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915053

MARCH, 1996
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IRM MONITORING AND MAINTENANCE REPORT
ANNUAL REPORT 1995-1996
STRIPPIT, INC.
AKRON, NEW YORK
NYSDEC SITE NUMBER 9-15-053

Prepared by: Day Environmental, Inc.
2144 Brighton-Henrietta Town Line Road
Rochester, New York 14623

Prepared for: Strippit, Inc.
A Unit of IDEX Corporation
12975 Clarence Center Road
Akron, New York 14001

Date: March, 1996

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1.0 INTRODUCTION

Strippit, Inc., a Unit of IDEX Corporation (Strippit), has implemented an Interim Remedial Measure (IRM) approved by the New York State Department of Environmental Conservation (NYSDEC) at a former disposal area (Site) located south of their facility at 12975 Clarence Center Road in Akron, New York (see Locus Plan, Figure 1). As outlined in the NYSDEC's March 1995 Record of Decision (ROD), post-closure monitoring and maintenance is required at the Site to evaluate the effectiveness of the IRM. Specific post-closure monitoring and maintenance requirements are outlined in a document prepared by Day Engineering, P.C. titled Post-Closure Monitoring and Maintenance Plan; Interim Remedial Measure; Strippit, inc.; Akron, New York dated February 1995. The above was reviewed and approved by the NYSDEC prior to implementation.

This annual report summarizes the results of the four quarterly sample rounds completed at the Site on April 11, 1995, July 12, 1995, October 16, 1995 and January 22, 1996, includes a statistical evaluation of data collected during these rounds to compare downgradient concentrations to upgradient concentrations. This report also includes a discussion of groundwater flow conditions, the results of the January 22, 1996 inspection of the Site and a discussion of the long-term groundwater monitoring completed within the last year.

2.0 GROUNDWATER SAMPLING PROCEDURES

Generally, groundwater samples were collected in accordance with the procedures outlined in the approved post-closure monitoring and maintenance plan. A site plan, showing the location of the monitoring wells is included as Figure 2. Groundwater sampling initially included the measurement of static water levels in each of the wells (designated GW-1 through GW-5). Following these measurements, water was purged from each well using a dedicated bailer. Typically the wells were purged until a volume of water equal to approximately three well casings was removed or until the wells were dry. The wells were then allowed to recover so that "fresh" water was retained for testing.

Groundwater samples were collected for testing using a dedicated bailer which is permanently stored above the water within each well casing. Each of the samples collected for subsequent testing was given a unique field sample code. A typical code is shown below.

0532-01226-GW1

Where:

0532	=	job designation
01226	=	sample date
GW1	=	sample location

The analytical laboratory also assigned lab numbers to each of the samples to track the samples throughout the testing process (refer to the analytical laboratory report for the January 22, 1996 sample round included in Appendix A).

The initial groundwater samples collected from each well were tested in the field for the following parameters using the equipment listed below.

- pH: Cole-Parmer Model 05985-80 Digi-Sensit pH Meter
- Specific conductance and temperature: Cole-Parmer Model 1481-5 Conductivity/Temperature Meter
- Turbidity: LaMotte Model 2008 Turbidity Meter [Note: This equipment malfunctioned during the January 22, 1996 sample round and turbidity measurements could not be made.]

Following the field testing, samples were collected for analytical testing. These samples were placed in pre-cleaned sample containers provided by the analytical laboratory. The analytical laboratory added necessary preservatives to the containers before they were delivered to the Site.

The containers for volatile organic compound (VOC) testing were filled first. The remaining sample containers were filled by placing approximately equal amounts of sample from the bailer into each sample container until the container was filled. When the containers were filled they were placed in a plastic cooler containing ice and stored in a locked field vehicle until they were picked up by the analytical laboratory for testing. Chain-of-custody documentation was maintained throughout the sample collection process. Copies of the executed chain-of-custody forms for the January 22, 1996 sample round are included with the test results in Appendix A.

Executed copies of the monitoring well sample logs for the January 22, 1996 sample round are included in Appendix B (documentation for previous rounds was submitted in earlier quarterly reports). These logs summarize in-situ measurements, groundwater depths, purging information and other relative data.

3.0 GROUNDWATER ELEVATIONS AND FLOW PATTERNS

During each sample round, the depth to groundwater was measured from a monitoring point elevation established on the top of each well casing using an electronic tape water level indicator. The groundwater depths and elevations measured during each of the sample rounds are included on the table in Appendix C.

Groundwater contour maps for the April 11, 1995 sample round (i.e., seasonally high groundwater elevations) and the October 16, 1995 sample round (i.e., seasonally low groundwater elevations) are included as Figures 3 and 4, respectively. As indicated by the contour maps, monitoring wells GW-2 and GW-5 are located in apparent upgradient positions and the remaining wells (GW-1, GW-3 and GW-4) are located in downgradient positions relative to the IRM fill area and wells GW-2 and GW-5. As depicted on Figures 3 and 4, the direction of groundwater flow is generally to the north (i.e., towards GW-4) and the northwest (i.e., towards GW-1 and GW-3).

4.0 ANALYTICAL LABORATORY RESULTS

During the January 22, 1996 sample round, groundwater samples were collected from each of the five monitoring wells (i.e., GW-1 through GW-5). A duplicate sample, designated "DUP", was collected from monitoring well GW-3. A trip blank, designated "TRIP", was prepared by the analytical laboratory and handled/transported similarly to the other test samples. Also during this sample round a matrix spike sample, designated MS, and a matrix spike duplicate sample, designated MSD, were also collected from monitoring well GW-3. Testing of the MS and MSD samples indicated that the concentrations measured were within acceptable limits (see laboratory report in Appendix A). All samples were analyzed by ACTS Testing Labs, Inc. (ACTS) of Buffalo, New York for the following parameters.

- TCL Volatile Organic Compounds via USEPA Method 8240
- TCL Semi-Volatile Organic Compounds (acid extractable fraction) via USEPA Method 8270
- Total and Soluble Barium, Cyanide, Iron, Magnesium and Manganese via applicable procedures listed in "Standard Methods for the Examination of Water and Wastewater," 17th Edition, 1989

Each sample was analyzed for the complete list of parameters presented above, except the trip blank which was only analyzed for TCL VOCs. ACTS filtered a portion of unpreserved sample from each test location using a 2-micron filter to create the "soluble" sample for testing. As required by the post-closure monitoring and maintenance plan, ACTS provided Category A deliverables in accordance with NYSDEC Analytical Services Protocols (ASP), September 1989 (revised 12/91). A copy of ACTS report for the samples collected on January 22, 1996 is included in Appendix A.

Field and analytical test parameters measured above applicable detection limits reported by the analytical laboratory during any of the quarterly sample rounds and applicable mean and standard deviation values for these parameters are summarized in the tables presented in Appendix C. Groundwater elevations measured during each sample round are also included on these tables.

5.0 SITE INSPECTION REPORT JANUARY 22, 1996 SAMPLE ROUND

A copy of the site inspection report completed during the January 22, 1996 sample round is included in Appendix D. Copies of photographs, showing the condition of the Site at the time of the inspection are also included in Appendix D.

6.0 DISCUSSION

Groundwater level measurements made during the January 22, 1996 sample round range from about 2.5 feet (GW-4) to 3.2 feet (GW-5) higher than those measured during the October 16, 1995 sample round (i.e., the lowest groundwater elevations measured during the quarterly sample rounds); water levels measured during the January 22, 1996 sample round ranged from about 0.6 feet (GW-1) to 1.4 feet (GW-4) less than those measured in April, 1995 (i.e., the highest groundwater elevations measured during the four quarterly sample rounds). Despite the variation in groundwater elevations, the pattern of groundwater flow was similar in each of the four sample rounds (i.e., flow towards the north-northwest; refer to Figures 3 and 4).

A review of the mean concentrations for the detected parameters indicates that the majority of the inorganic compounds detected were measured at concentrations below Class GA standards established in 6 NYCRR Parts 700-705 for potable groundwater supplies. Mean values exceeding these standards include total iron in all wells and soluble iron in wells GW-1, GW-3, GW-4 and GW-5. The mean values for total manganese exceed Class GA standards in GW-3 and GW-5 but soluble concentrations and the remaining total concentrations were less than the Class GA standards. The mean concentration for total magnesium exceed Class GA standards in wells GW-1, GW-3, GW-4 and GW-5. Only the mean concentrations of soluble magnesium in wells GW-1 and GW-4 exceed Class GA standards. The mean concentration of methylene chloride in wells GW-1 and GW-2 and the mean phenol concentration in GW-2 exceed the Class GA standards. No mean concentration for other volatile organic compounds or semi-volatile organic compounds exceed the Class GA standards. The mean pH values measured in the upgradient wells (GW-2 and GW-5) are elevated (i.e., they exceed 8.5 standard units). However, elevated pH values were not measured in downgradient wells. The source of these elevated readings is unknown, but apparent bentonite was observed on the bailer when GW-2 was purged during the October 16, 1995 sample round. It is possible that the bentonite could have been the source of the elevated pH values. The bentonite could have been accidentally placed in this well when it was installed or extended during cap construction.

To assess groundwater quality variations at the Site, the mean concentrations for parameters detected in upgradient wells (i.e., GW-2 and GW-5) were initially compared to the mean concentrations of detected compounds in downgradient wells (i.e., GW-1, GW-3 and GW-4). To complete this evaluation, the upgradient wells were grouped to establish a single "background" concentration for each of the detected paramenters and this background value was compared to the mean concentrations in each of the downgradient wells. This comparison indicates that the mean concentration in the downgradient wells for the following parameters exceed the background concentration:

- total and soluble magnesium in GW-1, GW-3 and GW-4;
- total manganese in wells GW-3 and GW-4;
- soluble manganese in wells GW-1 and GW-3;
- toluene in well GW-3;
- 2-butanone in well GW-3;
- methylene chloride in well GW-1;
- m,p-xylenes in wells GW-3 and GW-4.

The mean concentration of the other detected compounds in the downgradient wells is less than or comparable to background concentrations.

To evaluate if the apparent increase in the above downgradient wells is statistically significant, a Student's T-test at the 0.05 level of significance was completed. Generally, this test included the comparison of the background concentration calculated for wells GW-2 and GW-5 to the mean concentrations for the above parameters/wells utilizing the following:

$$t = \frac{\overline{X}_1 - \overline{X}_2}{s\,(1/n)^{1/2}}$$

Where the background concentration ($\overline{X}_1$) is compared to the mean concentration in downgradient wells ($\overline{X}_2$) and s is the standard deviation and n is the number of samples from the downgradient sample set. If t is greater than a published critical value of t (based on the degrees of freedom, n - 1 and $\alpha = 0.05$), the increase in the downgradient wells is considered to be statistically significant.

The results of the t-tests indicate that the increases in the mean concentration of total and soluble magnesium are statistically significant. The increase in the mean concentration of total manganese in GW-4 is statistically significant, however, the increase in the mean concentration of soluble manganese is not statistically significant. All of the other compounds evaluated during the t-testing were determined not to be statistically significant.

Based upon the above evaluation, magnesium (and potentially manganese in well GW-4) appears to have caused a degradation of groundwater quality in positions downgradient of the Site. It is recommended that these compounds be evaluated during subsequent sample rounds to determine if increasing trends of groundwater degradation are evident. It is also recommended that the groundwater monitoring program be evaluated to eliminate parameters which are typically not detected and/or detected at consistently low concentrations (e.g., cyanide, semi-volatile organic compounds, etc.).

Monitoring of the IRM closure, during the January 22, 1996 sample round, indicates that the cap system is in relatively good condition. While some portions of the cap were covered with snow, the grass cover appeared to be generally well established on the side slopes and on the top of the cap (refer to the inspection report and photographs in Appendix D).

Areas of minor erosion and cracking noted during earlier inspections have been filled with topsoil and seeded. These included an area along the northern slope (i.e., in proximity to the gas line connecting the gas well to the condenser tank) and an area to the northeast of the Site (i.e., presumably the location of a gas pipeline installed to connect a nearby gas well to Strippit's system). Evidence of new growth was not apparent in the areas that were re-seeded and it is recommended that these areas be inspected in the spring and repaired as necessary. Areas of minor erosion were also observed along some of the perimeter drainage paths. This erosion should be also be assessed in the spring and repaired as necessary.

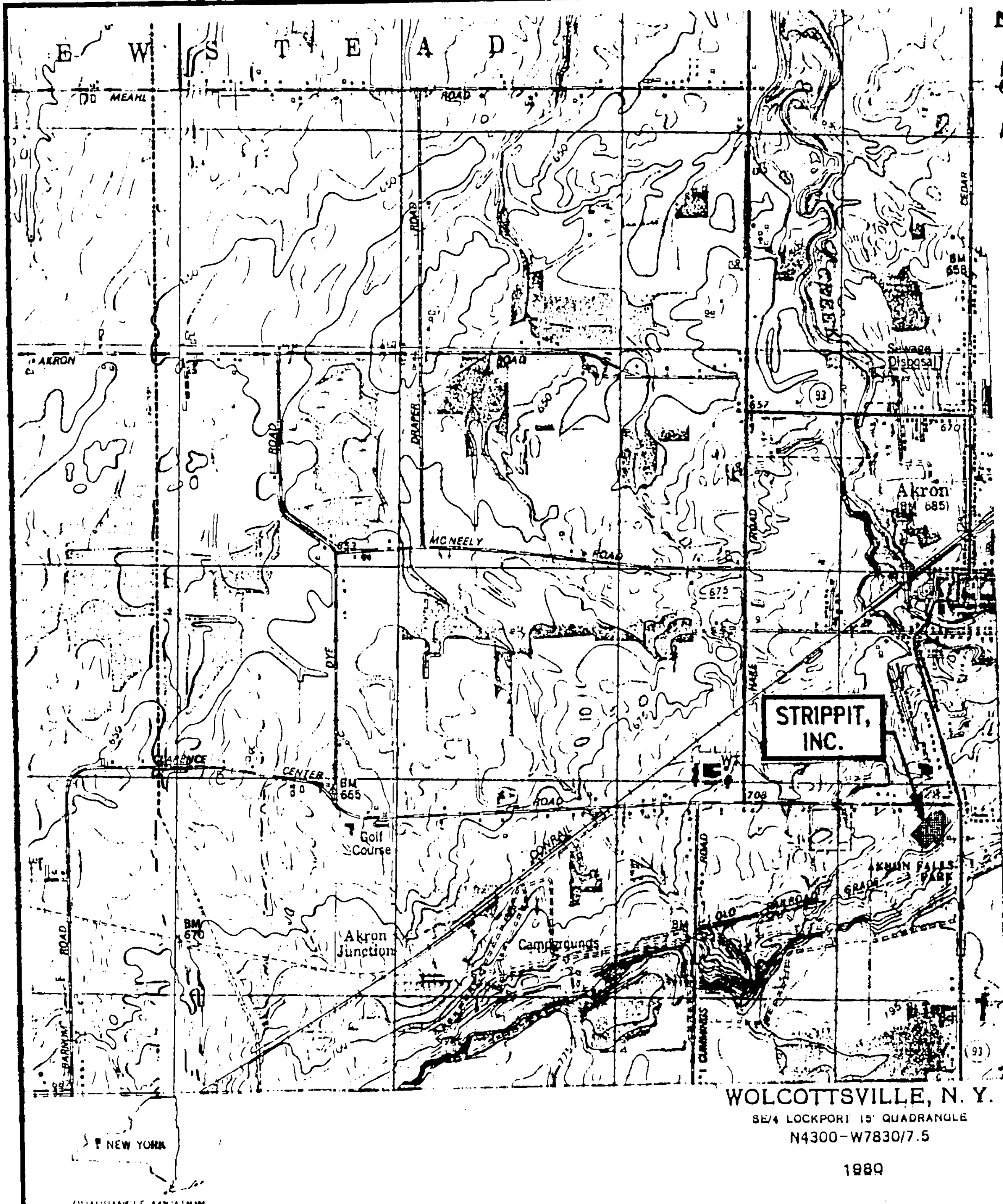
The monitoring wells and the gas well are in relatively good condition. The surface seal for monitoring well GW-3 was repaired following the October, 1995 sample round. Inspection of this repair during the January 22, 1996 sample round indicated that this seal has been adequately repaired.

FIGURE 1

LOCUS PLAN

TIME PLOTTED: MON OCT 3 14:00:00 1994
FILENAME: OMFIG_1

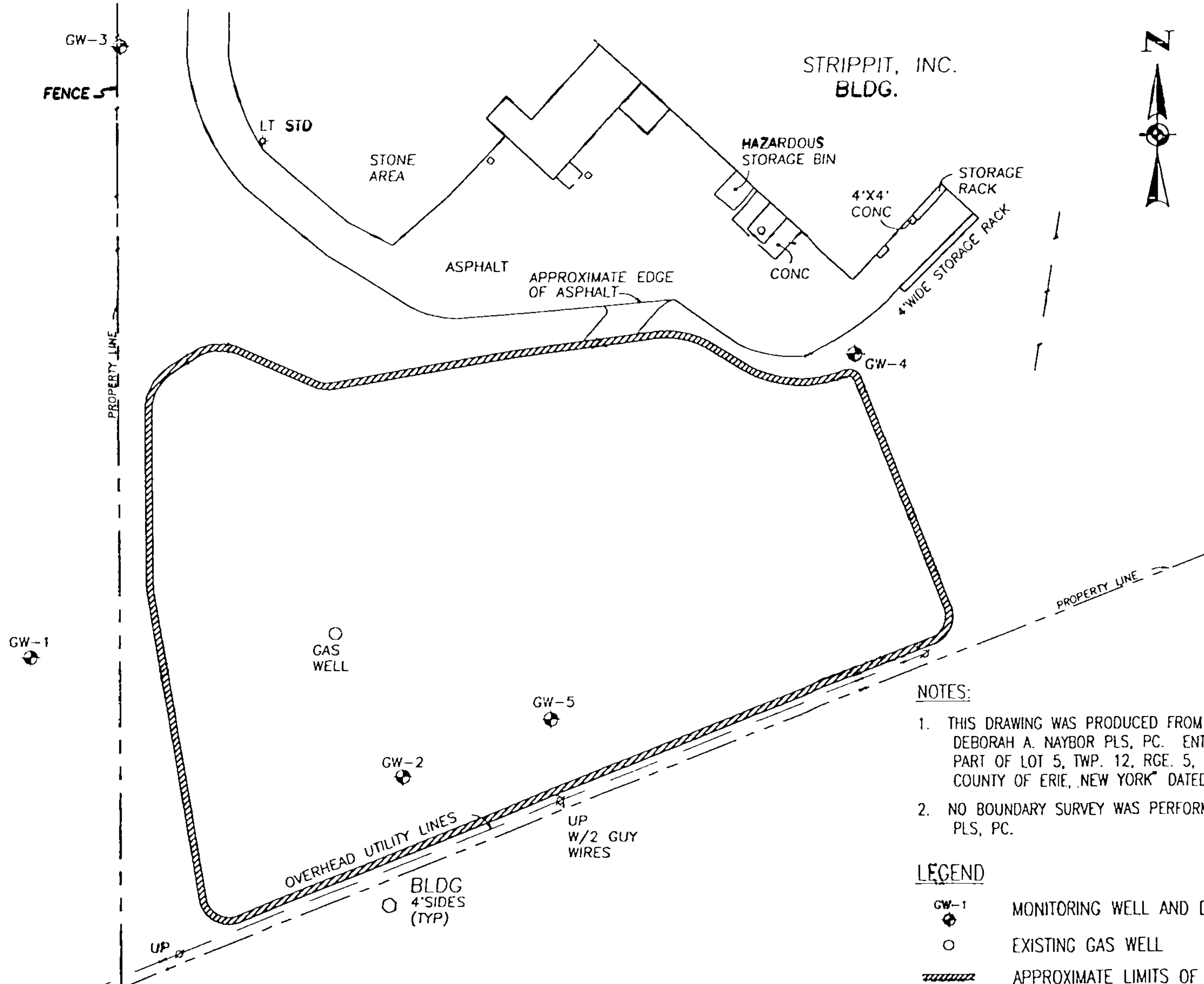
REF1: REF1
REF2: REF2
REF3: REF3



PROJECT NO. 94-2430R FIGURE 1	PROJECT TITLE STRIPPIT, INC. 12975 CLARENCE CENTER ROAD AKRON, NEW YORK DRAWING TITLE LOCUS PLAN	DAY ENGINEERING, P.C. *ENVIRONMENTAL ENGINEERING CONSULTANTS* *ROCHESTER, NEW YORK*	DATE 10/3/94 DRAWN BY JJD SCALE 1" = 2000'

FIGURE 2

SITE PLAN



NOTES:

1. THIS DRAWING WAS PRODUCED FROM A DRAWING PROVIDED BY: DEBORAH A. NAYBOR PLS, PC. ENTITLED "TOPOGRAPHIC MAP PART OF LOT 5, TWP. 12, RGE. 5, SEC. 6, TOWN OF NEWSTEAD COUNTY OF ERIE, NEW YORK" DATED 3/4/93 & REVISED 3/26/93.
2. NO BOUNDARY SURVEY WAS PERFORMED BY DEBORAH A. NAYBOR PLS, PC.

LEGEND

GW-1	MONITORING WELL AND DESIGNATION
○	EXISTING GAS WELL
	APPROXIMATE LIMITS OF FORMER DISPOSAL AREA

DESIGNED BY RLK	DATE 10/3/94
DRAWN BY JJD	DATE DRAWN 10/3/94
SCALE 1"=60'	DATE ISSUED 12/1/94

DAY ENGINEERING, P.C.
ENVIRONMENTAL ENGINEERING CONSULTANTS
ROCHESTER, NEW YORK

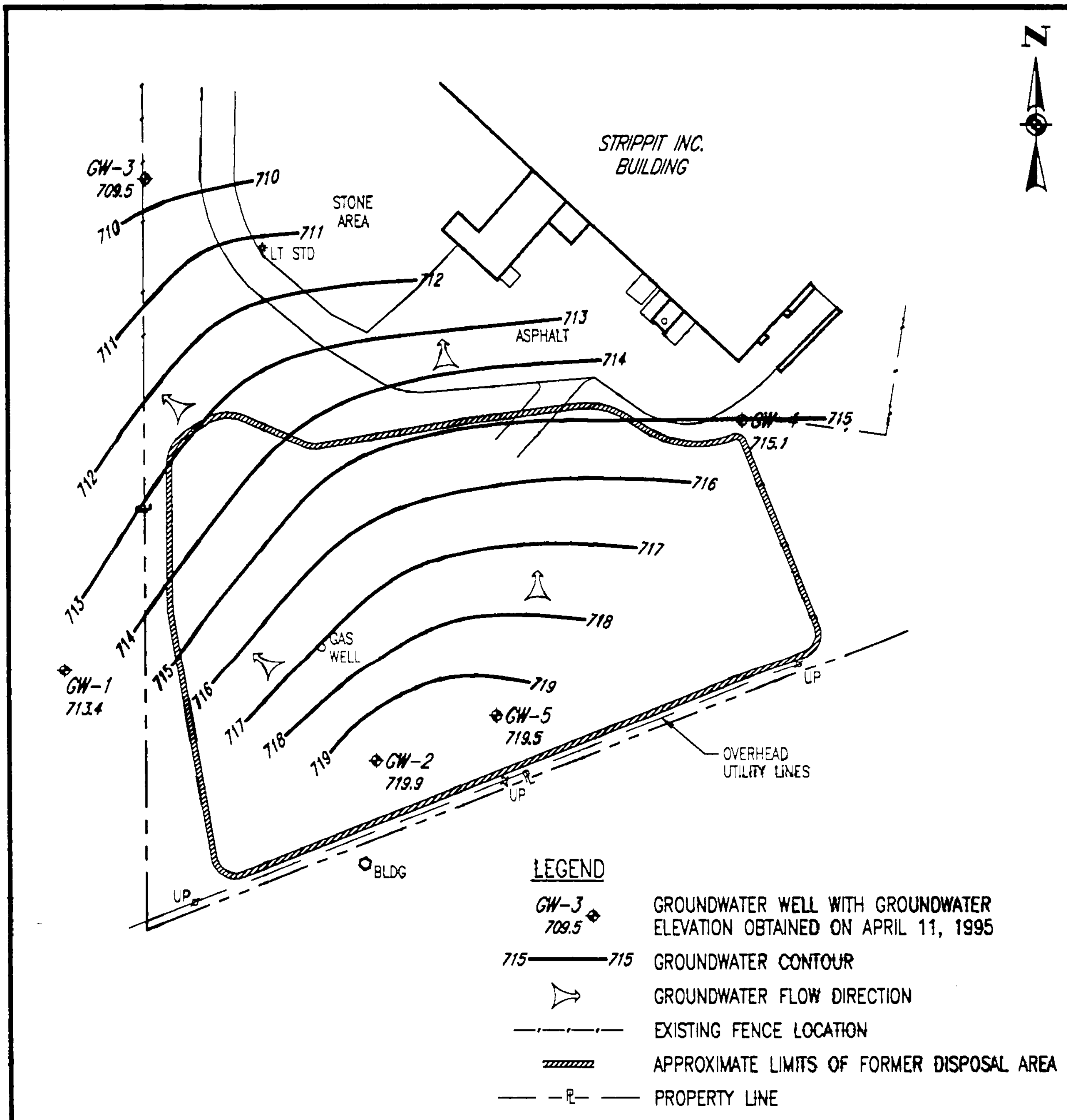
PROJECT TITLE
STRIPPIT, INC.
12975 CLARENCE CENTER ROAD
AKRON, N.Y.

DRAWING TITLE
SITE LOCATION MAP

PROJECT NO.
94-2430R
FIGURE
2

FIGURE 3

GROUNDWATER CONTOUR MAP: APRIL 11, 1995



NOTES:

1. THIS DRAWING WAS PRODUCED FROM A DRAWING PROVIDED BY: DEBORAH A. NAYBOR PLS, PC. ENTITLED "TOPOGRAPHIC MAP PART OF LOT 5, TWP. 12, RGE 5, SEC. 6, TOWN OF NEWSTEAD, COUNTY OF ERIE, NEW YORK" DATED 3/4/93 & REVISED 3/2/93.
2. NO BOUNDARY SURVEY WAS PERFORMED BY DEBORAH A. NAYBOR PLS, PC.

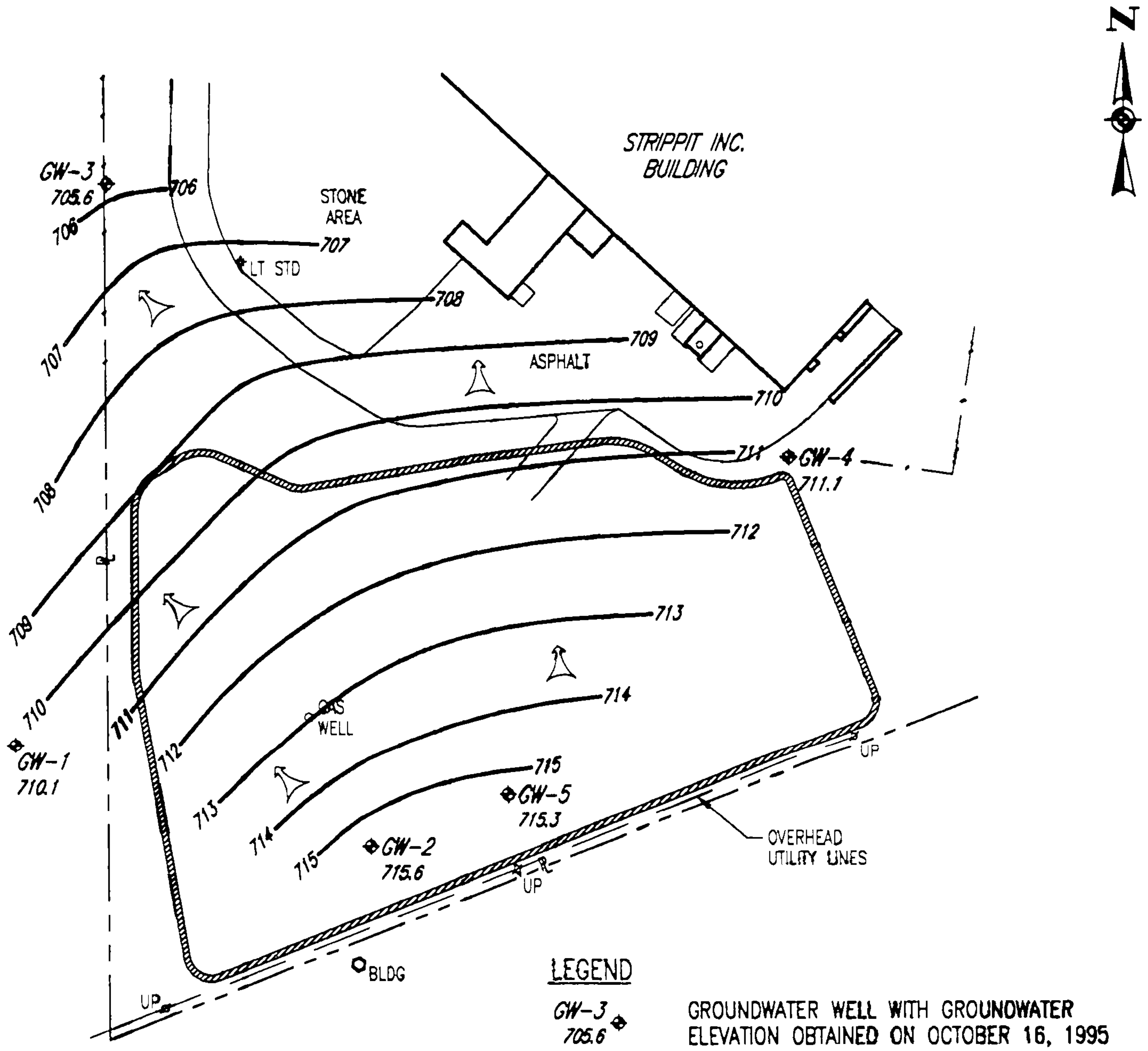
PROJECT NO. 94-2430R FIGURE 3 SHEET 1 OF 1	PROJECT TITLE STRIPPIT, INC. 12975 CLARENCE CENTER ROAD AKRON, NEW YORK DRAWING TITLE GROUNDWATER CONTOUR MAP: APRIL 11, 1995	DAY ENGINEERING, P.C. ENVIRONMENTAL ENGINEERING CONSULTANTS ROCHESTER, NEW YORK	DATE 3/8/96 DRAWN BY RJM SCALE 1" = 100'

FIGURE 4

GROUNDWATER CONTOUR MAP: OCTOBER 16, 1995

TIME PLOTTED: FRI MAR 8, 10:05:00 1996
FILENAME: STRIP211

REF1: BORDER7
REF2: REF2
REF3: REF3



LEGEND

GW-3 705.6	GROUNDWATER WELL WITH GROUNDWATER ELEVATION OBTAINED ON OCTOBER 16, 1995
712——712	GROUNDWATER CONTOUR
	GROUNDWATER FLOW DIRECTION
—·—·—	EXISTING FENCE LOCATION
	APPROXIMATE LIMITS OF FORMER DISPOSAL AREA
— —℞— —	PROPERTY LINE

NOTES:

1. THIS DRAWING WAS PRODUCED FROM A DRAWING PROVIDED BY: DEBORAH A. NAYBOR PLS, PC. ENTITLED "TOPOGRAPHIC MAP PART OF LOT 5, TWP. 12, RGE 5, SEC. 6, TOWN OF NEWSTEAD, COUNTY OF ERIE, NEW YORK" DATED 3/4/93 & REVISED 3/2/93.
2. NO BOUNDARY SURVEY WAS PERFORMED BY DEBORAH A. NAYBOR PLS, PC.

PROJECT NO. 94-2430R	PROJECT TITLE STRIPPIT, INC. 12975 CLARENCE CENTER ROAD AKRON, NEW YORK	DAY ENGINEERING, P.C. ENVIRONMENTAL ENGINEERING CONSULTANTS ROCHESTER, NEW YORK	DATE 3/8/96
FIGURE 4	DRAWING TITLE GROUNDWATER CONTOUR MAP: OCTOBER 16, 1995		DRAWN BY RJM
SHEET 1 OF 1			SCALE 1" = 100'

APPENDIX A

ACTS TESTING LABS, INC
REPORT & CHAIN-OF-CUSTODY DOCUMENTATION
JANUARY 22, 1996 SAMPLE ROUND

ACTS TESTING LABS, INC.
3916 Broadway
Buffalo, NY 14227-1104
Tel (716) 684-3300
Fax (716) 684-3303

February 8, 1996

ELAP ID# 10247

Technical Report #6B-00630E
Project Name: Strippit: Long Term Monitoring
Porject # 0532R-95

Mr. Ray Kampff
DAY ENVIRONMENTAL, INC.

SUBJECT:

Analyses of nine (9) water samples for various parameters. The samples were received on January 22, 1996.

RESULTS:

See Pages Two through Seven.

EXPERIMENTAL:

Volatile Organics in water were determined according to United States Environmental Protection Agency Method 8240: Volatile Organics.

Semi-volatile Organics in water were determined according to United States Environmental Protection Agency Method 8270: Semi-volatile Organics.

The remaining analyses were determined according to procedures listed in "Standard Methods for the Examination of Water and Wastewater," 17th Edition, 1989.

ACTS TESTING LABS, INC.
Charles E. Hartke CDB
Charles E. Hartke
Manager, Chemistry Laboratory

ACTS TESTING LABS, INC.
Elizabeth R. Hausler
Elizabeth R. Hausler, Supervisor
Gas Chromatography Laboratory

ACTS TESTING LABS, INC.
Lisa M. Clerici
Lisa M. Clerici, Supervisor
Wet Chemistry Laboratory

cme

ACTS TESTING LABS

RESULTS:

	ACTS #6B-00630E 0532R-01226-GW1	ACTS #6B-00631E 0532R-01226-GW2	ACTS #6B-00632E 0532R-01226-GW3
pH	9.07	12.23	8.44
Barium, Soluble	0.12	0.15	0.09
Barium, Total	0.13	0.18	0.09
Cyanide, Soluble	< 0.010	< 0.010	< 0.010
Cyanide, Total	< 0.010	< 0.010	< 0.010
Iron, Soluble	8.24	0.43	3.33
Iron, Total	8.34	1.26	4.35
Magnesium, Soluble	66.8	1.01	33.7
Magnesium, Total	68.8	1.36	34.5
Manganese, Soluble	0.23	0.03	0.20
Manganese, Total	0.24	0.04	0.22

	ACTS #6B-00633E 0532R-01226-GW4	ACTS #6B-00634E 0532R-01226-GW5	ACTS #6B-00635E 0532R-01226-DUP
pH	9.07	11.54	8.39
Barium, Soluble	0.11	0.18	0.08
Barium, Total	0.13	0.23	0.09
Cyanide, Soluble	< 0.010	< 0.010	< 0.010
Cyanide, Total	< 0.010	< 0.010	< 0.010
Iron, Soluble	8.32	24.8	2.71
Iron, Total	9.85	34.3	3.83
Magnesium, Soluble	47.9	33.5	30.2
Magnesium, Total	49.4	42.5	30.4
Manganese, Soluble	0.20	0.57	0.18
Manganese, Total	0.24	0.76	0.20

Results are reported as milligrams per liter (mg/L).

	ACTS #6B-00637E 0532R-01226-MS	ACTS #6B-00638E 0532R-01226-MSD
Barium, Soluble	97.0	96.0
Barium, Total	94.0	101
Cyanide, Soluble	90.9	115
Cyanide, Total	101	110
Iron, Soluble	107	112
Iron, Total	117	115
Magnesium, Soluble	100	108
Magnesium, Total	101	97.5
Manganese, Soluble	102	101
Manganese, Total	98.0	106

Results are reported as percent (%).

ACTS
TESTING LABS

TCL SEMI VOLATILES	ACTS #6B-00630E 0532R-01226-GW1	ACTS #6B-00631E 0532R-01226-GW2	ACTS #6B-00632E 0532R-01226-GW3
Phenol	< 1.0	3.0	< 1.0
2-Chlorophenol	< 1.0	< 1.0	< 1.0
2-Methylphenol	< 1.0	< 1.0	< 1.0
4-Methylphenol	< 1.0	< 1.0	< 1.0
2-Nitrophenol	< 1.0	< 1.0	< 1.0
2,4-Dimethylphenol	< 1.0	< 1.0	< 1.0
2,4-Dichlorophenol	< 1.0	< 1.0	< 1.0
4-Chloro-3-methylphenol	< 1.0	< 1.0	< 1.0
2,4,6-Trichlorophenol	< 5.0	< 5.0	< 5.0
2,4,5-Trichlorophenol	< 5.0	< 5.0	< 5.0
2,4-Dinitrophenol	< 1.0	< 1.0	< 1.0
4-Nitrophenol	< 10.0	< 10.0	< 10.0
4,6-Dinitro-2-methylphenol	< 2.0	< 2.0	< 2.0
Pentachlorophenol	< 1.0	< 1.0	< 1.0

	ACTS #6B-00633E 0532R-01226-GW4	ACTS #6B-00634E 0532R-01226-GW5	ACTS #6B-00635E 0532R-01226-DUP
Phenol	< 1.0	< 1.0	< 1.0
2-Chlorophenol	< 1.0	< 1.0	< 1.0
2-Methylphenol	< 1.0	< 1.0	< 1.0
4-Methylphenol	< 1.0	< 1.0	< 1.0
2-Nitrophenol	< 1.0	< 1.0	< 1.0
2,4-Dimethylphenol	< 1.0	< 1.0	< 1.0
2,4-Dichlorophenol	< 1.0	< 1.0	< 1.0
4-Chloro-3-methylphenol	< 1.0	< 1.0	< 1.0
2,4,6-Trichlorophenol	< 5.0	< 5.0	< 5.0
2,4,5-Trichlorophenol	< 5.0	< 5.0	< 5.0
2,4-Dinitrophenol	< 1.0	< 1.0	< 1.0
4-Nitrophenol	< 10.0	< 10.0	< 10.0
4,6-Dinitro-2-methylphenol	< 2.0	< 2.0	< 2.0
Pentachlorophenol	< 1.0	< 1.0	< 1.0

Results are reported as micrograms per liter (ug/L).

	ACTS #6B-00637E 0532R-01226-MS	ACTS #6B-00638E 0532R-01226-MSD
Phenol	40.0	46.0
2-Chlorophenol	83.0	90.0
2-Methylphenol	73.0	80.0
4-Methylphenol	67.0	75.0
2-Nitrophenol	100	110
2,4-Dimethylphenol	70.0	71.0
2,4-Dichlorophenol	89.0	90.0
4-Chloro-3-methylphenol	90.0	91.0
2,4,6-Trichlorophenol	82.0	83.0
2,4,5-Trichlorophenol	96.0	96.0
2,4-Dinitrophenol	86.0	85.0
4-Nitrophenol	54.0	58.0
4,6-Dinitro-2-methylphenol	100	100
Pentachlorophenol	60.0	59.0

Results are reported as percent (%).

ACTS TESTING LABS

TCL VOLATILES	ACTS #6B-00630E 0532R-01226-GW1	ACTS #6B-00631E 0532R-01226-GW2	ACTS #6B-00632E 0532R-01226-GW3
Dichlorodifluoromethane	< 0.5	< 0.5	< 0.5
Chloromethane	< 0.5	< 0.5	< 0.5
Vinyl Chloride	< 0.5	< 0.5	< 0.5
Bromomethane	< 0.5	< 0.5	< 0.5
Chloroethane	< 0.5	< 0.5	< 0.5
1,1-Dichloroethene	< 0.5	< 0.5	< 0.5
Acetone	6.0	24.0	< 5.0
Carbon Disulfide	< 0.5	< 0.5	< 0.5
Methylene Chloride	< 5.0	10.0	< 5.0
trans-1,2-Dichloroethene	< 0.5	< 0.5	< 0.5
1,1-Dichloroethane	< 0.5	< 0.5	< 0.5
Chloroform	< 0.5	0.6	< 0.5
1,2-Dichloroethane	< 0.5	< 0.5	< 0.5
2-Butanone	0.5	2.0	< 0.5
1,1,1-Trichloroethane	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	< 0.5	< 0.5	< 0.5
Benzene	< 0.5	< 0.5	< 0.5
Trichloroethene	< 0.5	< 0.5	< 0.5
1,2-Dichloropropane	< 0.5	< 0.5	< 0.5
Bromodichloromethane	< 0.5	< 0.5	< 0.5
cis-1,3-Dichloropropene	< 0.5	< 0.5	< 0.5
4-Methyl-2-pentanone	< 0.5	< 0.5	< 0.5
2-Hexanone	< 5.0	< 5.0	< 5.0
Toluene	0.6	0.6	< 0.5
trans-1,3-Dichloropropene	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane	< 0.5	< 0.5	< 0.5
Tetrachloroethene	< 0.5	< 0.5	< 0.5
Dibromochloromethane	< 0.5	< 0.5	< 0.5
1,2-Dibromoethane	< 0.5	< 0.5	< 0.5
Chlorobenzene	< 0.5	< 0.5	< 0.5
Ethylbenzene	< 0.5	< 0.5	< 0.5
M,P-Xylenes	< 1.0	< 1.0	< 1.0
O-Xylene	< 0.5	< 0.5	< 0.5
Styrene	< 0.5	< 0.5	< 0.5
Bromoform	< 0.5	< 0.5	< 0.5
1,1,2,2-Tetrachloroethane	< 0.5	< 0.5	< 0.5
1,2-Dibromo-3-chloropropane	< 0.5	< 0.5	< 0.5

Results are reported as micrograms per liter (ug/L).

ACTS
TESTING LABS

TCL VOLATILES	ACTS #6B-00633E 0532R-01226-GW4	ACTS #6B-00634E 0532R-01226-GW5	ACTS #6B-00635E 0532R-01226-DUP
Dichlorodifluoromethane	< 0.5	< 0.5	< 0.5
Chloromethane	< 0.5	< 0.5	< 0.5
Vinyl Chloride	< 0.5	< 0.5	< 0.5
Bromomethane	< 0.5	< 0.5	< 0.5
Chloroethane	< 0.5	< 0.5	< 0.5
1,1-Dichloroethene	< 0.5	< 0.5	< 0.5
Acetone	14.0	8.0	6.0B
Carbon Disulfide	< 0.5	< 0.5	< 0.5
Methylene Chloride	10.0	12.0	6.0
trans-1,2-Dichloroethene	< 0.5	< 0.5	< 0.5
1,1-Dichloroethane	< 0.5	< 0.5	< 0.5
Chloroform	0.8	< 0.5	< 0.5
1,2-Dichloroethane	< 0.5	< 0.5	< 0.5
2-Butanone	1.0	< 0.5	0.6
1,1,1-Trichloroethane	< 0.5	0.5	< 0.5
Carbon Tetrachloride	< 0.5	< 0.5	< 0.5
Benzene	< 0.5	< 0.5	< 0.5
Trichloroethene	< 0.5	< 0.5	< 0.5
1,2-Dichloropropane	< 0.5	< 0.5	< 0.5
Bromodichloromethane	< 0.5	< 0.5	< 0.5
cis-1,3-Dichloropropene	< 0.5	< 0.5	< 0.5
4-Methyl-2-pentanone	< 0.5	< 0.5	< 0.5
2-Hexanone	< 5.0	< 5.0	< 5.0
Toluene	< 0.5	< 0.5	< 0.5
trans-1,3-Dichloropropene	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane	< 0.5	< 0.5	< 0.5
Tetrachloroethene	< 0.5	< 0.6	< 0.5
Dibromochloromethane	< 0.5	< 0.5	< 0.5
1,2-Dibromoethane	< 0.5	< 0.5	< 0.5
Chlorobenzene	< 0.5	< 0.5	< 0.5
Ethylbenzene	< 0.5	< 0.5	< 0.5
M,P-Xylenes	< 1.0	< 1.0	< 1.0
O-Xylene	< 0.5	< 0.5	< 0.5
Styrene	< 0.5	< 0.5	< 0.5
Bromoform	< 0.5	< 0.5	< 0.5
1,1,2,2-Tetrachloroethane	< 0.5	< 0.5	< 0.5
1,2-Dibromo-3-chloropropane	< 0.5	< 0.5	< 0.5

Results are reported as micrograms per liter (ug/L).
B=Found in Method Blank at 10.0 ug/L.

ACTS TESTING LABS

TCL VOLATILES	ACTS #6B-00636E 0532R-01226-TRIP
Dichlorodifluoromethane	< 0.5
Chloromethane	< 0.5
Vinyl Chloride	< 0.5
Bromomethane	< 0.5
Chloroethane	< 0.5
1,1-Dichloroethene	< 0.5
Acetone	9.0B
Carbon Disulfide	< 0.5
Methylene Chloride	10.0
trans-1,2-Dichloroethene	< 0.5
1,1-Dichloroethane	< 0.5
Chloroform	< 0.5
1,2-Dichloroethane	< 0.5
2-Butanone	< 0.5
1,1,1-Trichloroethane	< 0.5
Carbon Tetrachloride	< 0.5
Benzene	< 0.5
Trichloroethene	< 0.5
1,2-Dichloropropane	< 0.5
Bromodichloromethane	< 0.5
cis-1,3-Dichloropropene	< 0.5
4-Methyl-2-pentanone	< 0.5
2-Hexanone	< 5.0
Toluene	< 0.5
trans-1,3-Dichloropropene	< 0.5
1,1,2-Trichloroethane	< 0.5
Tetrachloroethene	< 0.5
Dibromochloromethane	< 0.5
1,2-Dibromoethane	< 0.5
Chlorobenzene	< 0.5
Ethylbenzene	< 0.5
M,P-Xylenes	< 1.0
O-Xylene	< 0.5
Styrene	< 0.5
Bromoform	< 0.5
1,1,2,2-Tetrachloroethane	< 0.5
1,2-Dibromo-3-chloropropane	< 0.5

Results are reported as micrograms per liter (ug/L).
B=Found in Method Blank at 10.0 ug/L.

ACTS TESTING LABS

TCL VOLATILES	ACTS #6B-00637E 0532R-01226-MS	ACTS #6B-00638E 0532R-01226-MSD
Dichlorodifluoromethane	84.0	84.0
Chloromethane	76.0	80.0
Vinyl Chloride	88.0	88.0
Bromomethane	94.0	96.0
Chloroethane	84.0	88.0
1,1-Dichloroethene	100	106
Acetone	60.0	28.0
Carbon Disulfide	115	121
Methylene Chloride	94.0	90.0
trans-1,2-Dichloroethene	112	108
1,1-Dichloroethane	98.0	96.0
Chloroform	96.0	94.0
1,2-Dichloroethane	94.0	90.0
2-Butanone	57.0	39.0
1,1,1-Trichloroethane	92.0	94.0
Carbon Tetrachloride	102	102
Benzene	114	114
Trichloroethene	112	116
1,2-Dichloropropane	104	102
Bromodichloromethane	96.0	94.0
cis-1,3-Dichloropropene	88.0	88.0
4-Methyl-2-pentanone	82.0	74.0
2-Hexanone	76.0	64.0
Toluene	110	108
trans-1,3-Dichloropropene	100	98.0
1,1,2-Trichloroethane	98.0	94.0
Tetrachloroethene	90.0	94.0
Dibromochloromethane	106	104
1,2-Dibromoethane	94.0	90.0
Chlorobenzene	102	102
Ethylbenzene	100	98.0
M,P-Xylenes	110	110
O-Xylene	96.0	96.0
Styrene	96.0	96.0
Bromoform	47.0	45.0
1,1,2,2-Tetrachloroethane	88.0	84.0
1,2-Dibromo-3-chloropropane	80.0	78.0

Results are reported as percent (%).

INTERNAL CHAIN-OF-CUSTODY RECORDS
PROJECT NUMBER 0532R-95
TECHNICAL REPORT NUMBER 6B-00630E
STRIPPIT LONG TERM MONITORING

Notebook No.

Time	Sample ID	Initial	Received By
1:15	6B-00864M, 6B00867M	[illegible]	[illegible]
2:00	6B0778, 6B0411, 6B0441, 6B0508, 6B0552, 6B0553, 6B0626, 6B0662	[illegible]	[illegible]
2:[illegible]	[illegible] 6B-0493	[illegible]	[illegible]
2:10	6B-00874M, 6B-00875M	LMD	C. [illegible]
2:30	6B-00633E, 6B-00635E, 6B-00636E, 6B-00637E, 6B-00658E, 6B-00770E, 6B-00773E, 6B-00774E, 6B-00775E, 6B-00776E, 6B-00777E, 6B-00778E, 6B-00779E	DW	D. [illegible]
8:30	6B-0872, 6B-0573, 6B-0551, 6B-0554, 6B-0547, 6B-0563	[illegible]	[illegible]
9:15	6B-0874, 6B-0552	[illegible]	[illegible]
9:30	6B-00807E, 6B-00806E, 6B-00809E, 6B-00810E, 6B-00811E, 6B-00812E, 6B-00830E, 6B-00832E, 6B-00833E, 6B-00837E, 6B-00834E, 6B-00836E, 6B-00832E	[illegible]	E. Hawsla
9:45	6B-00883E, 6B-00881E, 6B-00884E, 6B-00892E	[illegible]	[illegible]
9:45	6B-0877, 6B-0875, 6B-0879, 6B-0870, 6B-0871, 6B-0[illegible]	[illegible]	[illegible]
10:15	6B-0877, 6B-0878, 6B-0899	[illegible]	[illegible]
	6B-0663, 6B-0677, 6B-0673, 6B-0675, 6B-0712, 6B-0759		
11:30	6B-0710, 6B-0709, 6B-0871, 6B-0792, 6B-0[illegible], 6B-0[illegible]	[illegible]	[illegible]
1:40	6B-00411E, 6B-00614E, 6B-00653E, 6B-00730E, 6B-00731E, 6B-00737E, 6B-00766E, 6B-00653E, 6B-00654E, 6B-00652E, 6B-00653E, 6B-00654E, 6B-00653E, 6B-00651E, 6B-00656E, 6B-00706E, 6B-00722E ([illegible])	OB	C. [illegible]
1:45 pm	6B-00872E, 6B-00881E, 6B-00884E, 6B-00893E		
2:30 pm	6B-00674E, 6B-00652E, 6B-00651E, 6B-00773E, 6B-00774E	DW	D. [illegible]
2:40	6B-00965M, 6B-00966M	LMD	C. [illegible]
	6B-00958E, 6B-00959E, 6B-00961E, 6B-00962E	[illegible]	[illegible]
3:15	6B-0787, 6B-0791, 6B-0790, 6B-0793, 6B-0795	[illegible]	[illegible]
8:25	6B0972, 6B0973	[illegible]	[illegible] Powell
	6B0944, 6B0945, 6B0676, 6B0682, 6B0683, 6B0701, 6B0946		
	6B0944, 6B0945, 6B0868, 6B0869, 6B0872, 6B0877, 6B0878		
	6B0900, 6B0906, 6B0948, 6B0949, 6B0950, 6B0974, 6B0975, 6B0976		

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Requested By	Initial		Date	Time	Initials
Edwards	CAE	Logic	1/30/96	1:15	[illegible]
		O+G (depleted)	1/30	2:00	[illegible]
		Ammonia	1/30	3:00	WR
Edwards	CAE	Logic	1/30	2:00	CWD
		8021 Stars, TCL	1/30/96	3:35	DAW
		Metals	1/31	9:00	WE
		Metals	1/31	9:30	WR
		8021 STARS / vial depleted	1/31	10:20	ERH
		8080, 608	1/31	10:00	TTA
		TPO4	1/31	10:00	WE
		BOD	1/31	5:00	Duf
		O+G (depleted)		10:15	
		NH_3-N	1/31	1:00	WR
		625, 8270			
		8080, 608			
		8010, 8021 Stars	1/31/96	3:30pm	DAW
Edwards	CAE	Logic	1/31	2:00	CWD
		TCLP 8270, 8270	1/31	3:20	TTA
		NH_3-N	1/31	3:45	WE
		SS (depleted)	2/1	8:30	ENP
		O+G (depleted)		9:30	
		TSS		10:15	

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Read and Understood By

Signed Date Signed Date

Notebook No. ______

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Date	Time	Sample ID	Initial	Received By
1/24/96	11:25	6B-00630E, 6B-00631E, 6B-00632E, 6B-00633E	JTA	Jim Carter
		6B-00634E, 6B-00635E, 6B-00637E, 6B-00638E	↓	↓
	11:35	6B-0610, 6B-0611, 6B-0612, 6B-0613, 6B-0614, 6B-0617	WE	[illegible]
		6B-0618, 6B-0620	↓	↓
	1:30	6B00697M, 6B00695M, 6B-00699M, 6B-0070M	LMD	[illegible]
	2:00	6B00703M	JMJ	J. Jaguse
	2:30	6B-0621, 6B-0622, 6B-0623, 6B-0624, 6B-0625	WE	[illegible]
	2:30	6B-0701	ATP	D. Powell
	2:45	6B 00681E	JTA	Jim Carter
1/25/96	8:17	6B 00659E, 6B 00660E, 6B 00657E, 6B 00661E	ERH	E. Hausler
	9:35	6B 00665E	JTA	Jim T. Carter
	10:15	6B0707, 6B0708	ATP	D. Powell
		~~6B0431, 6B0437, 6B0437, 6B0443, 6B0466~~, 6B0366, 6B0367,	↓	↓
		6B0369, 6B0376, 6B0377, 6B0423	↓	↓
	11:45	6B-0662, 6B-0654, 6B-0655, 6B-0705, 6B-0674, 6B-0677		
		6B-0712, 6B-0709, 6B-0710, 6B-0673, 0711	WE	[illegible]
	1:30	6B-00738M	LMD	L. Dusta
	2:30	6B0448, 6B0564, 6B0447, 6B0563, 6B-0567, 6B 0566	WE	[illegible]
		6B0569, 6B-0565, 6B-0562, 6B-0446	↓	↓
	3:00	6B 0741	WE	[illegible]
	3:30	6B-00724E	ERH	E. Hausler
	3:45	6B-0655, 6B-0570, 6B-0584, 6B-0588, 6B-0586, 6B-0587	WE	[illegible]
		6B-0568	↓	↓
	4:07	6B00754M	LMD	L. Dusta
	4:00	6B00732, 6B00733, 6B00734, 6B0735, 6B0737	PC	Peter C.
26	8:45	6B-00694E, 6B-00695E, 6B-00713E, 6B-00719E	LMC	L. CLERI
		6B-00715E, 6B-00716E, 6B-00717E, 6B-00718E	↓	↓
		6B-00719E		
	9:00	6B-0573, 6B-0630, 6B-0631, 6B-0632, 6B-0633, 6B-0634,	WE	[illegible]
		6B-0635, 6B-0637, 6B-0638, 6B-0704, 6B-0732, 6B-0733	↓	↓
		6B-0734, 6B-0736, 6B-0737	↓	↓
	9:10	6B-00595E, 6B-00686E, 6B-00106E	ERH	E. Hausler
	9:20	6B0752, 6B0753	ATP	D. Powell
		6B0469, 6B0470, 6B0435, 6B0443, 6B0438, 6B0466	↓	↓
		6B0724, 6B0748, 6B0749, 6B0750, 6B0751		

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Signed ______ Date ______

Date ______

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Requested By	Initial	Comments	Date	Time	Initial
		TCL SV (DEPLETED)	1/24	11:50	
		↓	↓	↓	↓
		Hg	1/24	2:00	awz
		↓	↓	↓	↓
Edwards	Cue	Login	1/24	1:50	CMD
↓	↓	↓	1/24	2:30	JMS
		Metals	1/24	3:00	awz
		SS (depleted)	1/24	2:30	[illegible]
			1/24	3:00	[illegible]
		601/602 1 of 2 depleted	1/25	10:00	ERH
		TCLP SV, REST	1/25	10:00	[illegible]
		SS (depleted)	1/25	10:15	[illegible]
		O+G (depleted)	↓	↓	↓
		↓			
			1/25	12:00	awz
			↓	↓	↓
		TPO4			
Edwards	Cue	Login	1/25	1:30	CMD
		Ammonia	1/25	3:00	awz
		↓	↓	↓	↓
		Metals	1/25	4:00	awz
		601/602 1 of 4 depleted	1/25	3:40	ERH
		Ammonia	1/25	4:30	awz
		↓	↓	↓	↓
Edwards	Cue	Login	1/25	4:07	CMD
		Chlorides	1-25	4:55	PC
		COLOR			
		↓			
		Metals	1/26	10:00	awz
		↓	↓	↓	↓
		624 1 vial depleted	1/26	9:35a	ERH
		SS (depleted)	1/26	9:30	[illegible]
		O+G (depleted)	↓	↓	↓
		BOD		4:00	

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Read and Understood By

Signed	Date	Signed	Date

Notebook No.

Date	Time	Sample ID	Initial	Received By
1/26	[illegible]	6B-0732, 6B-0733, 6B-0734, 6B-0735, 6B-0736	[illegible]	[illegible]
	11:45	6S-00766, 6S-00780E, 6S-00781E, 6S-007[illegible]	JTA	J. Cantrell
	1:20	6B-00580M, 6B-00581M, 6B-00583M, 6B-00584M	LMD	L. Dustin
		6B-00585M, 6B-00586M		
	1:45	6B-00770D, 6B-00721D, 6B-00799C	[illegible]	E. Hauser
	2:15	6B-00704, 6B-00723, 6B-00771E	PCT	Peter C. Tr
	2:15	6B-0786	[illegible]	[illegible]
1/27	9:30	6B-00799E, 6B-00720E, 6B-00784E	ETH	E. Hauser
		6B-00458E, 6B-00459E, 6B-00460E		
		6B-00461E, 6B-00462E, 6B-00463E		
		6B-00457E, 6B-00456E		
1-29-96	8:15	6B-00666E	PCT	Peter C. Tr
	8:30	6B-0630, 6B-0631, 6B-0632, 6B-0633, 6B-0634, 6B-0635	[illegible]	[illegible]
		6B-0637, 6B-0638, 6B-068, 6B-0673, 6B-0675		
	8:55	6B-00665E	JTA	J. Cantrell
	9:30	6B-0729, 6B-0748, 6B-0747, 6B-0751, 6B-0752, 6B-0799	[illegible]	[illegible]
	10:00	6B-00578M, 6B-00579M, 6B-00580M	LMD	L. Dustin
	10:30	6B-0704, 6B-0799	[illegible]	[illegible]
	11:30	6B-0412, 6B0480, 6B0481, 6B0482, 6B0483, 6B0484	[illegible]	D. Powell
	9:39	6B00756E	PCT	Peter C. Tr
	1:00	6S-00672E, 6S-00712E, 6S-00750E	JTA	J. Cantrell
	1:30	6B-0589, 6B-0583, 6B-0584, 6B-0582, 6B-0592, 6B-0591	[illegible]	[illegible]
		6B-0590, 6B-0593		
	2:25	6B-00729E, 6B-00630E, 6B-00631E, 6B-00633E	DAV	D. Vance
		6B-00634E		
	3:45	6B-0653, 6B-0662, 6B-0663, 6B-0673, 6B-0674, 6B-0677,	DWP	D. Powell
		6B-0701, 6B-0705, 6B-0709, 6B-0710, 6B-0711, 6B-0712,		
		6B-0724, 6B-0743, 6B-0749, 6B-0750, 6B-0751, 6B-0799, 6B-0383		
1-30-96	8:20	6B-00580M	LMD	L. Dustin
	8:30	6B-0676, 6B0682, 6B-0711, 6B-0723, 6B-0724, 6B-0725	[illegible]	[illegible]
		6B-0726, 6B-0727, 6B-0728, 6B-0729, 6B-0752, 6B-0753		
		6B-0749, 6B-0771, 6B-0819, 6B-0805, 6B-0814, 6B-0817		
	9:15	6B-0581, 6B-0499, 6B-0491, 6B-0515, 6B-0530, 6B-0696	[illegible]	[illegible]
1-30-96	10:00	6B-00583M, 6B-00584M	JJ	J. Jaques
	11:00	6B-0578, 6B-0704	[illegible]	[illegible]
	1:15	6B-0864		

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Signed Date Signed Date

JECT ______ Notebook No. ______ Continued From Page ______

Relinquished By	Initial	Comments	Date	Time	Initial
		SO_4	1/26	12:00	MR
		625	1/26	[illegible]	TEH
Edwards	Case	Login	1/26	1:20	LHD
↓	↓	↓			
		STARS + 8240 ivial depleted	1/26	2:00	ERH
		CN	1-26	2:30	PC
		TPH (418.1)	1/26	3:00	MR
		STARS, 8240, 503.1	1/27	10:40	ERH
		↓	↓	↓	↓
		Corrosivity	1-29-96	8:30	PC
		Metals	1/29	9:00	MR
		↓	↓	↓	↓
		TCL HERB	1/29	9:30	TEH
		TPO_4	1/29	10:00	MR
Edwards	Case	Login	1/29	10:00	LHD
		Phenols	1/29	10:30	MR
		O+G (depleted	1/29	11:20	ERH
		ignitability	1/29	10:00	PC
		O+G (depleted)	1/29	1:00	TEH
		Ammonia	1/29	2:30	MR
		↓	↓	↓	↓
		TCL, 8240	1/29/96	3:00	TEH
		↓	↓	↓	↓
		TSS	1/29	5:00	ERH
		↓	↓	↓	↓
Edwards	Case	Login	1/30	8:20	LHD
		Metals	1/30	9:00	MR
		↓	↓	↓	↓
		Ammonia	1/30	10:00	MR
Edwards	Case	Login	1/30	10:00	JJ
		Hg	1/30	11:00	MR
		HERB	1/30	12:00	MR

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Read and Understood By

Signed ______ Date ______ Signed ______ Date ______

CHAIN-OF-CUSTODY RECORDS
PROJECT NUMBER 0532R-95
TECHNICAL REPORT NUMBER 6B-00630E
STRIPPIT LONG TERM MONITORING

ACTS TESTING LABS
3916 Broadway
Buffalo, NY 14227
Phone: 684-3300
Fax: 684-3303

Page 1 of 1

CHAIN-OF-CUSTODY RECORD

Project No.:	Project Name:	Company Name	Analysis
0532R-95	Strippit: Long Term Monitoring	O&G Environmental, Inc.	
Samplers: (Signatures) R. Kampff / R. Kampff		Report Recipient: R. Kampff	

Date	Time	Comp	Grab	Gas	ACTS #	Sample Identification	Volume	# and Type of Containers	TCL 8240 VOC	TCL 8270 A/E	Soluble Ba, Fe, Mg, Mn & Cd	Total Ba, Fe, Mg, Mn, Cd	PH		Preservative	Refrigerator	Shelf
1/22/96	12^35		X		6B-00630E	0532R-01226-GW-1	1 Gal/2-1l 2-500ml/2-40ml		X	X	X	X	X				
↓	14^17		X		6B00631E	0532R-01226-GW2			X	X	X	X	X				
	13^24		X		6B00632E	0532R-01226-GW3			X	X	X	X	X				
	1150		X		6B00633E	0532R-01226-GW4			X	X	X	X	X				
	14^41		X		6B00634E	0532R-01226-GW5			X	X	X	X	X				
	—		X		6B00635E	0532R-01226-DUP			X	X	X	X	X				
↓	—				6B00636E	0532R-01226-TRIP	2-40ml		X								
1/22/96	—		X		6B00637E	0532R-01226-MS			X	X	X	X	X				
↓	—		X		6B00638E	0532R-01226-MSD			X	X	X	X	X				

Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Relinquished By: (Signature)	Date/Time	Received for Laboratory (Signature)	BL/Airbill Number:
R. Kampff	1/22/96 16^10	Paul A. Powers	Paul A. Powers	1/22/96 4:40pm	Cindy Edwards	

Distribution: White - Client
Yellow - Data Manager
Pink - Field Technician

Remarks:

SAMPLE RECEIPT CHECKLIST
PROJECT NUMBER 0532R-95
STRIPPIT LONG TERM MONITORING

ACTS TESTING LABS

CHEMISTRY LABORATORY SAMPLE RECEIPT CHECKLIST

Client: Day Env

Date: 1-22-96

Contact:

Phone:

Address:

Fax:

Checked By: Ollie

Sample Group Number: 6B-006308-6B006382

1. Chain of Custody Records — Present/Absent
2. Sample Condition — Intact/Broken/Leaking
3. Does information on the Chain of Custody correspond with Sample Labels — Yes/No
4. Does information on the Chain of Custody correspond with Login Sheet — Yes/No
5. Sample properly preserved — Yes/No
   - ______ Sulfite NaOH + Zinc Acetate
   - ______ Metals with HNO_3
   - ______ Metals with Optima HNO_3
   - ______ Cyanide with NaOH + Ascorbic Acid
   - ______ COD with H_2SO_4
   - ______ Phenols with H_2SO_4
   - ______ Oil + Grease with H_2SO_4
   - ______ TPO_4 with H_2SO_4
   - ______ Ammonia, TKN with H_2SO_4
6. Irregularity

   Sample Number:

   Discrepancy:

   Sample Number:

   Discrepancy:
7. Date Contacted:
8. Corrective Action Taken:

Signed: Doug J. Powell

QC-CL-004
(5/95)

APPENDIX B

MONITORING WELL SAMPLE LOGS
JANUARY 22, 1996 SAMPLE ROUND

GW-1

DAY ENGINEERING
MONITORING WELL SAMPLING LOG

SECTION 1

SITE LOCATION: Strippit Inc./Akron, N.Y. JOB #: 0532R-95

PROJECT NAME: IRM Post-Closure Monitoring DATE : 1/22/96

SAMPLE COLLECTOR(S): R. Kampff

WEATHER CONDITIONS: Partially Cloudy-Windy 25°-30°F

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 58.45 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL(SWL) [FT]: 41.51 (MEASURED FROM T.O.C)

DEPTH OF WATER COLUMN [FT]: 16.94 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 2.8

CALCULATIONS:

CASING DIA.(FT)	WELL CONSTANT(GAL/FT)
2" (0.1667)	0.1632
4" (0.3333)	0.6528
6" (0.5000)	1.4688

CALCULATIONS

VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN x WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: (3 - 5 TIMES CASING VOLUME - SPECIFY)

ACTUAL VOLUME PURGED [GAL]: 9

PURGE METHOD: Bailer PURGE START: 10:00 END: 10:40

SECTION 3 - SAMPLE IDENTIFICATION

SAMPLE ID #	TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)	SAMPLE APPEARANCE
0532-01226 GW-1	12:35	Bailer	See Chain-of-Custody	

SECTION 4 - SAMPLE DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (uMHOS/CM)	TURBIDITY (NTU)	VISUAL	PID/FID READING
		8.52	889	~~cloudy~~	Cloudy	—

FILE:WELLSAM

GW-2

DAY ENGINEERING
MONITORING WELL SAMPLING LOG

SECTION 1

SITE LOCATION: Strippit Inc. / Akron, N.Y. JOB #: 0532R-95

PROJECT NAME: IRM Post-Closure Monitoring DATE: 1/22/96

SAMPLE COLLECTOR(S): R. Kampf

WEATHER CONDITIONS: Partially Cloudy - Windy 25°-30°F

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 78.65 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL(SWL) [FT]: 52.03 (MEASURED FROM T.O.C)

DEPTH OF WATER COLUMN [FT]: 26.62 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 4.3

CALCULATIONS:

CASING DIA.(FT)	WELL CONSTANT(GAL/FT)
2" (0.1667)	0.1632
4" (0.3333)	0.6528
6" (0.5000)	1.4688

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN x WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: (3 - 5 TIMES CASING VOLUME - SPECIFY)

ACTUAL VOLUME PURGED [GAL]: 5 (dry)

PURGE METHOD: Bailer PURGE START: 0830 END: 0950

SECTION 3 - SAMPLE IDENTIFICATION

SAMPLE ID #	TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)	SAMPLE APPEARANCE
0532-01226 GW-2	1417	Bailer	See Chain-of Custody	

SECTION 4 - SAMPLE DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (uMHOS/CM)	TURBIDITY (NTU)	VISUAL	PID/FID READING
	—	11.09	771	—	Clear	—

FILE:WELLSAM

GW-3/DUP/MS/MSD

DAY ENGINEERING
MONITORING WELL SAMPLING LOG

SECTION 1

SITE LOCATION: Strippit Inc./Akron, N.Y. JOB #: 0532R-95

PROJECT NAME: IRM Post-Closure Monitoring DATE: 1/22/96

SAMPLE COLLECTOR(S): R. Kampff

WEATHER CONDITIONS: Partially Cloudy-Windy 25°-30°F

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 51.88 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL(SWL) [FT]: 34.43 (MEASURED FROM T.O.C.)

DEPTH OF WATER COLUMN [FT]: 17.45 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 2.85

CALCULATIONS:

CASING DIA.(FT)	WELL CONSTANT(GAL/FT)
2" (0.1667)	0.1632
4" (0.3333)	0.6528
6" (0.5000)	1.4688

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN x WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: ______ (3 - 5 TIMES CASING VOLUME - SPECIFY)

ACTUAL VOLUME PURGED [GAL]: 10

PURGE METHOD: Bailer PURGE START: 10:45 END: 11:15

SECTION 3 - SAMPLE IDENTIFICATION

SAMPLE ID #	TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)	SAMPLE APPEARANCE
0532-01226 GW-3	13:24	Bailer	See chain-of-custody	

SECTION 4 - SAMPLE DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (uMHOS/CM)	TURBIDITY (NTU)	VISUAL	PID/FID READING
	14.5	7.69	475	—	Cloudy	—

FILE:WELLSAM

GW-4

DAY ENGINEERING
MONITORING WELL SAMPLING LOG

SECTION 1

SITE LOCATION: Strippit, Inc./Akron, N.Y. JOB #: 0532R-95

PROJECT NAME: IRM Post-Closure Monitoring DATE: 1/22/96

SAMPLE COLLECTOR(S): R. Kampft

WEATHER CONDITIONS: Partially Cloudy-Windy 25°-30°F

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 51.95 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL(SWL) [FT]: 38.55 (MEASURED FROM T.O.C)

DEPTH OF WATER COLUMN [FT]: 13.4 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 2.2

CALCULATIONS:

CASING DIA.(FT)	WELL CONSTANT(GAL/FT)
2" (0.1667)	0.1632
4" (0.3333)	0.6528
6" (0.5000)	1.4688

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN x WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: (3 - 5 TIMES CASING VOLUME - SPECIFY)

ACTUAL VOLUME PURGED [GAL]: 6 (dry

PURGE METHOD: Bailer PURGE START: 0935 END: 0950

SECTION 3 - SAMPLE IDENTIFICATION

SAMPLE ID #	TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)	SAMPLE APPEARANCE
0532-01226 GW-4	1150	Bailer	See Chain-of-Custody	

SECTION 4 - SAMPLE DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (uMHOS/CM)	TURBIDITY (NTU)	VISUAL	PID/FID READING
	10.1	8.85	626	—	Cloudy	—

GW-5

DAY ENGINEERING
MONITORING WELL SAMPLING LOG

SECTION 1

SITE LOCATION: Strippit Inc. / Akron, N.Y. JOB #: 0532R-95

PROJECT NAME: IRM Post-Closure Monitoring DATE: 1/22/96

SAMPLE COLLECTOR(S): R. Kampft

WEATHER CONDITIONS: Partially Cloudy - Windy 25°-35°F

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 74.14 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL(SWL) [FT]: 52.73 (MEASURED FROM T.O.C)

DEPTH OF WATER COLUMN [FT]: 21.41 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 3.6

CALCULATIONS:

CASING DIA.(FT)	WELL CONSTANT(GAL/FT)
2" (0.1667)	0.1632
4" (0.3333)	0.6528
6" (0.5000)	1.4688

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN x WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: ______ (3 - 5 TIMES CASING VOLUME - SPECIFY)

ACTUAL VOLUME PURGED [GAL]: 4.5 (dry)

PURGE METHOD: Bailer PURGE START: 0830 END: 0920

SECTION 3 - SAMPLE IDENTIFICATION

SAMPLE ID #	TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)	SAMPLE APPEARANCE
0532-01226 GW-5	1441	Bailer	See Chain-of-Custody	

SECTION 4 - SAMPLE DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (uMHOS/CM)	TURBIDITY (NTU)	VISUAL	PID/FID READING
		10.76	641	—	Turbid - brown	—

FILE:WELLSAM

APPENDIX C

SUMMARY OF DETECTED PARAMETERS, MEAN CONCENTRATIONS AND STANDARD DEVIATIONS

STRIPPIT, INC.
INTERIM REMEDIAL MEASURE
POST CLOSURE MONITORING

SUMMARY OF DETECTED GROUNDWATER PARAMETERS
QUARTERLY SAMPLING: 4/95 TO 1/96

TEST PARAMETER	UNITS	SAMPLE ROUND							
		4-11-95	7-12-95	10-16-95	1-22-96	Mean (X)	Standard Deviation(s)		
pH	Standard	7.35	8.76	8.63	9.07	8.45	0.66		
specific conductance	uMHOS/cm	1,400	1,170	751	889	1,052	251		
turbidity	mg/L	85.8	200+	46.6	-	-	-		
barium, soluble	mg/L	0.058	0.059	0.06	0.12	0.074	0.026		
barium, total	mg/L	0.079	0.123	0.07	0.13	0.101	0.026		
iron, soluble	mg/L	LT 0.03	0.36	0.13	8.24	2.19	3.50		
iron, total	mg/L	1.46	6.82	2.53	8.34	4.79	2.87		
magnesium, soluble	mg/L	50.8	44.6	47.5	66.8	52.4	8.6		
magnesium, total	mg/L	54.0	52.0	56.8	68.8	57.9	6.5		
manganese, soluble	mg/L	LT 0.005	0.026	0.01	0.23	0.068	0.094		
manganese, total	mg/L	0.038	0.171	0.08	0.24	0.132	0.078		
dichlorodifluoromethane	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
chloromethane	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
vinyl chloride	ug/L	LT 0.5	LT 0.5*	LT 0.5	LT 0.5	0.5	0		
acetone	ug/L	26*	5.0	34.0 B	6.0	10	10.9		
carbon disulfide	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
trans-1,2-dichloroethene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
1,1-dichloroethane	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		

TEST PARAMETER	UNITS	SAMPLE ROUND							
		4-11-95	7-12-95	10-16-95	1-22-96	Mean (X̄)	Standard Deviation(s)		
chloroform	ug/L	LT 0.5	LT 0.5	1.5 B	LT 0.5	0.5	0		
2-butanone	ug/L	LT 1.0	2*	LT 0.5	0.5	0.5	0.3		
1,1,1-trichloroethane	ug/L	LT 0.5	LT 0.5	0.9 B	LT 0.5	0.5	0		
carbon tetrachloride	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
benzene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
trichloroethene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
toluene	ug/L	LT 0.5	LT 0.5	LT 0.5	0.6	0.52	0.04		
tetrachloroethene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
methylene chloride	ug/L	11 B	LT 5.0	21.0 B	LT 5.0	5.1	3.1		
m,p-xylenes	ug/l	LT 1.0	LT 1.0	LT 1.0	LT 1.0	1.0	0		
o-xylenes	ug/l	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
phenol	ug/l	LT 1.0	LT 1.0	LT 1.0	LT 1.0	1.0	0		
groundwater elevation	feet	713.43	711.04	710.09	712.82	-	-		

Notes:

LT = Less than detection limit shown.
B = Compound also detected in blank (see below).
* = Estimated value, see lab report.

The following compounds were detected in blank samples at the concentrations shown.

4/11/95 Sample Round: Methylene chloride 2.8 ug/l
7/12/95 Sample Round: Acetone 5.0 ug/L, methylene chloride 5.2 ug/L, chloroform 1.0 ug/L, 2-butanone 3.0 ug/L.
10/16/95 Sample Round: Acetone 20 ug/L, methylene chloride 14 ug/L, chloroform 1.3 ug/L, 1,1,-trichloroethane 0.9 ug/L, 2-butanone 2.0 ug/L.
1/22/96 Sample Round: Acetone 10 ug/L.

RK318

STRIPPIT, INC.
INTERIM REMEDIAL MEASURE
POST CLOSURE MONITORING

Monitoring Well: GW-2

SUMMARY OF DETECTED GROUNDWATER PARAMETERS
QUARTERLY SAMPLING: 4/95 TO 1/96

TEST PARAMETER	UNITS	SAMPLE ROUND							
		4-11-95	7-12-95	10-16-95	1-22-96	Mean (X̄)	Standard Deviation(s)		
pH	Standard	7.23	11.58	11.71	12.23	10.69	2.01		
specific conductance	uMHOS/cm	1,870	1,170	695	771	1,126	466		
turbidity	mg/L	200+	16.5	11.9	-	-	-		
barium, soluble	mg/L	0.199	0.20	0.18	0.15	0.18	0.02		
barium, total	mg/L	0.210	0.211	0.21	0.18	0.20	0.01		
iron, soluble	mg/L	LT 0.03	0.15	0.007	0.43	0.15	0.17		
iron, total	mg/L	0.25	0.49	1.44	1.26	0.86	0.50		
magnesium, soluble	mg/L	LT 0.05	0.14	0.23	1.01	0.61	0.51		
magnesium, total	mg/L	1.03	0.36	0.91	1.36	0.92	0.36		
manganese, soluble	mg/L	LT 0.005	0.053	LT 0.005	0.03	0.023	0.02		
manganese, total	mg/L	0.006	0.150	0.02	0.04	0.054	0.057		
dichlorodifluoromethane	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
chloromethane	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
vinyl chloride	ug/L	LT 0.5	LT 0.5*	LT 0.5	LT 0.5	0.5	0		
acetone	ug/L	31*	33	63.0 B	24.0	29	10		
carbon disulfide	ug/L	LT 0.5	LT 0.5*	LT 0.5	LT 0.5	0.5	0		
trans-1,2-dichloroethene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
1,1-dichloroethane	ug/L	0.6*	LT 0.5	0.7	LT 0.5	0.58	0.08		

TEST PARAMETER	UNITS	SAMPLE ROUND							
		4-11-95	7-12-95	10-16-95	1-22-96	Mean ($\overline{X}$)	Standard Deviation(s)		
chloroform	ug/L	LT 0.5	LT 0.5	2.0	0.6	0.4	0.3		
2-butanone	ug/L	3.0*	6.0*	LT 0.5	2.0	2.1	1.0		
1,1,1-trichloroethane	ug/L	LT 0.5	LT 0.7	0.6 B	LT 0.5	0.5	0		
carbon tetrachloride	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
benzene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
trichloroethene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
toluene	ug/L	0.7*	LT 0.5	0.9	0.6	0.68	0.15		
tetrachloroethene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
methylene chloride	ug/L	11 B	LT 5.0	23.0	10.0	6.8	4.0		
m,p-xylenes	ug/l	LT 1.0	LT 1.0	LT 1.0	1.0	1.0	0		
o-xylenes	ug/l	LT 0.5	LT 0.5	LT 0.5	0.5	0.5	0		
phenol	ug/l	LT 1.0	5.6	2.0	3.0	2.9	1.7		
groundwater elevation	feet	719.90	717.08	715.62	718.59	-	-		

Notes:

LT = Less than detection limit shown.
B = Compound also detected in blank (see below).
* = Estimated value, see lab report.

The following compounds were detected in blank samples at the concentrations shown.

4/11/95 Sample Round: Methylene chloride 2.8 ug/l
7/12/95 Sample Round: Acetone 5.0 ug/L, methylene chloride 5.2 ug/L, chloroform 1.0 ug/L, 2-butanone 3.0 ug/L.
10/16/95 Sample Round: Acetone 20 ug/L, methylene chloride 14 ug/L, chloroform 1.3 ug/L, 1,1,-trichloroethane 0.9 ug/L, 2-butanone 2.0 ug/L.
1/22/96 Sample Round: Acetone 10 ug/L.

STRIPPIT, INC.
INTERIM REMEDIAL MEASURE
POST CLOSURE MONITORING

SUMMARY OF DETECTED GROUNDWATER PARAMETERS
QUARTERLY SAMPLING: 4/95 TO 1/96

TEST PARAMETER	UNITS	SAMPLE ROUND							
		4-11-95	7-12-95	10-16-95	1-22-96	Mean ($\overline{X}$)	Standard Deviation(s)		
pH	Standard	6.82	8.01	8.01	8.44 8.39	7.93	0.59		
specific conductance	uMHOS/cm	2,010	568	502	475	889	648		
turbidity	mg/L	26.0	26.8	191	-	-	-		
barium, soluble	mg/L	0.056	0.003 0.061	0.04 0.06	0.09 0.08	0.068	0.018		
barium, total	mg/L	0.065	0.094 0.252	0.17 0.16	0.09 0.09	0.131	0.061		
iron, soluble	mg/L	LT 0.03	0.11 0.09	0.09 0.10	3.33 2.71	0.92	1.34		
iron, total	mg/L	1.56	3.45 9.97	15.5 11.6	4.35 3.83	7.18	4.80		
magnesium, soluble	mg/L	27.7	30.3 28.4	31.5 27.8	33.7 30.2	29.9	2.03		
magnesium, total	mg/L	28.3	37.4 100	83.1 62.0	34.5 30.4	53.7	26.4		
manganese, soluble	mg/L	0.078	0.141 0.134	0.02 0.13	0.20 0.13	0.126	0.056		
manganese, total	mg/L	0.120	0.251 0.660	0.77 0.55	0.22 0.20	0.396	0.239		
dichlorodifluoromethane	ug/L	2.4*	LT 0.5 LT 0.5	LT 0.5 LT 0.5	LT 0.5 LT 0.5	0.8	0.7		

TEST PARAMETER	UNITS	SAMPLE ROUND							
		4-11-95	7-12-95	10-16-95	1-22-96	Mean ($\overline{X}$)	Standard Deviation(s)		
chloromethane	ug/L	1.5*	LT 0.5 LT 0.5	LT 0.5 LT 0.5	LT 0.5 LT 0.5	0.6	0.3		
vinyl chloride	ug/L	2.3*	LT 0.5* LT 0.5*	LT 0.5 LT 0.5	LT 0.5 LT 0.5	0.8	0.6		
acetone	ug/L	16*	11.0 10.0	20.0 B 17.0 B	LT 5.0 6.0 B	4	6		
carbon disulfide	ug/L	1.8*	LT 0.5 LT 0.5	LT 0.5 LT 0.5	LT 0.5 LT 0.5	0.7	0.4		
trans-1,2-dichloroethene	ug/L	0.8*	LT 0.5 LT 0.5	LT 0.5 LT 0.5	LT 0.5 LT 0.5	0.54	0.1		
1,1-dichloroethane	ug/L	0.8*	LT 0.5 LT 0.5	LT 0.5 LT 0.5	LT 0.5 LT 0.5	0.54	0.1		
chloroform	ug/L	0.7*	LT 1.0 2.0	1.0 B 2.0	LT 0.5 LT 0.5	0.5	0.3		
2-butanone	ug/L	LT 1.0	3.0* 12.0	LT 0.5 1.0	LT 0.5 0.6	1.7	3.0		
1,1,1-trichloroethane	ug/L	1.8*	LT 0.5 LT 0.5	LT 0.5 LT 0.5	LT 0.5 LT 0.5	0.7	0.4		
carbon tetrachloride	ug/L	1.7*	LT 0.5 LT 0.5	LT 0.5 LT 0.5	LT 0.5 LT 0.5	0.7	0.4		
benzene	ug/L	0.5*	LT 0.5 LT 0.5	LT 0.5 LT 0.5	LT 0.5 LT 0.5	0.5	0		
trichloroethene	ug/L	0.8*	LT 0.5 LT 0.5	LT 0.5 LT 0.5	LT 0.5 LT 0.5	0.6	0.4		
toluene	ug/L	0.7*	LT 0.5 LT 0.5	LT 0.5 LT 0.5	LT 0.5 LT 0.5	0.6	0.3		

TEST PARAMETER	UNITS	SAMPLE ROUND 4-11-95	7-12-95	10-16-95	1-22-96	Mean ($\overline{X}$)	Standard Deviation(s)		
tetrachloroethene	ug/L	0.9*	LT 0.5 LT 0.5	LT 0.5 LT 0.5	LT 0.5 LT 0.5	0.6	0.3		
methylene chloride	ug/L	6.3 B	LT 5.0 LT 5.0	23.0 B 8.00 B	LT 5.0 6.0	3	3		
m,p-xylenes	ug/l	LT 1.0	3.0 LT 1.0	LT 1.0 LT 1.0	LT 1.0 LT 1.0	2.3	2.6		
o-xylenes	ug/l	LT 0.5	1.0 LT 0.5	LT 0.5 LT 0.5	LT 0.5 LT 0.5	1.7	2.3		
phenol	ug/l	LT 1.0	LT 1.0 LT 1.0	LT 1.0 LT 1.0	LT 1.0 LT 1.0	1.0	0		
groundwater elevation	feet	709.53	707.19	705.56	708.26				

Notes:

LT = Less than detection limit shown.
B = Compound also detected in blank (see below).
* = Estimated value, see lab report.

The following compounds were detected in blank samples at the concentrations shown.

4/11/95 Sample Round: Methylene chloride 2.8 ug/l
7/12/95 Sample Round: Acetone 5.0 ug/L, methylene chloride 5.2 ug/L, chloroform 1.0 ug/L, 2-butanone 3.0 ug/L.
10/16/95 Sample Round: Acetone 20 ug/L, methylene chloride 14 ug/L, chloroform 1.3 ug/L, 1,1,-trichloroethane 0.9 ug/L, 2-butanone 2.0 ug/L.
1/22/96 Sample Round: Acetone 10 ug/L.

STRIPPIT, INC.
INTERIM REMEDIAL MEASURE
POST CLOSURE MONITORING

SUMMARY OF DETECTED GROUNDWATER PARAMETERS
QUARTERLY SAMPLING: 4/95 TO 1/96

TEST PARAMETER	UNITS	SAMPLE ROUND							
		4-11-95	7-12-95	10-16-95	1-22-96	Mean ($\overline{X}$)	Standard Deviation(s)		
pH	Standard	7.06	8.31	8.34	9.07	7.91	0.60		
specific conductance	uMHOS/cm	1,990	935	628	626	1,045	560		
turbidity	mg/L	200+	200+	106.7	-	-			
barium, soluble	mg/L	0.038 0.052	0.058	0.07	0.11	0.66	0.02		
barium, total	mg/L	0.101 0.175	0.099	0.12	0.13	0.125	0.028		
iron, soluble	mg/L	LT 0.03 LT 0.03	1.00	0.37	8.32	1.95	3.21		
iron, total	mg/L	7.93 16.1	6.72	11.9	9.85	10.5	3.31		
magnesium, soluble	mg/L	53.1 47.0	36.7	30.2	47.9	43.0	8.3		
magnesium, total	mg/L	68.5 87.3	48.3	66.0	49.4	63.9	14.3		
manganese, soluble	mg/L	LT 0.005 LT 0.005	0.029	0.15	0.20	0.078	0.081		
manganese, total	mg/L	0.21 0.43	0.162	0.32	0.24	0.27	0.09		
dichlorodifluoromethane	ug/L	LT 0.5 LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		

TEST PARAMETER	UNITS	SAMPLE ROUND							
		4-11-95	7-12-95	10-16-95	1-22-96	Mean ($\bar{X}$)	Standard Deviation(s)		
chloromethane	ug/L	LT 0.5 LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
vinyl chloride	ug/L	LT 0.5 LT 0.5	LT 0.5*	LT 0.5	LT 0.5	0.5	0		
acetone	ug/L	13* 11*	LT 5.0	29.0 B	14.0	7.4	4.8		
carbon disulfide	ug/L	LT 0.5 LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
trans-1,2-dichloroethene	ug/L	LT 0.5 LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
1,1-dichloroethane	ug/L	LT 0.5 LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
chloroform	ug/L	LT 0.5 LT 0.5	1.6	1.0 B	0.8	0.5	0.3		
2-butanone	ug/L	LT 1.0 LT 1.0	LT 1.0	LT 0.5	1.0	1.0	0		
1,1,1-trichloroethane	ug/L	LT 0.5 LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
carbon tetrachloride	ug/L	LT 0.5 LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
benzene	ug/L	LT 0.5 LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
trichloroethene	ug/L	LT 0.5 LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
toluene	ug/L	LT 0.5 LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		

TEST PARAMETER	UNITS	SAMPLE ROUND							
		4-11-95	7-12-95	10-16-95	1-22-96	Mean ($\bar{X}$)	Standard Deviation(s)		
tetrachloroethene	ug/L	LT 0.5 LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
methylene chloride	ug/L	2.7 B 2.5 B	LT 5.0	18.0 B	10	2.8	3.9		
m,p-xylenes	ug/l	LT 1.0 LT 1.0	2.0	LT 01.0	LT 1.0	1.2	0.4		
o-xylenes	ug/l	LT 0.5 LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
phenol	ug/l	LT 1.0 LT 1.0	LT 1.0	LT 1.0	LT 1.0	1.0	0		
groundwater elevation	feet	715.06	712.56	711.13	713.69	-	-		

Notes:

LT = Less than detection limit shown.
B = Compound also detected in blank (see below).
* = Estimated value, see lab report.

The following compounds were detected in blank samples at the concentrations shown.

4/11/95 Sample Round: Methylene chloride 2.8 ug/l
7/12/95 Sample Round: Acetone 5.0 ug/L, methylene chloride 5.2 ug/L, chloroform 1.0 ug/L, 2-butanone 3.0 ug/L.
10/16/95 Sample Round: Acetone 20 ug/L, methylene chloride 14 ug/L, chloroform 1.3 ug/L, 1,1,-trichloroethane 0.9 ug/L, 2-butanone 2.0 ug/L.
1/22/96 Sample Round: Acetone 10 ug/L.

STRIPPIT, INC.
INTERIM REMEDIAL MEASURE
POST CLOSURE MONITORING

SUMMARY OF DETECTED GROUNDWATER PARAMETERS
QUARTERLY SAMPLING: 4/95 TO 1/96

TEST PARAMETER	UNITS	SAMPLE ROUND							
		4-11-95	7-12-95	10-16-95	1-22-96	Mean ($\overline{X}$)	Standard Deviation(s)		
pH	Standard	6.99	10.88	10.97	11.54	10.10	1.81		
specific conductance	uMHOS/cm	2,090	735	506	641	993	639		
turbidity	mg/L	200+	167.8	113.2	-	-	-		
barium, soluble	mg/L	0.078	0.484	0.06	0.18	0.20	0.17		
barium, total	mg/L	0.172	0.600	0.18	0.23	0.30	0.18		
iron, soluble	mg/L	LT 0.03	0.09	0.34	24.8	6.32	10.7		
iron, total	mg/L	23.0	1.73	24.7	34.3	20.9	11.9		
magnesium, soluble	mg/L	16.5	4.32	3.68	33.5	14.5	12.1		
magnesium, total	mg/L	32.2	9.71	32.8	42.5	29.3	12.0		
manganese, soluble	mg/L	LT 0.005	LT 0.005	0.01	0.57	0.15	0.24		
manganese, total	mg/L	0.485	0.038	0.62	0.76	0.48	0.27		
dichlorodifluoromethane	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
chloromethane	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
vinyl chloride	ug/L	LT 0.5	LT 0.5*	LT 0.5	LT 0.5	0.5	0		
acetone	ug/L	33*	29	43.0 B	8.0	20	12.2		
carbon disulfide	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
trans-1,2-dichloroethene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
1,1-dichloroethane	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		

TEST PARAMETER	UNITS	SAMPLE ROUND							
		4-11-95	7-12-95	10-16-95	1-22-96	Mean (X̄)	Standard Deviation(s)		
chloroform	ug/L	LT 0.5	LT 1.0	1.0 B	LT 0.5	0.5	0		
2-butanone	ug/L	LT 1.0	LT 1.0	1.0 B	LT 0.5	1	0		
1,1,1-trichloroethane	ug/L	LT 0.5	LT 0.5	1.5 B	0.5	0.52	0.04		
carbon tetrachloride	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
benzene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
trichloroethene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
toluene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
tetrachloroethene	ug/L	LT 0.5	LT 0.5	0.6	LT 0.6	0.55	0.05		
methylene chloride	ug/L	2.4 B	LT 5.0	24.0 B	12.0	3	5		
m,p-xylenes	ug/l	LT 1.0	LT 1.0	LT 1.0	LT 1.0	1.0	0		
o-xylenes	ug/l	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.5	0		
phenol	ug/l	LT 1.0	LT 1.4	LT 1.4	LT 1.0	1.2	0.2		
groundwater elevation	feet	719.54	716.72	715.29	718.53				

Notes:

LT = Less than detection limit shown.
B = Compound also detected in blank (see below).
* = Estimated value, see lab report.

The following compounds were detected in blank samples at the concentrations shown.

4/11/95 Sample Round: Methylene chloride 2.8 ug/l
7/12/95 Sample Round: Acetone 5.0 ug/L, methylene chloride 5.2 ug/L, chloroform 1.0 ug/L, 2-butanone 3.0 ug/L.
10/16/95 Sample Round: Acetone 20 ug/L, methylene chloride 14 ug/L, chloroform 1.3 ug/L, 1,1,-trichloroethane 0.9 ug/L, 2-butanone 2.0 ug/L.
1/22/96 Sample Round: Acetone 10 ug/L.

APPENDIX D

SITE INSPECTION REPORT
JANUARY 22, 1996 SAMPLE ROUND

LONG-TERM QUARTERLY MONITORING REPORT
INTERIM REMEDIAL MEASURE
STRIPPIT, INC.
AKRON, NEW YORK

Date of Inspection: 1/22/96

Inspected By: R. Kampft

Summary of Observation:
General Condition of Cover: Generally good - Slight erosion in SW drainage channel. Some snow cover obscured complete view of cover

Evidence of Erosion, sloughing or other degradation: ☐ Yes ☒ No

Explain: Erosion areas repaired since last site visit (see photograph)

Evidence of cracking: ☐ Yes ☒ No

Explain (include measurements and site sketch):

Evidence of water seepage: ☐ Yes ☒ No

Explain:

Evidence of Settlement: ☐ Yes ☒ No

Explain:

Condition of monitoring wells and gas wells: All wells appear to be in good condition; seal on well GW-3, repaired last round, appears intact.

Condition of Vegetative Cover: Appears thick throughout but snow cover obscured some areas

Condition of drainage ways (discuss amount of water/sediments present, vegetative growth, unusual staining, blockage, etc.) Generally good, some standing water/ice observed in perimeter channels, slight erosion in northwest corner (see photographs)

Additional Comments: Grass cover not fully established in areas of recent repairs (see photographs). Re-inspection should be done in spring to assess winter impacts and the need for any repairs.

Action Item(s) Required: See above

Action Item(s) completed since last inspection: See above

Signatures: Raymond L Kampff

Repaired erosion area located east of well GW-4

Perimeter drainage channel looking south from northwest corner of IRM Cap

Repaired erosion area on
northern slope of IRM Cap

Northern drainage channel and IRM Cap
looking towards well GW-4