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AND MAINTENANCE REPORT

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# IRM MONITORING AND MAINTENANCE REPORT
# June 23, 1999 SAMPLE EVENT

## 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:** August 1999

**Project No.:** 1863R-99

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**Figures:**



**Appendices:**

## 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. 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 submittal presents the results of the bi-annual groundwater sampling and monitoring conducted on June 23, 1999.

## 2.0 GROUNDWATER SAMPLING PROCEDURES

Groundwater samples were collected in general 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 were 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.

- pH: Cole-Parmer Model 05985-80 Digi-Sensit pH Meter
- Specific conductance and temperature: Cole-Parmer Model 1481-5 Conductivity/Temperature Meter

In addition to the field testing, samples were also collected for analytical testing. These samples were placed in pre-cleaned sample containers provided by the analytical laboratory. The analytical laboratory 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 June 23, 1999 sample round are included with the test results in Appendix A.

Executed copies of the monitoring well sample logs for the June 23, 1999 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

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 the June 23, 1999 sample round are presented in the following table.

| WELL | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) |
|---|---|---|---|
| GW-1 | 754.32 | 41.08 | 713.24 |
| GW-2 | 770.62 | 52.98 | 717.64 |
| GW-3 | 742.59 | 34.65 | 707.94 |
| GW-4 | 752.24 | 39.15 | 711.09 |
| GW-5 | 771.26 | 53.96 | 717.30 |

## 4.0 ANALYTICAL LABORATORY RESULTS

During the June 23, 1999 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. 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

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 June 23, 1999 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.

## 5.0 SITE INSPECTION REPORT

A copy of the site inspection report completed during the June 23, 1999 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 June 23, 1999 sample round indicate that groundwater flow is generally to the northwest with monitoring wells GW-3 and GW-4 located downgradient of the landfill area. This flow direction is similar to that determined during earlier sample rounds.

A review of the analytical test results for the samples collected on June 23, 1999 indicates that the majority of the inorganic compounds detected were measured at concentrations below Class GA standards established in 6 NYCRR Part 700-705 for potable groundwater supplies. The concentration of total iron in samples from each of the monitoring wells exceeded these standards. However, the concentration of soluble iron did not exceed the Class GA standards in any sample tested.

VOCs were not detected in any of the samples tested above the laboratory detection limit reported by Paradigm (refer to Appendix A), with the exception of acetone and toluene in the sample from GW-2 at concentrations of 6.9 ug/L and 0.5 ug/L, respectively and acetone in the sample from GW-5 at a concentration of 6.0 ug/L. Although the acetone concentrations measured exceed the 6 NYCRR Part 700-75 standard, the concentrations measured are relatively low and as such, do not appear to represent an environmental concern at this time. [Note: Acetone concentrations have historically been measured in samples from GW-2. However, the concentrations appear to be decreasing with time (refer to Appendix C). It is also noted that monitoring wells GW-2 and GW-5 are located in upgradient positions and elevated acetone concentrations have not been detected in samples from downgradient wells.]

The pH values measured in the upgradient wells (GW-2 and GW-5) exceed 10.0 Standard Units and the pH of downgradient wells (GW-3 and GW-4) exceed 9.0 Standard Units. Additional monitoring is required to determine if pH degradation to the groundwater is occurring.

Monitoring of the IRM closure during the June 23, 1999 sample round indicates that the cap system is in relatively good condition (refer to the inspection report and photographs in Appendix D). No repairs appear necessary at this time. In addition, the monitoring wells and the gas well are in relatively good condition, however, repairs to surface seals on GW-2, GW-3, and GW-5 are recommended. In addition, the sedimentation basin should be cleared of vegetation and accumulated debris. If necessary, the entering and exiting piping should also be cleaned to assure the basin is functioning properly.

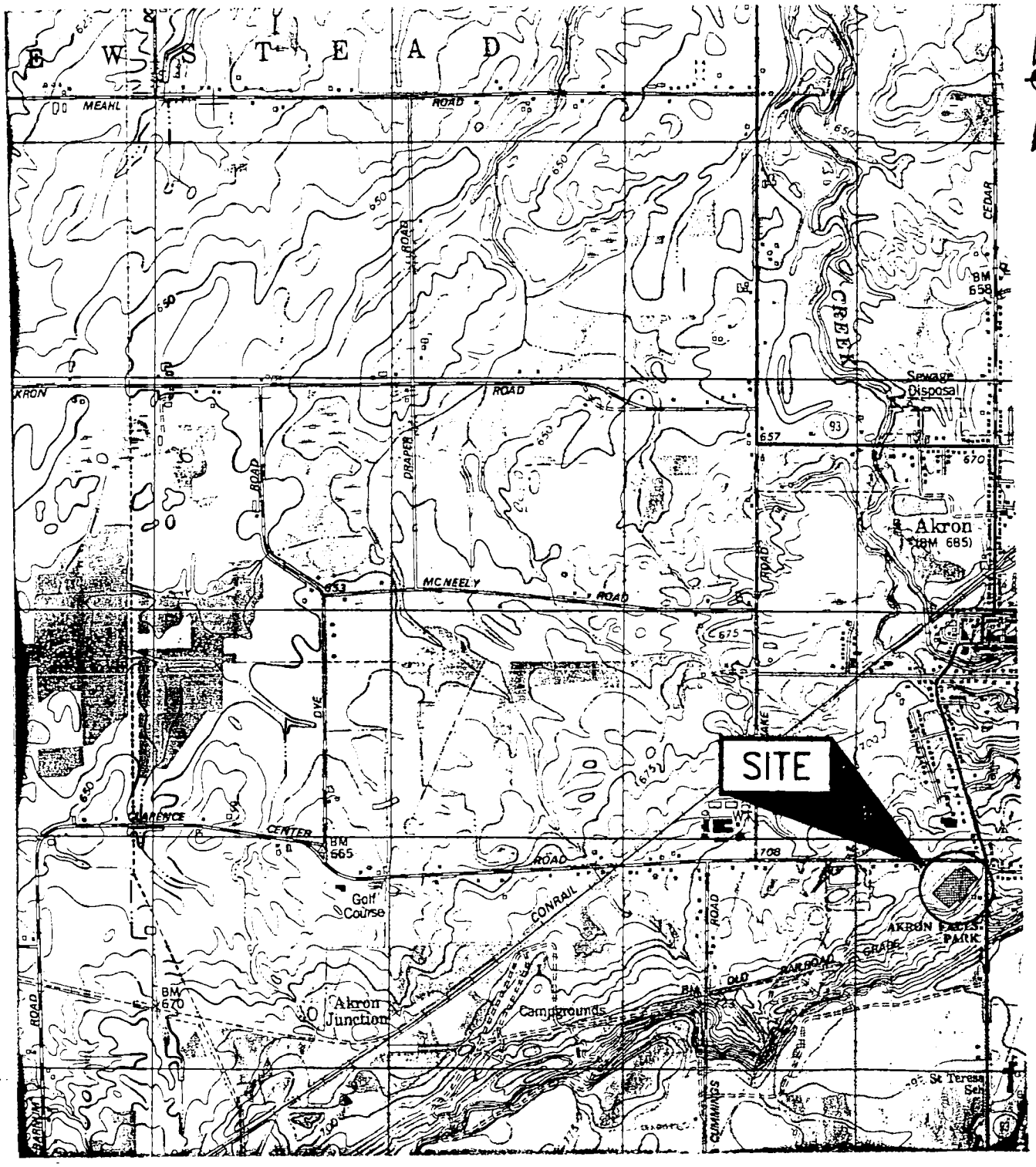
The next scheduled monitoring event at the Site is on or about September 15, 1999 (i.e., this event will include measurement of water levels and observing the condition of the IRM closure). The next scheduled sampling event (i.e., including the collection/analysis of ground water samples and IRM monitoring) is on or about December 15, 1999.

FIGURE 1

LOCUS PLAN

TIME PLOTTED: WED MAR 19, 12:45:00 1997
FILENAME: 0938F1

REF1: BORDER13
REF2: REF2
REF3: REF3

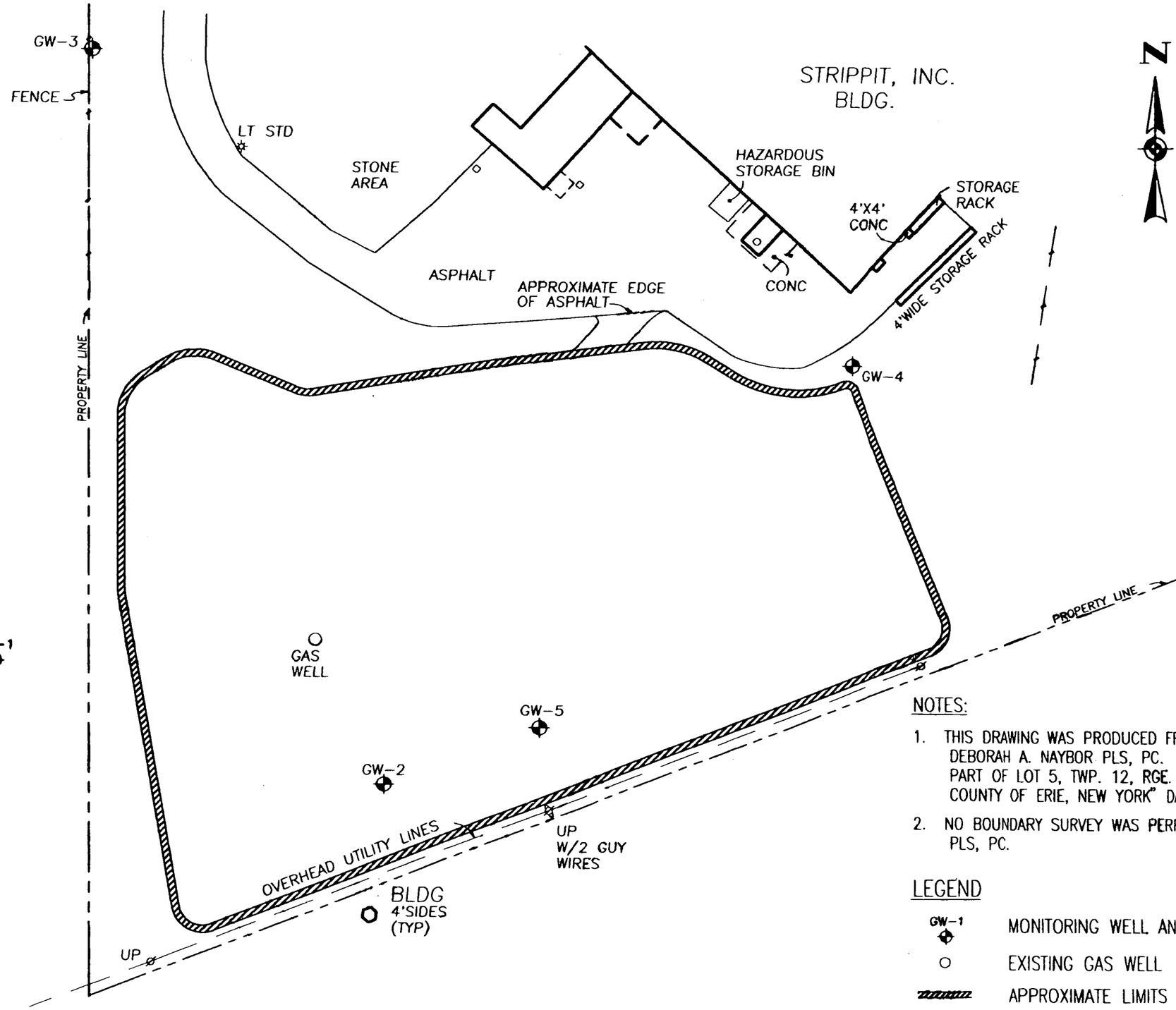



DRAWING PRODUCED FROM: WOLCOTTSVILLE, N.Y.
N4300-W7830/7.5
1980

| | | | |
|---|---|---|---|
| PROJECT NO. 0938S-96 | PROJECT TITLE STRIPPIT, INC. AKRON, NEW YORK | DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK | DATE 3/19/97 |
| FIGURE 1 | GROUNDWATER MONITORING | | DRAWN BY |
| SHEET 1 OF 1 | DRAWING TITLE LOCUS PLAN | | 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 3/19/97 | |
| DRAWN BY RJM | DATE DRAWN 3/19/97 | |
| SCALE 1" = 60' | DATE ISSUED 9/19/97 | |

**DAY ENVIRONMENTAL, INC.**
*ENVIRONMENTAL CONSULTANTS*
*ROCHESTER, NEW YORK*

PROJECT TITLE
STRIPPIT, INC.
AKRON, NEW YORK
GROUNDWATER MONITORING

DRAWING TITLE
SITE LOCATION MAP

PROJECT NO.
0938S-96

FIGURE 2

SHEET 1 OF 1

# APPENDIX A

## PARADIGM ENVIRONMENTAL SERVICES, INC. ANALYTICAL SERVICES REPORT & CHAIN-OF-CUSTODY DOCUMENTATION June 23, 1999 SAMPLE ROUND

**PARADIGM**
**Environmental**
**Services, Inc.** 179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

**Client:** Day Environmental, Inc.

**Client Job Site:** Strippit

**Client Job No.:** 1336S-97

**Lab Project No.:** 99-1178

**Sample Type:** Water
**Analytical Method:** EPA 420.1
**Date Sampled:** 06/23/1999
**Date Received:** 06/23/1999
**Date Analyzed:** 06/29/1999

| Lab Sample ID. | Client Sample ID. | Field Location | Total Phenolics (mg/l) |
|---|---|---|---|
| 4487 | N/A | GW-1 | ND<0.002 |
| 4488 | N/A | GW-2 | ND<0.002 |
| 4489 | N/A | GW-3 | ND<0.002 |
| 4490 | N/A | GW-4 | ND<0.002 |
| 4491 | N/A | GW-5 | ND<0.002 |
| 4492 | N/A | Duplicate | ND<0.002 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

ELAP ID. No. 10709

Comments:

**Approved By:** _____
Laboratory Director

File ID: 99-1178VARLOC

**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.:** | 99-1178 |
| **Client Job Site:** | Strippit | **Lab Sample No.:** | 4487 |
| **Client Job No.:** | 1336S-97 | **Sample Type:** | Water |
| **Field Location:** | GW-1 | **Date Sampled:** | 06/23/99 |
| | | **Date Received:** | 06/23/99 |
| **Field ID No.:** | N/A | **Date Analyzed:** | 06/29/99 |

| 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 | Ketones & Misc. | |
| 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-Dichloroproper | ND< 2.0 | 4-Methyl-2-pentanone | ND< 5.0 |
| Methylene chloride | ND< 5.0 | 2-Hexanone | ND< 5.0 |
| 1,1,2,2-Tetrachloroethar | 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.:** | 99-1178 |
| **Client Job Site:** | Strippit | **Lab Sample No.:** | 4488 |
| **Client Job No.:** | 1336S-97 | **Sample Type:** | Water |
| **Field Location:** | GW-2 | **Date Sampled:** | 06/23/99 |
| | | **Date Received:** | 06/23/99 |
| **Field ID No.:** | N/A | **Date Analyzed:** | 06/29/99 |

| 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 | 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 | Ketones & Misc. | |
| trans-1,2-Dichloroethene | ND< 0.5 | Acetone | 6.9 |
| 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-Dichloroproper | 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.:** | 99-1178 |
| **Client Job Site:** | Strippit | **Lab Sample No.:** | 4489 |
| **Client Job No.:** | 1336S-97 | **Sample Type:** | Water |
| **Field Location:** | GW-3 | **Date Sampled:** | 06/23/99 |
| | | **Date Received:** | 06/23/99 |
| **Field ID No.:** | N/A | **Date Analyzed:** | 06/29/99 |

| 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 | Ketones & Misc. | |
| 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-Dichloroproper | ND< 2.0 | 4-Methyl-2-pentanone | ND< 5.0 |
| Methylene chloride | ND< 5.0 | 2-Hexanone | ND< 5.0 |
| 1,1,2,2-Tetrachloroethar | 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

901178V3.XLS

**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.:** | 99-1178 |
| **Client Job Site:** | Strippit | **Lab Sample No.:** | 4490 |
| **Client Job No.:** | 1336S-97 | **Sample Type:** | Water |
| **Field Location:** | GW-4 | **Date Sampled:** | 06/23/99 |
| | | **Date Received:** | 06/23/99 |
| **Field ID No.:** | N/A | **Date Analyzed:** | 06/29/99 |

| 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 | Ketones & Misc. | |
| 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-Dichloroproper | ND< 2.0 | 4-Methyl-2-pentanone | ND< 5.0 |
| Methylene chloride | ND< 5.0 | 2-Hexanone | ND< 5.0 |
| 1,1,2,2-Tetrachloroethar | 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

901178V4.XLS

**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.:** | 99-1178 |
| **Client Job Site:** | Strippit | **Lab Sample No.:** | 4491 |
| **Client Job No.:** | 1336S-97 | **Sample Type:** | Water |
| **Field Location:** | GW-5 | **Date Sampled:** | 06/23/99 |
| | | **Date Received:** | 06/23/99 |
| **Field ID No.:** | N/A | **Date Analyzed:** | 06/29/99 |

| 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 | Ketones & Misc. | |
| trans-1,2-Dichloroethene | ND< 0.5 | Acetone | 6.0 |
| 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-Dichloropropen | ND< 2.0 | 4-Methyl-2-pentanone | ND< 5.0 |
| Methylene chloride | ND< 5.0 | 2-Hexanone | ND< 5.0 |
| 1,1,2,2-Tetrachloroethar | 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.:** | 99-1178 |
| **Client Job Site:** | Strippit | **Lab Sample No.:** | 4492 |
| **Client Job No.:** | 1336S-97 | **Sample Type:** | Water |
| **Field Location:** | Dupe | **Date Sampled:** | 06/23/99 |
| | | **Date Received:** | 06/23/99 |
| **Field ID No.:** | N/A | **Date Analyzed:** | 06/29/99 |

| 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 | Ketones & Misc. | |
| 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-Dichloropropen | ND< 2.0 | 4-Methyl-2-pentanone | ND< 5.0 |
| Methylene chloride | ND< 5.0 | 2-Hexanone | ND< 5.0 |
| 1,1,2,2-Tetrachloroethar | 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

901178V6.XLS

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

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

| | | | |
|---|---|---|---|
| **Client:** | Day Environmental, Inc. | **Lab Project No.:** | 99-1178 |
| **Client Job Site:** | Strippit | **Sample Type:** | Groundwater |
| **Client Job No.:** | 1336S-97 | **Date Sampled:** | 06/23/1999 |
| **Lab Sample No.:** | 4487 | **Date Received:** | 06/23/1999 |
| **Field Location:** | GW-1 | | |

| Parameter | Date Analyzed | Method | Total Results (mg/L) | Soluble Results (mg/L) |
|---|---|---|---|---|
| Barium | 06/28/1999 | EPA 6010 | 0.041 | 0.025 |
| Iron | 06/25/1999 | EPA 6010 | 1.96 | <0.050 |
| Magnesium | 06/28/1999 | EPA 6010 | 63.6 | 62.3 |
| Manganese | 06/28/1999 | EPA 6010 | 0.084 | 0.036 |
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ELAP ID No.: 10958

Comments: Soluble metals filtered to 0.45um in lab.

**Approved By:** _____
Laboratory Director

File ID: 991178p1

**PARADIGM**
**Environmental Services, Inc.**
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

**Client:** Day Environmental, Inc.
**Client Job Site:** Strippit
**Client Job No.:** 1336S-97
**Lab Sample No:** 4488
**Field Location:** GW-2

**Lab Project No.:** 99-1178
**Sample Type:** Groundwater
**Date Sampled:** 06/23/1999
**Date Received:** 06/23/1999

| Parameter | Date Analyzed | Method | Total Results (mg/L) | Soluble Results (mg/L) |
|---|---|---|---|---|
| Barium | 06/28/1999 | EPA 6010 | 0.146 | 0.140 |
| Iron | 06/25/1999 | EPA 6010 | 1.23 | <0.050 |
| Magnesium | 06/28/1999 | EPA 6010 | 1.14 | 0.131 |
| Manganese | 06/28/1999 | EPA 6010 | 0.025 | <0.010 |
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ELAP ID No.: 10958

Comments: Soluble metals filtered to 0.45um in lab.

**Approved By:** _____
Laboratory Director

File ID: 991178p2

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

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

**Client:** Day Environmental, Inc.

**Client Job Site:** Strippit

**Client Job No.:** 1336S-97

**Lab Sample No.:** 4489

**Field Location:** GW-3

**Lab Project No.:** 99-1178

**Sample Type:** Groundwater

**Date Sampled:** 06/23/1999

**Date Received:** 06/23/1999

| Parameter | Date Analyzed | Method | Total Results (mg/L) | Soluble Results (mg/L) |
|---|---|---|---|---|
| Barium | 06/28/1999 | EPA 6010 | 0.080 | 0.064 |
| Iron | 06/25/1999 | EPA 6010 | 2.58 | <0.050 |
| Magnesium | 06/28/1999 | EPA 6010 | 34.1 | 29.2 |
| Manganese | 06/28/1999 | EPA 6010 | 0.149 | 0.081 |
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ELAP ID No.: 10958

Comments: Soluble metals filtered to 0.45um in lab.

**Approved By:** _____
Laboratory Director

File ID: 991178p3

**PARADIGM**
**Environmental Services, Inc.**
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

**Client:** Day Environmental, Inc.
**Client Job Site:** Strippit
**Client Job No.:** 1336S-97
**Lab Sample No.:** 4490
**Field Location:** GW-4

**Lab Project No.:** 99-1178
**Sample Type:** Groundwater
**Date Sampled:** 06/23/1999
**Date Received:** 06/23/1999

| Parameter | Date Analyzed | Method | Total Results (mg/L) | Soluble Results (mg/L) |
|---|---|---|---|---|
| Barium | 06/28/1999 | EPA 6010 | 0.059 | 0.060 |
| Iron | 06/25/1999 | EPA 6010 | 1.58 | <0.050 |
| Magnesium | 06/28/1999 | EPA 6010 | 40.1 | 28.8 |
| Manganese | 06/28/1999 | EPA 6010 | 0.039 | <0.010 |
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ELAP ID No.: 10958

Comments: Soluble metals filtered to 0.45um in lab.

**Approved By:** _____
Laboratory Director

File ID: 991178p4

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

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

**Client:** Day Environmental, Inc.

**Client Job Site:** Strippit

**Client Job No.:** 1336S-97

**Lab Sample No.:** 4491

**Field Location:** GW-5

**Lab Project No.:** 99-1178

**Sample Type:** Groundwater

**Date Sampled:** 06/23/1999

**Date Received:** 06/23/1999

| Parameter | Date Analyzed | Method | Total Results (mg/L) | Soluble Results (mg/L) |
|---|---|---|---|---|
| Barium | 06/28/1999 | EPA 6010 | 0.068 | 0.042 |
| Iron | 06/25/1999 | EPA 6010 | 3.23 | <0.050 |
| Magnesium | 06/28/1999 | EPA 6010 | 5.85 | 1.59 |
| Manganese | 06/28/1999 | EPA 6010 | 0.068 | <0.010 |
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ELAP ID No.: 10958

Comments: Soluble metals filtered to 0.45um in lab.

**Approved By:** _____
Laboratory Director

File ID: 991178p5

**PARADIGM**
**Environmental Services, Inc.**
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

**Client:** Day Environmental, Inc.
**Client Job Site:** Strippit
**Client Job No.:** 1336S-97
**Lab Sample No.:** 4492
**Field Location:** Dupe

**Lab Project No.:** 99-1178
**Sample Type:** Groundwater
**Date Sampled:** 06/23/1999
**Date Received:** 06/23/1999

| Parameter | Date Analyzed | Method | Total Results (mg/L) | Soluble Results (mg/L) |
|---|---|---|---|---|
| Barium | 06/28/1999 | EPA 6010 | 0.075 | 0.064 |
| Iron | 06/25/1999 | EPA 6010 | 1.34 | <0.050 |
| Magnesium | 06/28/1999 | EPA 6010 | 30.2 | 27.3 |
| Manganese | 06/28/1999 | EPA 6010 | 0.108 | 0.083 |
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ELAP ID No.: 10958

Comments: Soluble metals filtered to 0.45um in lab.

**Approved By:** _____
Laboratory Director

File ID: 991178p6

**PARADIGM ENVIRONMENTAL SERVICES, INC.**
179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 • (800) 724-1997
**FAX (716) 647-3311**

# CHAIN OF CUSTODY

| REPORT TO: | | INVOICE TO: | | LAB PROJECT # |
|---|---|---|---|---|
| COMPANY | Day Environmental | COMPANY | | 99-1178 |
| ADDRESS | 2144 Brighton Henrietta Town Line Rd | ADDRESS | | |
| CITY | Rochester STATE NY ZIP 14623 | CITY | STATE ZIP | P.O. # |
| ATT | Kirk Hampton PHONE# 292-1090 x117 | ATT. | PHONE# | |
| | FAX# 292-0425 | FAX# | | ☐ ADDENDUM |

PROJECT NAME/SITE NAME: Strippit
PROJECT #: 13365-97

COMMENTS: Soluble metal filtered at Lab
Lower Det limits for VOA's

TURN AROUND TIME (WORKING DAYS) ☐ ONE ☐ THREE ☒ FIVE(STD) ☐ OTHER
REPRESENTATIVE:

| | DATE | TIME | COMPOSITE | GRAB | SAMPLE LOCATION/FIELD ID | MATRIX | NUMBER CONTAINERS | REQUESTED ANALYSIS: 8260 TCL | Sp. Fe, Mg, Mn Total | Sp. Fe, Mg, Mn Soluble | Total Phenols | REMARKS | PARADIGM LAB SAMPLE NUMBER | ANALYTICAL COSTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6/22/99 | 13:37 | | X | GW-1 | H2O | | X | X | X | X | | 4487 | |
| 2 | | 13:01 | | | GW-2 | | | X | X | X | X | | 4488 | |
| 3 | | 13:16 | | | GW-3 | | | X | X | X | X | | 4489 | |
| 4 | | 12:35 | | | GW-4 | | | X | X | X | X | | 4490 | |
| 5 | | 12:53 | | | GW-5 | | | X | X | X | X | | 4491 | |
| 6 | ↓ | → | | ↓ | Dupe | ↓ | | X | X | X | X | | 4492 | |
| 7 | | | | | | | | | | | | | | |
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| 12 | | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|
| RELINQUISHED BY: | DATE/TIME 6/23/99 15:49 | RECEIVED BY: | DATE/TIME 6/23/99 1549 | SAMPLE CONDITION | CHECK # | TOTAL COST | |
| RELINQUISHED BY: | DATE/TIME | RECEIVED BY: | DATE/TIME | CARRIER COMPANY | AIR BILL NO. | P.I.F | |
| RELINQUISHED BY: | DATE/TIME | RECEIVED @ LAB BY: | DATE/TIME 6/23/99 1600 | CARRIER PHONE # | DATE RESULTS REPORTED BY: | | DATE/TIME |

WHITE COPY-SAMPLE YELLOW COPY-FILE PINK COPY-RELINQUISHER

# APPENDIX B

## MONITORING WELL SAMPLE LOGS
## June 23, 1999 SAMPLE ROUND

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

Gw-1

## SECTION 1

**SITE LOCATION:** Strippit, Akron, New York **JOB# :** 1863R-99

**PROJECT NAME:** Post Closure Long Term Monitoring **DATE :** 6/23/99

**SAMPLE COLLECTOR(S):** Jeffrey Kirk Hampton

**WEATHER CONDITIONS:** Sunny, 80°

## SECTION 2 - PURGE INFORMATION

**DEPTH OF WELL [FT]:** 58.44 (MEASURED FROM TOP OF CASING - T.O.C.)

**STATIC WATER LEVEL (SWL) [FT]:** 41.08 (MEASURED FROM T.O.C.)

**DEPTH OF WATER COLUMN [FT]:** 17.36 (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 |

CALCULATIONS

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

**CALCULATED PURGE VOLUME [GAL]:** 8.5 (3 TIMES CASING VOLUME)

**ACTUAL VOLUME PURGED [GAL]:** 4.8 (DRY)

**PURGE METHOD:** 3'Bailer **PURGE START:** 11:37 **END:** 11:53

## SECTION 3 - SAMPLE IDENTIFICATION

| SAMPLE ID # | TIME / DATE | SAMPLING METHOD | ANALYTICAL SCAN(S) | SAMPLE APPEARANCE |
|---|---|---|---|---|
| Gw-1 | 6/23/99 13:37 | 3' Bailer | 8260 TCL, Tot./Sol.- Ba,Fe,Mg,Mn-. Tot Phenolics | Clear |

## SECTION 4 - SAMPLE DATA

| SWL (FT) | TEMP (°C) | pH | CONDUCTIVITY µS/cm | TURBIDITY (NTU) | VISUAL | PID/FID READING |
|---|---|---|---|---|---|---|
| 52.72 | 18.4 | 7.52 | 764 | - | Clear | - |

jkh3023

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

Gw-2

## SECTION 1

**SITE LOCATION:** Strippit, Akron, New York **JOB# :** 1863R-99

**PROJECT NAME:** Post Closure Long Term Monitoring **DATE :** 6/23/99

**SAMPLE COLLECTOR(S):** Jeffrey Kirk Hampton

**WEATHER CONDITIONS:** Sunny, 80°

## SECTION 2 - PURGE INFORMATION

**DEPTH OF WELL [FT]:** 78.60 (MEASURED FROM TOP OF CASING - T.O.C.)

**STATIC WATER LEVEL (SWL) [FT]:** 52.98 (MEASURED FROM T.O.C.)

**DEPTH OF WATER COLUMN [FT]:** 25.62 (DEPTH OF WELL - SWL)

**CALCULATED VOL. OF $H_2O$ PER WELL CASING [GAL]:** 4.1

CALCULATIONS:

| CASING DIA. (FT) | WELL CONSTANT (GAL/FT) | CALCULATIONS |
|---|---|---|
| 2" (0.1667) | 0.1632 | VOL. OF $H_2O$ IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT |

**CALCULATED PURGE VOLUME [GAL]:** 12.3 (3 TIMES CASING VOLUME)

**ACTUAL VOLUME PURGED [GAL]:** 5.0 (DRY)

**PURGE METHOD:** 3'Bailer **PURGE START:** 10:05 **END:** 10:17

## SECTION 3 - SAMPLE IDENTIFICATION

| SAMPLE ID # | TIME / DATE | SAMPLING METHOD | ANALYTICAL SCAN(S) | SAMPLE APPEARANCE |
|---|---|---|---|---|
| Gw-2 | 6/23/99 13:01 | 3' Bailer | 8260 TCL, Tot./Sol.- Ba,Fe,Mg,Mn-. Tot Phenolics | Clear |

## SECTION 4 - SAMPLE DATA

| SWL (FT) | TEMP (°C) | pH | CONDUCTIVITY µS/cm | TURBIDITY (NTU) | VISUAL | PID/FID READING |
|---|---|---|---|---|---|---|
| 69.95 | 19.5 | 11.04 | 761 | - | Clear | - |

jkh3023

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

Gw-3

## SECTION 1

**SITE LOCATION:** Strippit, Akron, New York **JOB# :** 1863R-99

**PROJECT NAME:** Post Closure Long Term Monitoring **DATE :** 6/23/99

**SAMPLE COLLECTOR(S):** Jeffrey Kirk Hampton

**WEATHER CONDITIONS:** Sunny, 80°

## SECTION 2 - PURGE INFORMATION

**DEPTH OF WELL [FT]:** 50.00 (MEASURED FROM TOP OF CASING - T.O.C.)

**STATIC WATER LEVEL (SWL) [FT]:** 34.65 (MEASURED FROM T.O.C.)

**DEPTH OF WATER COLUMN [FT]:** 15.35 (DEPTH OF WELL - SWL)

**CALCULATED VOL. OF $H_2O$ PER WELL CASING [GAL]:** 2.5

CALCULATIONS:

| CASING DIA. (FT) | WELL CONSTANT (GAL/FT) |
|---|---|
| 2" (0.1667) | 0.1632 |

CALCULATIONS: VOL. OF $H_2O$ IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

**CALCULATED PURGE VOLUME [GAL]:** 7.5 (3 TIMES CASING VOLUME)

**ACTUAL VOLUME PURGED [GAL]:** 7.5

**PURGE METHOD:** 3'Bailer **PURGE START:** 11:00 **END:** 11:20

## SECTION 3 - SAMPLE IDENTIFICATION

| SAMPLE ID # | TIME / DATE | SAMPLING METHOD | ANALYTICAL SCAN(S) | SAMPLE APPEARANCE |
|---|---|---|---|---|
| Gw-3<br>Dupe | 6/32/99<br>13:15 | 3' Bailer | 8260 TCL,<br>Tot./Sol.-<br>Ba,Fe,Mg,Mn-. Tot<br>Phenolics | Clear |

## SECTION 4 - SAMPLE DATA

| SWL (FT) | TEMP (°C) | pH | CONDUCTIVITY µS/cm | TURBIDITY (NTU) | VISUAL | PID/FID READING |
|---|---|---|---|---|---|---|
| 34.63 | 18.4 | 9.90 | 620 | - | Clear | - |

jkh3023

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

Gw-4

## SECTION 1

**SITE LOCATION:** Strippit, Akron, New York **JOB# :** 1863R-99

**PROJECT NAME:** Post Closure Long Term Monitoring **DATE :** 6/32/99

**SAMPLE COLLECTOR(S):** Jeffrey Kirk Hampton

**WEATHER CONDITIONS:** Sunny, 80°

## SECTION 2 - PURGE INFORMATION

**DEPTH OF WELL [FT]:** 52.40 (MEASURED FROM TOP OF CASING - T.O.C.)

**STATIC WATER LEVEL (SWL) [FT]:** 39.15 (MEASURED FROM T.O.C.)

**DEPTH OF WATER COLUMN [FT]:** 13.25 (DEPTH OF WELL - SWL)

**CALCULATED VOL. OF $H_2O$ PER WELL CASING [GAL]:** 2.1

CALCULATIONS:

| CASING DIA. (FT) | WELL CONSTANT (GAL/FT) | CALCULATIONS |
|---|---|---|
| 2" (0.1667) | 0.1632 | VOL. OF $H_2O$ IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT |

**CALCULATED PURGE VOLUME [GAL]:** 6.4 (3 TIMES CASING VOLUME)

**ACTUAL VOLUME PURGED [GAL]:** 6.0 (DRY)

**PURGE METHOD:** 3'Bailer **PURGE START:** 10:30 **END:** 10:51

## SECTION 3 - SAMPLE IDENTIFICATION

| SAMPLE ID # | TIME / DATE | SAMPLING METHOD | ANALYTICAL SCAN(S) | SAMPLE APPEARANCE |
|---|---|---|---|---|
| Gw-4 | 6/23/99 12:35 | 3' Bailer | 8260 TCL, Tot./Sol.- Ba,Fe,Mg,Mn-. Tot Phenolics | Clear |

## SECTION 4 - SAMPLE DATA

| SWL (FT) | TEMP (°C) | pH | CONDUCTIVITY µS/cm | TURBIDITY (NTU) | VISUAL | PID/FID READING |
|---|---|---|---|---|---|---|
| 41.68 | 21.8 | 9.49 | 997 | - | Clear | - |

jkh3023

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

Gw-5

## SECTION 1

**SITE LOCATION:** Strippit, Akron, New York **JOB# :** 1863R-99

**PROJECT NAME:** Post Closure Long Term Monitoring **DATE :** 6/23/99

**SAMPLE COLLECTOR(S):** Jeffrey Kirk Hampton

**WEATHER CONDITIONS:** Sunny, 80°

## SECTION 2 - PURGE INFORMATION

**DEPTH OF WELL [FT]:** 74.30 (MEASURED FROM TOP OF CASING - T.O.C.)

**STATIC WATER LEVEL (SWL) [FT]:** 53.96 (MEASURED FROM T.O.C.)

**DEPTH OF WATER COLUMN [FT]:** 20.34 (DEPTH OF WELL - SWL)

**CALCULATED VOL. OF $H_2O$ PER WELL CASING [GAL]:** 3.5

CALCULATIONS:

| CASING DIA. (FT) | WELL CONSTANT (GAL/FT) | CALCULATIONS |
|---|---|---|
| 2" (0.1667) | 0.1632 | VOL. OF $H_2O$ IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT |

**CALCULATED PURGE VOLUME [GAL]:** 10.0 (3 TIMES CASING VOLUME)

**ACTUAL VOLUME PURGED [GAL]:** 5.5 (DRY)

**PURGE METHOD:** 3'Bailer **PURGE START:** 9:40 **END:** 9:57

## SECTION 3 - SAMPLE IDENTIFICATION

| SAMPLE ID # | TIME / DATE | SAMPLING METHOD | ANALYTICAL SCAN(S) | SAMPLE APPEARANCE |
|---|---|---|---|---|
| Gw-5 | 6/23/99 12:53 | 3' Bailer | 8260 TCL, Tot./Sol.- Ba,Fe,Mg,Mn-. Tot Phenolics | Clear |

## SECTION 4 - SAMPLE DATA

| SWL (FT) | TEMP (°C) | pH | CONDUCTIVITY µS/cm | TURBIDITY (NTU) | VISUAL | PID/FID READING |
|---|---|---|---|---|---|---|
| 66.19 | 19.8 | 10.50 | 770 | - | Clear | - |

jkh3023

# APPENDIX C

# SUMMARY OF DETECTED PARAMETERS

STRIPPIT, INC
INTERIM REMEDIAL MEASURE
POST-CLOSURE MONITORING

SUMMARY OF DETECTED GROUNDWATER PARAMETERS
QUARTERLY SAMPLING: 4/95 TO 6/99

| 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 |
| pH | Standard | 7.35 | 8.76 | 8.63 | 9.07 | 8.87 | 8.04 | 8.31 | 8.55 |
| specific conductance | uMHOS/cm | 1,400 | 1,170 | 751 | 889 | 1,297 | 862 | 1,179 | 870 |
| turbidity | NTU | 85.8 | 200+ | 46.6 | - | 101.6 | 83.8 | 135.2 | - |
| barium, soluble | mg/L | 0.058 | 0.059 | 0.06 | 0.12 | 0.054 | 0.03 | 0.042 /0.038 | 0.033 |
| barium, total | mg/L | 0.079 | 0.123 | 0.07 | 0.13 | 0.054 | 0.04 | 0.055 / 0.060 | 0.041 |
| iron, soluble | mg/L | LT 0.03 | 0.36 | 0.13 | 8.24 | 0.15 | LT 0.03 | 1.07 / 1.06 | 0.04 |
| iron, total | mg/L | 1.46 | 6.82 | 2.53 | 8.34 | 0.15 | 0.17 | 2.83 / 3.09 | 1.00 |
| magnesium, soluble | mg/L | 50.8 | 44.6 | 47.5 | 66.8 | 62.9 | 68.6 | 58.1 / 56.6 | 63.0 |
| magnesium, total | mg/L | 54.0 | 52.0 | 56.8 | 68.8 | 62.9 | 71.2 | 65.1 / 64.5 | 65.6 |
| manganese, soluble | mg/L | LT 0.005 | 0.026 | 0.01 | 0.23 | 0.039 | 0.021 | 0.042 / 0.038 | 0.015 |
| manganese, total | mg/L | 0.038 | 0.171 | 0.08 | 0.24 | 0.039 | 0.024 | 0.080 / 0.091 | 0.041 |
| total phenols | mg/l | - | - | - | - | LT 0.005 | LT 0.005 | LT 0.005 | LT 0.005 |
| dichlorodifluoromethane | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| chloromethane | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| vinyl chloride | ug/L | LT 0.5 | LT 0.5* | LT 0.5 | LT 0.5 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| acetone | ug/L | 26* | 5.0 | 34.0 B | 6.0 | 71.0 B | LT 5.0B | LT 5.0B | LT 5.0 |
| carbon disulfide | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| trans-1,2-dichloroethene | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| 1,1-dichloroethane | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| chloroform | ug/L | LT 0.5 | LT 0.5 | 1.5 B | LT 0.5 | LT 0.5 | 1.0 B | LT 0.5 | LT 0.5 |
| 2-butanone | ug/L | LT 1.0 | 2* | LT 0.5 | 0.5 | LT 1.0 | LT 1.0 | LT 1.0 | LT 2.0 |
| 1,1,1-trichloroethane | ug/L | LT 0.5 | LT 0.5 | 0.9 B | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| carbon tetrachloride | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| benzene | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| trichloroethene | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| toluene | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | 0.6 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| tetrachloroethene | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| methylene chloride | ug/L | 11 B | LT 5.0 | 21.0 B | LT 5.0 | 35.0 B | 14.0 B | LT 5.0B | LT 5.0 |
| m,p-xylenes | ug/l | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| o-xylenes | ug/l | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| phenol | ug/l | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | - | - | - | - |
| groundwater elevation | feet | 713.43 | 711.04 | 710.09 | 712.82 | 715.76 | 714.71 | 714.29 | 715.02 |

| TEST PARAMETER | UNITS | SAMPLE ROUND | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 9/15/97 | 12/16/97 | 3/13/98 | 6/11/98 | 12/14/98 | 6/23/99 |
| pH | Standard | 7.38 | 7.82 | 7.35 | 8.37 | 7.75 | 8.28 | 7.52 |
| specific conductance | uMHOS/cm | 1,660 | 1,292 | - | 1140 | 1128 | 877 | 764 |
| turbidity | NTU | - | - | - | - | - | - | - |
| barium, soluble | mg/L | 0.0270 | 0.020 | 0.024 | 0.027 | 0.028 | 0.024 / LT 0.020 | 0.025 |
| barium, total | mg/L | 0.0624 | 0.033 | 0.035 | 0.023 | 0.032 | 0.101 / 0.089 | 0.041 |
| iron, soluble | mg/L | 0.812 | 0.061 | LT 0.050 | 0.127 | LT 0.050 | LT 0.050 / 0.414 | LT 0.05 |
| iron, total | mg/L | 5.91 | 0.985 | 1.21 | 0.229 | 0.676 | 9.32 / 8.01 | 1.96 |
| magnesium, soluble | mg/L | 56.0 | 55.2 | 66.5 | 66.2 | 62.2 | 47.2 / 13.5 | 62.3 |
| magnesium, total | mg/L | 66.3 | 69.3 | 78.0 | 65.8 | 64.5 | 60.9 / 58.7 | 63.6 |
| manganese, soluble | mg/L | 0.0347 | LT 0.02 | 0.013 | 0.017 | 0.042 | 0.053 / 0.027 | 0.036 |
| manganese, total | mg/L | 0.158 | 0.03 | 0.049 | 0.019 | 0.069 | 0.278 / 0.240 | 0.084 |
| total phenols | mg/l | LT 0.005 | LT 0.002 | LT 0.002 | LT 0.005 | 0.030 | 0.031 / 0.027 | LT 0.002 |
| dichlorodifluoromethane | ug/L | - | - | - | - | - | - | - |
| chloromethane | ug/L | LT 5.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| vinyl chloride | ug/L | 5.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| acetone | ug/L | LT 20 | LT 5.0 | LT 5.0 | LT 5.0 | 241.9 | LT 5.0 | LT 5.0 |
| carbon disulfide | ug/L | LT 10 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| trans-1,2-dichloroethene | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| 1,1-dichloroethane | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| chloroform | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| 2-butanone | ug/L | LT 10 | LT 5.0 | LT 5.0 | LT 5.0 | LT 5.0 | LT 0.5 | LT 5.0 |
| 1,1,1-trichloroethane | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| carbon tetrachloride | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| benzene | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| trichloroethene | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| toluene | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| tetrachloroethene | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| methylene chloride | ug/L | LT 5.0 | LT 5.0 | LT 5.0 | LT 5.0 | LT 5.0 | LT 5.0 | LT 5.0 |
| m,p-xylenes | ug/l | LT 5.0 | LT 1.0 | 1.9 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| o-xylenes | ug/l | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| phenol | ug/l | - | - | - | - | - | - | - |
| groundwater elevation | feet | 715.09 | 712.34 | 713.81 | 715.52 | 715.27 | 710.52 | 713.24 |

Notes:

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

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 |
| 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. |

RK3233B

STRIPPIT, INC.
INTERIM REMEDIAL MEASURE
POST-CLOSURE MONITORING

SUMMARY OF DETECTED GROUNDWATER PARAMETERS
QUARTERLY SAMPLING: 4/95 TO 6/99

| 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 |
| pH | Standard | 7.23 | 11.58 | 11.71 | 12.23 | 11.55 | 11.33 | 11.29 | 11.31 |
| specific conductance | uMHOS/cm | 1,870 | 1,170 | 695 | 771 | 1,239 | 1,050 | 827 | 244 |
| turbidity | NTU | 200+ | 16.5 | 11.9 | - | 11.6 | 6.91 | 3.92 | 74.0 |
| barium, soluble | mg/L | 0.199 | 0.20 | 0.18 | 0.15 | 0.116 | 0.129 | .171^ | 0.115 |
| barium, total | mg/L | 0.210 | 0.211 | 0.21 | 0.18 | 0.118 | 0.130 | .139^ | 0.127 |
| iron, soluble | mg/L | LT 0.03 | 0.15 | 0.007 | 0.43 | 0.09 | LT 0.03 | .10^ | 0.34 |
| iron, total | mg/L | 0.25 | 0.49 | 1.44 | 1.26 | 0.09 | 0.18 | .26^ | 0.41 |
| magnesium, soluble | mg/L | LT 0.05 | 0.14 | 0.23 | 1.01 | 0.47 | 0.95 | .91^ | 0.089 |
| magnesium, total | mg/L | 1.03 | 0.36 | 0.91 | 1.36 | 0.47 | 2.51 | 2.80^ | 0.342 |
| manganese, soluble | mg/L | LT 0.005 | 0.053 | LT 0.005 | 0.03 | LT 0.005 | LT 0.005 | LT 0.005^ | 0.008 |
| manganese, total | mg/L | 0.006 | 0.150 | 0.02 | 0.04 | LT 0.005 | LT 0.005 | .03^ | 0.009 |
| total phenols | mg/l | - | - | - | - | LT 0.005 | 0.020 | 0.008 | 0.005 |
| dichlorodifluoromethane | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| chloromethane | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| vinyl chloride | ug/L | LT 0.5 | LT 0.5* | LT 0.5 | LT 0.5 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| acetone | ug/L | 31* | 33 | 63.0 B | 24.0 | 100 B | 21.0 B | 47.0 B | 19.0 |
| carbon disulfide | ug/L | LT 0.5 | LT 0.5* | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| trans-1,2-dichloroethene | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| 1,1-dichloroethane | ug/L | 0.6* | LT 0.5 | 0.7 | LT 0.5 | 0.5 | LT 0.5 | 0.7 | 0.6 |
| chloroform | ug/L | LT 0.5 | LT 0.5 | 2.0 | 0.6 | LT 0.5 | 0.8 B | LT 0.5 | LT 0.5 |
| 2-butanone | ug/L | 3.0* | 6.0* | LT 0.5 | 2.0 | 4.0 | LT 1.0 | LT 1.0 | LT 2.0 |
| 1,1,1-trichloroethane | ug/L | LT 0.5 | LT 0.7 | 0.6 B | LT 0.5 | LT 0.5 | 0.6 | LT 0.5 | LT 0.5 |
| carbon tetrachloride | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| benzene | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | 0.6 | LT 0.5 | LT 0.5 |
| trichloroethene | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| toluene | ug/L | 0.7* | LT 0.5 | 0.9 | 0.6 | 0.8 | 1.0 | 0.9 | 0.6 |
| tetrachloroethene | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| methylene chloride | ug/L | 11 B | LT 5.0 | 23.0 | 10.0 | 38.0 B | LT 5.0 B | LT 5.0 B | LT 5.0B |
| m,p-xylenes | ug/l | LT 1.0 | LT 1.0 | LT 1.0 | 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| o-xylenes | ug/l | LT 0.5 | LT 0.5 | LT 0.5 | 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| phenol | ug/l | LT 1.0 | 5.6 | 2.0 | 3.0 | - | - | - | - |
| groundwater elevation | feet | 719.90 | 717.08 | 715.62 | 718.59 | 721.58 | 720.24 | 719.96 | 721.22 |

| TEST PARAMETER | UNITS | SAMPLE ROUND | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 6/9/97 | 9/15/97 | 12/16/97 | 3/13/98 | 6/11/98 | 12/14/98 | 6/23/99 |
| pH | Standard | 10.51 | 10.61 | 10.43 | 11.54 | 11.28 | 11.42 | 11.04 |
| specific conductance | uMHOS/cm | 770 | 904 | 864 | 79.5 | 799 | 676 | 761 |
| turbidity | NTU | - | - | - | - | - | - | - |
| barium, soluble | mg/L | 0.102 | 0.091 | 0.045 | 0.094 | 0.094 | 0.088 | 0.140 |
| barium, total | mg/L | 0.108 | 0.110 | 0.099 | 0.091 | 0.118 | 0.107 | 0.146 |
| iron, soluble | mg/L | LT 0.100 | LT 0.050 | LT 0.050 | LT 0.050 | LT 0.050 | LT 0.050 | LT 0.05 |
| iron, total | mg/L | LT 0.100 | 0.319 | 9.35 | 0.194 | 0.247 | 0.431 | 1.23 |
| magnesium, soluble | mg/L | LT 0.500 | LT 0.5 | 4.10 | 0.038 | 0.099 | 0.214 | 0.131 |
| magnesium, total | mg/L | LT 0.500 | LT 0.5 | 23.3 | 0.222 | 0.393 | 0.404 | 1.14 |
| manganese, soluble | mg/L | LT 0.010 | LT 0.02 | LT 0.010 | LT 0.010 | LT 0.010 | LT 0.010 | LT 0.01 |
| manganese, total | mg/L | LT 0.010 | LT 0.02 | 0.224 | LT 0.010 | LT 0.010 | LT 0.010 | 0.025 |
| total phenols | mg/l | LT 0.005 | LT 0.02 | LT 0.002 | LT 0.005 | 0.008 | 0.008 | LT 0.002 |
| dichlorodifluoromethane | ug/L | - | - | - | - | - | - | - |
| chloromethane | ug/L | LT 5.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| vinyl chloride | ug/L | LT 5.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| acetone | ug/L | LT 20 | LT 5.0 | LT 5.0 | 9.6 | 29.6 | 10.8 | 6.9 |
| carbon disulfide | ug/L | LT 10 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| trans-1,2-dichloroethene | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| 1,1-dichloroethane | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 1.0 |
| chloroform | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| 2-butanone | ug/L | LT 10 | LT 5.0 | LT 5.0 | LT 5.0 | LT 5.0 | LT 5.0 | LT 5.0 |
| 1,1,1-trichloroethane | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| carbon tetrachloride | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| benzene | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| trichloroethene | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| toluene | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | 0.5 |
| tetrachloroethene | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| methylene chloride | ug/L | LT 5.0 | LT 5.0 | LT 5.0 | LT 5.0 | LT 5.0 | LT 5.0 | LT 5.0 |
| m,p-xylenes | ug/l | LT 5.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| o-xylenes | ug/l | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| phenol | ug/l | - | - | - | - | - | - | - |
| groundwater elevation | feet | 720.69 | 717.76 | 719.67 | 721.29 | 720.39 | 715.77 | 717.64 |

Notes: LT = Less than detection limit shown.
B = Compound also detected in blank (see laboratory report).
* = Estimated value, see lab report.
- = Not tested

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
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 soluble barium, total barium, soluble iron, total iron, soluble magnesium, total magnesium, soluble manganese, and total manganese are average values. Refer to analytical/aborating reports

RK3234B

STRIPPIT, INC.
INTERIM REMEDIAL MEASURE
POST CLOSURE MONITORING

SUMMARY OF DETECTED GROUNDWATER PARAMETERS
QUARTERLY SAMPLING: 4/95 TO 12/98

| TEST PARAMETER | UNITS | Sample Round | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 4/11/95 | 7/12/95 | 10/16/95 | 1/22/96 | 5/8/96 | 8/6/96 | 10/29/97 | 2/6/97 |
| pH | Standard | 6.82 | 8.01 | 8.01 | 8.42^ | 8.42 | 7.85 | 7.53 | 7.63 |
| specific conductance | uMHOS/cm | 2,010 | 568 | 502 | 475 | 614 | 623 | 585 | 342 |
| turbidity | NTU | 26.0 | 26.8 | 191 | - | 70.7 | 5.12 | 150.3 | 47.4 |
| barium, soluble | mg/L | 0.056 | .032^ | .07^ | .85^ | .075^ | 0.065 | .073^ | 0.066 |
| barium, total | mg/L | 0.065 | .173^ | .165^ | .09^ | .078^ | 0.086 | .078^ | 0.083 |
| iron, soluble | mg/L | LT 0.03 | .10^ | .095^ | 3.02^ | 2.03^ | 0.05 | 1.74^ | 0.12 |
| iron, total | mg/L | 1.56 | 6.71^ | 13.55^ | 4.09^ | 4.23^ | 1.30 | 2^ | 2.37 |
| magnesium, soluble | mg/L | 27.7 | 29.35^ | 29.65^ | 31.95^ | 30.65^ | 27.9 | 28.45^ | 29.7 |
| magnesium, total | mg/L | 28.3 | 68.7^ | 72.55^ | 32.45^ | 30.95^ | 32.7 | 16.65^ | 32.9 |
| manganese, soluble | mg/L | 0.078 | .138^ | .075^ | .165^ | .131^ | 0.124 | .113^ | 0.148 |
| manganese, total | mg/L | 0.120 | .456^ | .66^ | .21^ | .142^ | 0.141 | .128^ | 0.148 |
| total phenols | mg/l | | | | | LT 0.005 | 0.14 | LT 0.005 | LT 0.005 |
| dichlorodifluaromethane | ug/L | 2.4* | LT 0.5^ | LT 0.5^ | LT 0.5^ | LT 1.0^ | LT 1.0 | LT 1.0^ | LT 1.0 |
| chloromethane | ug/L | 1.5* | LT 0.5^ | LT 0.5^ | LT 0.5^ | LT 1.0^ | LT 1.0 | LT 1.0^ | LT 1.0 |
| vinyl chloride | ug/L | 2.3* | LT 0.5^* | LT 0.5^ | LT 0.5^ | LT 1.0 ^ | LT 1.0 | LT 1.0^ | LT 1.0 |
| acetone | ug/L | 16* | 10.5^ | 18.5^ | LT5.5^ | 90B^ | LT 5.0 B | LT 5.0 B^ | LT 5.0 |
| carbon disulfide | ug/L | 1.8* | LT 0.5^ | LT 0.5^ | LT 0.5^ | LT 0.5 ^ | 3.0 | LT 0.5 ^ | LT 0.5 |
| 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 ^ | LT 0.5 |
| 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 ^ | LT 0.5 |
| chloroform | ug/L | 0.7* | LT1.5^ | 1.5B^ | LT 0.5^ | LT.95B^ | 3.0 B | LT 0.5^ | LT 0.5 |
| 2-butanone | ug/L | LT 1.0 | 7.5^ | .75^ | LT.55^ | LT.75^ | LT 1.0 | LT1.0^ | LT 2.0 |
| 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^ | LT 0.5 |
| carbon tetrachloride | ug/L | 1.7* | LT 0.5^ | LT 0.5^ | LT 0.5^ | LT 0.5 ^ | LT 0.5 | LT 0.5 ^ | LT 0.5 |
| benzene | ug/L | 0.5* | LT 0.5^ | LT 0.5^ | LT 0.5^ | LT 0.5 ^ | LT 0.5 | LT 0.5 ^ | LT 0.5 |
| trichloroethene | ug/L | 0.8* | LT 0.5^ | LT 0.5^ | LT 0.5^ | LT 0.5 ^ | LT 0.5 | LT 0.5^& | LT 0.5 |
| toluene | ug/L | 0.7* | LT 0.5^ | LT 0.5^ | LT 0.5^ | LT 0.5^ | LT 0.5 | LT 0.5^ | LT 0.5 |
| tetrachloroethene | ug/L | 0.9* | LT 0.5^ | LT 0.5^ | LT 0.5^ | LT 0.5 ^ | LT 0.5 | LT 0.5^ | LT 0.5 |
| methylene chloride | ug/L | 6.3 B | LT 5.0^ | 15.5B^ | 5.5^ | 37.5^ | 10.0 B | LT 5.0 B ^ | LT 5.0 B |
| m,p-xylenes | ug/l | LT 1.0 | LT2.0^ | LT 1.0^ | LT 1.0^ | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| o-xylenes | ug/l | LT 0.5 | 7.5 | LT 0.5^ | LT 0.5^ | LT 0.5^ | LT 0.5 | LT 0.5^ | LT 0.5 |
| phenol | ug/l | LT 1.0 | LT 1.0^ | LT 1.0^ | LT 1.0^ | - | - | - | - |
| groundwater elevation | feet | 709.53 | 707.19 | 705.56 | 708.26 | 711.25 | 710.47 | 709.65 | 710.29 |

| TEST PARAMETER | UNITS | SAMPLE ROUND | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 6/9/97 | 9/15/97 | 12/16/97 | 3/13/98 | 6/11/98 | 12/14/98 | 6/23/99 |
| pH | Standard | 7.73 | 7.03 | 7.43 | 8.25 | 6.93 | 9.20 | 9.90 |
| specific conductance | uMHOS/cm | 570 | 635 | 567 | 626 | 445 | 507 | 620 |
| turbidity | NTU | - | - | - | - | - | - | - |
| barium, soluble | mg/L | 0.0583^ | 0.057 | 0.055^ | 0.055^ | 0.057^ | 0.028 | 0.064^ |
| barium, total | mg/L | 0.072^ | 0.076 | 0.087^ | 0.063^ | 0.069^ | 0.071 | 0.0775^ |
| iron, soluble | mg/L | 0.114^ | LT 0.05 | LT 0.05 ^ | LT 0.050^ | LT 0.050^ | LT 0.005 | LT0.005 |
| iron, total | mg/L | 2.255^ | 3.80 | 4.65^ | 1.72^ | 1.38^ | 1.81 | 1.96^ |
| magnesium, soluble | mg/L | 26.9^ | 25.4 | 29.5^ | 27.2^ | 24.55^ | 16.6 | 28.25^ |
| magnesium, total | mg/L | 30.35^ | 35.8 | 39.35^ | 28.7^ | 27.55^ | 24.6 | 32.15^ |
| manganese, soluble | mg/L | 0.0776^ | 0.05 | 0.080^ | 0.0695^ | 0.0625 | LT 0.010 | 0.082^ |
| manganese, total | mg/L | 0.00145^ | 0.12 | 0.195^ | 0.0965^ | 0.01135^ | 0.079 | 0.128^ |
| total phenols | mg/l | LT 0.005^ | LT 0.002 | LT 0.002^ | LT 0.05 | LT 0.050^ | LT 0.001 | LT0.002 |
| dichlorodifluoromethane | ug/L | - | - | - | - | - | - | - |
| chloromethane | ug/L | LT 5.0^ | LT 1.0 | LT 1.0 ^ | LT 1.0^ | LT 1.0^ | LT 1.0 | LT 1.0 |
| vinyl chloride | ug/L | LT 5.0^ | LT 1.0 | LT 1.0^ | LT 1.0^ | LT 1.0^ | LT 1.0 | LT 1.0 |
| acetone | ug/L | LT 20^ | LT 5.0 | LT 5.0 ^ | LT 5.0^ | LT 5.0^ | LT 5.0 | LT 5.0 |
| carbon disulfide | ug/L | LT 10^ | LT 1.0 | LT 1.0 ^ | LT 1.0^ | LT 1.0^ | LT 1.0 | LT 1.0 |
| trans-1,2-dichloroethene | ug/L | LT 5.0^ | LT 0.5 | LT 0.5^ | LT 0.5^ | LT 0.5^ | LT 0.5 | LT 0.5 |
| 1,1-dichloroethane | ug/L | LT 5.0^ | LT 0.5 | LT 0.5^ | LT 0.5^ | LT 0.5^ | LT 0.5 | LT 0.5 |
| chloroform | ug/L | LT 5.0^ | LT 0.5 | LT 0.5^ | LT 0.5^ | LT0.5^ | LT 0.5 | LT 0.5 |
| 2-butanone | ug/L | LT 10^ | LT 5.0 | LT 5.0 ^ | LT 5.0^ | LT 5.0^ | LT 5.0 | LT 5.0 |
| 1,1,1-trichloroethane | ug/L | LT 5.0^ | LT 0.5 | LT 0.5^ | LT 0.5^ | LT 0.56 | LT 0.5 | LT 0.5 |
| carbon tetrachloride | ug/L | LT 5.0^ | LT 0.5 | LT 0.5^ | LT 0.5^ | LT 0.5^ | LT 0.5 | LT 0.5 |
| benzene | ug/L | LT 5.0^ | LT 0.5 | LT 0.5^ | LT 0.5^ | LT 0.5^ | LT 0.5 | LT 0.5 |
| trichloroethene | ug/L | LT 5.0^ | LT 0.5 | LT 0.5^ | LT 0.5^ | LT 0.5^ | LT 0.5 | LT 0.5 |
| toluene | ug/L | LT 5.0^ | LT 0.5 | LT 0.5^ | LT 0.5^ | LT 1.0^ | LT 0.5 | LT 0.5 |
| tetrachloroethene | ug/L | LT 5.0^ | LT 0.5 | LT 0.5 ^ | LT 0.5^ | LT 0.5^ | LT 0.5 | LT 0.5 |
| methylene chloride | ug/L | LT 5.0^ | LT 5.0 | LT 5.0 ^ | LT 5.0^ | LT 5.0^ | LT 5.0 | LT 5.0 |
| m,p-xylenes | ug/l | LT 5.0^ | LT 1.0 | LT 12.8^ | LT 1.0^ | LT 3.35 | LT 1.0 | LT 1.0 |
| o-xylenes | ug/l | LT 5.0^ | LT 0.5 | LT 3.6^ | LT 0.5^ | LT 0.5^ | LT 0.5 | LT 0.5 |
| phenol | ug/l | - | - | - | - | - | - | - |
| groundwater elevation | feet | 710.16 | 708.13 | 709.14 | 711.01 | 710.47 | 706.24 | 707.94 |

Notes:

| | | |
|---|---|---|
| LT | = | Less than detection limit shown. |
| B | = | Compound also detected in blank (see below). |
| * | = | Estimated value, see lab report. |
| ^ | = | Average consent of two test results (refer to analytical laboratory results) |

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. |
| 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. |

RK3157B

STRIPPIT, INC. MEASURE
INTERIM REMEDIAL
POST CLOSURE MONITORING

SUMMARY OF DETECTED GROUNDWATER PARAMETERS
QUARTERLY SAMPLING: 4/95 TO 12/98

| 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 |
| pH | Standard | 7.06 | 8.31 | 8.34 | 9.07 | 8.03 | 8.01 | 7.47 | 8.205^ |
| specific conductance | uMHOS/cm | 1,990 | 935 | 628 | 626 | 1,118 | 1,141 | 1,094 | 743^ |
| turbidity | NTU | 200+ | 200+ | 106.7 | - | 42.7 | 105.4 | 46.7 | 115.6 |
| barium, soluble | mg/L | 0.045^ | 0.058 | 0.07 | 0.11 | 0.044 | 0.041^ | 0.05 | .0498^ |
| barium, total | mg/L | 0.179^ | 0.099 | 0.12 | 0.13 | 0.044 | 0.044^ | 0.054 | 0.071^ |
| iron, soluble | mg/L | LT 0.03^ | 1.00 | 0.37 | 8.32 | 1.0 | 0.03^ | 1.94 | 0.225^ |
| iron, total | mg/L | 12.02^ | 6.72 | 11.9 | 9.85 | 1.0 | 0.0425^ | 2.14 | 2.87^ |
| magnesium, soluble | mg/L | 50.05^ | 36.7 | 30.2 | 47.9 | 39.7 | 37.5^ | 44.3 | 39.65^ |
| magnesium, total | mg/L | 77.9^ | 48.3 | 66.0 | 49.4 | 39.7 | 38.85^ | 49.1 | 46.15^ |
| manganese, soluble | mg/L | LT 0.005^ | 0.029 | 0.15 | 0.20 | 0.022 | 0.0165^ | 0.062 | 0.0305^ |
| manganese, total | mg/L | 0.32^ | 0.162 | 0.32 | 0.24 | 0.022 | 0.0215^ | 0.086 | 0.0755^ |
| total phenols | mg/l | | | | | LT 0.005 | LT 0.005^ | LT 0.005 | 0.012^ |
| dichlorodifluoromethane | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| chloromethane | ug/L | LT 0.5^ | LT 0.5 | LT 0.5 | LT 0.5 | LT 1.0 | LT 1.0^ | LT 1.0 | LT 1.0^ |
| vinyl chloride | ug/L | LT 0.5^ | LT 0.5* | LT 0.5 | LT 0.5 | LT 1.0 | LT 1.0^ | LT 1.0 | LT 1.0^ |
| acetone | ug/L | 12* ^ | LT 5.0 | 29.0 B | 14.0 | 38.0 B | LT 5.0^ | LT 5.0 B | LT 5.0^ |
| carbon disulfide | ug/L | LT 0.5^ | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5^ | LT 0.5 | LT 0.5^ |
| trans-1,2-dichloroethene | ug/L | LT 0.5^ | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5^ | LT 0.5 | LT 0.5^ |
| 1,1-dichloroethane | ug/L | LT 0.5^ | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5^ | LT 0.5 | LT 0.5^ |
| chloroform | ug/L | LT 0.5^ | 1.6 | 1.0 B | 0.8 | LT 0.5 | LT 0.55 B^ | LT 0.5 | LT 0.5^ |
| 2-butanone | ug/L | LT 1.0^ | LT 1.0 | LT 0.5 | 1.0 | LT 1.0 | LT 1.0^ | LT 1.0 | LT 2.0^ |
| 1,1,1-trichloroethane | ug/L | LT 0.5^ | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5^ | LT 0.5 | LT 0.5^ |
| carbon tetrachloride | ug/L | LT 0.5^ | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5^ | LT 0.5 | LT 0.5^ |
| benzene | ug/L | LT 0.5^ | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5^ | LT 0.5 | LT 0.5^ |
| trichloroethene | ug/L | LT 0.5^ | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5^ | LT 0.5 | LT 0.5^ |
| toluene | ug/L | LT 0.5^ | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5^ | LT 0.5 | LT 0.5^ |
| tetrachloroethene | ug/L | LT 0.5^ | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5^ | LT 0.5 | LT 0.5^ |
| methylene chloride | ug/L | 2.6 B^ | LT 5.0 | 18.0 B | 10 | 36.0 B | LT 6.0 B^ | LT 5.0 B | LT 5.0 B^ |
| m,p-xylenes | ug/l | LT 1.0^ | 2.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0^ | LT 1.0 | LT 1.0^ |

| 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 |
| o-xylenes | ug/l | LT 0.5^ | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5^ | LT 0.5 | LT 0.5^ |
| phenol | ug/l | LT 1.0^ | LT 1.0 | LT 1.0 | LT 1.0 | - | - | - | - |
| groundwater elevation | feet | 715.06 | 712.56 | 711.13 | 713.69 | 716.70 | 715.75 | 715.36 | 716.14 |

| TEST PARAMETER | UNITS | SAMPLE ROUND | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 6/9/97 | 9/15/97 | 12/16/97 | 3/13/98 | 6/11/98 | 12/14/98 | 6/23/99 |
| pH | Standard | 7.62 | 7.92 | 8.06 | 9.11 | 8.27 | 9.10 | 9.49 |
| specific conductance | uMHOS/cm | 1,220 | 1,237 | 989 | 985 | 918 | 745 | 997 |
| turbidity | NTU | - | - | - | - | - | - | - |
| barium, soluble | mg/L | 0.0464 | 0.051^ | 0.052 | 0.054 | 0.038 | 0.029 | 0.060 |
| barium, total | mg/L | 0.0575 | 0.060^ | 0.055 | 0.055 | 0.055 | 0.081 | 0.059 |
| iron, soluble | mg/L | LT 0.100 | LT 0.62^ | 0.060 | LT 0.050 | LT 0.050 | LT 0.050 | LT 0.050 |
| iron, total | mg/L | 1.29 | 1.32^ | 0.766 | .286 | 1.51 | 4.42 | 1.58 |
| magnesium, soluble | mg/L | 40.3 | 29.55^ | 39.9 | 34.8 | 32.7 | 12.5 | 28.8 |
| magnesium, total | mg/L | 39.0 | 33.75^ | 42.3 | 36.0 | 35.9 | 31.0 | 40.1 |
| manganese, soluble | mg/L | 0.0114 | LT 0.02^ | 0.010 | LT 0.010 | 0.014 | 0.030 | LT 0.010 |
| manganese, total | mg/L | 0.034 | 0.03^ | 0.023 | LT 0.010 | 0.072 | 0.094 | 0.039 |
| total phenols | mg/l | LT 0.0050 | LT 0.002^ | 0.003 | LT 0.0050 | LT 0.005 | 0.002 | LT 0.002 |
| dichlorodifluoromethane | ug/L | - | - | - | - | - | - | - |
| chloromethane | ug/L | LT 5.0 | LT 1.0^ | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| vinyl chloride | ug/L | LT 5.0 | LT 1.0^ | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| acetone | ug/L | LT 20 | LT 5.0^ | 7.7 | LT 0.5 | 16.4 | LT 5.0 | LT 5.0 |
| carbon disulfide | ug/L | LT 10 | LT 1.0^ | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| trans-1,2-dichloroethene | ug/L | LT 5.0 | LT 0.5^ | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| 1,1-dichloroethane | ug/L | LT 5.0 | LT 0.5^ | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| chloroform | ug/L | LT 5.0 | LT 0.5^ | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| 2-butanone | ug/L | LT 10 | LT 5.0^ | LT 5.0 | LT 5.0 | LT 5.0 | LT 5.0 | LT 5.0 |
| 1,1,1-trichloroethane | ug/L | LT 5.0 | LT 0.5^ | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| carbon tetrachloride | ug/L | LT 5.0 | LT 0.5^ | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| benzene | ug/L | LT 5.0 | LT 0.5^ | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 5.0 |

| TEST PARAMETER | UNITS | SAMPLE ROUND | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 6/9/97 | 9/15/97 | 12/16/97 | 3/13/98 | 6/11/98 | 12/14/98 | 6/23/99 |
| trichloroethene | ug/L | LT 5.0 | LT 0.5^ | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| toluene | ug/L | LT 5.0 | LT 0.5^ | LT 0.5 | LT 0.5 | 2.1 | LT 0.5 | LT 0.5 |
| tetrachloroethene | ug/L | LT 5.0 | LT 0.5^ | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| methylene chloride | ug/L | LT 5.0 | LT 5.0^ | LT 5.0 | LT 5.0 | LT 5.0 | LT 5.0 | LT 5.0 |
| m,p-xylenes | ug/l | LT 5.0 | LT 1.0^ | 8.6 | LT 1.0 | 5.9 | LT 1.0 | LT 1.0 |
| o-xylenes | ug/l | LT 5.0 | LT 0.5^ | 2.3 | LT 0.5 | 1.6 | LT 0.5 | LT 0.5 |
| phenol | ug/l | - | - | - | - | - | - | - |
| groundwater elevation | feet | 715.92 | 713.37 | 714.69 | 716.43 | 715.74 | 711.34 | 711.09 |

Notes:

LT = Less than detection limit shown.
B = Compound also detected in blank (see below).
* = Estimated value, see lab report.
^ = Average consent of two test results refer to analytical laboratory results.

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.
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.

RK3158B

STRIPPIT, INC.
INTERIM REMEDIAL MEASURE
POST CLOSURE MONITORING

SUMMARY OF DETECTED GROUNDWATER PARAMETERS
QUARTERLY SAMPLING: 4/95 TO 6/98

| 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 |
| pH | Standard | 6.99 | 10.88 | 10.97 | 11.54 | 10.93 | 10.87 | 10.39 | 10.90 |
| specific conductance | uMHOS/cm | 2,090 | 735 | 506 | 641 | 831 | 816 | 737 | 286 |
| turbidity | NTU | 200+ | 167.8 | 113.2 | - | 162.6 | 181 | 37.8 | 49.5 |
| barium, soluble | mg/L | 0.078 | 0.484 | 0.06 | 0.18 | 0.05 | 0.051 | 0.049 | 0.056 |
| barium, total | mg/L | 0.172 | 0.600 | 0.18 | 0.23 | 0.053 | 0.055 | 0.090 | 0.114 |
| iron, soluble | mg/L | LT 0.03 | 0.09 | 0.34 | 24.8 | 0.48 | LT 0.03 | 0.99 | 0.64 |
| iron, total | mg/L | 23.0 | 1.73 | 24.7 | 34.3 | 0.51 | 0.28 | 1.33 | 8.67 |
| magnesium, soluble | mg/L | 16.5 | 4.32 | 3.68 | 33.5 | 2.40 | 1.33 | 1.96 | 5.42 |
| magnesium, total | mg/L | 32.2 | 9.71 | 32.8 | 42.5 | 2.53 | 2.49 | 3.05 | 18.6 |
| manganese, soluble | mg/L | LT 0.005 | LT 0.005 | 0.01 | 0.57 | 0.011 | LT 0.005 | 0.014 | 0.016 |
| manganese, total | mg/L | 0.485 | 0.038 | 0.62 | 0.76 | 0.011 | 0.008 | 0.03 | 0.218 |
| total phenols | mg/l | - | - | - | - | LT 0.005 | LT 0.005 | LT 0.005 | 0.005 |
| dichlorodifluoro-methane | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| chloromethane | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| vinyl chloride | ug/L | LT 0.5 | LT 0.5* | LT 0.5 | LT 0.5 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| acetone | ug/L | 33* | 29 | 43.0 B | 8.0 | 57.0 B | 7.0 B | 9.0 B | LT 5.0 |
| carbon disulfide | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| trans-1,2-dichloroethene | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| 1,1-dichloroethane | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| chloroform | ug/L | LT 0.5 | LT 1.0 | 1.0 B | LT 0.5 | LT 0.5 | 2.0 B | LT 0.5 | LT 0.5 |
| 2-butanone | ug/L | LT 1.0 | LT 1.0 | 1.0 B | LT 0.5 | LT 1.0 | LT 1.0 | LT 1.0 | LT 2.0 |
| 1,1,1-trichloroethane | ug/L | LT 0.5 | LT 0.5 | 1.5 B | 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| carbon tetrachloride | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| benzene | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| trichloroethene | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| toluene | ug/L | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| tetrachloroethene | ug/L | LT 0.5 | LT 0.5 | 0.6 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| methylene chloride | ug/L | 2.4 B | LT 5.0 | 24.0 B | 12.0 | 23.0 B | 10.0 B | LT 5.0 B | LT 5.0B |
| m,p-xylenes | ug/l | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| o-xylenes | ug/l | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| phenol | ug/l | LT 1.0 | LT 1.4 | LT 1.4 | LT 1.0 | - | - | - | - |
| groundwater elevation | feet | 719.54 | 716.72 | 715 29 | 718 53 | 721.37 | 719.99 | 719 94 | 721.01 |

| TEST PARAMETER | UNITS | SAMPLE ROUND | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 6/9/97 | 9/15/97 | 12/16/97 | 3/13/98 | 6/11/98 | 12/14/98 | 6/32/99 |
| pH | Standard | 10.35 | 10.14 | 10.76 | 11.32 | 10.84 | 11.31 | 10.50 |
| specific conductance | uMHOS/cm | 820 | 903 | 665 | 820 | 590 | 567 | 770 |
| turbidity | NTU | - | - | - | - | - | - | - |
| barium, soluble | mg/L | 0.0463 | 0.043 | 0.101 | 0.051 | 0.049 | 0.034 | 0.042 |
| barium, total | mg/L | 0.0532 | 0.067 | 0.148 | 0.065 | 0.071 | 0.146 | 0.068 |
| iron, soluble | mg/L | LT 0.100 | LT 0.05 | LT 0.050 | LT 0.050 | LT 0.050 | LT 0.050 | LT 0.050 |
| iron, total | mg/L | 1.30 | 4.93 | 1.66 | 1.82 | 2.22 | 17.7 | 3.23 |
| magnesium, soluble | mg/L | 1.54 | 1.3 | 0.14 | 2.07 | 1.99 | 0.440 | 1.59 |
| magnesium, total | mg/L | 3.65 | 8.0 | 1.64 | 5.38 | 9.30 | 23.6 | 5.85 |
| manganese, soluble | mg/L | LT 0.0100 | LT 0.02 | LT 0.010 | LT 0.010 | LT 0.010 | LT 0.010 | LT 0.010 |
| manganese, total | mg/L | 0.0238 | 0.08 | 0.035 | 0.037 | 0.105 | 0.382 | 0.068 |
| total phenols | mg/l | LT 0.005 | LT 0.002 | LT 0.002 | LT 0.005 | 0.081 | 0.002 | LT 0.002 |
| dichlorodifluoro-methane | ug/L | - | - | - | - | - | - | - |
| chloromethane | ug/L | LT 5.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| vinyl chloride | ug/L | LT 5.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| acetone | ug/L | LT 20 | LT 5.0 | 18.8 | LT 5.0 | 19.7 | LT 5.0 | 8.0 |
| carbon disulfide | ug/L | LT 10 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 | LT 1.0 |
| trans-1,2-dichloroethene | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| 1,1-dichloroethane | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| chloroform | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| 2-butanone | ug/L | LT 10 | LT 5.0 | LT 5.0 | LT 5.0 | LT 5.0 | LT 5.0 | LT 5.0 |
| 1,1,1-trichloroethane | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| carbon tetrachloride | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| benzene | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| trichloroethene | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| toluene | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| tetrachloroethene | ug/L | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 | LT 0.5 |
| methylene chloride | ug/L | LT 5.0 | LT 5.0 | LT 5.0 | LT 5.0 | LT 5.0 | LT 5.0 | LT 5.0 |
| m,p-xylenes | ug/l | LT 5.0 | LT 1.0 | LT 1.0 | LT 1.0 | 6.9 | LT 1.0 | LT 1.0 |
| o-xylenes | ug/l | LT 5.0 | LT 0.5 | LT 0.5 | LT 0.5 | 2.4 | LT 0.5 | LT 0.5 |
| phenol | ug/l | - | - | - | - | - | - | - |
| groundwater elevation | feet | 720.14 | 717.55 | 719.42 | 721.08 | 719.96 | 715.57 | 717.30 |

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. |
| 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. |

RK3159B

# APPENDIX D

## SITE INSPECTION REPORT
## June 23, 1999 SAMPLE ROUND

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

Date of Inspection: June 23, 1999

Inspected By: R. Kampff

Summary of Observation:
General Condition of Cover: Generally good; recent repairs to a small area on the north slope (topsoil + re-seeding); mowed within last week

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

Explain: Small erosion area observed previously was repaired (see above)

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: Generally good, however, surface seals on GW-2, GW-3 and GW-5 should be repaired and locks replaced, as necessary.

Condition of Vegetative Cover: Recently mowed; otherwise 6 inches to 12 inches high; no signs of stressed vegetation

Condition of drainage ways (discuss amount of water/sediments present, vegetative growth, unusual staining, blockage, etc.) Sedimentation basin contains thick growth and some sediments.

Additional Comments: _____

Action Item(s) Required: Repair surface seals on monitoring wells and replace locks, as needed. Also clean sedimentation basin.

Action Item(s) completed since last inspection: None Repair of erosion area on south slope, mowing of cap

Signatures: Raymond L Kemp

PHOTOGRAPHS

Surface seal on Monitoring Well No GW-2.

View of assessed property looking south (gas well in foreground) at cap.

12975 Clarence Center Road , Akron, New York
Strippit
Job # 1863R-99
July 23, 1999

View of assessed property looking south at western slope of capped area.

Sedimentation basin over grown with vegetation.

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