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REPORT (2000)

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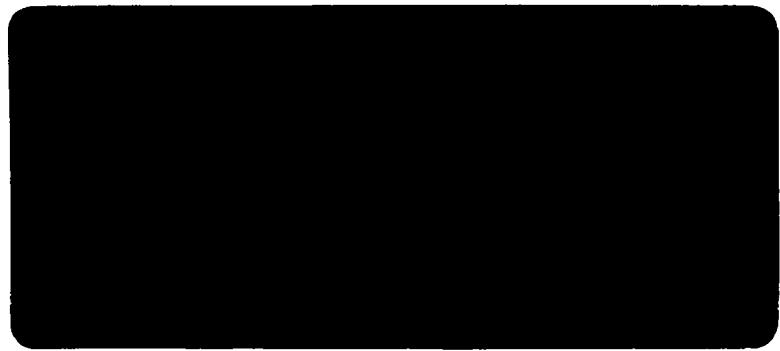
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ANNUAL MONITORING REPORT 2000
STRIPPIT, INC.
AKRON, NEW YORK
NYSDEC SITE NUMBER 9-15-053

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

Prepared for: Strippit, Inc.
12975 Clarence Center Road
Akron, New York 14001

Date: February 2001

TABLE OF CONTENTS

1.0	INTRODUCTION	1
2.0	GROUNDWATER SAMPLING PROCEDURES.....	2
3.0	GROUNDWATER ELEVATIONS AND FLOW PATTERNS	3
4.0	ANALYTICAL LABORATORY RESULTS	4
5.0	SITE INSPECTION REPORT: JANUARY 11, 2001 SAMPLE ROUND.....	5
6.0	DISCUSSION	6
7.0	CONCLUSIONS	10

Figures:

- Figure 1 Locus Plan
Figure 2 Site Plan
Figure 3 Potentiometric Contour Map For June 23, 1999 and October 1, 1999

Appendices:

- Appendix A Paradigm Environmental Services, Inc. Report and Chain-of-Custody Documentation: January 11, 2001 Sample Round
- Appendix B Monitoring Well Sample Logs: January 11, 2001 Sample Round
- Appendix C Summary of Detected Parameters, Mean Concentrations and Standard Deviations
- Appendix D Site Inspection Report: January 11, 2001 Sample Round

1.0 INTRODUCTION

Strippit, Inc. (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). The Site is identified by the NYSDEC as number 9-15-053.

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 described 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. This plan was reviewed and approved by the NYSDEC prior to implementation.

In accordance with a May 1, 1996 letter by the NYSDEC, the testing program outlined in the February 1995 plan was modified to include testing for the following parameters:

- Indicator Parameters: pH, specific conductance, turbidity and temperature
- Inorganic Parameters: total and soluble barium, iron, magnesium and manganese
- TCL Volatile Organic Compounds (VOCs)
- Total Phenols

In accordance with a June 24, 1998 letter by the NYSDEC, the frequency of groundwater sampling was reduced from quarterly to bi-annually.

This report summarizes the results of the eighteen (18) sample events completed at the Site between April 11, 1995 and January 11, 2001 and 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 and the results of the January 11, 2001 inspection of the Site.

2.0 GROUNDWATER SAMPLING PROCEDURES

Groundwater sampling initially includes the measurement of static water levels in each of the wells (designated GW-1 through GW-5, refer to Figure 2). 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.

A portion of the groundwater collected from each well was tested in the field for the following parameters using the equipment listed below.

- Specific conductance, pH and temperature: HYDAC Model 910 pH/Conductivity/Temperature Meter

In addition to the field testing, samples were also collected for analytical laboratory testing. These samples were placed in pre-cleaned sample containers provided by the analytical laboratory. The analytical laboratory also provided necessary preservatives which were added to the containers before they were returned to the laboratory. The containers for 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 delivered to 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 11, 2001 sample round are included with the test results in Appendix A.

Executed copies of the monitoring well sample logs for the January 11, 2001 sample round are included in Appendix B. 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. The groundwater depths and elevations measured during each of the sample rounds are included on the tables in Appendix C.

Groundwater contour maps for the seasonally highest and lowest groundwater elevations measured during the 2000 monitoring events [i.e., March 14, 2000 (seasonally low groundwater conditions) and June 22, 2000 (seasonally high groundwater conditions)] are included as Figure 3. 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 monitoring wells GW-2 and GW-5. The direction of groundwater flow is generally to the northwest (i.e., towards monitoring wells GW-1 and GW-3) and the north (i.e., towards monitoring well GW-4) for both the seasonally low and high groundwater conditions.

The groundwater elevations measured on June 22, 2000 (apparent seasonally high groundwater conditions) range from about 2.12 feet (GW-5) to about 2.27 feet (GW-3) higher than those measured on March 14, 2000 (apparent seasonally low groundwater conditions). Despite these variations the groundwater flow patterns are similar for the seasonally low and seasonally high groundwater conditions.

4.0 ANALYTICAL LABORATORY RESULTS

During the January 11, 2001 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-4. All samples were analyzed by Paradigm Environmental Services, Inc. (Paradigm) for the following parameters.

- TCL Volatile Organic Compounds via USEPA Method 8260
- 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
- Total phenolics via USEPA Method 420.1

Paradigm filtered a portion of unpreserved sample from each test location using a 2-micron filter to create the "soluble" sample for testing. A copy of Paradigm's report for the samples collected on January 11, 2001 is included in Appendix A.

Field and analytical test parameters measured above applicable detection limits reported by the analytical laboratory are summarized in the tables presented in Appendix C. This table also includes mean and standard deviation values calculated using data collected for each of the sampling events conducted to date. In addition, groundwater elevations measured during each sample round are summarized in these tables.

5.0 SITE INSPECTION REPORT: JANUARY 11, 2001 SAMPLE ROUND

A copy of the site inspection report completed during the January 11, 2001 sample round is included in Appendix D. Copies of photographs, showing the condition of the Site at the time of the site visit are also included in Appendix D.

6.0 DISCUSSION

The mean concentrations for the majority of the detected parameters are generally below Class GA standards established in the March 1998 update of 6 NYCRR Parts 700-706 for potable groundwater supplies. The mean concentrations exceeding these standards include total iron in all wells and soluble iron in wells GW-3, GW-4 and GW-5. The mean concentrations of total and soluble magnesium exceed the Class GA standards in samples from GW-1 and GW-4. The mean concentration of total phenols also exceeds the class GA standard in each well. However, the elevated detection limits utilized by the analytical laboratory appear to bias the phenol results. As such, it is unclear if the groundwater is impacted by total phenol. The mean concentration of methylene chloride in each well exceeds the Class GA standards. However, methylene chloride was typically detected in blank samples and, as such, the presence of elevated concentrations of methylene chloride may not be representative of site conditions. The mean concentration for other volatile organic compounds (i.e. with the exception of benzene concentrations measured in samples from GW-5) or semi-volatile organic compounds do not exceed the Class GA standards. The mean pH values measured in the upgradient wells (GW-2 and GW-5) exceed the Class GA standard of 10.5 standard units (s.u.) and the pH values measured in downgradient wells GW-4 (8.54 s.u.) and GW-1 (8.34 s.u.) also appear to be elevated.

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 parameters and this background value was compared to the mean concentration in each of the downgradient wells. This comparison indicates that the mean concentration in the downgradient wells for the following parameters exceeds the background concentration:

- specific conductance in wells GW-1 and GW-4;
- total and soluble magnesium in wells GW-1, GW-3 and GW-4;
- soluble manganese in wells GW-1, GW-3 and GW-4;
- total manganese in well GW-3;
- total phenols in well GW-3;
- dichlorodifluoromethane in well GW-3
- acetone in well GW-1;
- benzene in wells GW-3 and GW-4

- vinyl chloride in well GW-3;
- chloromethane in well GW-3;
- carbon disulfide in well GW-3;
- 2-butanone in well GW-3;
- trans 1,2-dichloroethene in well GW-3;
- 1,1,1-trichloroethane in well GW-3;
- chloroform in well GW-3;
- carbon tetrachloride in well GW-3;
- methylene chloride in well GW-3;
- trichloroethene in well GW-3;
- tetrachloroethene in well GW-3;
- m,p-xylene in wells GW-3, and GW-4;
- o-xylene in wells GW-3, and GW-4;
- toluene in well GW-4.

The mean concentration in the downgradient wells for the other detected compounds 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:

$$t = \frac{X_1 - X_2}{S (1/n)^{1/2}}$$

Where the background concentration (X_1) is compared to the mean concentration in downgradient wells (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 $\alpha = 0.005$), the increase in the downgradient wells is considered to be statistically significant.

The results of the t-tests indicate that the increases in the downgradient mean concentrations of total and soluble magnesium in wells GW-1, GW-3 and GW-4, specific conductance in wells GW-1 and GW-4 and soluble manganese in samples from monitoring well GW-3 are statistically significant. All of the other compounds evaluated were determined not to be statistically significant.

The specific conductance measurements and total magnesium concentrations obtained during the recent sampling rounds in the downgradient wells does not indicate an increasing trend of degradation. Specifically the concentrations of these parameters in samples from downgradient monitoring wells are relatively consistent between rounds. The table below illustrates this conclusion.

Sample Date	GW-1		GW-3		GW-4	
	Specific Conductivity (Umhos/cm)	Total Mg (mg/l)	Total Mg (mg/l)	Specific Conductivity (Umhos/cm)	Total Mg (mg/l)	
12/16/97	-	78	39.35	989	42.3	
3/13/98	1,140	65.8	28.7	985	36	
6/11/98	1,128	64.5	27.55	918	35.9	
12/14/98	877	59.8	24.6	745	31	
6/23/99	764	63.6	32.15	997	40	
12/15/99	866	57.7	31.6	806	27.7	
6/22/00	968	52.7	26.3	784	25.2	
1/11/01	666	43.4	31.6	595	32.1	
Mean	916	60.68	30.23	852	33.77	

The following table summarizes the mean pH values measured on a yearly basis and presents the mean value calculated for the 19 monitoring rounds conducted to date.

Sample Date	Upgradient Wells		Downgradient Wells		
	GW-2	GW-5	GW-1	GW-3	GW-4
1995 (3 rounds)	10.17	9.61	8.25	7.61	7.90
1996 (4 rounds)	11.60	10.93	8.57	8.06	8.14
1997 (4 rounds)	10.72	10.54	7.89	7.46	7.95
1998 (3 rounds)	11.41	11.16	8.13	8.13	8.83
1999 (2 rounds)	11.16	10.84	7.74	8.52	9.63
2000/2001 (3 rounds)	11.32	10.88	9.67	8.53	10.17
Mean	11.06	10.66	8.38	8.05	8.77

As shown on this table, the pH values measured in the upgradient wells are relatively consistent, however, the pH values in the downgradient wells, particularly well GW-4, exhibit an increasing trend beginning with the samples collected in 1998. For example, assuming that the pH values in well GW-4 were consistent prior to 1998, the calculated mean value of 8.0 s.u. is assumed to represent background conditions. During the subsequent years, the mean pH value in well GW-4 increased above the background level by 0.83 s.u. in 1998, 1.63 s.u. in 1999, and 2.17 s.u. in 2000/2001. The source of the apparent increase in pH concentrations within the downgradient wells is not known. As discussed previously, an increasing trend of groundwater quality degradation was not detected for the other parameters evaluated.

Monitoring of the IRM closure, during the January 11, 2001 sample round, indicates that the cap system is in relatively good condition and no significant areas of degradation were observed, however, snow cover at the time of the site visit prevented a complete observation of the closure area. Some of the drainage ways and the sedimentation basin appeared to contain accumulations of sediment and vegetation. These areas should be inspected when weather permits and, if deemed necessary, these areas should be cleared to facilitate surface water drainage. Refer to the Site inspection report and photographs included in Appendix D for additional information pertaining to the IRM Closure area.

7.0 CONCLUSIONS

Groundwater flow at the Site is generally to the north (i.e., towards monitoring well GW-4) and the northwest (i.e., towards monitoring wells GW-1 and GW-3). The monitoring wells GW-2 and GW-5 are positioned in upgradient locations relative to the IRM closure area and the remaining groundwater monitoring wells. During 2000, seasonal variations in groundwater elevations ranged between about 2.12 feet in monitoring well GW-5 to about 2.27 feet in monitoring well GW-3. Despite the seasonal variation groundwater flow patterns generally remained consistent at the Site.

A comparison of the mean concentrations measured in each of the groundwater monitoring wells for the eighteen sampling events conducted to date indicates that the majority of the compounds tested were detected at concentrations below Class GA standards established in NYCRR Parts 700-706. Mean concentrations exceeding these standards include total iron and total phenols in all monitoring wells and soluble iron in monitoring wells GW-3, GW-4 and GW-5. The mean concentrations of total and soluble magnesium exceed the Class GA standards in monitoring wells GW-1 and GW-4. The mean concentrations of methylene chloride exceed Class GA standards in all wells, but since methylene chloride was also detected in blank samples this finding does not appear to represent groundwater degradation at the Site.

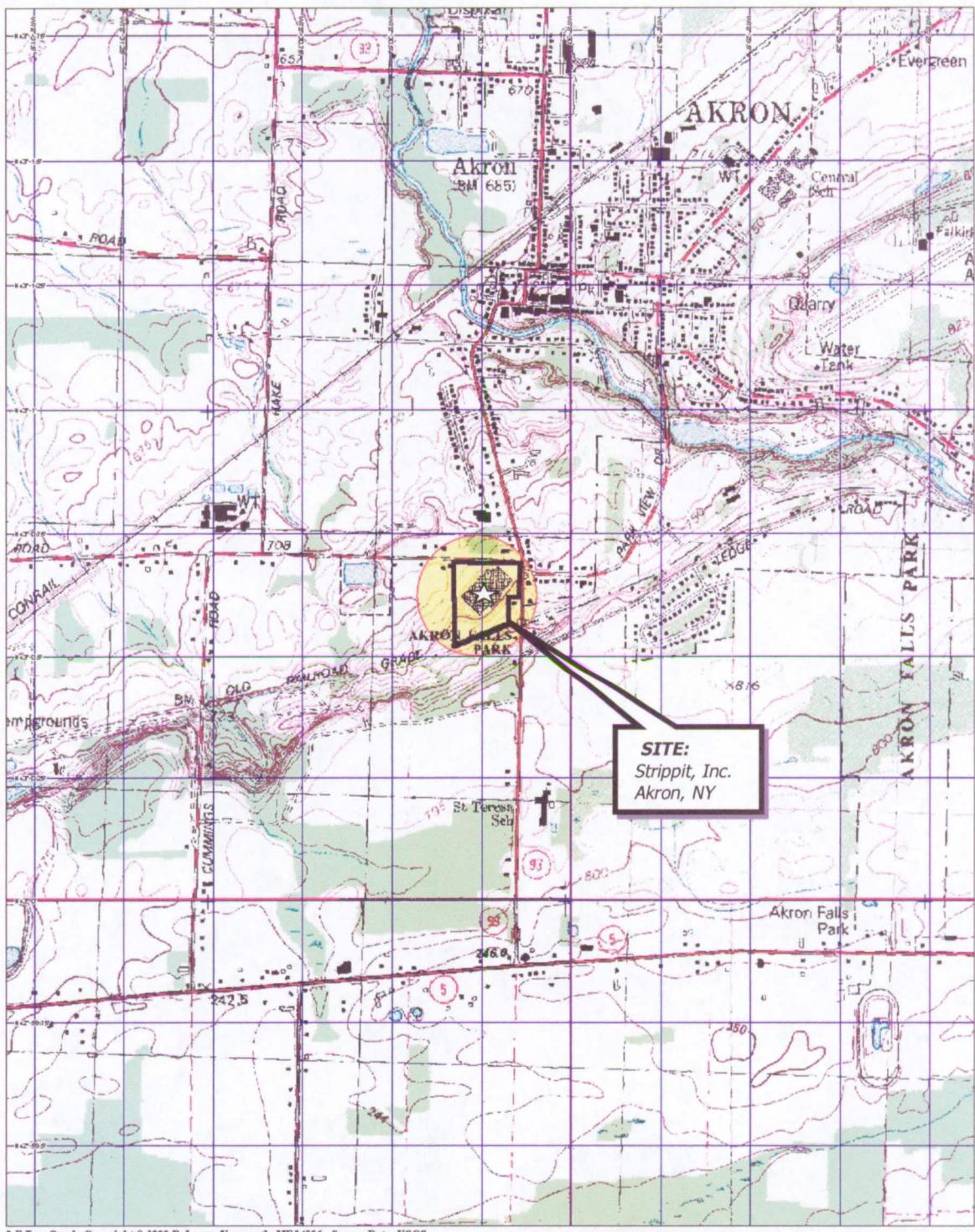
A statistical evaluation of the groundwater test data obtained to date suggests a statistically significant increase in the downgradient mean concentrations of total and soluble magnesium in samples from monitoring wells GW-1, GW-3, and GW-4; soluble manganese in GW-3; and specific conductance in samples from GW-1 and GW-4. Despite the apparently elevated magnesium concentrations and the statically significant specific conductivity values, a review of the test data does not suggest an increasing trend of groundwater degradation for these parameters. Rather the magnesium concentrations and specific conductivity concentrations remain relatively consistent between sample events. This trend seems to suggest that the IRM closure has been successful in controlling groundwater degradation. It is noted that occasional "spikes" of volatile organic compounds (VOCs) have been occasionally detected in downgradient wells GW-3 and GW-4. These wells are positioned near a parking lot and the elevated VOCs may be attributable to leakage from vehicles. Since the VOCs appear to be a random occurrence and not typical of a trend of increasing contamination, they do not appear to represent a concern at the present time.

Historically the groundwater in upgradient monitoring wells GW-2 and GW-5 exhibits elevated pH readings (i.e. in excess of 10.5 s.u.). During recent sampling events the pH in downgradient monitoring wells appears to have increased suggesting possible groundwater degradation. While the source of the apparent pH increase is not known, additional testing is recommended to further assess the pH values within the groundwater and to determine what, if any, action is needed. At a minimum, this should include measurement of pH during each quarterly monitoring event to assess possible seasonal impacts on the pH of the groundwater.

Based upon this annual evaluation of the IRM, it is recommended that quarterly groundwater level measurements, pH measurements and IRM closure inspection be conducted at the Site. In addition, samples should be collected bi-annually for analytical laboratory testing. It appears that the

groundwater samples should be monitored for the same parameters that are presently evaluated, however, consideration should be given to reducing the number of VOCs tested to selected indicator parameters including benzene, ethylbenzene, toluene, xylene, MEK and acetone. In addition, the drainage ways and sedimentation basin should be inspected when weather permits to determine if cleaning is necessary to promote surface water drainage.

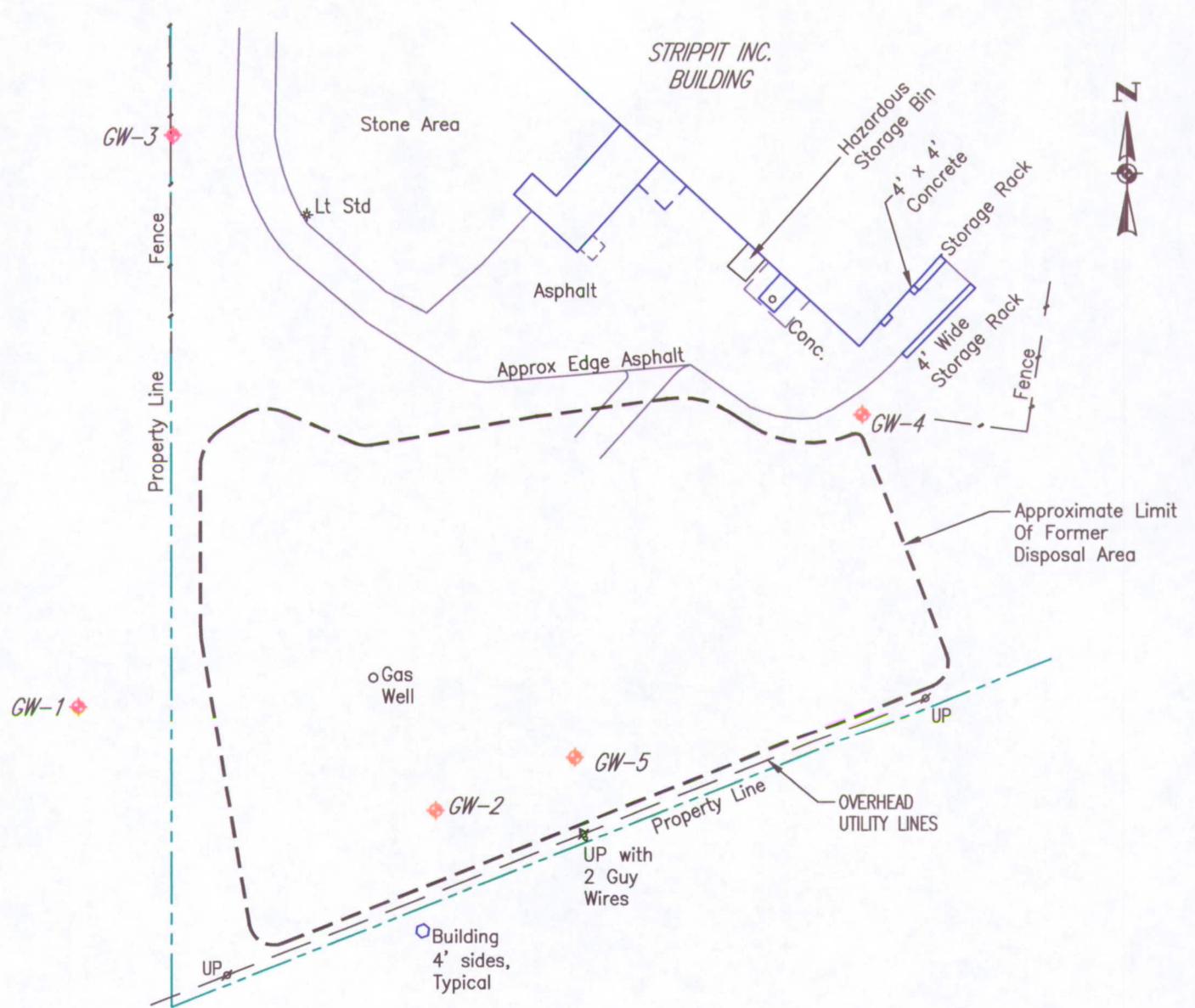
FIGURE 1
LOCUS PLAN



Drawing Produced From: 3-D TopoQuads, DeLorme Map Co., referencing USGS quad maps, Wolcottsville (NY) 1995; Akron (NY) 1995; Lancaster (NY) 1982; & Corfu (NY) 1984. Site Lat/Long: N43d-0.6' – W78d-30.25'

DATE 02/23/2001	day DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK 14623-2700	PROJECT TITLE STRIPPIT, INC. AKRON, NEW YORK	PROJECT NO. 1863R-99
DRAWN BY Tww		GROUNDWATER MONITORING	FIGURE 1
SCALE 1" = 2000'		DRAWING TITLE PROJECT LOCUS MAP	SHEET 1 OF 1

FIGURE 2
SITE PLAN

NOTES:

1. This drawing produced from a drawing provided by Deborah A. Naybor, PLS, PC. entitled "Topographic Map Of Part Of Lot 5, TWP. 12, Range 5, Section 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◆

Groundwater Monitoring Well With Designation

DATE	02/23/2001
DRAWN BY	TWW
SCALE	1" = 100'

day

DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14623-2700

PROJECT TITLE
STRIPPIT, INC.
AKRON, NEW YORK

GROUNDWATER MONITORING

DRAWING TITLE

Site Location Map

PROJECT NO.
1863R-99

FIGURE 2

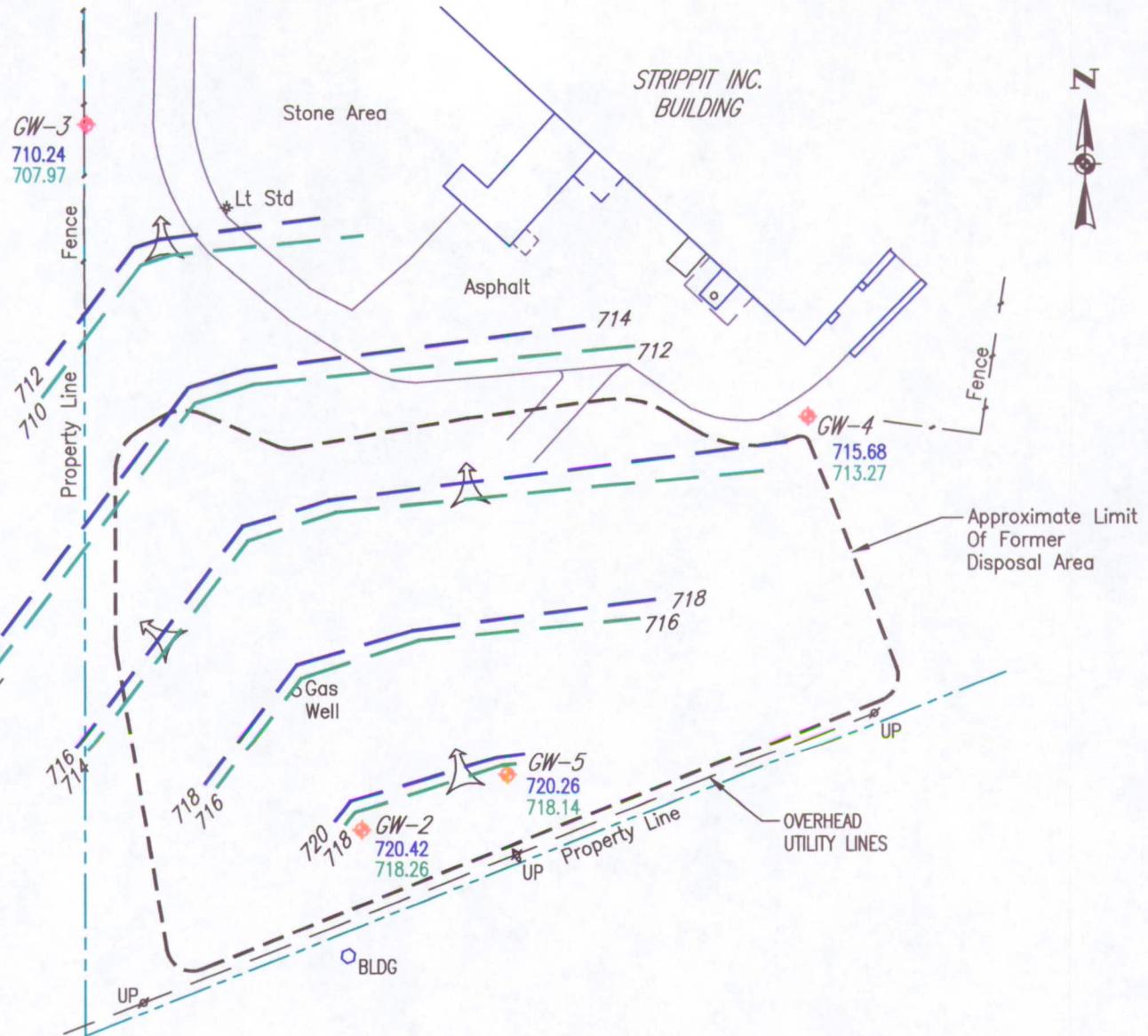
SHEET 1 OF 1

FIGURE 3

**POTENTIOMETRIC CONTOUR MAP
FOR MARCH 14, 2000 AND JUNE 22, 2000**

NOTES:

1. This drawing produced from a drawing provided by Deborah A. Naylor, PLS, PC. entitled "Topographic Map Of Part Of Lot 5, TWP. 12, Range 5, Section 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. Naylor, PLS, PC.

LEGEND

GW-1
714.65
712.44

Potentiometric Contour Line For 6-22-2000

Potentiometric Contour Line For 3-14-2000



Apparent Direction Of Groundwater Flow

DATE	02/19/2001
DRAWN BY	TWW
SCALE	1" = 100'



DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14623-2700

PROJECT TITLE
STRIPPIT, INC.
AKRON, NEW YORK

GROUNDWATER MONITORING

DRAWING TITLE
Groundwater Potentiometric Contour Map
For 3/14/2000 and 6/22/2000

PROJECT NO.
1863R-99

FIGURE 3
SHEET 1 OF 1

APPENDIX A

**PARADIGM ENVIRONMENTAL SERVICES, INC.
REPORT & CHAIN-OF-CUSTODY DOCUMENTATION
JANUARY 11, 2001 SAMPLE ROUND**

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2630 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	<u>Day Environmental</u>	Lab Project No.:	01-0182
Client Job Site:	Strippit	Lab Sample No.:	1246
Client Job No.:	1863R-99	Sample Type:	Water
Field Location:	GW-1	Date Sampled:	01/11/01
Field ID No.:	N/A	Date Received:	01/12/01
		Date Analyzed:	01/17/01

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.0	Benzene	ND< 0.5
Bromomethane	ND< 2.0	Chlorobenzene	ND< 2.0
Bromoform	ND< 2.0	Ethylbenzene	ND< 2.0
Carbon tetrachloride	ND< 0.5	Toluene	ND< 0.5
Chloroethane	ND< 2.0	m,p - Xylene	ND< 1.0
Chloromethane	ND< 1.0	o - Xylene	ND< 0.5
2-Chloroethyl vinyl ether	ND< 2.0	Styrene	ND< 2.0
Chloroform	ND< 0.5		
Dibromochloromethane	ND< 2.0		
1,1-Dichloroethane	ND< 0.5		
1,2-Dichloroethane	ND< 2.0		
1,1-Dichloroethene	ND< 2.0	<u>Ketones & Misc.</u>	
trans-1,2-Dichloroethene	ND< 0.5	Acetone	ND< 5.0
1,2-Dichloropropane	ND< 2.0	Vinyl acetate	ND< 5.0
cis-1,3-Dichloropropene	ND< 2.0	2-Butanone	ND< 5.0
trans-1,3-Dichloropropene	ND< 2.0	4-Methyl-2-pentanone	ND< 5.0
Methylene chloride	ND< 5.0	2-Hexanone	ND< 5.0
1,1,2,2-Tetrachloroethane	ND< 2.0	Carbon disulfide	ND< 1.0
Tetrachloroethene	ND< 0.5		
1,1,1-Trichloroethane	ND< 0.5		
1,1,2-Trichloroethane	ND< 2.0		
Trichloroethene	ND< 0.5		
Vinyl Chloride	ND< 1.0		

Analytical Method: EPA 8260

ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By Ron Root
 Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2630 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Day Environmental	Lab Project No.:	01-0182
Client Job Site:	Strippit	Lab Sample No.:	1247
Client Job No.:	1863R-99	Sample Type:	Water
Field Location:	GW-2	Date Sampled:	01/11/01
Field ID No.:	N/A	Date Received:	01/12/01
		Date Analyzed:	01/17/01

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.0	Benzene	ND< 0.5
Bromomethane	ND< 2.0	Chlorobenzene	ND< 2.0
Bromoform	ND< 2.0	Ethylbenzene	ND< 2.0
Carbon tetrachloride	ND< 0.5	Toluene	ND< 0.5
Chloroethane	ND< 2.0	m,p - Xylene	ND< 1.0
Chloromethane	ND< 1.0	o - Xylene	ND< 0.5
2-Chloroethyl vinyl ether	ND< 2.0	Styrene	ND< 2.0
Chloroform	ND< 0.5		
Dibromochloromethane	ND< 2.0		
1,1-Dichloroethane	ND< 0.5		
1,2-Dichloroethane	ND< 2.0		
1,1-Dichloroethene	ND< 2.0	<u>Ketones & Misc.</u>	
trans-1,2-Dichloroethene	ND< 0.5	Acetone	ND< 5.0
1,2-Dichloropropane	ND< 2.0	Vinyl acetate	ND< 5.0
cis-1,3-Dichloropropene	ND< 2.0	2-Butanone	ND< 5.0
trans-1,3-Dichloropropane	ND< 2.0	4-Methyl-2-pentanone	ND< 5.0
Methylene chloride	ND< 5.0	2-Hexanone	ND< 5.0
1,1,2,2-Tetrachloroethane	ND< 2.0	Carbon disulfide	ND< 1.0
Tetrachloroethene	ND< 0.5		
1,1,1-Trichloroethane	ND< 0.5		
1,1,2-Trichloroethane	ND< 2.0		
Trichloroethene	ND< 0.5		
Vinyl Chloride	ND< 1.0		

Analytical Method: EPA 8260

ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By



Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	<u>Day Environmental</u>	Lab Project No.:	01-0182
Client Job Site:	Strippit	Lab Sample No.:	1248
Client Job No.:	1863R-99	Sample Type:	Water
Field Location:	GW-3	Date Sampled:	01/11/01
Field ID No.:	N/A	Date Received:	01/12/01
		Date Analyzed:	01/17/01

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.0	Benzene	ND< 0.5
Bromomethane	ND< 2.0	Chlorobenzene	ND< 2.0
Bromoform	ND< 2.0	Ethylbenzene	ND< 2.0
Carbon tetrachloride	ND< 0.5	Toluene	ND< 0.5
Chloroethane	ND< 2.0	m,p - Xylene	ND< 1.0
Chloromethane	ND< 1.0	o - Xylene	ND< 0.5
2-Chloroethyl vinyl ether	ND< 2.0	Styrene	ND< 2.0
Chloroform	ND< 0.5		
Dibromochloromethane	ND< 2.0		
1,1-Dichloroethane	ND< 0.5		
1,2-Dichloroethane	ND< 2.0		
1,1-Dichloroethene	ND< 2.0	<u>Ketones & Misc.</u>	
trans-1,2-Dichloroethene	ND< 0.5	Acetone	ND< 5.0
1,2-Dichloropropane	ND< 2.0	Vinyl acetate	ND< 5.0
cis-1,3-Dichloropropene	ND< 2.0	2-Butanone	ND< 5.0
trans-1,3-Dichloropropane	ND< 2.0	4-Methyl-2-pentanone	ND< 5.0
Methylene chloride	ND< 5.0	2-Hexanone	ND< 5.0
1,1,2,2-Tetrachloroethane	ND< 2.0	Carbon disulfide	ND< 1.0
Tetrachloroethene	ND< 0.5		
1,1,1-Trichloroethane	ND< 0.5		
1,1,2-Trichloroethane	ND< 2.0		
Trichloroethene	ND< 0.5		
Vinyl Chloride	ND< 1.0		

Analytical Method: EPA 8260

ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By



Laboratory Director

**PARADIGM
ENVIRONMENTAL
SERVICES, INC.**

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

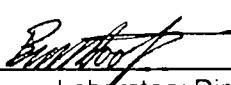
Client:	<u>Day Environmental</u>	Lab Project No.:	01-0182
Client Job Site:	Strippit	Lab Sample No.:	1249
Client Job No.:	1863R-99	Sample Type:	Water
Field Location:	GW-4	Date Sampled:	01/11/01
Field ID No.:	N/A	Date Received:	01/12/01
		Date Analyzed:	01/17/01

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.0	Benzene	ND< 0.5
Bromomethane	ND< 2.0	Chlorobenzene	ND< 2.0
Bromoform	ND< 2.0	Ethylbenzene	ND< 2.0
Carbon tetrachloride	ND< 0.5	Toluene	ND< 0.5
Chloroethane	ND< 2.0	m,p - Xylene	ND< 1.0
Chloromethane	ND< 1.0	o - Xylene	ND< 0.5
2-Chloroethyl vinyl ether	ND< 2.0	Styrene	ND< 2.0
Chloroform	ND< 0.5		
Dibromochloromethane	ND< 2.0		
1,1-Dichloroethane	ND< 0.5		
1,2-Dichloroethane	ND< 2.0		
1,1-Dichloroethene	ND< 2.0	<u>Ketones & Misc.</u>	
trans-1,2-Dichloroethene	ND< 0.5	Acetone	ND< 5.0
1,2-Dichloropropane	ND< 2.0	Vinyl acetate	ND< 5.0
cis-1,3-Dichloropropene	ND< 2.0	2-Butanone	ND< 5.0
trans-1,3-Dichloropropene	ND< 2.0	4-Methyl-2-pentanone	ND< 5.0
Methylene chloride	ND< 5.0	2-Hexanone	ND< 5.0
1,1,2,2-Tetrachloroethane	ND< 2.0	Carbon disulfide	ND< 1.0
Tetrachloroethene	ND< 0.5		
1,1,1-Trichloroethane	ND< 0.5		
1,1,2-Trichloroethane	ND< 2.0		
Trichloroethene	ND< 0.5		
Vinyl Chloride	ND< 1.0		

Analytical Method: EPA 8260

ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By 
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Day Environmental	Lab Project No.:	01-0182
Client Job Site:	Strippit	Lab Sample No.:	1250
Client Job No.:	1863R-99	Sample Type:	Water
Field Location:	GW-5	Date Sampled:	01/11/01
Field ID No.:	N/A	Date Received:	01/12/01
		Date Analyzed:	01/17/01

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.0	Benzene	ND< 0.5
Bromomethane	ND< 2.0	Chlorobenzene	ND< 2.0
Bromoform	ND< 2.0	Ethylbenzene	ND< 2.0
Carbon tetrachloride	ND< 0.5	Toluene	ND< 0.5
Chloroethane	ND< 2.0	m,p - Xylene	ND< 1.0
Chloromethane	ND< 1.0	o - Xylene	ND< 0.5
2-Chloroethyl vinyl ether	ND< 2.0	Styrene	ND< 2.0
Chloroform	ND< 0.5		
Dibromochloromethane	ND< 2.0		
1,1-Dichloroethane	ND< 0.5		
1,2-Dichloroethane	ND< 2.0		
1,1-Dichloroethene	ND< 2.0	<u>Ketones & Misc.</u>	
trans-1,2-Dichloroethene	ND< 0.5	Acetone	ND< 5.0
1,2-Dichloropropane	ND< 2.0	Vinyl acetate	ND< 5.0
cis-1,3-Dichloropropene	ND< 2.0	2-Butanone	ND< 5.0
trans-1,3-Dichloropropane	ND< 2.0	4-Methyl-2-pentanone	ND< 5.0
Methylene chloride	ND< 5.0	2-Hexanone	ND< 5.0
1,1,2,2-Tetrachloroethane	ND< 2.0	Carbon disulfide	ND< 1.0
Tetrachloroethene	ND< 0.5		
1,1,1-Trichloroethane	ND< 0.5		
1,1,2-Trichloroethane	ND< 2.0		
Trichloroethene	ND< 0.5		
Vinyl Chloride	ND< 1.0		

Analytical Method: EPA 8260

ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By 
 Laboratory Director

**PARADIGM
ENVIRONMENTAL
SERVICES, INC.**

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	<u>Day Environmental</u>	Lab Project No.:	01-0182
Client Job Site:	Strippit	Lab Sample No.:	1251
Client Job No.:	1863R-99	Sample Type:	Water
Field Location:	Duplicate	Date Sampled:	01/11/01
Field ID No.:	N/A	Date Received:	01/12/01
		Date Analyzed:	01/17/01

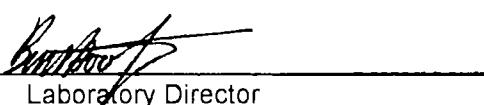
VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.0	Benzene	ND< 0.5
Bromomethane	ND< 2.0	Chlorobenzene	ND< 2.0
Bromoform	ND< 2.0	Ethylbenzene	ND< 2.0
Carbon tetrachloride	ND< 0.5	Toluene	ND< 0.5
Chloroethane	ND< 2.0	m,p - Xylene	ND< 1.0
Chloromethane	ND< 1.0	o - Xylene	ND< 0.5
2-Chloroethyl vinyl ether	ND< 2.0	Styrene	ND< 2.0
Chloroform	ND< 0.5		
Dibromochloromethane	ND< 2.0		
1,1-Dichloroethane	ND< 0.5		
1,2-Dichloroethane	ND< 2.0		
1,1-Dichloroethene	ND< 2.0	<u>Ketones & Misc.</u>	
trans-1,2-Dichloroethene	ND< 0.5	Acetone	ND< 5.0
1,2-Dichloropropane	ND< 2.0	Vinyl acetate	ND< 5.0
cis-1,3-Dichloropropene	ND< 2.0	2-Butanone	ND< 5.0
trans-1,3-Dichloropropane	ND< 2.0	4-Methyl-2-pentanone	ND< 5.0
Methylene chloride	ND< 5.0	2-Hexanone	ND< 5.0
1,1,2,2-Tetrachloroethane	ND< 2.0	Carbon disulfide	ND< 1.0
Tetrachloroethene	ND< 0.5		
1,1,1-Trichloroethane	ND< 0.5		
1,1,2-Trichloroethane	ND< 2.0		
Trichloroethene	ND< 0.5		
Vinyl Chloride	ND< 1.0		

Analytical Method: EPA 8260

ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By



Laboratory Director

PARADIGM
Environmental
Services, Inc.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Client:	<u>Day Environmental</u>	Lab Project No.:	01-0182
		Lab Sample No.:	1246
Client Job Site:	Strippit	Sample Type:	Groundwater
Client Job No.:	1863R-99	Date Sampled:	01/11/2001
Field Location:	GW-1	Date Received:	01/12/2001

Parameter	Date Analyzed	Method	Total Results (mg/L)	Soluble Results (mg/L)
Barium	01/16/2001	EPA 6010	0.027	0.021
Iron	01/16/2001	EPA 6010	0.522	<0.100
Magnesium	01/16/2001	EPA 6010	43.4	42.2
Manganese	01/16/2001	EPA 6010	0.030	0.012

ELAP ID No.: 10958

Comments: Soluble metals filtered to 0.45µm in lab.

Approved By: _____



Laboratory Director

File ID: 010182p1

PARADIGM
Environmental
Services, Inc.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Client: Day Environmental Lab Project No.: 01-0182
Lab Sample No.: 1247
Client Job Site: Strippit Sample Type: Groundwater
Client Job No.: 1863R-99 Date Sampled: 01/11/2001
Field Location: GW-2 Date Received: 01/12/2001

Parameter	Date Analyzed	Method	Total Results (mg/L)	Soluble Results (mg/L)
Barium	01/16/2001	EPA 6010	0.176	0.129
Iron	01/16/2001	EPA 6010	2.36	0.143
Magnesium	01/16/2001	EPA 6010	1.88	<0.050
Manganese	01/16/2001	EPA 6010	0.042	<0.010

ELAP ID No.: 10958

Comments: Soluble metals filtered to 0.45um in lab.

Approved By: Bethany
Laboratory Director

File ID: 010182p2

PARADIGM

Environmental Services, Inc.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Client:	<u>Day Environmental</u>	Lab Project No.:	01-0182
		Lab Sample No.:	1248
Client Job Site:	Strippit	Sample Type:	Groundwater
Client Job No.:	1863R-99	Date Sampled:	01/11/2001
Field Location:	GW-3	Date Received:	01/12/2001

ELAP ID No.: 10958

Comments: Soluble metals filtered to 0.45um in lab.

Approved By: *[Signature]*
Laboratory Director

File ID: 010182p3

PARADIGM **Environmental** **Services, Inc.**

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Client:	<u>Day Environmental</u>	Lab Project No.:	01-0182
		Lab Sample No.:	1249
Client Job Site:	Strippit	Sample Type:	Groundwater
Client Job No.:	1863R-99	Date Sampled:	01/11/2001
Field Location:	GW-4	Date Received:	01/12/2001

ELAP ID No.: 10958

Comments: Soluble metals filtered to 0.45µm in lab.

Approved By: _____

Laboratory Director

File ID: 010182p4

PARADIGM **Environmental** **Services, Inc.**

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Client:	<u>Day Environmental</u>	Lab Project No.:	01-0182
		Lab Sample No.:	1250
Client Job Site:	Strippit	Sample Type:	Groundwater
Client Job No.:	1863R-99	Date Sampled:	01/11/2001
Field Location:	GW-5	Date Received:	01/12/2001

ELAP ID No.: 10958

Comments: Soluble metals filtered to 0.45um in lab.

Approved By: Dawn M. Poff
Laboratory Director

File ID: 010182p5

PARADIGM
Environmental
Services, Inc.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Client:	<u>Day Environmental</u>	Lab Project No.:	01-0182
		Lab Sample No.:	1251
Client Job Site:	Strippit	Sample Type:	Groundwater
Client Job No.:	1863R-99	Date Sampled:	01/11/2001
Field Location:	Dupe	Date Received:	01/12/2001

ELAP ID No.: 10958

Comments: Soluble metals filtered to 0.45um in lab.

Approved By: J. B. B. **Laboratory Director**

File ID: 010182p6

PARADIGM
Environmental
Services, Inc.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Client: Day Environmental Lab Project No.: 01-0182
Client Job Site: Strippit Sample Type: Water
Client Job No.: 18631R-99 Analytical Method: EPA 420.1
Date Sampled: 01/11/2001
Date Received: 01/12/2001
Date Analyzed: 01/17/2001

Lab Sample ID.	Client Sample ID.	Field Location	Total Phenols (mg/l)
1246	N/A	GW-1	ND<0.002
1247	N/A	GW-2	ND<0.002
1248	N/A	GW-3	ND<0.002
1249	N/A	GW-4	ND<0.002
1250	N/A	GW-5	ND<0.002
1251	N/A	Dupe	ND<0.002

ELAP ID. No.:10709

Comments: ND denotes Non Detected.

Approved By: 
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue

Rochester, NY 14608

(716) 647-2530 * (800) 724-1997

PROJECT NAME/SITE NAME:

Shipp
15638-99

CHAIN OF CUSTODY

REPORT TO:				INVOICE TO:				LAB PROJECT #:	CLIENT PROJECT #:	
COMPANY: <i>DAG Env.</i>	ADDRESS: <i>2144 Bristol Avenue, Rochester, NY 14623</i>	CITY: <i>Rochester</i>	STATE: <i>NY</i>	ZIP: <i>14623</i>	COMPANY: <i>STPMS</i>	ADDRESS: <i>STPMS</i>	STATE: <i>NY</i>	ZIP: <i>14623</i>	01-0182	TURNAROUND TIME: (WORKING DAYS)
PHONE: <i>292-1990(x109)</i>	FAX: <i>292-0425</i>	PHONE:	FAX:						1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 4 <input type="checkbox"/>	STD OTHER
ATTN: <i>Ray Campbell</i>	ATTN:									
COMMENTS: Sol. metals Filted @ LGS / lower Det. limits for UOA's										

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	G R A B	SAMPLE LOCATION/FIELD ID	MATRIX	C O N T U M A B I E N R E R S	8260 TCL	Total/39.0 mg/m³	8261 B, Fe, Mg	total/Fe, mg/m³	total/Brine, g	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	1/11/01 15:35			Gw-1	H2O	4	X	X	X	X	X		12416
2	15:40			Gw-2			X	X	X	X	X		12417
3	15:40			Gw-3			X	X	X	X	X		12418
4	15:20			Gw-4			X	X	X	X	X		12419
5	15:50			Gw-5			X	X	X	X	X		12420
6	—			Dupe			X	X	X	X	X		1251
7													
8													
9													
10													

****LAB USE ONLY****

SAMPLE CONDITION: Check box if acceptable or note deviation:

CONTAINER TYPE:

PRESERVATIONS:

HOLDING TIME:

TEMPERATURE:

4
on ice

Sampled By:

Date/Time:

Received By:

Date/Time:

Total Cost:

Relinquished By:

Date/Time:

Received By:

Date/Time:

Relinquished By:

Date/Time:

Received @ Lab By:

Date/Time:

P.I.F.

1/12/01 13:55

L. Bethel

1/12/01 13:55

APPENDIX B

**MONITORING WELL SAMPLE LOGS
JANUARY 11, 2001 SAMPLE ROUND**

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL GW-1

SECTION 1 - SITE INFORMATION

SITE LOCATION: Strippit, Akron, New York	JOB #: 1863R-99
PROJECT NAME: Post Closure Long Term Monitoring	DATE : 1/11/01
SAMPLE COLLECTOR(S): Aaron Farrell / Kirk Hampton	
WEATHER CONDITIONS: Cloudy ~30° Windy	
PID IN WELL (PPM): _____	

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 58.58	(MEASURED FROM TOP OF CASING - T.O.C.)
STATIC WATER LEVEL (SWL) [FT]: 40.80	(MEASURED FROM T.O.C.)
DEPTH OF WATER COLUMN [FT]: 17.78	(DEPTH OF WELL - SWL)
CALCULATED VOL. OF H₂O PER WELL CASING [GAL]: 2.9	CASING DIA.: 2"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS VOL. OF H ₂ O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT
¾" (0.0625)	0.023	
1" (0.0833)	0.041	
1¼" (0.1041)	0.063	
2" (0.1667)	0.1632	
3" (0.250)	0.380	
4" (0.3333)	0.6528	
4½" (0.375)	0.826	
6" (0.5000)	1.4688	
8" (0.666)	2.611	

CALCULATED PURGE VOLUME [GAL]: 8.7 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: Dry @ 3

PURGE METHOD: 3" Bailer	PURGE START: _____	END: _____
--------------------------------	---------------------------	-------------------

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
	01/11/01 / 1535	3" Bailer	8260 TCL / Total Metals / Soluable Metals / Total Phenolics

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY µS/cm	TURBIDITY (NTU)	VISUAL
48.23	45.1	10.57	666	-	Clear

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-2

SECTION 1 - SITE INFORMATION

SITE LOCATION: Strippit, Akron, New York	JOB #: 1863R-99
PROJECT NAME: Post Closure Long Term Monitoring	DATE : 1/11/01
SAMPLE COLLECTOR(S): Aaron Farrell / Kirk Hampton	
WEATHER CONDITIONS: Cloudy ~30° Windy	PID IN WELL (PPM): _____

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 78.54 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 51.36 (MEASURED FROM T.O.C.)

DEPTH OF WATER COLUMN [FT]: 27.18 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H₂O PER WELL CASING [GAL]: 4.44 **CASING DIA.:** 2"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS VOL. OF H ₂ O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT
3/8" (0.0625)	0.023	
1" (0.0833)	0.041	
1 1/4" (0.1041)	0.063	
2" (0.1667)	0.1632	
3" (0.250)	0.380	
4" (0.3333)	0.6528	
4 1/2" (0.375)	0.826	
6" (0.5000)	1.4688	
8" (0.666)	2.611	

CALCULATED PURGE VOLUME [GAL]: 13.32 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: Dry @ 4

PURGE METHOD: 3" Bailer **PURGE START:** _____ **END:** _____

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
	01/11/01 / 1540	3" Bailer	8260 TCL / Total Metals / Soluable Metals / Total Phenolics

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY µS/cm	TURBIDITY (NTU)	VISUAL
64.56	46.3	11.56	564	-	Clear

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-3

SECTION 1 - SITE INFORMATION

SITE LOCATION:	Strippit, Akron, New York	JOB #:	1863R-99
PROJECT NAME:	Post Closure Long Term Monitoring	DATE :	1/11/01
SAMPLE COLLECTOR(S):	Aaron Farrell / Kirk Hampton		
WEATHER CONDITIONS:	Cloudy ~30° Windy	PID IN WELL (PPM):	

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 50.06 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 33.59 (MEASURED FROM T.O.C.)

DEPTH OF WATER COLUMN [FT]: 16.47 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H₂O PER WELL CASING [GAL]: 2.69 Casing Dia.: 2"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
3/4" (0.0625)	0.023
1" (0.0833)	0.041
1 1/4" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4 1/2" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS

VOL. OF H₂O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 8.07 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~8.5

PURGE METHOD: _____

PURGE START: 13:53

END: 14:07

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
	01/11/01 / 1510	3" Bailer	8260 TCL / Total Metals / Soluable Metals / Total Phenolics

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY µS/cm	TURBIDITY (NTU)	VISUAL
33.51	44.8	9.73	399	-	Clear

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-4

SECTION 1 - SITE INFORMATION	
SITE LOCATION: Strippit, Akron, New York	JOB #: 1863R-99
PROJECT NAME: Post Closure Long Term Monitoring	DATE : 1/11/01
SAMPLE COLLECTOR(S): Aaron Farrell / Kirk Hampton	
WEATHER CONDITIONS: Cloudy ~30° Windy	PID IN WELL (PPM): _____

SECTION 2 - PURGE INFORMATION		
DEPTH OF WELL (FT): 52.89	(MEASURED FROM TOP OF CASING - T.O.C.)	
STATIC WATER LEVEL (SWL) (FT): 37.88	(MEASURED FROM T.O.C.)	
DEPTH OF WATER COLUMN (FT): 15.01	(DEPTH OF WELL - SWL)	
CALCULATED VOL. OF H₂O PER WELL CASING (GAL): 2.45	CASING DIA.: 2"	
CALCULATIONS:		
CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS
3/8" (0.0625)	0.023	VOL. OF H ₂ O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT
1" (0.0833)	0.041	
1 1/4" (0.1041)	0.063	
2" (0.1667)	0.1632	
3" (0.250)	0.380	
4" (0.3333)	0.6528	
4 1/2" (0.375)	0.826	
6" (0.5000)	1.4688	
8" (0.666)	2.611	
CALCULATED PURGE VOLUME (GAL): 7.35 (3 TIMES CASING VOLUME)		
ACTUAL VOLUME PURGED (GAL): ~7.5		
PURGE METHOD: 3" Bailer	PURGE START: 13:32	END: 13:50

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
	01/11/01 / 1520	3" Bailer	8260 TCL / Total Metals / Soluable Metals / Total Phenolics

SECTION 4 - WATER QUALITY DATA					
SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY µS/cm	TURBIDITY (NTU)	VISUAL
42.57	45.0	9.37	595	-	Clear

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-5

SECTION 1 - SITE INFORMATION

SITE LOCATION: Strippit, Akron, New York	JOB #: 1863R-99
PROJECT NAME: Post Closure Long Term Monitoring	DATE : 1/11/01
SAMPLE COLLECTOR(S): Aaron Farrell / Kirk Hampton	
WEATHER CONDITIONS: Cloudy ~30° Windy	PID IN WELL (PPM): _____

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 74.25	(MEASURED FROM TOP OF CASING - T.O.C.)
STATIC WATER LEVEL (SWL) [FT]: 52.21	(MEASURED FROM T.O.C.)
DEPTH OF WATER COLUMN [FT]: 22.04	(DEPTH OF WELL - SWL)
CALCULATED VOL. OF H₂O PER WELL CASING [GAL]: 3.60	CASING DIA.: 2"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
5/8" (0.0625)	0.023
1" (0.0833)	0.041
1 1/4" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4 1/2" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS

VOL. OF H₂O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 10.8 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: Dry @ 4

PURGE METHOD: 3" Bailer **PURGE START:** _____ **END:** _____

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
	01/11/01 / 350	3" Bailer	8260 TCL / Total Metals / Soluable Metals / Total Phenolics

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY µS/cm	TURBIDITY (NTU)	VISUAL
65.42	48.8	5.58	648	-	Clear

APPENDIX C

**SUMMARY OF DETECTED PARAMETERS,
MEAN CONCENTRATIONS
AND STANDARD DEVIATIONS**

STRIPPIT, INC
INTERIM REMEDIAL MEASURE
POSTCLOSURE MONITORING
SUMMARY OF DETECTED GROUNDWATER PARAMETERS
QUARTERLY SAMPLING: 4/95 TO 01/01:GW1

TEST PARAMETER	UNITS	SAMPLE ROUND																				Mean	St. Dev
		4/11/95	7/12/95	10/16/95	1/22/96	5/8/96	8/6/96	10/29/96	2/6/97	6/9/97	9/15/97	12/16/97	3/13/98	6/11/98	12/14/98	6/23/99	12/15/99	6/22/00	1/11/01				
pH	Standard	7.35	8.76	8.63	9.07	8.87	8.04	8.31	8.55	7.38	7.82	7.35	8.37	7.75	8.28	7.502	7.95	8.77	10.57	8.34	0.792		
specific conductance	uMHOS/cm	1,400	1,170	751	889	1,297	862	1,179	870	1,660	1,292		1140	1128	877	764	866	968	666	1,045.82	267.153		
turbidity	NTU	85.8	200	46.6		101.6	83.8	135.2											0	93.29	63.563		
barium, soluble	mg/L	0.058	0.059	0.06	0.12	0.054	0.03	0.04	0.033	0.027	0.02	0.024	0.027	0.028	0.022	0.02	0.02	0.027	0.021	0.04	0.025		
barium, total	mg/L	0.079	0.123	0.07	0.13	0.054	0.04	0.0575	0.041	0.0624	0.033	0.035	0.023	0.032	0.095.0	0.041	0.036	0.025	0.027	0.05	0.032		
iron, soluble	mg/L	0.03	0.36	0.13	8.24	0.15	0.03	1.065	0.04	0.812	0.061	0.05	0.127	0.05	0.232	0.05	0.05	0.1	0.1	0.65	1.916		
iron, total	mg/L	1.46	6.82	2.53	8.34	0.15	0.17	2.96	1	5.91	0.985	1.21	0.229	0.676	8.66	1.96	0.724	0.1	0.522	2.47	2.894		
magnesium, soluble	mg/L	50.8	44.6	47.5	66.8	62.9	68.6	57.35	63	56	55.2	66.5	66.2	62.2	47.2	62.3	53.5	51	42.2	56.88	8.336		
magnesium, total	mg/L	54	52	56.8	68.8	62.9	71.2	64.8	65.6	66.3	69.3	78	65.8	64.5	59.8	63.6	57.7	52.7	43.4	62.07	8.226		
manganese, soluble	mg/L	0.005	0.026	0.01	0.23	0.039	0.021	0.04	0.015	0.0347	0.02	0.013	0.017	0.042	0.16	0.036	0.023	0.032	0.012	0.04	0.058		
manganese, total	mg/L	0.038	0.171	0.08	0.24	0.039	0.024	0.085	0.041	0.158	0.03	0.049	0.019	0.069	0.255	0.084	0.049	0.033	0.03	0.08	0.073		
total phenols	mg/L					0.005	0.005	0.005	0.005	0.005	0.002	0.002	0.005	0.03	0.029	0.002	0.002	0.004	0.002	0.01	0.009		
dichlorodifluoromethane	ug/L	0.5	0.5	0.5	0.5	1.00	1.00	1.00	1.00											0.75	0.267		
chloromethane	ug/L	0.5	0.5	0.5	0.5	1.00	1.00	1.00	5.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.11	0.993		
vinyl chloride	ug/L	0.5	0.5	0.5	0.5	1.00	1.00	1.00	1.00	5.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.11	0.993		
acetone	ug/L	26.00	5.00	34.00	6.00	71.00	5.00	5.00	5.00	20.00	5.00	5.00	241.9	5.00	5.00	5.00	5.00	5.00	5.00	25.49	56.582		
carbon disulfide	ug/L	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	10.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.28	2.191		
trans,1,2dichloroethene	ug/L	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75	1.061		
1,1dichloroethane	ug/L	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75	1.061		
chloroform	ug/L	0.5	0.5	1.5	0.5	0.5	1.00	0.5	0.5	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.83	1.071		
2butanone	ug/L	1.00	2.00	0.5	0.5	1.00	1.00	1.00	2.00	10.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	3.31	2.613		
1,1,1trichloroethane	ug/L	0.5	0.5	0.9	0.5	0.5	0.5	0.5	0.5	5.0	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.77	1.059		
carbon tetrachloride	ug/L	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	5.0	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75	1.061		
benzene	ug/L	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	5.0	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75	1.061		
trichloroethene	ug/L	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	5.0	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75	1.061		
toluene	ug/L	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	5.0	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.76	1.060		
tetrachloroethene	ug/L	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	5.0	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75	1.061		
methylene chloride	ug/L	11.00	5.00	21.00	5.00	35.00	14.00	5.00	5.00	5.0	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	8.39	7.920		
m,p-xlyenes	ug/L	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	5.0	1.00	1.90	1.00	1.00	1.00	1.00	1.00	1.00	1.27	0.954		
o-xlyenes	ug/L	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	5.0	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75	1.061		
phenol	ug/L	1.00	1.00	1.00	1.00														1.00	0.000			
groundwater elevation	feet	713.43	711.04	710.09	712.82	715.76	714.71	714.29	715.02	715.09	712.34	713.81	715.52	715.27	711.01	713.24	710.6	714.65	713.52	713.46	1.795		

STRIPPIT, INC.
INTERIM REMEDIAL MEASURE
POSTCLOSURE MONITORING
SUMMARY OF DETECTED GROUNDWATER PARAMETERS
QUARTERLY SAMPLING: 4/95 TO 01/01: GW2

TEST PARAMETER	UNITS	SAMPLE ROUND																				
		4/11/95	7/12/95	10/16/95	1/22/96	5/8/96	8/6/96	10/29/96	2/6/97	6/9/97	9/15/97	12/16/97	3/13/98	6/11/98	12/14/98	6/23/99	12/15/99	6/22/00	1/11/01	Mean	St. Dev	
pH	Standard	7.23	11.58	11.71	12.23	11.55	11.33	11.29	11.31	10.51	10.61	10.43	11.54	11.28	11.42	11.04	11.28	10.81	11.56	11.04	1.05	
specific conductance	uMHOS/cm	1870.00	1170.00	695.00	771.00	1239.00	1050.00	827.00	244.00	770.00	904.00	864.00	79.50	799.00	676.00	761.00	592.00	493.00	564.00	798.25	391.36	
turbidity	NTU	200.00	16.50	11.90		11.60	6.91	3.92	74.00											46.40	71.90	
barium, soluble	mg/L	0.20	0.20	0.18	0.15	0.12	0.13	0.17	0.12	0.10	0.09	0.05	0.09	0.09	0.09	0.14	0.12	0.11	0.13	0.13	0.04	
barium, total	mg/L	0.21	0.21	0.21	0.18	0.12	0.13	0.14	0.13	0.11	0.11	0.10	0.09	0.12	0.11	0.15	0.17	0.12	0.18	0.14	0.04	
iron, soluble	mg/L	0.03	0.15	0.01	0.43	0.09	0.03	0.10	0.34	0.10	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.18	0.14	0.11	
iron, total	mg/L	0.25	0.49	1.44	1.26	0.09	0.18	0.26	0.41	0.10	0.32	9.35	0.19	0.25	0.43	1.23	2.23	1.27	2.36	1.23	2.15	
magnesium, soluble	mg/L	0.05	0.14	0.23	1.01	0.47	0.95	0.91	0.09	0.50	0.50	4.10	0.04	0.10	0.21	0.13	0.11	0.25	0.05	0.55	0.94	
magnesium, total	mg/L	1.03	0.36	0.91	1.36	0.47	2.51	2.80	0.34	0.50	0.50	23.30	0.22	0.39	0.40	1.14	1.86	1.58	1.66	2.30	5.30	
manganese, soluble	mg/L	0.01	0.05	0.01	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.01	0.01	0.02	
manganese, total	mg/L	0.01	0.15	0.02	0.04	0.01	0.01	0.03	0.01	0.01	0.02	0.22	0.01	0.01	0.01	0.01	0.03	0.04	0.04	0.04	0.06	
total phenols	mg/L					0.01	0.02	0.01	0.01	0.01	0.02	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.01	
dichlorodifluoromethane	ug/L	0.50	0.50	0.50	0.50	1.00	1.00	1.00												0.75	0.27	
chloromethane	ug/L	0.50	0.50	0.50	0.50	1.00	1.00	1.00	1.00	5.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.11	0.99
vinyl chloride	ug/L	0.50	0.50	0.50	0.50	1.00	1.00	1.00	1.00	5.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.11	0.99
acetone	ug/L	31.00	33.00	63.00	24.00	100.00	21.00	47.00	19.00	20.00	5.00	5.00	9.60	29.60	10.80	6.90	5.00	5.00	5.00	24.44	24.87	
carbon disulfide	ug/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	10.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.28	2.19
trans1,2dichloroethene	ug/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75	1.06
1,1dichloroethane	ug/L	0.60	0.50	0.70	0.50	0.50	0.50	0.70	0.60	5.00	0.50	0.50	0.50	0.50	0.50	0.50	1.00	1.00	1.00	0.89	1.04	
chloroform	ug/L	0.50	0.50	2.00	0.60	0.50	0.80	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.86	1.09
2butanone	ug/L	3.00	6.00	0.50	2.00	4.00	1.00	1.00	2.00	10.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.14	2.27
1,1,1trichloroethane	ug/L	0.50	0.70	0.60	0.50	0.50	0.60	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.77	1.06
carbon tetrachloride	ug/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75	1.06
benzene	ug/L	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.76	1.06
trichloroethene	ug/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75	1.06
toluene	ug/L	0.70	0.50	0.90	0.60	0.80	1.00	0.90	0.60	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.86	1.05
tetrachloroethene	ug/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75	1.06
methylene chloride	ug/L	11.00	5.00	23.00	10.00	38.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	8.44	8.61
m,p-xlyenes	ug/L	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.22	0.94
o-xlyenes	ug/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75	1.06
phenol	ug/L	1.00	5.60	2.00	3.00															2.90	1.98	
groundwater elevation	feet	719.90	717.08	715.62	718.59	721.58	720.24	719.96	721.22	720.69	717.76	719.67	721.29	720.39	715.77	717.64	716.20	720.42	721.26	719.18	2.01	

STRIPPIT, INC.
INTERIM REMEDIAL MEASURE
POST CLOSURE MONITORING
SUMMARY OF DETECTED GROUNDWATER PARAMETERS
QUARTERLY SAMPLING: 4/95 TO 01/01:GW3

TEST PARAMETER	UNITS	SAMPLE ROUND																				Mean	St. Dev.
		4/11/95	7/12/95	10/16/95	1/22/96	5/8/96	8/6/96	10/29/97	2/6/97	6/9/97	9/15/97	12/16/97	3/13/98	6/11/98	12/14/98	6/23/99	12/15/99	6/22/00	1/11/01				
pH	Standard	6.82	8.01	8.01	8.42	8.42	7.85	7.53	7.63	7.73	7.03	7.43	8.25	6.93	9.20	9.90	7.15	7.75	9.73	7.99	0.89		
specific conductance	µMHOS/cm	2010.00	568.00	502.00	475.00	614.00	623.00	585.00	342.00	570.00	635.00	567.00	626.00	445.00	507.00	620.00	562.00	441.00	399.00	616.17	358.20		
turbidity	NTU	26.00	26.80	191.00		70.70	5.12	150.30	47.40												73.90	70.13	
barium, soluble	mg/L	0.06	0.03	0.07	0.85	0.08	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.03	0.06	0.05	0.06	0.06	0.10	0.19		
barium, total	mg/L	0.07	0.17	0.17	0.09	0.08	0.09	0.08	0.08	0.07	0.08	0.09	0.06	0.07	0.07	0.08	0.08	0.06	0.09	0.09	0.03		
iron, soluble	mg/L	0.03	0.10	0.10	3.02	2.03	0.05	1.74	0.12	0.11	0.05	0.05	0.05	0.05	0.01	0.01	0.05	0.10	0.10	0.43	0.87		
iron, total	mg/L	1.56	6.71	13.55	4.09	4.23	1.30	2.00	2.37	2.26	3.80	4.65	1.72	1.38	1.81	1.96	3.15	0.25	4.79	3.42	2.99		
magnesium, soluble	mg/L	27.70	29.35	29.65	31.95	30.65	27.90	28.45	29.70	26.90	25.40	29.50	27.20	24.55	16.60	28.25	25.80	25.80	25.20	27.25	3.35		
magnesium, total	mg/L	28.30	68.70	72.55	32.45	30.95	32.70	16.65	32.90	30.35	35.80	39.35	28.70	27.55	24.60	32.15	31.60	26.30	31.60	34.62	13.95		
manganese, soluble	mg/L	0.08	0.14	0.08	0.17	0.13	0.12	0.11	0.15	0.08	0.05	0.08	0.07	0.06	0.01	0.08	0.05	0.06	0.07	0.09	0.04		
manganese, total	mg/L	0.12	0.46	0.66	0.21	0.14	0.14	0.13	0.15	0.00	0.12	0.20	0.10	0.01	0.08	0.13	0.11	0.07	0.17	0.17	0.16		
total phenols	mg/L					0.01	0.14	0.01	0.01	0.01	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.02	0.04		
dichlorodifluoromethane	ug/L	2.40	0.50	0.50	0.50	1.00	1.00	1.00	1.00												0.99	0.62	
chloromethane	ug/L	1.50	0.50	0.50	0.50	1.00	1.00	1.00	1.00	5.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.17	0.99	
vinyl chloride	ug/L	2.30	0.50	0.50	0.50	1.00	1.00	1.00	1.00	5.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.21	1.02	
acetone	ug/L	16.00	10.50	18.50	5.50	90.00	5.00	5.00	5.00	20.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	12.25	20.06	
carbon disulfide	ug/L	1.80	0.50	0.50	0.50	0.50	3.00	0.50	0.50	10.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.49	2.21	
trans1,2dichloroethene	ug/L	0.80	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.77	1.06	
1,1dichloroethane	ug/L	0.80	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.77	1.06	
chloroform	ug/L	0.70	1.50	1.50	0.50	0.95	3.00	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	1.04	1.18	
2butanone	ug/L	1.00	7.50	0.75	0.55	0.75	1.00	1.00	2.00	10.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	3.86	2.67	
1,1,1trichloroethane	ug/L	1.80	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.83	1.09	
carbon tetrachloride	ug/L	1.70	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.82	1.08	
benzene	ug/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.76	1.06	
trichloroethene	ug/L	0.80	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.77	1.06	
toluene	ug/L	0.70	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.79	1.06	
tetrachloroethene	ug/L	0.90	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.77	1.06	
methylene chloride	ug/L	6.30	5.00	15.50	5.50	37.50	10.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	7.77	7.88	
m,p-xlyenes	ug/L	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.06	2.88	
o-xlyenes	ug/L	0.50	7.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00	0.50	3.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	1.31	1.99	
phenol	ug/L	1.00	1.00	1.00	1.00																1.00	0.00	
groundwater elevation	feet	709.53	707.19	705.56	708.26	711.25	710.47	709.65	710.29	710.16	708.13	709.14	711.01	710.47	706.24	707.94	706.14	710.24	709.00	708.93	1.75		

STRIPPIT, INC.
INTERIM REMEDIAL MEASURE
POST CLOSURE MONITORING
SUMMARY OF DETECTED GROUNDWATER PARAMETERS
QUARTERLY SAMPLING: 4/95 TO 1/01:GW4

TEST PARAMETER	UNITS	SAMPLE ROUND																				
		4/11/95	7/12/95	10/16/95	1/22/96	5/8/96	8/6/96	10/29/96	2/6/97	6/9/97	9/15/97	12/16/97	3/13/98	6/11/98	12/14/98	6/23/99	12/15/99	6/22/00	1/11/01	Mean	St. Dev.	
pH	Standard	7.06	8.31	8.34	9.07	8.03	8.01	7.47	8.21	7.62	7.92	8.06	9.11	8.27	9.10	9.49	9.77	10.57	9.37	8.54	0.90	
specific conductance	uMHOS/cm	1990.00	935.00	628.00	626.00	1118.00	1141.00	1094.00	743.00	1220.00	1237.00	989.00	985.00	918.00	745.00	997.00	806.00	784.00	595.00	975.06	324.04	
turbidity	NTU	200.00	200.00	106.70		42.70	105.40	46.70	115.60											116.73	63.88	
barium, soluble	mg/L	0.05	0.06	0.07	0.11	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.03	0.06	0.04	0.06	0.04	0.05	0.02	
barium, total	mg/L	0.18	0.10	0.12	0.13	0.04	0.04	0.05	0.07	0.06	0.06	0.06	0.06	0.06	0.08	0.06	0.08	0.07	0.06	0.08	0.04	
iron, soluble	mg/L	0.03	1.00	0.37	8.32	1.00	0.03	1.94	0.23	0.10	0.62	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.10	0.10	0.79	1.95
iron, total	mg/L	12.02	6.72	11.90	9.85	1.00	0.04	2.14	2.87	1.29	1.32	0.77	0.29	1.51	4.42	1.58	4.00	0.11	1.43	3.51	3.96	
magnesium, soluble	mg/L	50.02	36.70	30.20	47.90	39.70	37.50	44.30	39.65	40.30	29.55	39.90	34.80	32.70	12.50	28.80	18.40	29.40	29.50	34.55	9.45	
magnesium, total	mg/L	77.90	48.30	66.00	49.40	39.70	38.80	49.10	46.15	39.00	33.75	42.30	36.00	35.90	31.00	40.10	27.70	25.20	32.10	42.13	13.07	
manganese, soluble	mg/L	0.01	0.03	0.15	0.20	0.02	0.07	0.06	0.03	0.01	0.02	0.01	0.01	0.01	0.03	0.01	0.01	0.01	0.01	0.04	0.05	
manganese, total	mg/L	0.32	0.16	0.32	0.24	0.02	0.02	0.09	0.08	0.03		0.02	0.01	0.07	0.09	0.04	0.09	0.01	0.03	0.10	0.10	
total phenols	mg/L					0.01	0.01	0.01	0.01	0.01	0.02	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	
dichlorodifluoromethane	ug/L	0.50	0.50	0.50	0.50	1.00	1.00	1.00	1.00											0.75	0.27	
chloromethane	ug/L	0.50	0.50	0.50	0.50	1.00	1.00	1.00	1.00	5.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.11	0.99	
vinyl chloride	ug/L	0.50	0.50	0.50	0.50	1.00	1.00	1.00	1.00	5.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.11	0.99	
acetone	ug/L	12.00	5.00	29.00	14.00	38.00	5.00	5.00	5.00	20.00	5.00	7.70	0.50	16.40	5.00	5.00	5.00	5.00	5.00	10.42	9.85	
carbon disulfide	ug/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	10.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.28	2.19	
trans1,2dichloroethene	ug/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75	1.06	
1,1dichloroethane	ug/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75	1.06	
chloroform	ug/L	0.50	1.60	1.00	0.80	0.50	0.55	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.86	1.07	
2butanone	ug/L	1.00	1.00	0.50	1.00	1.00	1.00	2.00	10.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	3.53	2.56	
1,1,1trichloroethane	ug/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75	1.06	
carbon tetrachloride	ug/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75	1.06	
benzene	ug/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75	1.06	
trichloroethene	ug/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75	1.06	
toluene	ug/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.84	1.10	
tetrachloroethene	ug/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75	1.06	
methylene chloride	ug/L	2.60	5.00	18.00	10.00	36.00	6.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	7.64	7.81	
m,p-xlyenes	ug/L	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	8.60	1.00	5.90	1.00	1.00	1.00	1.00	1.97	2.19	
o-xlyenes	ug/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00	0.50	2.30	0.50	1.60	0.50	0.50	0.50	0.50	0.91	1.13	
phenol	ug/L	1.00	1.00	1.00	1.00														1.00	0.00		
groundwater elevation	feet	715.06	712.56	711.13	713.69	716.70	715.75	715.36	716.14	715.92	713.37	714.69	716.43	715.74	711.34	711.09	711.60	715.68	714.36	714.26	1.95	

STRIPPIT, INC.
INTERIM REMEDIAL MEASURE
POST CLOSURE MONITORING
SUMMARY OF DETECTED GROUNDWATER PARAMETERS
QUARTERLY SAMPLING: 4/95 TO 1/01:GW5

TEST PARAMETER	UNITS	SAMPLE ROUND																			
		4/11/95	7/12/95	10/16/95	1/22/96	5/8/96	8/6/96	10/29/96	2/6/97	6/9/97	9/15/97	12/16/97	3/13/98	6/11/98	12/14/98	6/23/99	12/15/99	6/22/00	1/11/01	Mean	St. Dev.
pH	Standard	6.99	10.88	10.97	11.54	10.93	10.87	10.39	10.90	10.35	10.14	10.76	11.32	10.84	11.31	10.50	11.18	12.27	9.58	10.65	1.08
specific conductance	uMHOS/cm	2090.00	735.00	506.00	641.00	831.00	816.00	737.00	286.00	820.00	903.00	665.00	820.00	590.00	567.00	770.00	663.00	634.00	648.00	762.33	361.55
turbidity	NTU	200.00	167.80	113.20		162.60	181.00	37.80	49.50											130.27	64.88
barium, soluble	mg/L	0.08	0.48	0.06	0.18	0.05	0.05	0.05	0.06	0.05	0.04	0.10	0.05	0.05	0.03	0.04	0.04	0.05	0.04	0.08	0.11
barium, total	mg/L	0.17	0.60	0.18	0.23	0.05	0.06	0.09	0.11	0.05	0.07	0.15	0.07	0.07	0.15	0.07	0.08	0.05	0.07	0.13	0.13
iron, soluble	mg/L	0.03	0.09	0.34	24.80	0.48	0.03	0.99	0.64	0.10	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.10	0.10	1.56	5.81
iron, total	mg/L	23.00	1.73	24.70	34.30	0.51	0.28	1.33	8.67	1.30	4.93	1.66	1.82	2.22	17.70	3.23	4.21	0.53	5.10	7.62	10.16
magnesium, soluble	mg/L	16.50	4.32	3.68	33.50	2.40	1.33	1.96	5.42	1.54	1.30	0.14	2.07	1.99	0.44	1.59	1.31	0.83	0.78	4.51	8.12
magnesium, total	mg/L	32.20	9.71	32.80	42.50	2.53	2.49	3.05	18.60	3.65	8.00	1.64	5.38	9.30	23.60	5.85	7.15	3.97	7.85	12.24	12.37
manganese, soluble	mg/L	0.01	0.01	0.01	0.57	0.01	0.01	0.01	0.02	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.13
manganese, total	mg/L	0.49	0.04	0.62	0.76	0.01	0.01	0.03	0.22	0.02	0.08	0.04	0.04	0.11	0.38	0.07	0.09	0.04	0.11	0.17	0.23
total phenols	mg/L					0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.08	0.00	0.00	0.00	0.00	0.00	0.01	0.02
dichlorodifluoromethane	ug/L	0.50	0.50	0.50	0.50	1.00	1.00	1.00	1.00											0.75	0.27
chloromethane	ug/L	0.50	0.50	0.50	0.50	1.00	1.00	1.00	5.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.11	0.99
vinyl chloride	ug/L	0.50	0.50	0.50	0.50	1.00	1.00	1.00	1.00	5.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.11	0.99
acetone	ug/L	33.00	29.00	43.00	8.00	57.00	7.00	9.00	5.00	20.00	5.00	18.80	5.00	19.70	5.00	8.00	5.00	5.00	5.00	15.97	15.36
carbon disulfide	ug/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	10.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.28	2.19
trans1,2dichloroethene	ug/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75	1.06
1,1dichloroethane	ug/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75	1.06
chloroform	ug/L	0.50	1.00	1.00	0.50	0.50	2.00	0.50	0.50	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.89	1.09
2butanone	ug/L	1.00	1.00	1.00	0.50	1.00	1.00	1.00	2.00	10.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	3.53	2.56
1,1,1trichloroethane	ug/L	0.50	0.50	1.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.81	1.07
carbon tetrachloride	ug/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75	1.06
benzene	ug/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75	1.06
trichloroethene	ug/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75	1.06
toluene	ug/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75	1.06
tetrachloroethene	ug/L	0.50	0.50	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.76	1.06
methylene chloride	ug/L	2.40	5.00	24.00	12.00	23.00	10.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	7.58	6.17
m,p-xylenes	ug/L	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.55	1.63
o-xylenes	ug/L	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.86	1.13
phenol	ug/L	1.00	1.40	1.40	1.00															1.20	0.23
groundwater elevation	feet	719.54	716.72	715.29	718.53	721.37	719.99	719.94	721.01	720.14	717.55	719.42	721.08	719.96	715.57	717.30	716.09	720.26	719.05	718.82	1.94

NOTES:

0.005 = Less than detection limit shown
B = Compound also detected in blank (see laboratory report)
* = Estimated value, see lab report
NT = Not tested

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, 2butanone 3.0 ug/L.
10/16/95 Sample Round:	Acetone 20 ug/L, methylene chloride 14 ug/L, chloroform 1.3 ug/L, 1,1trichloroethane 0.9 ug/L, 2butanone 2.0 ug/L.
1/22/96 Sample Round:	Acetone 10 ug/L
5/8/96 Sample Round:	Acetone 82.0 ug/L, methylene chloride 46.0 ug/L; chloroform 2.0 ug/L.
8/6/96 Sample Round:	Acetone 6.0 ug/L, methylene chloride 11.0 ug/L, chloroform 1.0 ug/L.
10/29/96 Sample Round:	Acetone 12.0 ug/L, methylene chloride 6.0 ug/L.
2/6/97 Sample Round:	Methylene chloride 25.0 ug/L.

* 10/29/96 Sample round solublearium, totalarium, soluble iron, total iron, soluble magnesium, total magnesium, soluble manganese, and total manganese average values. Refer to analytical/aborating reports.

APPENDIX D

SITE INSPECTION REPORT

JANUARY 11, 2001 SAMPLE ROUND

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

Date of Inspection: 1/11/2001

Inspected By: AARON FARNAS / J. KIRK HAMPTON

Summary of Observation:
General Condition of Cover: 0.5 - 3' SNOW COVER

Evidence of Erosion, sloughing or other degradation: Yes No

Explain: _____

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: GOOD CONDITION, NO VISIBLE DAMAGE

Condition of Vegetative Cover: SNOW COVERED.

Condition of drainage ways (discuss amount of water/sediments present, vegetative growth unusual staining, blockage, etc.). In good condition. No blockage observed. Ice in some locations. No overgrown vegetation

Additional Comments: None

Action Item(s) Required: None at this time

Action Item(s) completed since last inspection: None

Signatures:

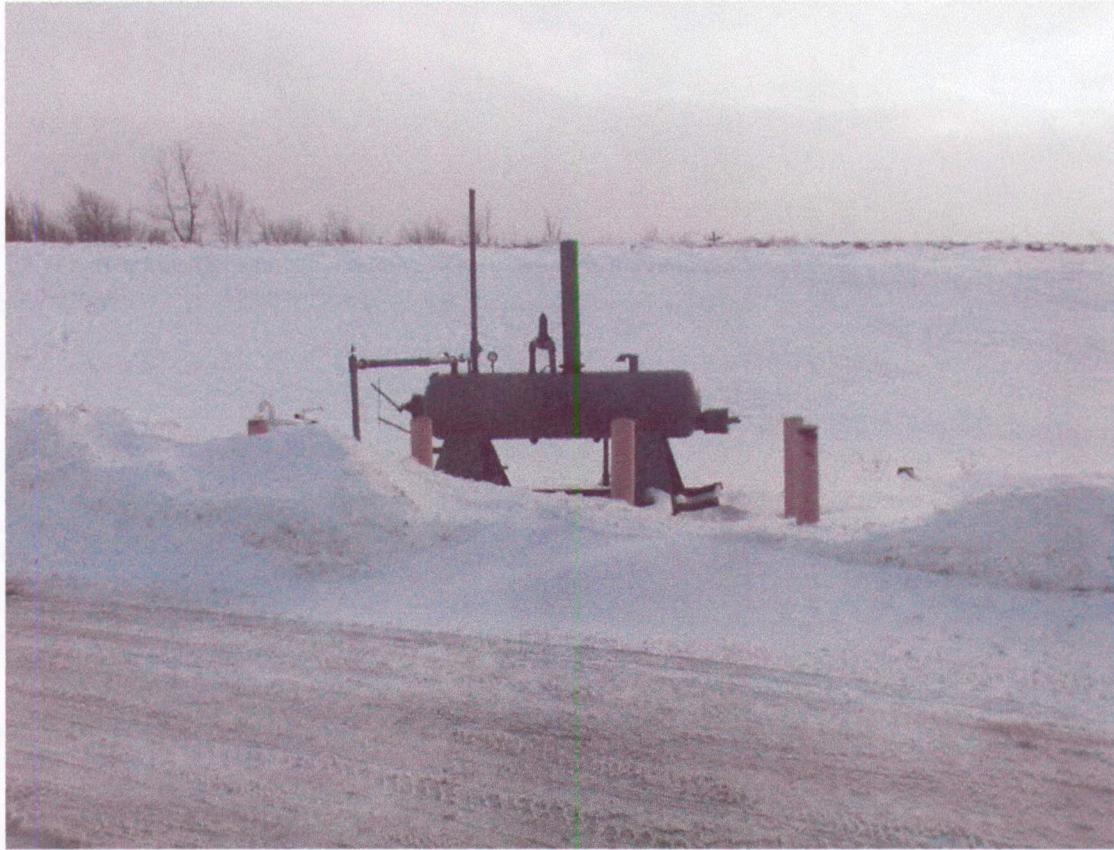
John Fawcett
J. G. Fawcett



01/11/2001 View looking northeast from southwestern slope of cap



01/11/2001 View looking east from monitoring well GW-2



01/11/2001 View looking south at northern slope of closure area



01/11/2001 View looking south at drainage trench on west side of parking lot