/09/93</u>	<u>09/23/93</u>	<u>05/25/94</u>	<u>05/25/94</u> Dupl.	<u>08/17/94</u>	<u>11/08/94</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>							
pH	std.	--	5.97	7.23	7.14	6.9	NA	7.2	7.41
Conductivity	umhos/cm	--	1400	800	760	860	NA	NA	980
Phenol	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND
Chlorendic Acid	mg/l	0.25	ND	ND	ND	0.26	0.26	ND	ND
Total Organic Halides	mg/l	0.5	ND	R	ND	ND	ND	ND	ND

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: E3M

<u>Sample Date</u>			<u>02/22/96</u>	<u>05/29/96</u>	<u>05/29/96</u>	<u>09/13/96</u>	<u>11/06/96</u>	<u>02/20/97</u>	<u>05/14/97</u>	<u>05/14/97</u>	<u>08/11/97</u>	<u>08/11/97</u>	<u>11/11/97</u>
					Dupl.					Dupl.		Dupl.	
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>											
pH	std.	--	6.67	6.57	NA	6.38	6.84	6.70	6.88	NA	6.67	NA	6.82
Conductivity	umhos/cm	--	2500	2100	NA	3900	3000	2500	11000	NA	2600	NA	3500
Phenol	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	0.05	ND	ND	ND	ND	ND	ND	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorendic Acid	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Organic Halides	mg/l	0.5	ND	ND	ND	2.9	0.76	3.4	ND	ND	ND	0.52 J	0.92 J

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NAPL Performance Wells Hyde Park Landfill Cumulative Data for Well: E3M

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<u>Sample Date</u>			<u>02/09/98</u>	<u>05/14/98</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>		
pH	std.	--	6.86	7.15
Conductivity	umhos/cm	--	3200	2600
Phenol	mg/l	0.25	0.87	ND
Benzoic Acid	mg/l	0.10	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	ND	ND
Chlorendic Acid	mg/l	0.25	ND	ND
Total Organic Halides	mg/l	0.5	ND	ND

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: E3U

<u>Sample Date</u>			<u>02/23/96</u>	<u>05/29/96</u>	<u>09/17/96</u>	<u>11/11/96</u>	<u>02/13/97</u>	<u>05/15/97</u>	<u>08/21/97</u>	<u>11/25/97</u>	<u>02/17/98</u>	<u>05/19/98</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>										
pH	std.	--	6.89	6.63	6.74	6.32	6.89	7.03	6.62	7.21	6.96	6.90
Conductivity	umhos/cm	--	3700	2400	4500	2300	2600	9800	2700	3300	4100	2600
Phenol	mg/l	0.25	3.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	0.5	0.19 J	ND	0.10	0.24	0.039	ND	0.032	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	0.2	0.045 J	ND	ND	0.031	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	0.21	ND	ND	ND	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	ND	0.91	0.24 J	ND	0.10	0.27	ND	ND	ND	ND
Chlorendic Acid	mg/l	0.25	ND	1.4	0.91 J	0.27	0.49	0.97	0.43	0.25	ND	ND
Total Organic Halides	mg/l	0.5	5.8	2.2	1.2	3.7	2.2	1.3	0.65	0.61	ND	0.50

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: F1M

<u>Sample Date</u>			<u>02/28/96</u>	<u>06/07/96</u>	<u>09/06/96</u>	<u>11/06/96</u>	<u>02/17/97</u>	<u>05/16/97</u>	<u>08/07/97</u>	<u>08/07/97</u> Dupl.	<u>11/13/97</u>	<u>02/11/98</u>	<u>05/15/98</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>											
pH	std.	--	5.56	6.74	8.98	6.89	6.82	6.65	6.72	NA	6.71	6.68	6.57
Conductivity	umhos/cm	--	3100	2400	2300	3100	2900	8500	3300	NA	3000	4400	3900
Phenol	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	0.04	ND	ND	0.083	0.18	0.076	ND	ND	ND	ND	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	0.045	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	ND	ND	ND	ND	0.22	ND	ND	ND	ND	ND	ND
Chlorendic Acid	mg/l	0.25	ND	ND	ND	ND	0.46	ND	ND	ND	ND	ND	ND
Total Organic Halides	mg/l	0.5	ND	0.5 J	ND	0.62	1.7	ND	ND	ND	ND	ND	ND

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NAPL Performance Wells Hyde Park Landfill Cumulative Data for Well: F2L

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<u>Sample Date</u>			<u>04/09/93</u>	<u>06/11/93</u>	<u>09/21/93</u>	<u>05/26/94</u>	<u>08/24/94</u>	<u>11/15/94</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>						
pH	std.	--	NA	8.59	8.45	NA	NA	7.49
Conductivity	umhos/cm	--	NA	13000	140000	NA	20000	20000
Phenol	mg/l	0.25	1.6	1.6	0.75	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND
Chlorendic Acid	mg/l	0.25	ND	ND	ND	ND	ND	ND
Total Organic Halides	mg/l	0.5	0.75 J	R	ND	0.57	ND	ND

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NAPL Performance Wells Hyde Park Landfill Cumulative Data for Well: F2M

<u>Sample Date</u>			<u>04/06/93</u>	<u>06/08/93</u>	<u>09/16/93</u>	<u>05/23/94</u>	<u>08/30/94</u>	<u>11/09/94</u>	<u>11/09/94</u> Dupl.
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>							
pH	std.	--	6.24	6.68	6.90	6.1	10.53	6.90	NA
Conductivity	umhos/cm	--	30000	12000	25000	16000	13000	8400	NA
Phenol	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	ND	0.04	ND	ND	ND	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND
Chlorogenic Acid	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND
Total Organic Halides	mg/l	0.5	ND	R	ND	ND	ND	ND	0.56 J

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NAPL Performance Wells Hyde Park Landfill Cumulative Data for Well: F2U

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<u>Sample Date</u>			<u>04/06/93</u>	<u>06/07/93</u>	<u>09/16/93</u>	<u>05/23/94</u>	<u>09/07/94</u>	<u>09/07/94</u>	<u>11/09/94</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>						Dupl.	
pH	std.	--	NA	7.29	6.94	6.9	6.79	NA	6.92
Conductivity	umhos/cm	--	1600	2300	1900	1800	2200	NA	1900
Phenol	mg/l	0.25	ND	ND	ND	ND	ND	ND	0.25
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	0.27 J	ND	ND	0.15	ND	ND	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	0.27 J	ND	ND	0.15	ND	ND	ND
Chlorendic Acid	mg/l	0.25	ND	ND	0.29	ND 3.3	3.0	3.1	0.54
Total Organic Halides	mg/l	0.5	6.1 J	R	ND	2.0	1.0	1.7	ND

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: F4U

<u>Sample Date</u>			<u>02/26/96</u>	<u>06/05/96</u>	<u>09/13/96</u>	<u>09/13/96</u> Dupl.	<u>11/08/96</u>	<u>02/19/97</u>	<u>05/16/97</u>	<u>08/07/97</u>	<u>11/13/97</u>	<u>02/19/98</u>	<u>05/20/98</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>											
pH	std.	--	7.00	6.95	7.37	NA	7.02	6.97	7.04	7.00	7.08	7.2	6.99
Conductivity	umhos/cm	--	2600	1200	1900	NA	1200	2000	1500	1800	1800	1900	1300
Phenol	mg/l	0.25	14	13 J	4.6 J	13 J	ND	2.9	1.3	1.3	0.69	ND	ND
Benzoic Acid	mg/l	0.10	17	12 J	7.0	7.9	0.26	1.8	0.35 J	0.12	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	9.4	6.3 J	ND	ND	0.69	0.97	0.67 J	0.35	ND	0.31	0.059
meta-Chlorobenzoic Acid	mg/l	0.03	3.6	1.2 J	1.2 J	1.0 J	0.14	0.31	0.17 J	0.15	ND	0.11	ND
para-Chlorobenzoic Acid	mg/l	0.03	2.4	0.77 J	0.78 J	0.58	0.24	0.58	0.36 J	0.28	ND	0.24	ND
Total Chlorobenzoic Acid	mg/l	0.10	15	8.3 J	2.0 J	1.6 J	1.1	1.9	1.2 J	0.78	ND	0.66	ND
Chlorendic Acid	mg/l	0.25	48	4.4 J	1.7	1.6	0.64	2.0	1.5 J	1.0 J	0.72	0.61	ND
Total Organic Halides	mg/l	0.5	17	12 J	16	16	4.7	5.9	2.1	1.7	1.0 J	ND 2.3	ND

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**NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: G1L**

<i>Sample Date</i>			<u>02/26/96</u>	<u>06/05/96</u>	<u>06/05/96</u>	<u>09/05/96</u>	<u>11/07/96</u>	<u>02/10/97</u>	<u>05/08/97</u>	<u>08/07/97</u>	<u>11/11/97</u>	<u>02/11/98</u>	<u>05/15/98</u>
					Dupl.								
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>											
pH	std.	--	6.34	6.37	NA	7.09	6.51	6.52	6.13	6.46	6.42	6.29	5.90
Conductivity	umhos/cm	--	46000	17000	NA	40000	43000	44000	45000	ND 20000	53000	69000	50000
Phenol	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorendic Acid	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Organic Halides	mg/l	0.5	18	ND	ND	ND	3.1	16	0.52	1.9 J	1.1 J	2.4 J	0.73 J

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: G1M

<u>Sample Date</u>			<u>02/26/96</u>	<u>02/26/96</u>	<u>06/05/96</u>	<u>09/05/96</u>	<u>11/07/96</u>	<u>02/10/97</u>	<u>05/08/97</u>	<u>08/11/97</u>	<u>11/11/97</u>	<u>02/11/98</u>	<u>05/15/98</u>
				Dupl.									
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>											
pH	std.	--	6.86	NA	6.72	7.21	6.89	6.83	6.84	6.70	6.84	6.79	5.74
Conductivity	umhos/cm	--	2800	NA	1700	2100	3700	2800	3000	2400	3800	3800	2200
Phenol	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorendic Acid	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Organic Halides	mg/l	0.5	ND	ND	ND	ND	3.3	1.3	ND	ND	ND	ND	ND

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NAPL Performance Wells Hyde Park Landfill Cumulative Data for Well: G2L

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<u>Sample Date</u>			<u>04/01/93</u>	<u>06/08/93</u>	<u>09/20/93</u>	<u>05/18/94</u>	<u>08/29/94</u>	<u>11/08/94</u>	<u>11/08/94</u> Dupl.
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>							
pH	std.	--	7.28	5.89	6.56	6.5	10.4	6.41	NA
Conductivity	umhos/cm	--	45000	15000	77000	47000	55000	10000	NA
Phenol	mg/l	0.25	ND	1.4	0.25	1.4	ND	1.2	1.0
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND
Chlorendic Acid	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND
Total Organic Halides	mg/l	0.5	ND	R	ND	ND	ND	0.59 J	0.91 J

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NAPL Performance Wells Hyde Park Landfill Cumulative Data for Well: G2M

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<u>Sample Date</u>			<u>04/05/93</u>	<u>06/08/93</u>	<u>09/20/93</u>	<u>05/18/94</u>	<u>08/22/94</u>	<u>08/22/94</u> Dupl.	<u>11/08/94</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>							
pH	std.	--	6.00	6.25	6.90	6.8	10.77	NA	6.97
Conductivity	umhos/cm	--	2100	8500	13000	3100	3800	NA	4600
Phenol	mg/l	0.25	ND	2.6	ND	ND	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND
Chlorendic Acid	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND
Total Organic Halides	mg/l	0.5	ND	NA	ND	ND	ND	ND	ND

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NAPL Performance Wells Hyde Park Landfill Cumulative Data for Well: G2U

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<u>Sample Date</u>			<u>04/01/93</u>	<u>06/08/93</u>	<u>09/20/93</u>	<u>05/18/94</u>	<u>08/29/94</u>	<u>11/08/94</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>						
pH	std.	--	6.32	6.75	8.01	7.0	10.6	7.09
Conductivity	umhos/cm	--	1600	1400	2500	1700	3400	2600
Phenol	mg/l	0.25	ND	0.29	ND	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND
Chlorendic Acid	mg/l	0.25	ND	ND	ND	ND	ND	ND
Total Organic Halides	mg/l	0.5	ND	R	ND	ND	ND	ND

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: G4U

<u>Sample Date</u>			<u>02/26/96</u>	<u>05/29/96</u>	<u>09/09/96</u>	<u>11/11/96</u>	<u>11/11/96</u> Dupl.	<u>02/11/97</u>	<u>02/11/97</u> Dupl.	<u>05/08/97</u>	<u>08/11/97</u>	<u>11/11/97</u>	<u>02/09/98</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>											
pH	std.	--	6.95	6.85	6.95	6.34	NA	6.54	NA	6.98	6.80	6.87	6.91
Conductivity	umhos/cm	--	1000	770	1100	700	NA	920	NA	1100	1000	1200	1200
Phenol	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorendic Acid	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Organic Halides	mg/l	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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NAPL Performance Wells Hyde Park Landfill Cumulative Data for Well: G4U

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Sample Date

05/15/98

<u>Parameters</u>	<u>Units</u>	<u>MDL</u>	
pH	std.	--	6.36
Conductivity	umhos/cm	--	900
Phenol	mg/l	0.25	ND
Benzoic Acid	mg/l	0.10	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND
Total Chlorobenzoic Acid	mg/l	0.10	ND
Chlorendic Acid	mg/l	0.25	ND
Total Organic Halides	mg/l	0.5	ND

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: H1U

<u>Sample Date</u>			<u>02/28/96</u>	<u>06/17/96</u>	<u>08/29/96</u>	<u>11/12/96</u>	<u>02/20/97</u>	<u>05/05/97</u>	<u>08/11/97</u>	<u>11/14/97</u>	<u>02/18/98</u>	<u>05/18/98</u>	<u>05/18/98</u> Dupl.
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>											
pH	std.	--	6.78	6.64	7.09	6.18	6.67	6.73	6.64	6.65	6.79	6.93	NA
Conductivity	umhos/cm	--	1600	1200	1700	1000	1200	1500	1100	1400	1200	1200	NA
Phenol	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND 1.0	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	0.76	0.095	ND	ND	ND
meta-Chlorobenzoic Acid	mg/l	0.03	0.10	ND	ND	ND	ND	ND	ND 0.30	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	0.04	ND	ND	ND	ND	ND	1.9	0.13	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	0.14	ND	ND	ND	ND	ND	2.7	0.22	ND	ND	ND
Chlorendic Acid	mg/l	0.25	1.1	ND	ND	ND	ND	ND	ND 2.5	0.49	ND	ND	ND
Total Organic Halides	mg/l	0.5	0.55	ND	2.9 J	ND	ND	ND	2.7	0.93	ND	ND	ND

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NAPL Performance Wells Hyde Park Landfill Cumulative Data for Well: H2L

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<u>Sample Date</u>			<u>04/02/93</u>	<u>06/16/93</u>	<u>09/25/93</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>			
pH	std.	--	8.52	5.86	6.84
Conductivity	umhos/cm	--	69000	120000	160000
Phenol	mg/l	0.25	1.8	NA	1.1
Benzoic Acid	mg/l	0.10	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	ND	ND	ND
Chlorendic Acid	mg/l	0.25	ND	ND	ND
Total Organic Halides	mg/l	0.5	ND	R	ND

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: H2M

<u>Sample Date</u>			<u>03/30/93</u>	<u>06/11/93</u>	<u>09/17/93</u>	<u>09/17/93</u> Dupl.	<u>05/20/94</u>	<u>09/07/94</u>	<u>11/11/94</u>	<u>08/29/95</u>	<u>11/16/95</u>	<u>11/16/95</u> Dupl.	<u>02/27/96</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>											
pH	std.	--	6.97	6.86	6.78	NA	7.1	7.15	7.51	6.96	6.81	NA	6.94
Conductivity	umhos/cm	--	1500	1700	2000	NA	1800	1700	760	1600	1900	NA	1800
Phenol	mg/l	0.25	0.84	0.65	0.49	0.49	ND	ND	ND	16	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	0.30	ND	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	0.87	0.65	0.80	0.73	0.12	ND	0.10	ND	0.06	0.04	ND
meta-Chlorobenzoic Acid	mg/l	0.03	0.14	0.11	0.09 J	0.15 J	ND	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	2.2	1.6	1.5	1.7	0.04	ND	0.041	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	3.2	2.4	2.4 J	2.6 J	0.16	ND	0.14	ND	ND	ND	ND
Chlorendic Acid	mg/l	0.25	ND	ND	ND	0.79 J	ND	ND	ND	ND	ND	ND	ND
Total Organic Halides	mg/l	0.5	0.79	NA	0.59	ND	ND	ND	ND	ND	NA	NA	ND

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: H2M

<u>Sample Date</u>			<u>06/17/96</u>	<u>09/10/96</u>	<u>11/12/96</u>	<u>02/11/97</u>	<u>05/06/97</u>	<u>05/06/97</u> Dupl.	<u>08/13/97</u>	<u>11/14/97</u>	<u>02/19/98</u>	<u>05/19/98</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>										
pH	std.	--	6.79	6.82	6.43	6.92	6.36	NA	6.90	6.66	6.89	6.54
Conductivity	umhos/cm	--	1500	1400	1900	2300	2800	NA	1700	2500	2900	1600
Phenol	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	0.11	0.24	0.35	0.26	0.29	0.18	0.13	0.26	0.19
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	0.052	0.046	0.051	ND	ND	0.049	0.038
para-Chlorobenzoic Acid	mg/l	0.03	ND	0.051	0.21	0.41	0.32	0.36	0.17	0.12	0.27	0.20
Total Chlorobenzoic Acid	mg/l	0.10	ND	0.16	0.45	0.81	0.63	0.70	0.35	0.25	0.58	0.43
Chlorendic Acid	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Organic Halides	mg/l	0.5	ND	ND	ND	1.2	0.60	0.67	0.53 J	ND	ND 1.1	0.68

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NAPL Performance Wells Hyde Park Landfill Cumulative Data for Well: H2U

<u>Sample Date</u>			<u>03/30/93</u>	<u>06/08/93</u>	<u>06/08/93</u> Dupl.	<u>09/17/93</u>	<u>05/20/94</u>	<u>09/07/94</u>	<u>11/11/94</u>	<u>11/11/94</u> Dupl.
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>								
pH	std.	--	6.05	6.47	NA	7.35	7.0	7.39	7.29	NA
Conductivity	umhos/cm	--	500	800	NA	1000	1200	1300	740	NA
Phenol	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND	0.3 J
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	R	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	R	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	R	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	R	ND
Total Chlorobenzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	R	ND
Chlorendic Acid	mg/l	0.25	ND	ND	ND	ND	ND	ND	R	ND
Total Organic Halides	mg/l	0.5	ND	R	R	ND	ND	ND	R	ND

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NAPL Performance Wells Hyde Park Landfill Cumulative Data for Well: H3L

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Date Printed: August 10, 1998

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<u>Sample Date</u>			<u>02/28/96</u>	<u>06/17/96</u>	<u>09/10/96</u>	<u>11/13/96</u>	<u>02/20/97</u>	<u>05/06/97</u>	<u>08/14/97</u>	<u>11/14/97</u>	<u>02/19/98</u>	<u>05/19/98</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>										
pH	std.	--	6.05	6.82	8.21	6.40	6.01	6.12	6.68	6.42	6.53	6.31
Conductivity	umhos/cm	--	24000	21000	11000	17000	20000	26000	18000	22000	29000	18000
Phenol	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	0.11	0.067 J	0.055	0.070	0.068	0.057	ND	0.049	ND	0.049
meta-Chlorobenzoic Acid	mg/l	0.03	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	0.05	ND	ND	ND	0.032	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	0.19	ND	ND	ND	0.10	ND	ND	ND	ND	ND
Chlorendic Acid	mg/l	0.25	0.97	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Organic Halides	mg/l	0.5	ND	0.85	0.54	1.6	4.5	0.72	0.51 J	0.99	ND 1.2	ND

Appendix B

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Date Printed: August 10, 1998

Time Printed: 4:01 pm

NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: J1U

<u>Sample Date</u>			<u>02/21/96</u>	<u>06/14/96</u>	<u>08/28/96</u>	<u>11/07/96</u>	<u>02/18/97</u>	<u>05/07/97</u>	<u>08/06/97</u>	<u>11/12/97</u>	<u>02/18/98</u>	<u>05/18/98</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>										
pH	std.	--	7.15	7.16	6.46	7.19	7.30	6.18	7.53	7.23	7.32	7.33
Conductivity	umhos/cm	--	680	650	510	720	680	740	810	790	660	580
Phenol	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorendic Acid	mg/l	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Organic Halides	mg/l	0.5	ND	ND	ND	ND	2.0	ND	ND	ND	ND	ND

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Date Printed: August 10, 1998

Time Printed: 4:01 pm

NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: J2L

<u>Sample Date</u>			<u>03/31/93</u>	<u>06/14/93</u>	<u>09/25/93</u>	<u>05/26/94</u>	<u>08/24/94</u>	<u>11/15/94</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>						
pH	std.	--	6.58	6.57	7.38	6.1	NA	6.94
Conductivity	umhos/cm	--	130000	120000	160000	180000	18000	10000
Phenol	mg/l	0.25	ND	1.1	0.70	1.8	1.6	ND
Benzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	0.04	0.06	ND
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	ND	ND	ND	ND
Total Chlorobenzoic Acid	mg/l	0.10	ND	ND	ND	ND	ND	ND
Chlorendic Acid	mg/l	0.25	ND	ND	ND	ND	ND	ND
Total Organic Halides	mg/l	0.5	2.2 J	R	2.2	10	11	ND

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Date Printed: August 10, 1998

Time Printed: 4:01 pm

NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: J2M

<u>Sample Date</u>			<u>03/29/93</u>	<u>06/09/93</u>	<u>09/21/93</u>	<u>05/20/94</u>	<u>05/20/94</u> Dupl.	<u>08/19/94</u>	<u>11/15/94</u>	<u>08/29/95</u>	<u>08/29/95</u> Dupl.	<u>11/16/95</u>	<u>02/22/96</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>											
pH	std.	--	6.72	7.03	6.83	7.0	NA	NA	6.93	6.87	NA	6.75	6.65
Conductivity	umhos/cm	--	1900	2000	2800	3400	NA	3600	3000	2800	NA	3000	2500
Phenol	mg/l	0.25	15	12	9.4	7.0	7.2	12	11	15 J	ND	17	ND
Benzoic Acid	mg/l	0.10	10	4.2	5.0	2.2	2.1	2.7	2.1	0.58	0.63	2.1	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	12	8.2	13	9.3	8.6	13	15	17	19	36	15
meta-Chlorobenzoic Acid	mg/l	0.03	3.3	2.2	2.7	2.5	2.3	3.4	3.8	2.4	3.0	2.9	2.3
para-Chlorobenzoic Acid	mg/l	0.03	4.2	2.8	3.4	3.5	3.2	4.7	5.3	6.8 J	12 J	12	3.1
Total Chlorobenzoic Acid	mg/l	0.10	20	13	19	15	14	21	24	26	34	51	20
Chlorendic Acid	mg/l	0.25	6.3	9.3	14	12	11	19	17	4.0	4.8	3.4	62
Total Organic Halides	mg/l	0.5	18 J	R	16 D	18	16	19	26	9.6	11	NA	12

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Date Printed: August 10, 1998

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**NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: J2M**

<u>Sample Date</u>			<u>06/07/96</u>	<u>08/28/96</u>	<u>08/28/96</u> Dupl.	<u>11/07/96</u>	<u>02/18/97</u>	<u>05/07/97</u>	<u>08/06/97</u>	<u>11/12/97</u>	<u>02/18/98</u>	<u>05/15/98</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>										
pH	std.	--	6.68	5.69	NA	6.80	6.76	4.88	6.54	6.65	6.6	5.97
Conductivity	umhos/cm	--	2100	1300	NA	2600	2800	3300	3000	3000	2800	2600
Phenol	mg/l	0.25	7.9 J	8.1	7.5	ND	9.3	8.9	ND	8.1	6.4	8.8 J
Benzoic Acid	mg/l	0.10	ND	ND 1.0	ND 1.0	0.17 J	ND	0.12	ND	ND 2.0	0.42 J	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	4.7 J	3.8 J	7.1 J	4.5	5.4	4.7	6.6	6.2	4.7	3.1
meta-Chlorobenzoic Acid	mg/l	0.03	0.79 J	2.0	2.0	0.99 J	0.82	0.58	1.8	0.77	0.70	0.16 J
para-Chlorobenzoic Acid	mg/l	0.03	1.1 J	4.2	4.0	1.1 J	0.48	0.78	2.6	1.2	0.60	0.23 J
Total Chlorobenzoic Acid	mg/l	0.10	6.6 J	10	13	6.6 J	6.7	6.1	11	8.2	6.0	3.5
Chlorendic Acid	mg/l	0.25	3.6 J	10	9.6	3.5 J	3.4	0.97	7.1 J	9.7	1.9	3.0
Total Organic Halides	mg/l	0.5	19 J	18	15	18	19	25	19	19 J	30	19

Appendix B

NAPL Performance Wells Hyde Park Landfill Cumulative Data for Well: J2U

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<u>Sample Date</u>			<u>03/26/93</u>	<u>06/09/93</u>	<u>09/21/93</u>	<u>05/20/94</u>	<u>08/19/94</u>	<u>11/15/94</u>
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>						
pH	std.	--	6.10	7.31	7.09	7.2	NA	7.05
Conductivity	umhos/cm	--	1500	1200	1800	1600	2200	980
Phenol	mg/l	0.25	2.5	ND	2.0	ND	ND	ND
Benzoic Acid	mg/l	0.10	ND	ND	1.7	ND	ND	ND
ortho-Chlorobenzoic Acid	mg/l	0.03	0.32	0.80	6.2	1.5	1.1	1.8
meta-Chlorobenzoic Acid	mg/l	0.03	ND	ND	0.63	0.16	0.12	0.17
para-Chlorobenzoic Acid	mg/l	0.03	ND	ND	1.3	0.05	0.06	0.12
Total Chlorobenzoic Acid	mg/l	0.10	0.32	0.80	8.1	1.7	1.3	2.1
Chlorendic Acid	mg/l	0.25	ND	ND	ND	1.2	ND	ND
Total Organic Halides	mg/l	0.5	ND	R	2.0	ND	ND	0.64

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Date Printed: August 10, 1998

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: J3L

<u>Sample Date</u>			<u>02/27/96</u>	<u>06/17/96</u>	<u>08/28/96</u>	<u>11/11/96</u>	<u>02/19/97</u>	<u>05/06/97</u>	<u>08/13/97</u>	<u>08/13/97</u> Dupl.	<u>11/12/97</u>	<u>02/18/98</u>	<u>02/18/98</u> Dupl.
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>											
pH	std.	--	6.28	6.27	5.48	5.93	6.04	5.61	NA	6.26	6.15	6.21	10.2
Conductivity	umhos/cm	--	83000	75000	10000	> 62000	77000	99000	NA	ND 20000	89000	89000	89000
Phenol	mg/l	0.25	4.2	2.1	2.6	2.1	3.7	3.2	1.8	NA	1.2	2.0	2.6
Benzoic Acid	mg/l	0.10	4.1	1.2 J	1.1	2.1	1.7	1.5	1.3	NA	1.3	1.2	1.2
ortho-Chlorobenzoic Acid	mg/l	0.03	3.6	1.7 J	0.41	3.3	2.0	1.8	1.9	NA	1.7	1.6	1.7
meta-Chlorobenzoic Acid	mg/l	0.03	1.2	0.45 J	0.38	0.77	0.45	0.55	0.57	NA	0.44	0.46	0.47
para-Chlorobenzoic Acid	mg/l	0.03	2.7	1.4 J	1.0	1.4	0.35	0.62	0.89	NA	0.99	0.78	0.79
Total Chlorobenzoic Acid	mg/l	0.10	7.5	3.5 J	2.9	5.5	2.8	3.0	3.4	NA	3.1	2.8	3.0
Chlorendic Acid	mg/l	0.25	7.2	0.35 J	2.5 U	ND 2.5	0.27	0.55	ND 2.5	NA	ND	ND	ND
Total Organic Halides	mg/l	0.5	2.7	3.5	26	5.5	10	14	2.9	NA	4.0 J	5.4 J	3.2 J

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Date Printed: August 10, 1998

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NAPL Performance Wells
Hyde Park Landfill
Cumulative Data for Well: J3L

<i>Sample Date</i>	<u>05/18/98</u>		
<u>Parameters</u>	<u>Units</u>	<u>MDL</u>	
pH	std.	--	6.28
Conductivity	umhos/cm	--	72000
Phenol	mg/l	0.25	1.7 J
Benzoic Acid	mg/l	0.10	1.1
ortho-Chlorobenzoic Acid	mg/l	0.03	1.6
meta-Chlorobenzoic Acid	mg/l	0.03	0.49
para-Chlorobenzoic Acid	mg/l	0.03	0.92
Total Chlorobenzoic Acid	mg/l	0.10	3.0
Chlorendic Acid	mg/l	0.25	ND 2.5
Total Organic Halides	mg/l	0.5	4.9

Notes

- R - Data has been qualified as unusable.
- J - The associated value is estimated.
- ND - Non-detect at the associated value.
- NA - Not analyzed.
- D - Analyzed at a dilution.

APPENDIX C

OMW MONITORING PROGRAM WATER LEVEL TABLES

OMW MONITORING PROGRAM
HYDE PARK LANDFILL SITE

Water Levels - Reference No. 4341

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WELL NO.	OMW-1	OMW-2		OMW-3	OMW-4		OMW-5	OMW-6		B1U	
TYPE	O	O	Horizontal	O	O	Horizontal	O	O	Horizontal	R	Vertical
POSITION	(Inner)	(Outer)	Hydraulic	(Inner)	(Outer)	Hydraulic	(Inner)	(Outer)	Hydraulic	(Lower)	Hydraulic
CASING EL.	605.87	606.39	Gradient	599.27	600.68	Gradient	587.53	588.27	Gradient	592.40	Gradient
GROUND EL.	604.3	605.0		597.5	598.8		587.9	588.5		589.8	
01/28/92	600.66	604.07	-3.41	586.65	590.84	-4.19	583.75	585.66	-1.91		
02/28/92	601.01	604.38	-3.37	588.57	591.31	-2.74	587.23	585.89	1.34		
03/19/92	601.77	604.33	-2.56	589.46	591.19	-1.73	586.23	586.11	0.12		
04/22/92	602.61	604.63	-2.02	590.17	591.70	-1.53	586.28	586.17	0.11		
05/15/92	602.63	604.64	-2.01	590.30	591.99	-1.69	586.41	586.35	0.06		
06/26/92	600.21	603.47	-3.26	589.23	590.61	-1.38	586.51	586.48	0.03		
07/24/92	601.95	604.30	-2.35	589.53	591.21	-1.68	586.58	586.21	0.37		
08/18/92	600.84	603.96	-3.12	589.36	591.03	-1.67	586.64	586.47	0.17		
09/28/92	600.31	604.19	-3.88	589.30	591.00	-1.70	586.78	586.31	0.47		
10/27/92	600.81	604.31	-3.50	589.38	591.31	-1.93	586.71	586.20	0.51		
11/24/92	602.70	604.69	-1.99	589.80	592.36	-2.56	586.45	586.27	0.18		
12/11/92	600.91	604.22	-3.31	589.55	591.97	-2.42	586.50	586.13	0.37		
01/19/93	601.66	604.36	-2.70	590.13	592.37	-2.24	586.50	586.32	0.18		
02/15/93	600.43	Frozen	NA	589.27	591.83	-2.56	585.92	585.85	0.07		
03/09/93	601.37	603.58	-2.21	588.95	591.25	-2.30	586.33	585.96	0.37		
04/20/93	598.53	604.18	-5.65	591.36	592.29	-0.93	586.31	586.00	0.31		
05/11/93	600.06	603.98	-3.92	590.65	591.84	-1.19	586.18	586.00	0.18		
06/16/93	600.06	604.07	-4.01	589.07	591.50	-2.43	586.09	586.07	0.02		
08/27/93	597.19	600.57	-3.38	588.92	590.08	-1.16	585.99	585.85	0.14		
09/14/93	596.88	600.24	-3.36	588.82	589.87	-1.05	585.87	585.82	0.05		
10/27/93	599.22	602.93	-3.71	589.01	590.03	-1.02	586.03	585.89	0.14		
11/24/93	599.51	604.24	-4.73	589.12	590.88	-1.76	587.33	585.92	1.41		
12/21/93	600.01	603.89	-3.88	589.33	591.27	-1.94	586.53	585.79	0.74		
01/04/94	600.17	Frozen	NA	589.27	591.12	-1.85	Frozen	585.65	NA		
02/08/94	599.54	Frozen	NA	590.15	591.20	-1.05	Frozen	584.99	NA		
03/01/94	599.65	604.59	-4.94	589.27	591.56	-2.29	Frozen	585.96	NA		
04/05/94	601.17	604.19	-3.02	589.07	592.26	-3.19	586.29	586.17	0.12		
05/10/94	599.96	603.87	-3.91	589.17	591.63	-2.46	586.04	585.98	0.06	573.15	-12.83
06/07/94	599.97	604.94	-4.97	589.27	591.53	-2.26	Flooded	585.97	NA	573.44	-12.53
07/06/94	599.56	603.43	-3.87	589.16	591.18	-2.02	Flooded	585.85	NA	572.70	-13.15
08/02/94	599.52	602.47	-2.95	589.27	592.48	-3.21	Flooded	584.75	NA	569.80	-14.95
09/06/94	598.44	601.64	-3.20	589.02	590.23	-1.21	Flooded	585.62	NA	569.32	-16.30
10/04/94	600.35	603.47	-3.12	589.01	590.38	-1.37	Flooded	586.35	NA	567.93	-18.42
11/17/94	601.62	603.89	-2.27	589.07	590.38	-1.31	585.83	585.89	-0.06	568.88	-16.95
12/01/94	600.16	603.87	-3.71	589.30	590.63	-1.33	585.91	585.84	0.07	568.82	-17.02
01/03/95	599.86	603.04	-3.18	589.39	591.18	-1.79	585.91	586.67	-0.76	569.74	-16.17
02/16/95	599.85	604.24	-4.39	589.75	591.43	-1.68	584.63	585.14	-0.51	569.33	-15.30
03/01/95	599.77	603.12	-3.35	589.45	591.07	-1.62	Flooded	585.97	NA	568.76	-17.21
04/06/95	597.97	603.54	-5.57	589.42	591.23	-1.81	585.83	585.72	0.11	569.76	-15.96
05/09/95	599.07	603.49	-4.42	589.07	589.58	-0.51	586.53	585.67	0.86	NM	NA
06/20/95	598.39	601.60	-3.21	588.86	589.26	-0.40	586.18	585.74	0.44	569.42	-16.32
07/11/95	598.82	602.40	-3.58	588.89	589.45	-0.56	586.84	585.88	0.96	569.11	-16.77
08/01/95	598.17	601.50	-3.33	588.69	587.93	0.76	Flooded	586.32	NA	569.26	NA
09/05/95	597.67	601.00	-3.33	588.45	587.03	1.42	Flooded	586.07	NA	569.02	NA
10/03/95	596.87	599.84	-2.97	587.87	585.68	2.19	586.03	585.47	0.56	568.40	-17.07
11/01/95	599.87	603.69	-3.82	587.77	589.52	-1.75	585.93	585.72	0.21	569.37	-16.35
12/05/95	601.37	604.04	-2.67	589.37	591.68	-2.31	Flooded	585.92	NA	570.89	-15.03

All elevations are based on USGS datum

O = Overburden Well

R = Bedrock Well

NM = Not Measured

OMW MONITORING PROGRAM
HYDE PARK LANDFILL SITE

Water Levels - Reference No. 4341
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WELL NO.	OMW-1	OMW-2		OMW-3	OMW-4		OMW-5	OMW-6		B1U	
TYPE	O	O	Horizontal	O	O	Horizontal	O	O	Horizontal	R	Vertical
POSITION	(Inner)	(Outer)	Hydraulic	(Inner)	(Outer)	Hydraulic	(Inner)	(Outer)	Hydraulic	(Lower)	Hydraulic
CASING EL.	605.87	606.39	Gradient	599.27	600.68	Gradient	587.53	588.27	Gradient	592.40	Gradient
GROUND EL.	604.3	605.0		597.5	598.8		587.9	588.5		589.8	(B1U)
09/05/95											
10/03/95											
11/01/95											
12/05/95											
01/02/96	599.42	603.41	-3.99	589.27	591.18	-1.91	Frozen	585.42	NA	570.72	-14.70
02/06/96	599.07	Frozen	NA	589.07	591.38	-2.31	Frozen	585.07	NA	570.61	-14.46
03/05/96	599.67	Frozen	NA	589.27	591.23	-1.96	Frozen	585.97	NA	570.88	-15.09
04/02/96	600.27	603.89	-3.62	589.17	591.63	-2.46	586.03	585.92	0.11	570.96	-14.96
05/01/96	600.42	603.89	-3.47	590.27	591.98	-1.71	586.13	586.32	-0.19	571.28	-15.04
06/04/96	599.82	603.42	-3.60	590.14	591.98	-1.84	587.33	585.93	1.40	570.81	-15.12
07/02/96	599.72	601.44	-1.72	589.47	588.78	0.69	Flooded	585.97	NA	570.20	-15.77
08/06/96	598.27	601.29	-3.02	589.07	589.38	-0.31	Flooded	585.87	NA	569.25	-16.62
09/03/96	597.17	599.99	-2.82	590.87	588.08	2.79	Blocked	585.57	NA	568.79	-16.78
10/01/96	597.97	603.74	-5.77	589.02	589.54	-0.52	Flooded	586.07	NA	569.60	-16.47
11/05/96	600.87	603.69	-2.82	589.57	588.78	0.79	586.03	585.77	0.26	570.40	-15.37
12/03/96	601.64	604.19	-2.55	589.41	590.78	-1.37	Flooded	587.07	NA	570.91	-16.16
01/07/97	601.37	604.09	-2.72	590.02	591.88	-1.86	585.73	586.02	-0.29	571.31	-14.71
02/04/97	600.07	Frozen	NA	589.47	592.43	-2.96	Frozen	Frozen	NA	570.61	NA
03/06/97	600.97	604.31	-3.34	589.28	592.54	-3.26	586.22	586.09	0.13	571.69	-14.40
04/01/97	601.37	604.29	-2.92	590.37	592.38	-2.01	586.13	586.17	-0.04	572.17	-14.00
05/06/97	599.97	604.09	-4.12	589.47	591.08	-1.61	586.13	586.07	0.06	568.60	-17.47
06/03/97	598.87	604.29	-5.42	590.17	590.08	0.09	586.23	585.87	0.36	568.96	-16.91
07/01/97	599.77	603.19	-3.42	590.17	589.78	0.39	585.83	585.87	-0.04	570.71	-15.16
08/05/97	597.27	600.33	-3.06	588.99	587.36	1.63	585.24	585.45	-0.21	568.95	-16.50
09/03/97	597.79	603.59	-5.80	586.82	586.43	0.39	586.26	585.84	0.42	568.75	-17.09
10/07/97	600.42	603.75	-3.33	586.94	588.60	-1.66	586.03	587.27	-1.24	569.20	-18.07
11/04/97	601.59	604.06	-2.47	586.77	587.06	-0.29	585.95	587.17	-1.22	569.40	-17.77
12/02/97	601.77	604.24	-2.47	587.14	588.18	-1.04	585.98	586.17	-0.19	570.28	-15.89
01/08/98	602.35	604.44	-2.09	589.62	590.97	-1.35	586.21	Flooded	NA	570.95	NA
02/03/98	602.12	604.34	-2.22	590.17	591.88	-1.71	586.28	586.82	-0.54	571.50	-15.32
				OMW-3	OMW-4R		OMW-5R	OMW-6		B1U	
				O	O	Horizontal	O	O	Horizontal	R	Vertical
				(Inner)	(Outer)	Hydraulic	(Inner)	(Outer)	Hydraulic	(Lower)	Hydraulic
				599.27	601.83	Gradient	588.25	588.27	Gradient	592.40	Gradient
				597.5	598.7		588.4	588.5		589.8	(B1U)
03/25/98	602.57	604.29	-1.72	590.22	590.33	-0.11	585.05	587.07	-2.02	570.55	-16.52
04/08/98	600.59	604.06	-3.47	590.47	590.93	-0.46	584.86	587.00	-2.14	570.58	-16.42
05/05/98	600.02	603.89	-3.87	588.12	590.66	-2.54	583.29	586.80	-3.51	569.84	-16.96
06/02/98	598.98	602.35	-3.37	589.27	590.52	-1.25	581.31	585.92	-4.61	569.45	-16.47

All elevations are based on USGS datum

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All elevations are based on USGS datum
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WELL NO.	OMW-7	OMW-8		B1U		OMW-9	OMW-10		BC3U	
TYPE	O	O	Horizontal	R	Vertical	O	O	Horizontal	R	Vertical
POSITION	(Inner)	(Outer)	Hydraulic	(Lower)	Hydraulic	(Inner)	(Outer)	Hydraulic	(Lower)	Hydraulic
CASING EL.	593.39	592.97	Gradient	592.40	Gradient	595.97	595.51	Gradient	594.33	Gradient
GROUND EL.	590.8	590.9		589.8	(B1U)	596.3	595.9		595.2	(BC3U)
09/05/95										
10/03/95										
11/01/95										
12/05/95										
01/02/96	585.24	578.52	6.72	570.72	-7.80	587.97	586.01	1.96	567.27	-18.74
02/06/96	585.59	578.67	6.92	570.61	-8.06	587.17	586.21	0.96	567.64	-18.57
03/05/96	585.99	578.87	7.12	570.88	-7.99	587.05	586.01	1.04	568.34	-17.67
04/02/96	588.99	579.02	9.97	570.96	-8.06	587.52	586.71	0.81	567.83	-18.88
05/01/96	585.29	579.67	5.62	571.28	-8.39	588.17	586.81	1.36	569.13	-17.68
06/04/96	585.57	579.25	6.32	570.81	-8.44	587.59	586.33	1.26	568.37	-17.96
07/02/96	585.64	578.47	7.17	570.20	-8.27	587.37	586.21	1.16	567.49	-18.72
08/06/96	585.39	577.77	7.62	569.25	-8.52	587.47	585.41	2.06	566.81	-18.60
09/03/96	584.69	586.97	-2.28	568.79	-18.18	587.27	584.01	3.26	566.51	-17.50
10/01/96	586.34	581.02	5.32	569.60	-11.42	587.97	585.46	2.51	567.39	-18.07
11/05/96	585.39	579.27	6.12	570.40	-8.87	587.97	584.51	3.46	568.23	-16.28
12/03/96	586.49	578.77	7.72	570.91	-7.86	588.15	586.61	1.54	NM	NM
01/07/97	586.99	579.07	7.92	571.31	-7.76	589.67	586.91	2.76	560.47	-26.44
02/04/97	586.29	579.17	7.12	570.61	-8.56	Frozen	590.46	NA	568.55	-21.91
03/06/97	586.34	579.43	6.91	571.69	-7.74	588.90	586.08	2.82	569.55	-16.53
04/01/97	586.49	579.37	7.12	572.17	-7.20	589.77	585.91	3.86	569.95	-15.96
05/06/97	586.39	579.37	7.02	568.60	-10.77	587.57	586.01	1.56	568.37	-17.64
06/03/97	586.19	578.97	7.22	568.96	-10.01	587.67	585.91	1.76	567.95	-17.96
07/01/97	584.49	578.97	5.52	570.71	-8.26	587.57	586.31	1.26	568.29	-18.02
08/05/97	584.56	577.20	7.36	568.95	-8.25	586.92	582.73	4.19	565.11	-17.62
09/03/97	586.14	576.43	9.71	568.75	-7.68	587.22	583.56	3.66	566.71	-16.85
10/07/97	586.33	577.41	8.92	569.20	-8.21	587.79	584.41	3.38	566.81	-17.60
11/04/97	586.29	577.59	8.70	569.40	-8.19	580.75	582.75	-2.00	567.36	-15.39
12/02/97	586.48	578.04	8.44	570.28	-7.76	587.77	584.11	3.66	568.21	-15.90
01/08/98	586.64	578.48	8.16	570.95	-7.53	588.27	586.38	1.89	569.38	-17.00
02/03/98	586.39	578.72	7.67	571.50	-7.22	589.42	587.21	2.21	570.93	-16.28
	OMW-8R	OMW-7		B1U		OMW-10R	OMW-9		BC3U	
	O	O	Horizontal	R	Vertical	O	O	Horizontal	R	Vertical
	(Inner)	(Outer)	Hydraulic	(Lower)	Hydraulic	(Inner)	(Outer)	Hydraulic	(Lower)	Hydraulic
	598.16	593.39	Gradient	592.40	Gradient	595.79	595.97	Gradient	594.33	Gradient
	595.2	590.8		589.8	(B1U)	596.6	596.3		595.2	(BC3U)
03/25/98	590.67	586.19	4.48	570.55	-15.64	590.49	590.27	0.22	566.73	-23.54
04/08/98	589.89	586.32	3.57	570.58	-15.74	590.07	589.75	0.32	567.33	-22.42
05/05/98	588.39	585.98	2.41	569.84	-16.14	587.46	587.65	-0.19	567.12	-20.53
06/02/98	587.96	585.39	2.57	569.45	-15.94	586.51	587.01	-0.50	567.33	-19.68

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WELL NO.	OMW-11	OMW-12		D1U		OMW-13	OMW-14		OMW-15	OMW-16	
TYPE	O	O	Horizontal	R	Vertical	O	O	Horizontal	O	O	Horizontal
POSITION	(Inner)	(Outer)	Hydraulic	(Lower)	Hydraulic	(Outer)	(Inner)	Hydraulic	(Inner)	(Outer)	Hydraulic
CASING EL.	595.71	594.17	Gradient	592.89	Gradient	597.96	595.68	Gradient	605.44	606.61	Gradient
GROUND EL.	596.1	594.5		593.2		598.1	596.1		606.0	604.4	
01/28/92	589.51	590.45	-0.94			587.49	591.90	4.41	600.72	601.25	-0.53
02/28/92	589.76	591.09	-1.33			587.52	592.57	5.05	604.82	603.86	0.96
03/19/92	590.13	591.26	-1.13			590.49	589.76	-0.73	602.91	603.93	-1.02
04/22/92	590.22	591.91	-1.69			591.41	589.82	-1.59	604.73	604.22	0.51
05/15/92	590.23	591.63	-1.40			589.60	590.29	0.69	604.38	604.23	0.15
06/26/92	589.41	585.60	3.81			587.57	593.46	5.89	602.90	603.95	-1.05
07/24/92	589.99	590.08	-0.09			588.26	593.87	5.61	603.71	604.04	-0.33
08/18/92	589.78	588.73	1.05			588.56	593.28	4.72	603.58	604.02	-0.44
09/28/92	589.74	588.78	0.96			588.32	593.20	4.88	603.26	603.99	-0.73
10/27/92	589.79	589.51	0.28			588.62	592.80	4.18	603.52	604.00	-0.48
11/24/92	588.49	592.36	-3.87			588.61	594.20	5.59	604.27	604.18	0.09
12/11/92	589.64	589.40	0.24			588.21	593.71	5.50	604.00	604.04	-0.04
01/19/93	589.73	589.59	0.14			591.06	591.31	0.25	604.05	Frozen	NA
02/15/93	588.78	587.29	1.49			589.98	589.57	-0.41	601.34	Frozen	NA
03/09/93	589.88	587.79	2.09			590.03	588.49	-1.54	602.90	Frozen	NA
04/20/93	589.56	587.67	1.89			589.91	588.00	-1.91	604.16	604.18	-0.02
05/11/93	589.08	587.29	1.79			589.78	589.66	-0.12	603.92	603.94	-0.02
06/16/93	588.99	586.85	2.14			589.92	589.44	-0.48	603.86	603.95	-0.09
08/27/93	588.61	583.65	4.96			590.34	589.12	-1.22	601.66	604.11	-2.45
09/14/93	588.55	583.62	4.93			590.39	588.52	-1.87	601.28	603.96	-2.68
10/27/93	589.69	Dry	NA			590.72	590.14	-0.58	601.72	603.99	-2.27
11/24/93	589.52	588.32	1.20			590.64	590.33	-0.31	602.72	604.18	-1.46
12/21/93	589.30	589.97	-0.67			590.30	590.67	0.37	603.02	604.05	-1.03
01/04/94	590.51	587.89	2.62			590.13	590.83	0.70	Frozen	Frozen	NA
02/08/94	589.20	587.27	1.93			590.44	Buried	NA	602.81	Frozen	NA
03/01/94	588.78	588.67	0.11			590.96	Buried	NA	603.82	Frozen	NA
04/05/94	589.59	589.55	0.04			NM	591.22	NA	604.10	603.99	0.11
05/10/94	588.75	587.10	1.65	576.19	-10.91	591.72	587.52	-4.20	603.49	603.95	-0.46
06/07/94	589.11	587.37	1.74	579.33	-8.04	590.11	589.88	-0.23	603.74	602.86	0.88
07/06/94	589.19	587.36	1.83	579.24	-8.12	590.38	589.43	-0.95	603.74	603.82	-0.08
08/02/94	589.08	587.67	1.41	578.46	-9.21	590.58	589.34	-1.24	603.74	603.81	-0.07
09/06/94	588.74	584.89	3.85	575.08	-9.81	590.62	588.72	-1.90	601.93	603.81	-1.88
10/04/94	589.61	588.17	1.44	576.36	-11.81	590.54	589.68	-0.86	602.44	603.81	-1.37
11/17/94	589.47	589.53	-0.06	576.49	-12.98	590.50	589.58	-0.92	602.29	603.87	-1.58
12/01/94	589.19	589.68	-0.49	576.49	-12.70	590.28	589.82	-0.46	602.56	603.94	-1.38
01/03/95	588.90	589.34	-0.44	578.05	-10.85	589.46	590.16	0.70	604.64	Frozen	NA
02/16/95	589.30	588.40	0.90	577.56	-10.84	589.69	589.83	0.14	605.44	604.31	1.13
03/01/95	589.16	588.78	0.38	577.99	-10.79	589.68	Buried	NA	Buried	Frozen	NA
04/06/95	588.50	587.70	0.80	578.78	-8.92	589.60	589.57	-0.03	602.89	604.05	-1.16
05/09/95	588.31	584.17	4.14	NM	NA	589.86	589.18	-0.68	NM	603.81	NA
06/20/95	588.27	585.15	3.12	577.98	-7.17	589.46	588.62	-0.84	601.79	603.78	-1.99
07/11/95	589.00	585.76	3.24	NM	NA	590.19	Buried	NA	603.56	603.92	-0.36
08/01/95	588.96	583.57	5.39	577.57	-6.00	590.36	589.18	-1.18	603.54	603.81	-0.27
09/05/95	588.61	584.37	4.24	577.03	-7.34				602.44	603.81	-1.37
10/03/95	587.56	NA	NA	575.59	-11.97				600.64	603.71	-3.07
11/01/95	590.41	590.51	-0.10	578.94	-11.47				603.22	603.81	-0.59
12/05/95	589.61	591.02	-1.41	580.46	-9.15				604.34	603.81	0.53

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WELL NO.	OMW-11			OMW-12			D3U		OMW-13R			OMW-14R			OMW-15			OMW-16		
TYPE	O	O	Horizontal	O	O	Horizontal	R	Vertical	O	O	Horizontal	O	O	Horizontal	O	O	Horizontal	O	O	Horizontal
POSITION	(Inner)	(Outer)	Hydraulic	(Inner)	(Outer)	Hydraulic	(Lower)	Hydraulic	(Inner)	(Outer)	Hydraulic	(Inner)	(Outer)	Hydraulic	(Inner)	(Outer)	Hydraulic	(Inner)	(Outer)	Hydraulic
CASING EL.	595.71	594.17	Gradient	595.71	594.17	Gradient	600.02	Gradient	599.59	599.42	Gradient	599.59	599.42	Gradient	605.44	606.61	Gradient	605.44	606.61	Gradient
GROUND EL.	596.1	594.5		596.1	594.5		600.0	(D3U)	600.0	599.8		600.0	599.8		606.0	604.4		606.0	604.4	
09/05/95									590.49	591.12	-0.63									
10/03/95									590.64	590.52	0.12									
11/01/95									591.68	591.74	-0.06									
12/05/95									591.39	591.52	-0.13									
01/02/96	589.21	588.47	0.74	590.24	1.77		591.39	591.52	-0.13	603.84	603.81	0.03								
02/06/96	589.61	588.07	1.54	592.30	4.23		592.69	Buried	NA	Buried	Frozen	NA								
03/05/96	589.86	588.52	1.34	595.08	6.56		Buried	Buried	NA	Buried	Frozen	NA								
04/02/96	589.81	588.77	1.04	595.10	6.33		594.19	594.02	0.17	603.44	603.81	-0.37								
05/01/96	589.90	589.07	0.83	594.36	5.29		593.89	Buried	NA	Flooded	603.91	NA								
06/04/96	589.50	587.92	1.58	590.12	2.20		593.70	593.83	-0.13	603.92	603.87	0.05								
07/02/96	588.46	587.87	0.59	587.28	-0.59		593.49	Buried	NA	Buried	603.81	NA								
08/06/96	588.81	584.77	4.04	546.93	-37.84		592.79	Buried	NA	603.14	603.81	-0.67								
09/03/96	588.31	583.77	4.54	587.57	3.80		591.49	597.42	-5.93	601.54	603.81	-2.27								
10/01/96	589.81	586.75	3.06	590.54	3.79		592.94	593.07	-0.13	604.59	603.86	0.73								
11/05/96	589.51	586.97	2.54	588.99	2.02		592.69	593.72	-1.03	604.44	603.81	0.63								
12/03/96	589.85	591.77	-1.92	590.34	-1.43		592.62	593.42	-0.80	604.84	603.81	1.03								
01/07/97	589.91	591.57	-1.66	591.16	-0.41		593.49	593.92	-0.43	604.24	603.81	0.43								
02/04/97	590.01	Flooded	NA	589.86	NA		Frozen	NM	NA	Buried	Frozen	NA								
03/06/97	589.78	590.16	-0.38	591.22	1.06		591.64	598.27	-6.63	Flooded	603.94	NA								
04/01/97	590.31	590.67	-0.36	591.46	0.79		593.69	NM	NA	Buried	604.31	NA								
05/06/97	589.21	587.37	1.84	589.32	1.95		593.49	NM	NA	Buried	603.91	NA								
06/03/97	588.71	586.87	1.84	586.94	0.07		593.09	NM	NA	603.33	603.71	-0.38								
07/01/97	589.01	586.67	2.34	586.73	0.06		593.49	592.32	1.17	602.84	603.71	-0.87								
08/05/97	589.06	584.07	4.99	584.30	0.23		593.59	590.86	2.73	601.89	603.73	-1.84								
09/03/97	589.18	Dry	NA	584.83	NA		590.44	587.48	2.96	600.32	603.94	-3.62								
10/07/97	589.22	Dry	NA	585.84	NA		Buried	591.82	NA	604.04	603.86	0.18								
11/04/97	589.39	590.17	-0.78	585.84	-4.33		Buried	590.32	NA	602.44	603.91	-1.47								
12/02/97	587.01	591.52	-4.51	586.65	-4.87		Buried	591.65	NA	605.36	603.86	1.50								
01/08/98	590.18	Buried	NA	587.05	NA		Buried	591.50	NA	Flooded	603.95	NA								
02/03/98	589.71	591.96	-2.25	573.39	-18.57		Flooded	591.47	NA	Flooded	603.86	NA								
	OMW-12R			OMW-11			D3U					OMW-15			OMW-16R					
	O	O	Horizontal	O	O	Horizontal	R	Vertical				O	O	Horizontal	O	O	Horizontal			
	(Inner)	(Outer)	Hydraulic	(Inner)	(Outer)	Hydraulic	(Lower)	Hydraulic				(Inner)	(Outer)	Hydraulic	(Inner)	(Outer)	Hydraulic			
	596.95	595.71	Gradient	596.95	595.71	Gradient	600.02	Gradient				605.44	608.23	Gradient	606.0	605.1	Gradient			
	597.2	596.1		597.2	596.1		600.0	(D3U)				606.0	605.1							
03/25/98	NM	NM	NA	Blocked	NA		NM	NM	NA	NM	600.63	NA								
04/08/98	591.95	589.36	2.59	586.97	-2.39		NM	590.99	NA	604.17	601.28	2.89								
05/05/98	591.64	589.09	2.55	587.82	-1.27		594.88	591.37	3.51	603.84	602.78	1.06								
06/02/98	591.13	588.39	2.74	587.20	-1.19		592.44	591.31	1.13	602.47	603.58	-1.11								

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APPENDIX D

CMW MONITORING PROGRAM WATER LEVEL TABLES

CMW MONITORING PROGRAM
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WELL NO.	CMW-1OB	CMW-1SH		CMW-2OB	CMW-2SH		CMW-3OB	CMW-3SH	
TYPE	O	R	Hydraulic	O	R	Hydraulic	O	R	Hydraulic
CASING EL.	576.12	576.68	Gradient	590.05	589.73	Gradient	582.79	582.74	Gradient
GROUND EL	576.8	577.3		591.5	591.2		583.4	583.5	
02/25/87	571.14	564.99	-6.15	588.56	571.75	-16.81	569.59	551.40	-18.19
03/05/87	571.86	565.63	-6.23	588.99	570.20	-18.79	570.68	553.42	-17.26
04/14/87	571.27	565.57	-5.70	589.56	571.47	-18.09	571.41	556.96	-14.45
05/05/87	571.68	562.99	-8.69	587.82	570.02	-17.80	574.74	554.95	-19.79
06/16/87	571.57	561.47	-10.10	583.35	568.99	-14.36	574.01	551.67	-22.34
07/08/87	571.56	561.35	-10.21	581.68	569.27	-12.41	572.83	551.80	-21.03
08/06/87	571.88	561.65	-10.23	581.41	NM	NA	570.93	553.04	-17.89
09/09/87	571.74	561.81	-9.93	NM	NM	NA	569.07	551.96	-17.11
10/08/87	571.89	562.12	-9.77	588.69	575.17	-13.52	568.62	NM	NA
11/06/87	571.76	561.60	-10.16	588.49	569.43	-19.06	568.64	551.90	-16.74
12/18/87	572.77	563.68	-9.09	589.78	570.44	-19.34	570.50	557.18	-13.32
01/11/88	571.61	562.78	-8.83	588.52	570.24	-18.28	572.46	555.19	-17.27
02/08/88	571.78	563.06	-8.72	588.74	570.22	-18.52	573.00	554.73	-18.27
03/08/88	571.69	563.59	-8.10	588.73	572.42	-16.31	575.23	555.92	-19.31
04/05/88	572.10	564.62	-7.48	589.83	574.01	-15.82	576.94	556.72	-20.22
05/03/88	571.78	563.90	-7.88	588.90	572.85	-16.05	576.68	555.72	-20.96
06/08/88	571.61	563.13	-8.48	585.40	572.13	-13.27	575.36	554.49	-20.87
07/20/88	571.07	562.52	-8.55	579.91	570.58	-9.33	571.80	552.00	-19.80
08/08/88	571.19	562.03	-9.16	578.28	570.08	-8.20	570.28	551.59	-18.69
09/09/88	571.20	561.91	-9.29	575.84	569.64	-6.20	568.21	551.23	-16.98
10/06/88	570.78	561.43	-9.35	574.62	568.82	-5.80	567.35	551.62	-15.73
11/04/88	573.21	565.05	-8.16	573.60	570.34	-3.26	567.03	551.44	-15.59
12/12/88	573.12	564.94	-8.18	575.07	570.42	-4.65	567.21	551.48	-15.73
03/28/89	573.59	567.51	-6.08	589.60	573.81	-15.79	567.79	553.82	-13.97
06/08/89	573.72	567.87	-5.85	589.15	573.15	-16.00	572.65	553.03	-19.62
09/02/89	572.85	565.62	-7.23	579.00	569.95	-9.05	569.23	551.58	-17.65
12/06/89	573.61	567.37	-6.24	588.87	572.65	-16.22	568.65	552.24	-16.41
03/22/90	573.81	568.60	-5.21	589.48	574.14	-15.34	576.16	555.71	-20.45
06/01/90	574.29	568.43	-5.86	589.27	573.48	-15.79	577.01	552.59	-24.42
09/21/90	573.67	566.44	-7.23	578.80	570.98	-7.82	571.09	552.24	-18.85
12/21/90	573.83	568.49	-5.34	589.55	573.03	-16.52	571.37	552.96	-18.41
03/27/91	573.91	569.41	-4.50	Flooded	575.51	NA	577.78	556.31	-21.47
06/05/91	573.57	567.18	-6.39	585.36	568.64	-16.72	575.44	553.99	-21.45
09/26/91	573.03	566.47	-6.56	573.86	565.78	-8.08	568.94	551.83	-17.11
12/18/91	573.34	566.70	-6.64	572.13	566.78	-5.35	568.31	551.94	-16.37
03/19/92	573.77	568.11	-5.66	589.53	571.37	-18.16	573.48	553.56	-19.92
06/26/92	572.68	567.57	-5.11	583.92	571.75	-12.17	574.66	552.76	-21.90
09/28/92	573.89	567.82	-6.07	588.98	573.09	-15.89	573.45	553.56	-19.89
12/21/92	573.91	568.66	-5.25	589.57	574.24	-15.33	577.47	555.59	-21.88

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WELL NO.	CMW-1OB	CMW-1SH		CMW-2OB	CMW-2SH		CMW-3OB	CMW-3SH	
TYPE	O	R	Hydraulic	O	R	Hydraulic	O	R	Hydraulic
CASING EL.	576.12	576.68	Gradient	590.05	589.73	Gradient	582.79	582.74	Gradient
GROUND EL	576.8	577.3		591.5	591.2		583.4	583.5	
03/08/93	573.56	566.87	-6.69	587.90	571.78	-16.12	576.06	550.03	-26.03
06/16/93	573.84	566.55	-7.29	586.95	567.78	-19.17	575.42	549.95	-25.47
09/14/93	573.47	566.12	-7.35	578.59	571.19	-7.40	571.02	549.72	-21.30
12/21/93	573.54	566.23	-7.31	589.03	573.73	-15.30	571.47	550.40	-21.07
03/01/94	573.61	567.40	-6.21	589.01	571.78	-17.23	578.98	551.14	-27.84
05/10/94	573.61	567.40	-6.21	588.22	572.53	-15.69	576.58	549.80	-26.78
08/02/94	573.58	565.97	-7.61	585.90	569.02	-16.88	574.84	549.92	-24.92
11/01/94	573.08	565.43	-7.65	584.97	566.98	-17.99	571.24	549.34	-21.90
02/16/95	574.27	565.78	-8.49	588.80	568.03	-20.77	575.97	549.89	-26.08
05/11/95	574.32	566.48	-7.84	586.70	568.77	-17.93	577.59	549.03	-28.56
08/01/95	574.82	565.58	-9.24	581.07	568.43	-12.64	573.64	549.88	-23.76
11/02/95	574.82	565.98	-8.84	589.02	568.93	-20.09	570.21	549.78	-20.43
02/06/96	573.59	566.47	-7.12	588.67	569.67	-19.00	576.52	550.16	-26.36
05/01/96	573.87	567.36	-6.51	589.30	570.38	-18.92	577.91	551.84	-26.07
08/06/96	573.64	565.84	-7.80	582.11	568.19	-13.92	574.06	549.07	-24.99
11/05/96	573.97	566.64	-7.33	589.01	569.49	-19.52	571.99	549.28	-22.71
02/04/97	573.58	566.88	-6.70	589.02	569.50	-19.52	576.53	549.93	-26.60
05/06/97	573.44	567.14	-6.30	588.69	569.25	-19.44	576.25	550.20	-26.05
08/05/97	573.50	566.23	-7.27	583.71	567.23	-16.48	573.79	549.88	-23.91
11/04/97	575.12	566.28	-8.84	589.75	579.43	-10.32	570.44	550.64	-19.80
06/25/98	573.29	566.30	-6.99	582.09	566.68	-15.41	574.24	550.81	-23.43

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WELL NO.	CMW-4OB	CMW-4SH		CMW-5OB	CMW-5SH		CMW-6OB	CMW-6SH	
TYPE	O	R	Hydraulic	O	R	Hydraulic	O	R	Hydraulic
CASING EL.	574.85	574.97	Gradient	584.13	584.13	Gradient	572.55	572.68	Gradient
GROUND EL	575.7	575.6		584.70	584.70		573.4	573.3	
02/25/87	568.52	565.72	-2.80	579.11	577.65	-1.46	Dry	560.74	NA
03/05/87	568.60	566.76	-1.84	580.90	578.98	-1.92	569.40	562.14	-7.26
04/14/87	567.69	567.24	-0.45	581.27	579.41	-1.86	569.53	563.23	-6.30
05/05/87	567.84	566.22	-1.62	579.96	577.69	-2.27	569.61	562.76	-6.85
06/16/87	567.94	NM	NA	577.97	576.35	-1.62	569.84	562.36	-7.48
07/08/87	568.39	564.84	-3.55	577.66	576.14	-1.52	570.17	562.28	-7.89
08/06/87	569.48	565.05	-4.43	577.75	576.44	-1.31	571.34	562.63	-8.71
09/09/87	570.89	564.86	-6.03	578.04	576.19	-1.85	570.03	562.49	-7.54
10/08/87	572.00	NM	NA	NM	576.59	NA	570.54	562.14	NA
11/06/87	571.13	565.20	-5.93	578.46	576.57	-1.89	569.95	562.08	-7.87
12/18/87	573.34	566.39	-6.95	580.89	578.91	-1.98	572.42	562.75	-9.67
01/11/88	571.48	566.04	-5.44	579.20	577.60	-1.60	570.60	562.76	-7.84
02/08/88	570.82	566.14	-4.68	Frozen	577.67	NA	570.68	562.81	-7.87
03/08/88	572.61	566.44	-6.17	580.31	578.23	-2.08	570.81	562.88	-7.93
04/05/88	571.01	566.91	-4.10	580.96	578.84	-2.12	571.35	562.92	-8.43
05/03/88	570.72	566.52	-4.20	579.57	578.08	-1.49	570.09	562.82	-7.27
06/08/88	569.95	565.97	-3.98	578.30	576.72	-1.58	569.73	562.52	-7.21
07/20/88	571.46	565.07	-6.39	578.04	575.84	-2.20	571.44	562.13	-9.31
08/08/88	570.92	564.72	-6.20	577.63	575.13	-2.50	570.05	562.02	-8.03
09/09/88	570.33	564.07	-6.26	577.38	574.60	-2.78	569.40	561.92	-7.48
10/06/88	570.94	563.66	-7.28	576.99	574.14	-2.85	Dry	561.66	NA
11/04/88	574.29	564.49	-9.80	577.86	575.49	-2.37	569.95	562.97	-6.98
12/12/88	574.29	565.15	-9.14	577.71	575.90	-1.81	570.47	562.18	-8.29
03/28/89	Flooded	566.43	NA	580.82	578.36	-2.46	570.78	563.05	-7.73
06/08/89	Flooded	565.22	NA	580.11	577.88	-2.23	570.86	562.80	-8.06
09/02/89	574.34	563.64	-10.70	577.61	573.96	-3.65	569.78	561.85	-7.93
12/06/89	574.85	564.80	-10.05	578.61	576.71	-1.90	569.95	562.60	-7.35
03/22/90	Flooded	566.27	NA	581.87	578.93	-2.94	570.20	563.28	-6.92
06/01/90	Flooded	565.37	NA	580.63	577.98	-2.65	570.05	562.32	-7.73
09/21/90	Flooded	564.47	NA	577.38	574.78	-2.60	570.65	561.98	-8.67
12/21/90	Flooded	566.87	NA	579.63	577.93	-1.70	570.94	562.26	-8.68
03/27/91	Flooded	568.34	NA	581.25	579.35	-1.90	572.05	563.47	-8.58
06/05/91	Flooded	566.16	NA	577.93	576.68	-1.25	571.05	562.09	-8.96
09/26/91	Flooded	564.28	NA	NM	572.79	NA	NM	561.79	NA
12/18/91	Flooded	564.28	NA	578.49	575.89	-2.60	570.15	562.53	-7.62
03/19/92	Flooded	567.04	NA	579.94	577.75	-2.19	571.29	562.99	-8.30
06/26/92	Flooded	566.82	NA	578.12	576.49	-1.63	569.35	562.47	-6.88
09/28/92	Flooded	566.69	NA	578.28	576.83	-1.45	569.86	562.59	-7.27
12/21/92	Flooded	568.25	NA	581.36	579.51	-1.85	570.36	563.18	-7.18

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HYDE PARK LANDFILL

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WELL NO.	CMW-4OB	CMW-4SH		CMW-5OB	CMW-5SH		CMW-6OB	CMW-6SH	
TYPE	O	R	Hydraulic	O	R	Hydraulic	O	R	Hydraulic
CASING EL.	574.85	574.97	Gradient	584.13	584.13	Gradient	572.55	572.68	Gradient
GROUND EL	575.7	575.6		584.70	584.70		573.4	573.3	
03/08/93	Flooded	568.67	NA	583.61	579.59	-4.02	571.19	562.88	-8.31
06/16/93	Flooded	566.15	NA	578.53	577.10	-1.43	569.62	562.62	-7.00
09/14/93	Flooded	566.04	NA	577.10	573.90	-3.20	Dry	562.05	NA
12/21/93	Flooded	567.13	NA	579.11	577.36	-1.75	570.02	562.78	-7.24
03/01/94	574.68	567.82	-6.86	Flooded	578.51	NA	570.10	562.88	-7.22
05/10/94	Flooded	567.35	NA	579.83	577.63	-2.20	569.43	562.65	-6.78
08/02/94	Flooded	566.58	NA	577.99	576.42	-1.57	569.85	562.45	-7.40
11/01/94	Flooded	565.72	NA	577.20	569.58	-7.62	Dry	562.48	NA
02/16/95	574.85	566.32	-8.53	579.18	577.43	-1.75	571.46	562.45	-9.01
05/11/95	574.85	566.72	-8.13	577.93	577.05	-0.88	569.44	562.89	-6.55
08/01/95	574.85	566.05	-8.80	577.78	576.13	-1.65	569.32	562.41	-6.91
11/02/95	Flooded	566.41	NA	579.00	576.94	-2.06	570.22	562.42	-7.80
02/06/96	574.10	567.07	-7.03	580.05	577.28	-2.77	570.24	562.74	-7.50
05/01/96	Flooded	567.77	NA	580.95	579.08	-1.87	569.35	563.09	-6.26
08/06/96	Flooded	565.97	NA	577.38	575.72	-1.66	Dry	562.46	NA
11/05/96	Flooded	566.72	NA	578.77	577.01	-1.76	570.14	562.34	-7.80
02/04/97	Flooded	567.37	NA	579.49	577.88	-1.61	570.61	562.71	-7.90
05/06/97	Flooded	567.03	NA	578.95	577.69	-1.26	569.99	562.70	-7.29
08/05/97	-573.79	564.63	NA	577.38	575.18	-2.20	NM	562.08	NA
11/04/97	Flooded	566.77	NA	578.14	577.06	-1.08	570.25	562.20	-8.05
06/25/98	573.66	566.04	-7.62	577.55	575.91	-1.64	Dry	561.93	NA

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HYDE PARK LANDFILL

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WELL NO.	CMW-7OB	CMW-7SH		CMW-8OB	CMW-8SH	
TYPE	O	R	Hydraulic	O	R	Hydraulic
CASING EL.	611.38	611.16	Gradient	616.78	617.01	Gradient
GROUND EL	612.1	612.1		617.3	617.3	
02/25/87	606.17	599.33	-6.84	Dry	607.44	NA
03/05/87	606.18	600.24	-5.94	Dry	610.47	NA
04/14/87	Dry	602.78	NA	Dry	612.57	NA
05/05/87	Dry	599.85	NA	Dry	609.26	NA
06/16/87	Dry	587.33	NA	Dry	605.59	NA
07/08/87	Dry	599.09	NA	Dry	NM	NA
08/06/87	Dry	599.41	NA	Dry	605.48	NA
09/09/87	Dry	599.02	NA	Dry	NM	NA
10/08/87	Dry	599.45	NA	Dry	606.93	NA
11/06/87	Dry	599.08	NA	Dry	605.43	NA
12/18/87	606.18	600.76	-5.42	Dry	610.88	NA
01/11/88	606.11	599.49	-6.62	Dry	608.39	NA
02/08/88	Frozen	Frozen	NA	613.52	607.11	-6.41
03/08/88	606.16	599.80	-6.36	613.54	609.05	-4.49
04/05/88	Dry	600.40	NA	Dry	610.43	NA
05/03/88	Dry	599.76	NA	Dry	608.70	NA
06/08/88	Dry	599.15	NA	Dry	606.31	NA
07/20/88	Dry	598.58	NA	Dry	Plugged	NA
08/08/88	Dry	597.78	NA	Dry	Plugged	NA
09/09/88	Dry	597.00	NA	Dry	Plugged	NA
10/06/88	Dry	596.26	NA	Dry	Plugged	NA
11/04/88	Dry	597.43	NA	Dry	Plugged	NA
12/12/88	Dry	597.88	NA	Dry	Plugged	NA
03/28/89	Dry	599.24	NA	Dry	Plugged	NA
06/08/89	Dry	600.58	NA	Dry	610.51	NA
09/02/89	Dry	597.24	NA	Dry	Plugged	NA
12/06/89	Dry	599.12	NA	Dry	606.51	NA
03/22/90	Dry	601.56	NA	Dry	612.30	NA
06/01/90	Dry	600.21	NA	Dry	610.61	NA
09/21/90	Dry	598.31	NA	Dry	NM	NA
12/21/90	Dry	599.72	NA	Dry	607.49	NA
03/27/91	Dry	602.24	NA	Dry	613.43	NA
06/05/91	Dry	599.71	NA	Dry	607.91	NA
09/26/91	Dry	596.39	NA	Dry	NM	NA
12/18/91	Dry	598.90	NA	Dry	Dry	NA
03/19/92	Dry	599.78	NA	Dry	609.09	NA
06/26/92	Dry	599.53	NA	Dry	607.82	NA
09/28/92	Dry	599.98	NA	Dry	608.71	NA
12/21/92	Dry	602.86	NA	Dry	613.80	NA

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WELL NO.	CMW-7OB	CMW-7SH		CMW-8OB	CMW-8SH	
TYPE	O	R	Hydraulic	O	R	Hydraulic
CASING EL.	611.38	611.16	Gradient	616.78	617.01	Gradient
GROUND EL	612.1	612.1		617.3	617.3	
03/08/93	606.38	Buried	NA	Dry	609.40	NA
06/16/93	Dry	600.41	NA	Dry	609.88	NA
09/14/93	Dry	597.89	NA	Dry	605.01	NA
12/21/93	608.26	599.24	-9.02	Dry	Obstructed	NA
03/01/94	606.89	Obstructed	NA	Dry	610.59	NA
05/10/94	606.17	600.12	-6.05	Dry	610.03	NA
08/02/94	Dry	599.22	NA	Dry	607.45	NA
11/01/94	Obstructed	598.14	NA	Obstructed	605.53	NA
02/16/95	Obstructed	599.86	NA	612.93	599.81	-13.12
05/11/95	605.98	598.86	-7.12	613.47	606.11	-7.36
08/01/95	Dry	598.46	NA	Dry	Dry	NA
11/02/95	Dry	599.24	NA	Buried	Buried	NA
02/06/96	NM	NM	NA	NM	NM	NA
05/01/96	Dry	602.04	NA	613.47	612.29	-1.18
08/06/96	Dry	598.59	NA	Dry	605.20	NA
11/05/96	Dry	599.74	NA	Dry	607.82	NA
02/04/97	NM	599.81	NA	Dry	609.83	NA
05/06/97	Dry	599.60	NA	Dry	608.71	NA
08/05/97	Dry	NM	NA	Dry	NM	NA
11/04/97	Dry	598.96	NA	613.48	Dry	NA
06/25/98	Dry	598.46	NA	Dry	606.21	NA

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WELL NO. TYPE	MANHOLE			MANHOLE		
	CMW-9SH R	Hudson & Wyoming	Hydraulic	CMW-11SH R	Hudson & Garrett	Hydraulic
CASING EL.	572.59	572.33	Gradient	573.86	574.56	Gradient
GROUND EL	572.8	--		574.0	--	
02/25/87			NA			NA
03/05/87			NA			NA
04/14/87			NA			NA
05/05/87			NA			NA
06/16/87			NA			NA
07/08/87			NA			NA
08/06/87			NA			NA
09/09/87			NA			NA
10/08/87	560.83	559.68	-1.15	562.41	561.04	-1.37
11/06/87	560.82	559.83	-0.99	562.60	561.16	-1.44
12/18/87	561.48	560.06	-1.42	565.21	561.16	-4.05
01/11/88	560.83	559.80	-1.03	562.58	561.21	-1.37
02/08/88	560.86	559.85	-1.01	562.96	561.23	-1.73
03/08/88	560.98	559.89	-1.09	562.86	561.25	-1.61
04/05/88	561.19	559.91	-1.28	565.18	561.23	-3.95
05/03/88	561.01	559.79	-1.22	565.00	561.17	-3.83
06/08/88	560.72	559.70	-1.02	561.94	561.18	-0.76
07/20/88	560.70	559.75	-0.95	561.03	561.22	0.19
08/08/88	560.55	559.68	-0.87	560.80	561.17	0.37
09/09/88	560.55	559.70	-0.85	560.70	561.11	0.41
10/06/88	560.50	559.75	-0.75	560.55	561.24	0.69
11/04/88	560.58	559.93	-0.65	560.90	561.41	0.51
12/12/88	560.53	559.70	-0.83	563.17	561.28	-1.89
03/28/89	560.96	Frozen	NA	565.42	Frozen	NA
06/08/89	560.94	NM	NA	565.26	NM	NA
09/02/89	560.51	NM	NA	560.63	NM	NA
12/06/89	560.55	NM	NA	565.11	NM	NA
03/22/90	560.87	NM	NA	NM	NM	NA
06/01/90	560.64	NM	NA	NM	NM	NA
09/21/90	560.53	NM	NA	561.01	NM	NA
12/21/90	560.87	NM	NA	565.21	NM	NA
03/27/91	561.84	NM	NA	565.76	NM	NA
06/05/91	560.44	NM	NA	561.29	NM	NA
09/26/91	560.59	559.91	-0.68	564.25	Not Found	NA
12/18/91	560.46	Frozen	NA	564.29	Not Found	NA
03/19/92	569.39	560.03	-9.36	565.48	561.43	-4.05
06/26/92	569.49	559.86	-9.63	562.60	561.23	-1.37
09/28/92	569.49	559.83	-9.66	565.13	561.28	-3.85
12/21/92	569.49	559.85	-9.64	565.68	561.32	-4.36

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WELL NO. TYPE	MANHOLE			MANHOLE		
	CMW-9SH	Hudson & Wyoming	Hydraulic	CMW-11SH	Hudson & Garrett	Hydraulic
CASING EL.	572.59	572.33	Gradient	573.86	574.56	Gradient
GROUND EL	572.8	--		574.0	--	
03/08/93	569.49	559.93	-9.56	565.03	561.31	-3.72
06/16/93	569.59	559.93	-9.66	563.76	561.46	-2.30
09/14/93	569.29	559.76	-9.53	560.89	NM	NA
12/21/93	569.59	559.92	-9.67	563.73	561.31	-2.42
03/01/94	560.66	559.71	-0.95	563.54	561.35	-2.19
05/10/94	560.53	559.78	-0.75	563.50	561.39	-2.11
08/02/94	Obstructed	559.78	NA	563.39	NM	NA
11/01/94	Obstructed	NM	NA	560.94	NM	NA
02/16/95	Obstructed	Dry	NA	563.75	561.31	-2.44
05/11/95	Obstructed	Dry	NA	563.20	561.28	-1.92
08/01/95	Obstructed	559.83	NA	561.08	561.22	0.14
11/02/95	560.56	559.82	-0.74	565.10	561.32	-3.78
02/06/96	560.61	559.93	-0.68	565.28	561.38	-3.90
05/01/96	560.85	559.87	-0.98	565.46	561.28	-4.18
08/06/96	560.31	Dry	NA	560.77	561.05	0.28
11/05/96	560.46	558.99	-1.47	564.69	562.16	-2.53
02/04/97	560.74	559.91	-0.83	565.16	561.34	-3.82
05/06/97	560.63	559.89	-0.74	565.18	561.06	-4.12
08/05/97	NM	560.19	NA	560.58	561.28	0.70
11/04/97	Obstructed	559.43	NA	562.86	561.06	-1.80
06/25/98	Obstructed	NM	NA	560.59	NM	NA

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