The electronic version of this file/report should have the file name:

Type of document.Spill Number.Year-Month.File *Year-Year* or Report name.pdf

letter._____._____-_____.File spillfile___.pdf

report.HW915053.1997-03-01.IRM MONITORING AND MAINTENANCE REPORT.pdf

Project Site numbers will be proceeded by the following:

Municipal Brownfields - b
Superfund - hw
Spills - sp
ERP - e
VCP - v
BCP - c

non-releasable - put .nf.pdf
Example: letter.sp9875693.1998-01.Filespillfile.nf.pdf

915053

[redacted]

IRM MONITORING AND MAINTENANCE REPORT ANNUAL REPORT 1997 STRIPPIT, INC. AKRON, NEW YORK NYSDEC SITE NUMBER 9-15-053

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

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

Date: March, 1997

TABLE OF CONTENTS

1.0 **INTRODUCTION** 1

2.0 **GROUNDWATER SAMPLING PROCEDURES** 1

3.0 **GROUNDWATER ELEVATIONS** 2

4.0 **ANALYTICAL LABORATORY RESULTS** 3

5.0 **SITE INSPECTION REPORT FEBRUARY 6, 1997 SAMPLE ROUND** 4

6.0 **DISCUSSION** 4

Figure 1 Locus Plan
Figure 2 Site Plan
Figure 3 Groundwater Contour Map: April 11, 1995 / May 8, 1996
Figure 4 Groundwater Contour Map: October 16, 1995 / October 29, 1996

Appendix **A** February 6, 1997 Sample Round: ACTS Testing Labs, Inc. Report and Chain-of-Custody Documentation
Appendix **B** February 6, 1997 Sample Round: Monitoring Well Sample Logs
Appendix **C** Summary of Detected Parameters, Mean Concentrations and Standard Deviations
Appendix **D** Site Inspection Report

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 presented 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 annual report summarizes the results of the eight quarterly sample rounds completed at the Site between April 11, 1995, and February 6, 1997 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, the results of the February 6, 1996 inspection of the Site and a discussion of the long-term groundwater monitoring completed to date.

2.0 GROUNDWATER SAMPLING PROCEDURES

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

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

02067-GW-1

Where:

02067 = sample date
GW-1 = sample location

The analytical laboratory also assigned lab numbers to each of the samples to track the samples throughout the testing process (refer to the analytical laboratory report for the February 6, 1997 sample round included in Appendix A).

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

- pH: Cole-Parmer Model 05985-80 Digi-Sensit pH Meter
- Specific conductance and temperature: Cole-Parmer Model 1481-5 Conductivity/Temperature Meter
- Turbidity: LaMotte Model 2008 Turbidity Meter

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

The containers for volatile organic compound (VOC) testing were filled first. The remaining sample containers were filled by placing approximately equal amounts of sample from the bailer into each sample container until the container was filled. When the containers were filled they were placed in a plastic cooler containing ice and stored in a locked field vehicle until they were picked up by the analytical laboratory for testing. Chain-of-custody documentation was maintained throughout the sample collection process. Copies of the executed chain-of-custody forms for the February 6, 1997 sample round are included with the test results in Appendix A.

Copies of the monitoring well sample logs for the February 6, 1997 sample round are included in Appendix B (documentation for previous rounds was submitted in earlier quarterly reports). These logs summarize in-situ measurements, groundwater depths, purging information and other relative data.

3.0 GROUNDWATER ELEVATIONS AND FLOW PATTERNS

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

Groundwater contour maps for the April 11, 1995 sample round (i.e., seasonally high groundwater elevations) and the October 16, 1995 sample round (i.e., seasonally low groundwater elevations) are included as Figures 3 and 4, respectively. These maps also

include groundwater contours for comparable sample rounds conducted in 1996 (e.g., the April 11, 1995 map also includes data collected during the May 8, 1996 sample round and the October 16, 1995 map also includes the data collected during the October 29, 1996 sample round). As indicated by the contour maps, monitoring wells GW-2 and GW-5 are located in apparent upgradient positions and the remaining wells (GW-1, GW-3 and GW-4) are located in downgradient positions relative to the IRM fill area and wells GW-2 and GW-5. As depicted on Figures 3 and 4, the direction of groundwater flow is generally to the north (i.e., towards GW-4) and the northwest (i.e., towards GW-1 and GW-3). While the groundwater elevations are higher in all wells during 1996, compared to 1995, the groundwater flow directions are generally comparable.

4.0 ANALYTICAL LABORATORY RESULTS

During the February 6, 1997 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. A trip blank, designated "TRIP", was prepared by the analytical laboratory and handled/transported similarly to the other test samples. All samples were analyzed by ACTS Testing Labs, Inc. (ACTS) of Buffalo, New York for the following parameters.

- TCL Volatile Organic Compounds via USEPA Method 8240
- Total phenols via applicable procedures listed in "Standard Methods for the Examination of Water and Wastewater," 18th Edition
- Total and Soluble Barium, Cyanide, Iron, Magnesium and Manganese via applicable procedures listed in "Standard Methods for the Examination of Water and Wastewater," 18th Edition.

Each sample was analyzed for the complete list of parameters presented above, except the trip blank which was only analyzed for TCL VOCs. ACTS filtered a portion of unpreserved sample from each test location using a 2-micron filter to create the "soluble" sample for testing. A copy of ACTS report for samples collected on February 6, 1996 is included in Appendix A.

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

5.0 SITE INSPECTION REPORT FEBRUARY 6, 1997 SAMPLE ROUND

A copy of the site inspection report completed during the February 6, 1997 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

When groundwater elevations measured in the monitoring wells at the Site for comparable sample rounds are reviewed [e.g., comparing the first (spring) sample round of 1995 to the first sample round of 1996], it is evident that the groundwater level elevations were higher in all wells during 1996 events than they are in comparable 1995 events. These groundwater levels ranged from between about 1.6 feet higher (GW-1 during the first annual sample rounds) to 4.7 feet higher (GW-5 during the third sample rounds). It is also evident that the increases are higher during the second and third sample rounds (i.e., summer and fall, respectively) averaging about 3.8 feet than during the first and fourth sample rounds (i.e., spring and winter, respectively) averaging about 2.2 feet.

Despite the variation in groundwater elevations, the pattern of groundwater flow remained similar when 1995 and 1996 data are compared (i.e., flow towards the north-northwest, refer to Figures 3 and 4).

A review of the mean concentrations for the detected parameters indicates that the majority of the inorganic compounds detected were measured at concentrations below Class GA standards established in 6 NYCRR Parts 700-705 for potable groundwater supplies. Mean values exceeding these standards include total iron in all wells and soluble iron in wells GW-1, GW-3, GW-4 and GW-5. The mean concentration for total magnesium exceed Class GA standards in wells GW-1, GW-3 and GW-4. Only the mean concentrations of soluble magnesium in wells GW-1 and GW-4 exceed Class GA standards. The mean concentration of methylene chloride in each well exceeded 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. No mean concentration for other volatile organic compounds or semi-volatile organic compounds exceed the Class GA standards. The mean pH values measured in the upgradient wells (GW-2 and GW-5) are elevated (i.e., they exceed 8.5 standard units). However, elevated pH values were not measured in downgradient wells, although well GW-1 had a mean pH concentration of 8.45.

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 concentrations in each of the downgradient wells. This comparison indicates that the mean concentration in the downgradient wells for the following parameters exceed the background concentration:

- Specific conductance in wells GW-1 and GW-4
- total and soluble magnesium in wells GW-1, GW-3 and GW-4;
- total manganese in well GW-3;
- soluble manganese in wells GW-1, GW-3, and GW-4;
- total phenols GW-3;
- carbon disulfide in well GW-3;
- 2-butanone in well GW-3;
- chloroform in well GW-3;
- methylene chloride in wells GW-3;

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

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

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

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 $\alpha = 0.05$), the increase in the downgradient wells is considered to be statistically significant.

The results of the t-tests indicate that only the increases in the downgradient mean concentration of total and soluble magnesium in wells GW-1, GW-3 and GW-4, and the mean concentration of total manganese in GW-3 are statistically significant. All of the other compounds evaluated during the t-testing were determined not to be statistically significant.

Based upon the above evaluation, magnesium (and potentially manganese in well GW-4) appears to have caused a degradation of groundwater quality in positions downgradient of the Site. A comparison of the data collected in 1996 to the data collected in 1995 indicates that only the total and soluble magnesium concentrations measured in samples from GW-1 exhibited a statistical increase during the 1996 monitoring rounds. The total and soluble magnesium concentrations measured in samples from GW-3 and GW-4 and the total and soluble concentrations measured in samples from GW-3 either decreased or exhibited a statistically insignificant increase in 1996 compared to 1995.

Monitoring of the IRM closure, during the February 6, 1997 sample round, indicates that the cap system is in relatively good condition. While some of the cap was covered with snow, no significant areas of degradation were observed.

In addition, the monitoring wells and the gas well are in relatively good condition and their surface seals appeared to be adequate.

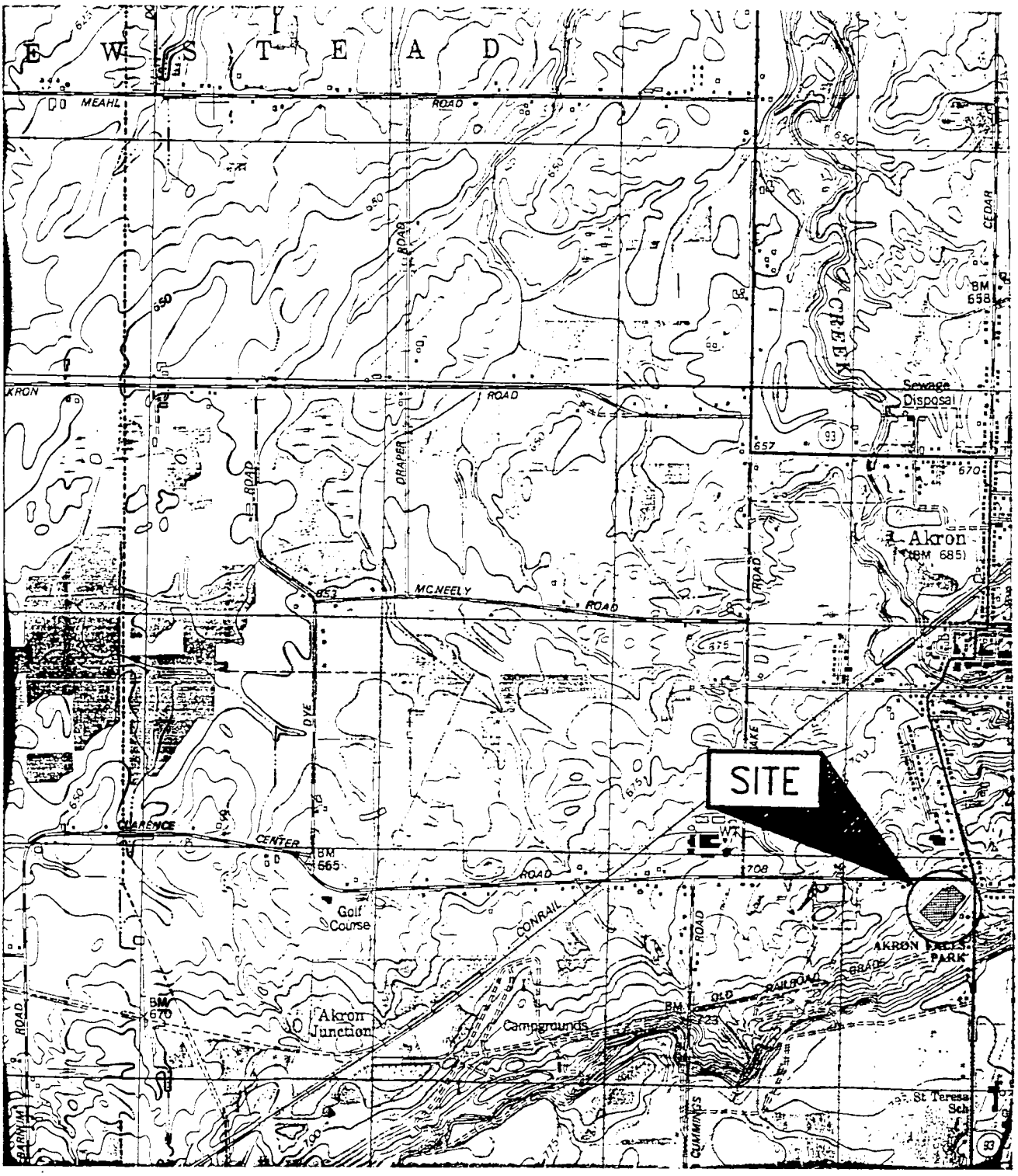
The next scheduled monitoring round is on or about May 6, 1997. Based upon the results of the work completed to date, it is recommended that quarterly monitoring continue for at least one more year and that water samples continue to be tested for the current parameter list. Following the review of the upcoming years sample results, consideration should be given to reducing the sampling frequency to bi-annually and to reducing the required parameter list.

FIGURE 1

LOCUS PLAN

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

REF1: BORDER13
REF2: REF2
REF3: REF3



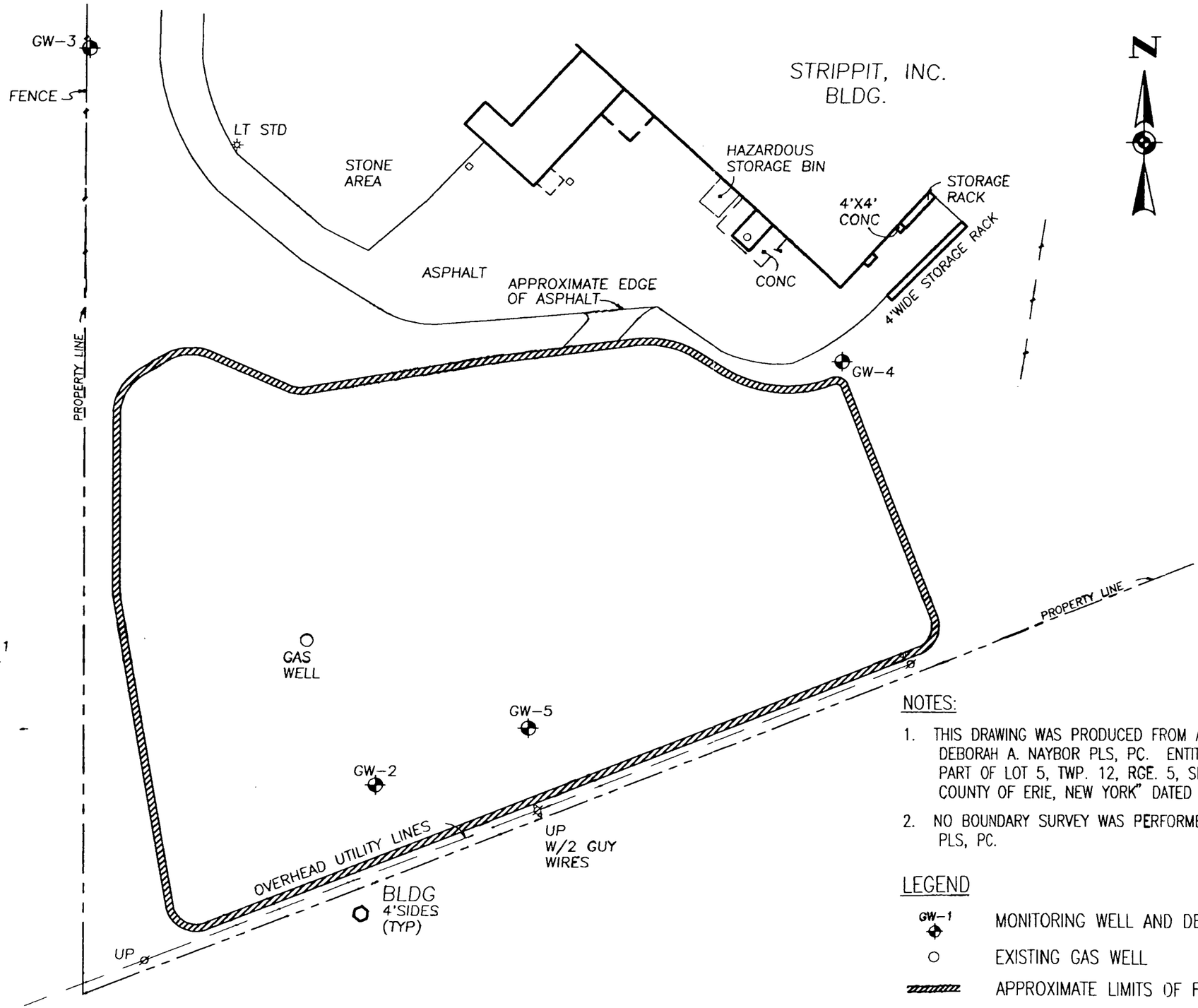
DRAWING PRODUCED FROM: WOLCOTTSVILLE, N.Y.
N4300-W7830/7.5
1980

PROJECT NO. 0938S-96	PROJECT TITLE STRIPPIT, INC. AKRON, NEW YORK	DAY ENVIRONMENTAL, INC.	DATE 3/19/97
FIGURE 1	GROUNDWATER MONITORING	ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK	DRAWN BY
SHEET 1 OF 1	DRAWING TITLE LOCUS PLAN		SCALE 1" = 2000'

FIGURE 2

SITE PLAN

REF1: BORDER12
REF2: STRIP208
REF3: REF3



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

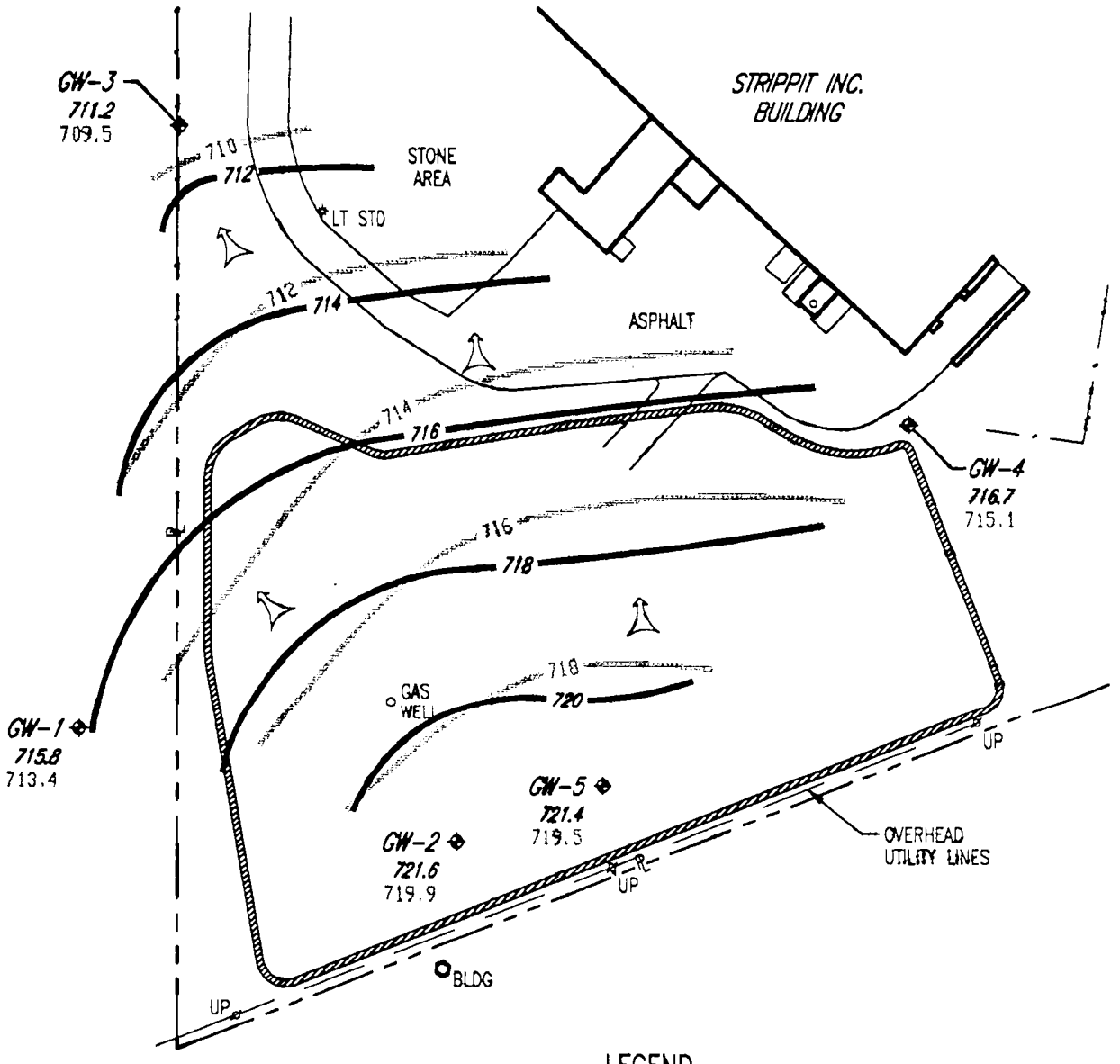
TIME PLOTTED: WED MAR 19, 13:10:00 1997
FILENAME: STRIP207

FIGURE 3

GROUNDWATER CONTOUR MAP:
APRIL 11, 1995 / MAY 8, 1996

TIME PLOTTED: WED MAR 19, 12:30:00 1997
FILENAME: STRIP1

REF1: BORDER13
REF2: REF2
REF3: REF3



LEGEND

—— —℄— ——	PROPERTY LINE
—·—·—·—	EXISTING FENCE LOCATION
▨	APPROXIMATE LIMITS OF FORMER DISPOSAL AREA
GW-1 ◆	GROUNDWATER MONITORING WELL WITH
715.8	GROUNDWATER ELEVATION OBTAINED ON 5/8/96
713.4	GROUNDWATER ELEVATION OBTAINED ON 4/11/95
—— 714 ——	POTENTIOMETRIC CONTOUR FOR 5/8/96
═══ 714 ═══	POTENTIOMETRIC CONTOUR FOR 4/11/95
▷	GROUNDWATER FLOW DIRECTION

NOTES:

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

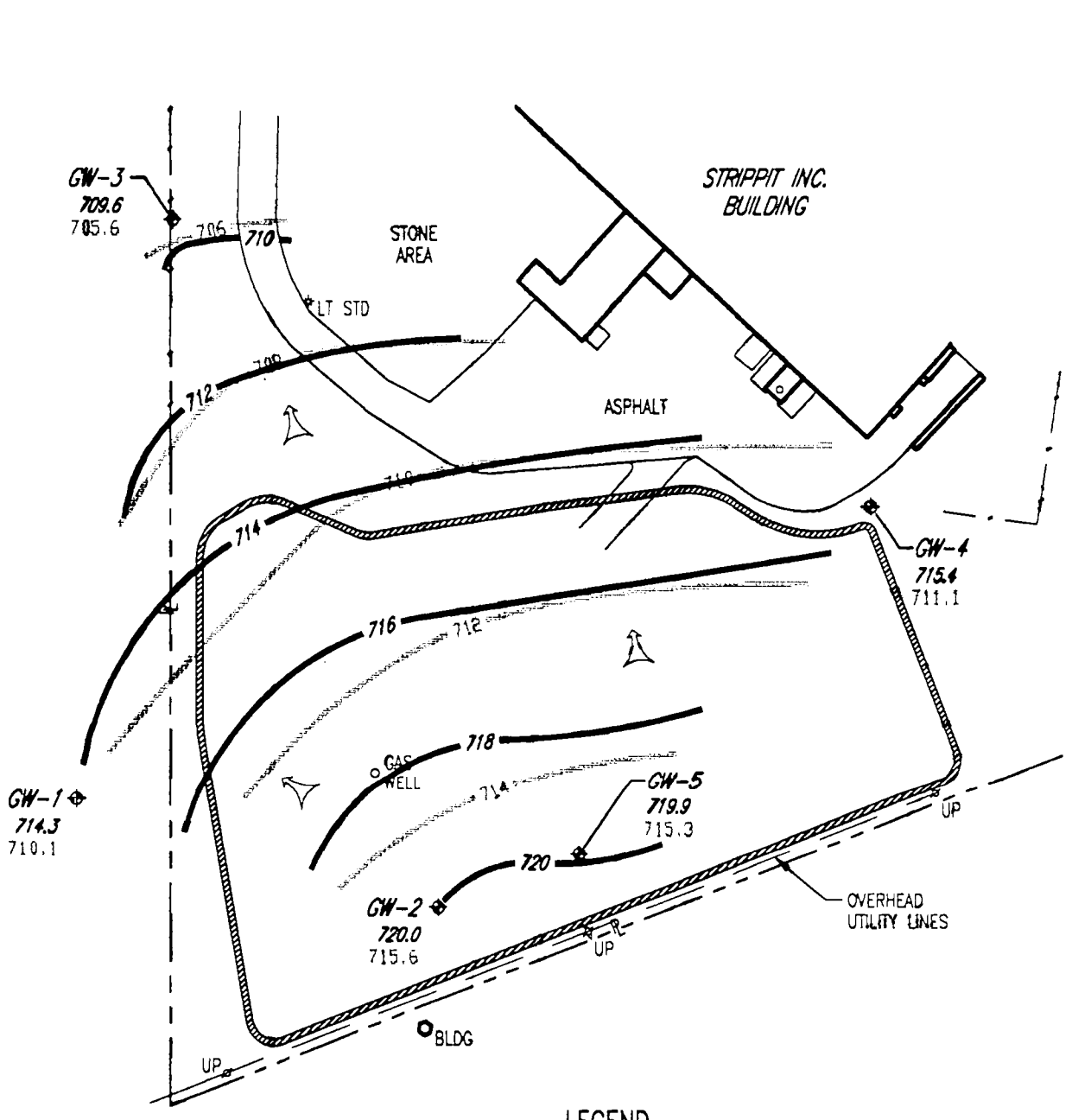
PROJECT NO. 0938S-96	PROJECT TITLE STRIPPIT, INC. AKRON, NEW YORK	DAY ENVIRONMENTAL, INC.	DATE 3/19/97
FIGURE 3	GROUNDWATER MONITORING	ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK	DRAWN BY RJM
SHEET 1 OF 1	DRAWING TITLE POTENTIOMETRIC CONTOUR MAP FOR 4/11/95 & 5/8/96		SCALE 1" = 100'

FIGURE 4

GROUNDWATER CONTOUR MAP:
OCTOBER 16, 1995 / OCTOBER 29, 1996

TIME PLOTTED: WED MAR 19, 12:35:00 1997
FILENAME: STRIP2

REF1: BORDER13
REF2: REF2
REF3: REF3



LEGEND

- PROPERTY LINE
- EXISTING FENCE LOCATION
- APPROXIMATE LIMITS OF FORMER DISPOSAL AREA
- GW-1 / 714.3 / 710.1 — GROUNDWATER MONITORING WELL WITH GROUNDWATER ELEVATION OBTAINED ON 10/29/96 / GROUNDWATER ELEVATION OBTAINED ON 10/16/95
- 714 — POTENTIOMETRIC CONTOUR FOR 10/29/96
- 714 — POTENTIOMETRIC CONTOUR FOR 10/16/95
- GROUNDWATER FLOW DIRECTION

NOTES:

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

PROJECT NO. 0938S-96	PROJECT TITLE: STRIPPIT, INC. AKRON, NEW YORK — GROUNDWATER MONITORING	**DAY ENVIRONMENTAL, INC.** *ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK*	DATE 3/19/97
FIGURE 4	DRAWING TITLE: POTENTIOMETRIC CONTOUR MAP FOR 10/16/95 & 10/29/96		DRAWN BY RJM
SHEET 1 OF 1			SCALE 1" = 100'

APPENDIX A

ACTS TESTING LABS, INC
REPORT & CHAIN-OF-CUSTODY DOCUMENTATION
FEBRUARY 6, 1997 SAMPLE ROUND

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

FEB 2 6 1997

February 21, 1997

ELAP ID# 10247

Technical Report #6B-00974E
Project Name: Strippit: Long Term Monitoring
Porject # 09385-96

Mr. Ray Kampff
DAY ENVIRONMENTAL, INC.
2144 Brighton-Henrietta Townline Rd
Rochester, NY 14623-2700

SUBJECT:

Analyses of seven (7) water samples received on February 6, 1997.

RESULTS:

See Pages Two through Five.

EXPERIMENTAL:

The analyses were determined according to "Standard Methods for the Examination of Water and Wastewater," 18th Edition.

"Test Methods for Evaluating Solid Waste: Physical/Chemical Methods," SW-846, 3rd Edition, September 1994.

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

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

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

cme

RESULTS:

	ACTS #7B-00974E 02067-GW-3	ACTS #7B-00975E 02067-GW-4	ACTS #7B-00976E 02067-GW-1
pH	7.63	8.08	8.55
Barium, Soluble	0.066	0.049	0.033
Barium, Total	0.083	0.083	0.041
Iron, Soluble	0.12	0.22	0.04
Iron, Total	2.37	4.52	1.00
Magnesium, Soluble	29.7	40.2	63.0
Magnesium, Total	32.9	50.9	65.6
Manganese, Soluble	0.148	0.026	0.015
Manganese, Total	0.148	0.104	0.041
Phenols	< 0.005	0.018	< 0.005
Conductivity	342	792	870

	ACTS #7B-00977E 02067-GW-2	ACTS #7B-00978E 02067-GW-5	ACTS #7B-00979E 02067-DUP
pH	11.31	10.90	8.33
Barium, Soluble	0.115	0.056	0.050
Barium, Total	0.127	0.114	0.059
Iron, Soluble	0.34	0.64	0.23
Iron, Total	0.41	8.67	1.22
Magnesium, Soluble	0.089	5.42	39.1
Magnesium, Total	0.342	18.6	41.4
Manganese, Soluble	0.008	0.016	0.035
Manganese, Total	0.009	0.218	0.047
Phenols	0.005	0.005	0.006
Conductivity	244	286	694

Results, except pH and Conductivity, are reported as milligrams per liter (mg/L).

ACTS TESTING LABS

TCL VOLATILES	ACTS #7B-00974E 02067-GW-3	ACTS #7B-00975E 02067-GW-4	ACTS #7B-00976E 02067-GW-1
Dichlorodifluoromethane	< 1.0 (< 1.0)*	< 1.0	< 1.0
Chloromethane	< 1.0 (< 1.0)*	< 1.0	< 1.0
Vinyl Chloride	< 1.0 (< 1.0)*	< 1.0	< 1.0
Bromomethane	< 1.0 (< 1.0)*	< 1.0	< 1.0
Chloroethane	< 1.0 (< 1.0)*	< 1.0	< 1.0
1,1-Dichloroethene	< 0.5 (< 0.5)*	< 0.5	< 0.5
Acetone	< 5.0 (< 5.0)*	5.0	< 5.0
Carbon Disulfide	< 0.5 (< 0.5)*	< 0.5	< 0.5
Methylene Chloride	< 5.0 (< 5.0)*	< 5.0	< 5.0
trans-1,2-Dichloroethene	< 0.5 (< 0.5)*	< 0.5	< 0.5
1,1-Dichloroethane	< 0.5 (< 0.5)*	< 0.5	< 0.5
Chloroform	< 0.5 (< 0.5)*	< 0.5	< 0.5
1,2-Dichloroethane	< 0.5 (< 0.5)*	< 0.5	< 0.5
2-Butanone	< 2.0 (< 2.0)*	< 2.0	< 2.0
1,1,1-Trichloroethane	< 0.5 (< 0.5)*	< 0.5	< 0.5
Carbon Tetrachloride	< 0.5 (< 0.5)*	< 0.5	< 0.5
Benzene	< 0.5 (< 0.5)*	< 0.5	< 0.5
Trichloroethene	< 0.5 (< 0.5)*	< 0.5	< 0.5
1,2-Dichloropropane	< 0.5 (< 0.5)*	< 0.5	< 0.5
Bromodichloromethane	< 0.5 (< 0.5)*	< 0.5	< 0.5
cis-1,3-Dichloropropene	< 0.5 (< 0.5)*	< 0.5	< 0.5
4-Methyl-2-pentanone	< 0.5 (< 0.5)*	< 0.5	< 0.5
2-Hexanone	< 2.0 (< 2.0)*	< 2.0	< 2.0
Toluene	< 0.5 (< 0.5)*	< 0.5	< 0.5
trans-1,3-Dichloropropene	< 0.5 (< 0.5)*	< 0.5	< 0.5
1,1,2-Trichloroethane	< 0.5 (< 0.5)*	< 0.5	< 0.5
Tetrachloroethene	< 0.5 (< 0.5)*	< 0.5	< 0.5
Dibromochloromethane	< 0.5 (< 0.5)*	< 0.5	< 0.5
1,2-Dibromoethane	< 0.5 (< 0.5)*	< 0.5	< 0.5
Chlorobenzene	< 0.5 (< 0.5)*	< 0.5	< 0.5
Ethylbenzene	< 0.5 (< 0.5)*	< 0.5	< 0.5
M,P-Xylenes	< 1.0 (< 1.0)*	< 1.0	< 1.0
O-Xylene	< 0.5 (< 0.5)*	< 0.5	< 0.5
Styrene	< 0.5 (< 0.5)*	< 0.5	< 0.5
Bromoform	< 1.0 (< 1.0)*	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	< 0.5 (< 0.5)*	< 0.5	< 0.5
1,2-Dibromo-3-chloropropane	< 1.0 (< 1.0)*	< 1.0	< 1.0

Results are reported as micrograms per liter (ug/L).
*=Duplicate results

TCL VOLATILES	ACTS #7B-00977E 02067-GW-2	ACTS #7B-00978E 02067-GW-5	ACTS #7B-00979E 02067-DUP
Dichlorodifluoromethane	< 1.0	< 1.0	< 1.0
Chloromethane	< 1.0	< 1.0	< 1.0
Vinyl Chloride	< 1.0	< 1.0	< 1.0
Bromomethane	< 1.0	< 1.0	< 1.0
Chloroethane	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	< 0.5	< 0.5	< 1.0
Acetone	19.0	< 5.0	< 5.0
Carbon Disulfide	< 0.5	< 0.5	< 0.5
Methylene Chloride	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene	< 0.5	< 0.5	< 0.5
1,1-Dichloroethane	0.6	< 0.5	< 0.5
Chloroform	< 0.5	< 0.5	< 0.5
1,2-Dichloroethane	< 0.5	< 0.5	< 0.5
2-Butanone	< 2.0	< 2.0	< 2.0
1,1,1-Trichloroethane	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	< 0.5	< 0.5	< 0.5
Benzene	< 0.5	< 0.5	< 0.5
Trichloroethene	< 0.5	< 0.5	< 0.5
1,2-Dichloropropane	< 0.5	< 0.5	< 0.5
Bromodichloromethane	< 0.5	< 0.5	< 0.5
cis-1,3-Dichloropropene	< 0.5	< 0.5	< 0.5
4-Methyl-2-pentanone	< 0.5	< 0.5	< 0.5
2-Hexanone	< 2.0	< 2.0	< 2.0
Toluene	0.6	< 0.5	< 0.5
trans-1,3-Dichloropropene	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane	< 0.5	< 0.5	< 0.5
Tetrachloroethene	< 0.5	< 0.5	< 0.5
Dibromochloromethane	< 0.5	< 0.5	< 0.5
1,2-Dibromoethane	< 0.5	< 0.5	< 0.5
Chlorobenzene	< 0.5	< 0.5	< 0.5
Ethylbenzene	< 0.5	< 0.5	< 0.5
M,P-Xylenes	< 1.0	< 1.0	< 1.0
O-Xylene	< 0.5	< 0.5	< 0.5
Styrene	< 0.5	< 0.5	< 0.5
Bromoform	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	< 0.5	< 0.5	< 0.5
1,2-Dibromo-3-chloropropane	< 1.0	< 1.0	< 1.0

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

TCL VOLATILES	ACTS #7B-00980E TRIP BLANK
Dichlorodifluoromethane	< 1.0
Chloromethane	< 1.0
Vinyl Chloride	< 1.0
Bromomethane	< 1.0
Chloroethane	< 1.0
1,1-Dichloroethene	< 1.0
Acetone	< 5.0
Carbon Disulfide	< 0.5
Methylene Chloride	25.0
trans-1,2-Dichloroethene	< 0.5
1,1-Dichloroethane	< 0.5
Chloroform	< 0.5
1,2-Dichloroethane	< 0.5
2-Butanone	< 2.0
1,1,1-Trichloroethane	< 0.5
Carbon Tetrachloride	< 0.5
Benzene	< 0.5
Trichloroethene	< 0.5
1,2-Dichloropropane	< 0.5
Bromodichloromethane	< 0.5
cis-1,3-Dichloropropene	< 0.5
4-Methyl-2-pentanone	< 0.5
2-Hexanone	< 2.0
Toluene	< 0.5
trans-1,3-Dichloropropene	< 0.5
1,1,2-Trichloroethane	< 0.5
Tetrachloroethene	< 0.5
Dibromochloromethane	< 0.5
1,2-Dibromoethane	< 0.5
Chlorobenzene	< 0.5
Ethylbenzene	< 0.5
M,P-Xylenes	< 1.0
O-Xylene	< 0.5
Styrene	< 0.5
Bromoform	< 1.0
1,1,2,2-Tetrachloroethane	< 0.5
1,2-Dibromo-3-chloropropane	< 1.0

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

INTERNAL CHAIN-OF-CUSTODY RECORDS
PROJECT NUMBER 09385-96
TECHNICAL REPORT NUMBER 7B-00974E
STRIPPIT LONG TERM MONITORING

Notebook No. ______

Continued From Page ______

PROJECT ______

Date	Time	Sample ID	Init	Received by
-97	9:00	7B00972E	BMH	[signature]
	9:30	7B-00765E, 7B-00900E, 7B-00905E, 7B-00906E, 7B-00902E	CTW	[signature]
		7B-00908E, 7B-00909E, 7B-00910E, 7B-00953E, 7B-00954E,		
		7B-00958E, 7B-00959E, 7B-00964E, 7B-00984E		
	10:11	7B00941M, 7B00943M, 7B00943M	LMD	L. Durtu
	10:45	7B00652E, 7B00890E, 7B00891E, ~~7B00872E~~ 7B00881E	JDS	J. Sobocinski
	1:30	7B-00889E, 7B-00890, 7B-00891	K.O	[signature]
	1:35	7B01015M	LMD	L. Durtu
	2:30	7B-00965E	LMC	L. CLERICI
	4:00	7B001015E	BMH	B. H[illegible]
-97	8:20	7B00923E, 7B00964E, 7B00990E, 7B01009E, 7B01033E,	JDS	J. Sobocinski
		7B01034E, 7B01051E, 7B01052E		
	8:55	7B-00994E, 7B-00995	K.O	[signature]
	9:10	7B00851E, 7B00853E, 7B00965E, 7B00953E, 7B00954E,	JDS	J. Sobocinski
		7B01035E, 7B01036E, 7B01037E, 7B01038E		
	10:15	7B00964, 7B00972, 7B00974, 7B00975, 7B00976, 7B00977, 7B00978	BMH	B. H[illegible]
		7B00979, 7B00994, 7B00995, 7B01002, 7B01004, 7B01006, 7B01008		
	10:30	7B-00916E, 7B-00917E, 7B-00930E, 7B-00931E, 7B-00944E	CTW	[signature]
		7B-00945E		
	11:00	7B01016E, 7B01039E, 7B01040E, 7B01041E, 7B01042E,	JDS	J. Sobocinski
		7B01043E		
	11:15	7B-00925E, 7B-01011	K.O	[signature]
	1:35	7B-01060M	LMD	L. Durtu
	1:50	7B01064M	[illegible]	[signature]
	1:50	7B01001E, 7B01005E, 7B01003E	RCT	[signature]
	2:15	7B-00988E, 7B-00928E, 7B-00926E, 7B-00927E,	DAV	D. V[illegible]
		7B-00929E, 7B-00930E, 7B-00931E, 7B-00932E, 7B-01063E		
	2:15	7B-00958E, 7B-00959E, 7B-00964E, 7B-00987E, 7B-00988E	CTW	[signature]
		7B-00989E, 7B-00984E		
	4:00	7B01068M	LAB	[signature]
-97	7:10	7B-01072M, 7B-01073M, 7B-01074M, 7B01075M, 7B01076M	LMD	Laura Durtu
	9:40	7B01079M, 7B01080M, 7B01081M	LAB	[signature]
	9:45	7B01054E, 7B01055E, 7B01069E, 7B01070E, 7B01071E	JDS	J. Sobocinski
	10:10	7B-01082M, 7B-01083M, 7B-01084M, 7B-01085M	LMD	L. Durtu

Continued on Page

Read and Understood By

Signed ______ Date ______ Signed ______ Date ______

ECT

Continued from Page

Requested by	Initial	Comments	Date	Time	Initial
		Phenol sent to Life Services	2-7-97	9 05	BMH
		TSS	2-7-97	10 30	CTW
		↓	↓	↓	↓
Edwards	CW	Login	2-7-97	10 11	LMO
		3050 Metals	2-7-97	11 50	JDS
		sem. - volat.	2-7-97	2 00	K.O.
Edwards	CW	Login	2-7-97	1 35	LMO
		MBAS			
		NH_3N	2-7-97	4 05	BMH
		Metals	2-10-97	10 30	JDS
		↓	↓	↓	↓
		625	2-10-97	9.00	K.O.
		COD	2-10-97	1 00	JDS
		↓	↓	↓	↓
		Phenols			
		O+G (depleted)	2-10-97	11 30	CTW
		↓	↓	↓	
		Phos	2-10-97	2 00	JDS
		↓	↓	↓	↓
		625	2-10-97	1130	K.O.
		Login	2-10-97	11 30	LMO
Edwards	CW	Login	2-10-97	150	[illegible]
		CN	2-10-97	2 20	PCT
		601/602 vials 1 of 2 depleted	2-10-97	3 00	DAV
		↓	↓	↓	↓
		TDS	2-10-97	3 00	CTW
		↓	↓	↓	↓
Edwards	CW	Login	2-10-97	4 00	LMO
		Login	2-11-97	7 10	CMO
Edwards	CW	Login	2-11-97	9 40	[illegible]
		Metals	2-11-97	11 30	JDS
Edwards	CW	Login	2-11-97	10 10	LMO

Continued on Page

Read and Understood By

Signed | Date | Signed | Date

Notebook No. ______

Continued From Page ______

54

PROJECT ______

Date	Time	Sample ID	Init	Received by
2-11-97	10:45	7B00994, 7B00995E, 7B00990E	PT	[signature]
	11:00	7B01078E, 7B01022E, 7B01023E, 7B01024E, 7B01025E,	JOS	J. Sobocinski
		7B01026E, 7B01027E, 7B01028E, 7B01029E	↓	↓
	1:15	7B-00994E, 7B-00995E, 7B-00100E, 7B-01033E,	CTW	[signature]
	↓	7B-01050E, 7B-01053E, 7B-01061E, 7B-01062E	↓	↓
	2:00	7B-01065E, 7B-01066E, 7B-01067E, 7B-00950E	JB	[signature]
	2:00	7B-01007E, 7B01054E, 7B01055E	PT	[signature]
	2:10	7B01087MM, 7B01088M, 7B-01089M, 7B-01090M, 7B01091M	LAB	[signature]
	↓	7B01092M, 7B01093M	↓	↓
		7B01094M, 7B01095M, 7B01096M, 7B01097M		
	2:45	7B00984E, 7B00987E, 7B00988E, 7B00989E, 7B00990E,	JOS	J. Sobocinski
	↓	7B01033E, 7B01050E, 7B01054E, 7B01059E	↓	[signature]
	4:10	7B-01101M, 7B01102M, 7B01103M, 7B01104M	LAB	[signature]
	↓	7B01105M, 7B01106M	↓	↓
2-12-97	8:55	7B-01030E, 7B-01031E, 7B-01032E	LMC	L. Cleric
	9:45	7B01107M	LAB	[signature]
	9:45	7B-00964E, 7B-00932E, 7B-00933E, 7B-00934E,	CTW	[signature]
	↓	7B-00935E, 7B-00836E	↓	↓
	10:00	7B01098E, 7B01099E, 7B01100E, 7B00774E, 7B00975E	JOS	J. Sobocinski
	10:00	7B00954E, 7B00953E, 7B00994E, 7B00995E,	JOS	J. Sobocinski
		7B01039E, 7B01040E, 7B01041E, 7B01042E, 7B01043E	↓	↓
	11:30	7B01112M, 7B01113M, 7B-01114M, 7B01115M	LMD	L. Dinter
	12:00	7B0890, 7B0891, 7B0889, 7B0994, 7B0995, 7B0925	BMH	[signature]
	12:30	7B01012, 7B1039, 7B1040, 7B1041, 7B1042, 7B1043, 7B0965	"	"
	12:35	7B01061, 7B01062, 7B01058, 7B01110	"	"
	12:50	7B-01117M, 7B-01118M	LAB	[signature]
	1:05	7B-00927E, 7B-00921E, 7B-00922E, 7B-01097E, 7B-01116E	DAV	D. [signature]
	3:30	7B01108M	LAB	[signature]
	3:25	7B-00974E, 7B-00975E, 7B-00976E, 7B-00977E,	DAV	D. [signature]
		7B-00978E, 7B-00979E, 7B-00980E	↓	↓
	3:50	7B-01061E, 7B-01062E, 7B-01120E, 7B-01124E,	CTW	[signature]
	↓	7B-01130E, 7B-01131E, 7B-01133E	↓	↓
2-13-97		7B01116E, 7B01130E, 7B01123E	JOS	J. Sobocinski
	[illegible]	7B01134M, 7B-01135M, 7B01136M	LMD	L. Dinter

Continued on Page

Read and Understood By

Signed ______ Date ______ Signed ______ Date ______

CT

Continued From Page

Requested by	Initial	Comments	Date	Time	Initial
		CN	2-11-97	11:10	[illegible]
		Metals (3050)	2-11-97	12:30	JDS
		TDS	2-11-97	2:00	[illegible]
		8270 [illegible] extraction	2/11/97		[illegible]
		CN	2-11-97	1:30	[illegible]
Edwards	[illegible]	Login	2-11-97	2:10	[illegible]
		Phos (7800987E, 78009[illegible]E, 7800985E, 7800990E) Depleted	2-11-97	5:00	JDS
Edwards	[illegible]	Login	2-11-97	4:10	[illegible]
		TCLP			
Edwards	[illegible]	Login	2-12-97	9:45	[illegible]
		O&G (depleted)	2-12-97	10:20	[illegible]
		Metals	2-12-97	11:30	JDS
		COD	2-12-97	2:00	JDS
Edwards	[illegible]	Login	2-12-97	1:30	[illegible]
		Hg	2-12-97	12:30	BMH
		TKN	2-12-97	12:45	BMH
		NH_3N	2-12-97	1:00	BMH
		Log in	2-12-97	12:50	[illegible]
		[illegible] vials 1 of 2 depleted	2-12-97	2:30	DAV
Edwards	[illegible]	Login	2-12-97	3:[illegible]	[illegible]
		8240 vials 1 of 2 depleted	2-12-97	4:00	DAV
		BOD (7B-01120G depleted)	2-12-97	5:00	[illegible]
		Metals, Flash pt - 1114E	2-13-97	10:30	JDS
Edwards	[illegible]	Login	2-13-97	9:4[illegible]	[illegible]

Continued on Page

Read and Understood By

Signed ____ Date ____ Signed ____ Date ____

CHAIN-OF-CUSTODY RECORDS
PROJECT NUMBER 09385-96
TECHNICAL REPORT NUMBER 7B-00974E
STRIPPIT LONG TERM MONITORING

ACTS TESTING LABS

Page ___ of ___

CHAIN OF CUSTODY RECORD

(Instructions on Reverse)

Company Name: Day Environmental
Address:
Report Recipient: Ray Kampff
Phone #: 292-1090
Project Name: Stippat Long Term Monitoring
Fax #: 292-0425
Project #: 09385-96
Samplers: (Signature) R Kampff

Remarks: Test all Samples for pH and Specific conductance in addition to parameters listed

Preservation: Ice | Ice | HNO3 | H2SO4 |

DATE	TIME	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	MATRIX	ACTS # (for Lab use only)	SAMPLE ID	# of containers	TAT	Test Requested/Analysis: TCL 8240	Soluble Ba, Fe, Mn	Total Ba, Fe, Mn	Phenols	pH	
2/6/96	1150		X	GW	7B00974E	02067-GW-3	5		X	X	X	X	X	
	1220		X		7B00975E	02067-GW-4			X	X	X	X	X	
	1305		X		7B00976E	02067-GW-1			X	X	X	X	X	
	1330		X		7B00977E	02067-GW-2			X	X	X	X	X	
	1355		X		7B00978E	02067-GW-5			X	X	X	X	X	
	—				7B00979E	02067-DUP			X	X	X	X	X	
					7B00980E	Trip Blank	2		X					

Relinquished By: (Signature) R Kampff
Date/Time: 2/6/97 14:45
Received By: (Signature)
Relinquished By: (Signature)

Date/Time: 3:00 pm 2-6-97
Received at Laboratory By: (Signature) Cindy Edmond

ACTS Testing Labs, Inc.
Attn: Sample Custodian
3916 Broadway Buffalo, NY 14227
ph: 716-684-3300 fax: 716-684-3303

Quote #:
PO #:

Distribution: White - Report
Yellow - Laboratory
Pink - Client/Field Technician

SAMPLE RECEIPT CHECKLIST
PROJECT NUMBER 09385-96
STRIPPIT LONG TERM MONITORING

ACTS TESTING LABS

CHEMISTRY LABORATORY SAMPLE RECEIPT CHECKLIST

Client: Day Date: 2-6-97

Contact: _____ Phone: _____

Address: _____ Fax: _____

Checked By: CM

Sample Group Number: 7B-0974E, 7B0975E, 7B0976E, 7B0977E, 7B0978E, 7B0979E, 7B0980E

1. Air Bill Sticker/No. always absent unless otherwise noted.
2. Shipping container condition intact unless otherwise noted.
3. Sample custody seals absent unless otherwise noted.
4. Sample Labels — Present/Absent
5. Chain of Custody Records — Present/Absent
6. Sample Condition — Intact/Broken/Leaking
7. Does information on the Chain of Custody correspond with Sample Labels — Yes/No
8. Does information on the Chain of Custody correspond with Login Sheet — Yes/No
9. Sample properly preserved — Yes/No

_____	Sulfite NaOH + Zinc Acetate		
_____	Metals with HNO_3	_____	Phenols with H_2SO_4
_____	Metals with Optima HNO_3	_____	Oil & Grease with H_2SO_4
_____	Cyanide with NaOH + Ascorbic Acid	_____	TPO_4 with H_2SO_4
_____	COD with H_2SO_4	_____	Ammonia, TKN with H_2SO_4

10. Irregularity — Sample Number: _____ Discrepancy: _____

Sample Number: _____ Discrepancy: _____

11. Date Contacted: _____
12. Corrective Action Taken: _____

Signed: _____

QC-CL-004
(5/95)

APPENDIX B

MONITORING WELL SAMPLE LOGS
JANUARY 22, 1996 SAMPLE ROUND

DAY ENGINEERING
MONITORING WELL SAMPLING LOG

GW-1

SECTION 1

SITE LOCATION: Stripper, Inc./Akron, N.Y. JOB #: 02385-96

PROJECT NAME: IRM Post-Closure Monitoring DATE: 2/6/97

SAMPLE COLLECTOR(S): R. Kampff

WEATHER CONDITIONS: Overcast 20°F

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 58.5 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL(SWL) [FT]: 39.3 (MEASURED FROM T.O.C.)

DEPTH OF WATER COLUMN [FT]: 19.2 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 3.1

CALCULATIONS:

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

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

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

ACTUAL VOLUME PURGED [GAL]: 8 gallons (DRY)

PURGE METHOD: Bailer PURGE START: 1030 END: 1059

SECTION 3 - SAMPLE IDENTIFICATION

SAMPLE ID #	TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)	SAMPLE APPEARANCE
02067-GW1	1305	Bailer	see COC	

SECTION 4 - SAMPLE DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (uMHOS/CM)	TURBIDITY (NTU)	VISUAL	PID/FID READING
53.3				30±	cloudy	

FILE:WELLS4.1

DAY ENGINEERING
MONITORING WELL SAMPLING LOG

GW-2

SECTION 1

SITE LOCATION: Strippit, Inc./Akron, N.Y. JOB #: 09385-96

PROJECT NAME: IRM Post-Closure Monitoring DATE: 2/6/97

SAMPLE COLLECTOR(S): R. Kampff

WEATHER CONDITIONS: Overcast 20°F

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 78.6 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL(SWL) [FT]: 49.4 (MEASURED FROM T.O.C.)

DEPTH OF WATER COLUMN [FT]: 29.2 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 4.8

CALCULATIONS:

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

CALCULATIONS

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

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

ACTUAL VOLUME PURGED [GAL]: 6 gallons (dry)

PURGE METHOD: Bailer PURGE START: 0840 END: 0907

SECTION 3 - SAMPLE IDENTIFICATION

SAMPLE ID #	TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)	SAMPLE APPEARANCE
02067-GW2	1330	Bailer	See COC	

SECTION 4 - SAMPLE DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (uMHOS/CM)	TURBIDITY (NTU)	VISUAL	PID/FID READING
69.8				74.0	Cloudy	

FILE: RDLSAM

GW-3

DAY ENGINEERING
MONITORING WELL SAMPLING LOG

SECTION 1

SITE LOCATION: Strippit, Inc./ Akron, N.Y. JOB #: 09385-96

PROJECT NAME: IRM Post-Closure Monitoring DATE: 2/6/97

SAMPLE COLLECTOR(S): R. Kampff

WEATHER CONDITIONS: Overcast 20°F

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 51.7 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL(SWL) [FT]: 32.3 (MEASURED FROM T.O.C.)

DEPTH OF WATER COLUMN [FT]: 19.4 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 3.2

CALCULATIONS:

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

CALCULATIONS

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

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

ACTUAL VOLUME PURGED [GAL]: 9 gallons

PURGE METHOD: Bailer PURGE START: 1105 END: 1129

SECTION 3 - SAMPLE IDENTIFICATION

SAMPLE ID #	TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)	SAMPLE APPEARANCE
0267-GW3	1150	Bailer	See COC	

SECTION 4 - SAMPLE DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (uMHOS/CM)	TURBIDITY (NTU)	VISUAL	PID/FID READING
32.9				47.4	Clear	

FILE:WELLSAM1

DAY ENGINEERING
MONITORING WELL SAMPLING LOG

GW-4/DUP

SECTION 1

SITE LOCATION: Strippit, Inc./Akron, New York JOB #: 09385-96

PROJECT NAME: IRM Post-Closure Monitoring DATE: 2/6/97

SAMPLE COLLECTOR(S): R. Kampff

WEATHER CONDITIONS: Overcast 20°F

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 51.8 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL(SWL) [FT]: 36.1 (MEASURED FROM T.O.C.)

DEPTH OF WATER COLUMN [FT]: 15.7 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 2.6

CALCULATIONS:

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

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

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

ACTUAL VOLUME PURGED [GAL]: 8 gallons

PURGE METHOD: Bailer PURGE START: 0944 END: 1010

SECTION 3 - SAMPLE IDENTIFICATION

SAMPLE ID #	TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)	SAMPLE APPEARANCE
02067-GW4 02067-DUP	1220	Bailer	See COC	Slight sheen

SECTION 4 - SAMPLE DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (uMHOS/CM)	TURBIDITY (NTU)	VISUAL	PID/FID READING
37.2				115.6	Cloudy	

FILE:WELLSAM

GW-5

DAY ENGINEERING
MONITORING WELL SAMPLING LOG

SECTION 1

SITE LOCATION: Strippit, Inc. / Akron, New York JOB #: 09385-96

PROJECT NAME: IRM Post-Closure Monitoring DATE: 2/6/97

SAMPLE COLLECTOR(S): R. Kampff

WEATHER CONDITIONS: Overcast 20°F

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 74.7 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 650.25 (MEASURED FROM T.O.C.)

DEPTH OF WATER COLUMN [FT]: 24.45 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 4

CALCULATIONS:

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

CALCULATIONS

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

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

ACTUAL VOLUME PURGED [GAL]: 5.2 gallons (DRY)

PURGE METHOD: Bailer PURGE START: 910 END: 0939

SECTION 3 - SAMPLE IDENTIFICATION

SAMPLE ID #	TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)	SAMPLE APPEARANCE
02067-GW5	1355	Bailer	See COC	

SECTION 4 - SAMPLE DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (uMHOS/CM)	TURBIDITY (NTU)	VISUAL	PID/FID READING
65.95				Cloudy 49.5 →		

FILE: WELLSAM

DAY ENGINEERING
MONITORING WELL SAMPLING LOG

SECTION 1

SITE LOCATION: _____ JOB #: _____

PROJECT NAME: _____ DATE : _____

SAMPLE COLLECTOR(S): _____

WEATHER CONDITIONS: _____

SECTION 2 - PURGE INFORMATION

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

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

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

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

CALCULATIONS:

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

CALCULATIONS

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

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

ACTUAL VOLUME PURGED [GAL]: _____

PURGE METHOD: _____ PURGE START: _____ END: _____

SECTION 3 - SAMPLE IDENTIFICATION

SAMPLE ID #	TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)	SAMPLE APPEARANCE

SECTION 4 - SAMPLE DATA

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

FILE:WELLSAM

APPENDIX C

SUMMARY OF DETECTED PARAMETERS, MEAN CONCENTRATIONS AND STANDARD DEVIATIONS

STRIPPIT, INC.
INTERIM REMEDIAL MEASURE
POST-CLOSURE MONITORING

Monitoring Well: GW-1

SUMMARY OF DETECTED GROUNDWATER PARAMETERS
QUARTERLY SAMPLING: 4/95 TO 2/97

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	Mean	Standard Deviation
pH	Standard	7.35	8.76	8.63	9.07	8.87	8.04	8.31	8.55	8.45	0.56
specific conductance	uMHOS/cm	1,400	1,170	751	889	1,297	862	1,179	870	1,052	223
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	0.055	0.025
barium, total	mg/L	0.079	0.123	0.07	0.13	0.054	0.04	0.055 / 0.060	0.041	0.072	0.031
iron, soluble	mg/L	LT 0.03	0.36	0.13	8.24	0.15	LT 0.03	1.07 / 1.06	0.04	1.23	2.51
iron, total	mg/L	1.46	6.82	2.53	8.34	0.15	0.17	2.83 / 3.09	1.00	2.93	2.7
magnesium, soluble	mg/L	50.8	44.6	47.5	66.8	62.9	68.6	58.1 / 56.6	63.0	57.6	8.04
magnesium, total	mg/L	54.0	52.0	56.8	68.8	62.9	71.2	65.1 / 64.5	65.6	62.3	6.2
manganese, soluble	mg/L	LT 0.005	0.026	0.01	0.23	0.039	0.021	0.042 / 0.038	0.015	0.047	0.066
manganese, total	mg/L	0.038	0.171	0.08	0.24	0.039	0.024	0.080 / 0.091	0.041	0.089	0.068
total phenols	mg/l	-	-	-	-	LT 0.005	LT 0.005	LT 0.005	LT 0.005	0.005	0
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	0.75	0.25
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	0.75	0.25
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	0.75	0.25
acetone	ug/L	26*	5.0	34.0 B	6.0	71.0 B	LT 5.0B	LT 5.0B	LT 5.0	19.6	22.2
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	0.5	0
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	0.5	0
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	0.5	0
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	0.7	0.3
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	0.5

TEST PARAMETER	UNITS	SAMPLE ROUND								Mean	Standard Deviation
		4/11/95	7/12/95	10/16/95	1/22/96	5/8/96	8/6/96	10/29/96	2/6/97		
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	0.55	0.13
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	0.5	0
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	0.5	0
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	0.5	0
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	0.51	0.03
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	0.5	0
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	12.6	10
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	1.0	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	0.5	0
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	-	-

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 compouds 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.

STRIPPIT, INC.
INTERIM REMEDIAL MEASURE
POST-CLOSURE MONITORING

Monitoring Well: GW-2

SUMMARY OF DETECTED GROUNDWATER PARAMETERS
QUARTERLY SAMPLING: 4/95 TO 2/97

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	Mean	Standard Deviation
pH	Standard	7.23	11.58	11.71	12.23	11.55	11.33	11.29	11.31	11.03	1.46
specific conductance	uMHOS/cm	1,870	1,170	695	771	1,239	1,050	827	244	983	446
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	0.112 / 0.117	0.115	0.146	0.035
barium, total	mg/L	0.210	0.211	0.21	0.18	0.118	0.130	0.145 / 0.132	0.127	0.162	0.037
iron, soluble	mg/L	LT 0.03	0.15	0.007	0.43	0.09	LT 0.03	0.082 / 0.117	0.34	0.13	0.14
iron, total	mg/L	0.25	0.49	1.44	1.26	0.09	0.18	0.256 / 0.264	0.41	0.52	0.46
magnesium, soluble	mg/L	LT 0.05	0.14	0.23	1.01	0.47	0.95	0.90 / 0.92	0.089	0.53	0.39
magnesium, total	mg/L	1.03	0.36	0.91	1.36	0.47	2.51	2.95 / 2.64	0.342	1.4	0.98
manganese, soluble	mg/L	LT 0.005	0.053	LT 0.005	0.03	LT 0.005	LT 0.005	LT 0.005 / LT 0.005	0.008	0.013	0.016
manganese, total	mg/L	0.006	0.150	0.02	0.04	LT 0.005	LT 0.005	0.029 / 0.027	0.009	0.032	0.043
total phenols	mg/l	-	-	-	-	LT 0.05	0.020	0.008	0.005	0.0095	0.006
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	0.75	0.25
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	0.75	0.25
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	0.75	0.25
acetone	ug/L	31*	33	63.0 B	24.0	100 B	21.0 B	47.0 B	19.0	42.2	25.8
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	0.5	0
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	0.5	0
1,1-dichloroethane	ug/L	0.6*	LT 0.5	0.7	LT 0.5	0.5	LT 0.5	0.7	0.6	0.57	0.08
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	0.7	0.5

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	Mean	Standard Deviation
2-butanone	ug/L	3.0*	6.0*	LT 0.5	2.0	4.0	LT 1.0	LT 1.0	LT 2.0	2.4	1.7
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	0.55	0.07
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	0.5	0
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	0.51	0.03
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	0.5	0
toluene	ug/L	0.7*	LT 0.5	0.9	0.6	0.8	1.0	0.9	0.6	0.75	0.17
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	0.5	0
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	11.9	10.8
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	1.0	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	0.5	0
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	-	-

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 compouds 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.

STRIPPIT, INC.
INTERIM REMEDIAL MEASURE
POST CLOSURE MONITORING

Monitoring Well: GW-3

SUMMARY OF DETECTED GROUNDWATER PARAMETERS
QUARTERLY SAMPLING: 4/95 TO 2/97

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	Mean	Standard Deviation
pH	Standard	6.82	8.01	8.01	8.44 8.39	8.42	7.85	7.53	7.63	7.89	0.49
specific conductance	uMHOS/cm	2,010	568	502	475	614	623	585	342	761	538
turbidity	NTU	26.0	26.8	191	-	70.7	5.12	150.3	47.4	-	-
barium, soluble	mg/L	0.056	0.003 0.061	0.04 0.06	0.09 0.08	0.072 0.078	0.065	0.067 0.080	0.066	0.063	0.021
barium, total	mg/L	0.065	0.094 0.252	0.17 0.16	0.09 0.09	0.078 0.078	0.086	0.076 0.080	0.083	0.108	0.052
iron, soluble	mg/L	LT 0.03	0.11 0.09	0.09 0.10	3.33 2.71	1.59 2.46	0.05	1.47 2.00	0.12	1.09	1.17
iron, total	mg/L	1.56	3.45 9.97	15.5 11.6	4.35 3.83	6.00 2.46	1.30	2.11 1.89	2.37	5.11	4.3
magnesium, soluble	mg/L	27.7	30.3 28.4	31.5 27.8	33.7 30.2	28.8 32.5	27.9	27.5 29.4	29.7	29.6	1.9
magnesium, total	mg/L	28.3	37.4 100	83.1 62.0	34.5 30.4	29.4 32.5	32.7	3.09 30.8	32.9	43.5	22.3
manganese, soluble	mg/L	0.078	0.141 0.134	0.02 0.13	0.20 0.13	0.119 0.144	0.124	0.104 0.121	0.148	0.123	0.043
manganese, total	mg/L	0.120	0.251 0.660	0.77 0.55	0.22 0.20	0.140 0.144	0.141	0.129 0.127	0.148	0.277	0.217
total phenols	mg/l					LT 0.005 LT 0.005	0.14	LT 0.005 LT 0.005	LT 0.005	0.027	0.05
dichlorodifluoromethane	ug/L	2.4*	LT 0.5 LT 0.5	LT 0.5 LT 0.5	LT 0.5 LT 0.5	LT 1.0 LT 1.0	LT 1.0	LT 1.0 LT 1.0	LT 1.0	0.9	0.5

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	Mean	Standard Deviation
chloromethane	ug/L	1.5*	LT 0.5 LT 0.5	LT 0.5 LT 0.5	LT 0.5 LT 0.5	LT 1.0 LT 1.0	LT 1.0	LT 1.0 LT 1.0	LT 1.0	0.8	0.3
vinyl chloride	ug/L	2.3*	LT 0.5* LT 0.5*	LT 0.5 LT 0.5	LT 0.5 LT 0.5	LT 1.0 LT 1.0	LT 1.0	LT 1.0 LT 1.0	LT 1.0	0.09	0.5
acetone	ug/L	16*	11.0 10.0	20.0 B 17.0 B	LT 5.0 B 6.0 B	100 B 80.0 B	LT 5.0 B	LT 5.0 B LT 5.0 B	LT 5.0	20.1	26.3
carbon disulfide	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 LT 0.5	3.0	LT 0.5 LT 0.5	LT 0.5	0.8	0.7
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 LT 0.5	LT 0.5	LT 0.5 LT 0.5	LT 0.5	0.52	0.08
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 LT 0.5	LT 0.5	LT 0.5 LT 0.5	LT 0.5	0.52	0.08
chloroform	ug/L	0.7*	LT 1.0 2.0	1.0 B 2.0	LT 0.5 LT 0.5	LT 0.5 B 0.9 B	3.0 B	LT 0.5 LT 0.5	LT 0.5	1.1	0.8
2-butanone	ug/L	LT 1.0	3.0* 12.0	LT 0.5 1.0	LT 0.5 0.6	LT 0.5 LT 1.0	LT 1.0	LT 1.0 LT 1.0	LT 2.0	1.9	3.0
1,1,1-trichloroethane	ug/L	1.8*	LT 0.5 LT 0.5	LT 0.5 LT 0.5	LT 0.5 LT 0.5	LT 0.5 LT 0.5	LT 0.5	LT 0.5 LT 0.5	LT 0.5	0.6	0.35
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 LT 0.5	LT 0.5	LT 0.5 LT 0.5	LT 0.5	0.6	0.33
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 LT 0.5	LT 0.5	LT 0.5 LT 0.5	LT 0.5	0.5	0
trichloroethene	ug/L	0.8*	LT 0.5 LT 0.5	LT 0.5 LT 0.5	LT 0.5 LT 0.5	LT 0.5 LT 0.5	LT 0.5	LT 0.5 LT 0.5	LT 0.5	0.52	0.08
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 LT 0.5	LT 0.5	LT 0.5 LT 0.5	LT 0.5	0.52	0.08
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 LT 0.5	LT 0.5	LT 0.5 LT 0.5	LT 0.5	0.52	0.008
methylene chloride	ug/L	6.3 B	LT 5.0 LT 5.0	23.0 B 8.0 B	5.0 6.0	47.0 B 28.0 B	10.0 B	LT 5.0 B LT 5.0 B	LT 5.0 B	12.2	12.4

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	Mean	Standard Deviation
m,p-xylenes	ug/l	LT 1.0	3.0 LT 1.0	LT 1.0 LT 1.0	LT 1.0 LT 1.0	LT 1.0 LT 1.0	LT 1.0	LT 1.0 LT 1.0	LT 1.0	2	2.8
o-xylenes	ug/l	LT 0.5	1.0 LT 0.5	LT 0.5 LT 0.5	LT 0.5 LT 0.5	LT 0.5 LT 0.5	LT 0.5	LT 0.5 LT 0.5	LT 0.5	0.54	0.14
phenol	ug/l	LT 1.0	LT 1.0 LT 1.0	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	-	-

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.

STRIPPIT, INC.
INTERIM REMEDIAL MEASURE
POST CLOSURE MONITORING

Monitoring Well: GW-4

SUMMARY OF DETECTED GROUNDWATER PARAMETERS
QUARTERLY SAMPLING: 4/95 TO 2/97

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	Mean	Standard Deviation
pH	Standard	7.06	8.31	8.34	9.07	8.03	8.01	7.47	8.08 8.33	7.97	0.59
specific conductance	uMHOS/cm	1,990	935	628	626	1,118	1,141	1,094	792 694	1,030	426
turbidity	NTU	200+	200+	106.7	-	42.7	105.4	46.7	115.6	-	-
barium, soluble	mg/L	0.038 0.052	0.058	0.07	0.11	0.044	0.043 0.039	0.05	0.049 0.050	0.055	0.019
barium, total	mg/L	0.101 0.175	0.099	0.12	0.13	0.044	0.046 0.042	0.054	0.083 0.059	0.087	0.041
iron, soluble	mg/L	LT 0.03 LT 0.03	1.00	0.37	8.32	1.0	0.03 0.03	1.94	0.22 0.23	1.2	2.32
iron, total	mg/L	7.93 16.1	6.72	11.9	9.85	1.0	0.42 0.43	2.14	4.52 1.22	6.1	5.1
magnesium, soluble	mg/L	53.1 47.0	36.7	30.2	47.9	39.7	39.5 35.5	44.3	40.2 39.1	41.2	6.1
magnesium, total	mg/L	68.5 87.3	48.3	66.0	49.4	39.7	40.1 37.6	49.1	50.9 41.4	52.6	14.6
manganese, soluble	mg/L	LT 0.005 LT 0.005	0.029	0.15	0.20	0.022	0.016 0.015	0.062	0.026 0.035	0.05	0.061
manganese, total	mg/L	0.21 0.43	0.162	0.32	0.24	0.022	0.025 0.018	0.086	0.104 0.047	0.151	0.13
total phenols	mg/l					LT 0.005	LT 0.005 LT 0.005	LT 0.005	0.018 0.006	0.007	0.005
dichlorodifluoromethane	ug/L	LT 0.5 LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 1.0	LT 1.0 LT 1.0	LT 1.0	LT 1.0 LT 1.0	0.75	0.25

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	Mean	Standard Deviation
chloromethane	ug/L	LT 0.5 LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 1.0	LT 1.0 LT 1.0	LT 1.0	LT 1.0 LT 1.0	0.75	0.25
vinyl chloride	ug/L	LT 0.5 LT 0.5	LT 0.5*	LT 0.5	LT 0.5	LT 1.0	LT 1.0 LT 1.0	LT 1.0	LT 1.0 LT 1.0	0.75	0.25
acetone	ug/L	13* 11*	LT 5.0	29.0 B	14.0	38.0 B	LT 5.0 LT 5.0	LT 5.0 B	5.0 LT 5.0	12.3	10.7
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	LT 0.5	LT 0.5 LT 0.5	0.5	0
trans-1,2-dichloroethene	ug/L	LT 0.5 LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5 LT 0.5	LT 0.5	LT 0.5 LT 0.5	0.5	0
1,1-dichloroethane	ug/L	LT 0.5 LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5 LT 0.5	LT 0.5	LT 0.5 LT 0.5	0.5	0
chloroform	ug/L	LT 0.5 LT 0.5	1.6	1.0 B	0.8	LT 0.5	LT 0.5 B 0.6 B	LT 0.5	LT 0.5 LT 0.5	0.7	0.3
2-butanone	ug/L	LT 1.0 LT 1.0	LT 1.0	LT 0.5	1.0	LT 1.0	LT 1.0 LT 1.0	LT 1.0	LT 2.0 LT 2.0	1.1	0.4
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	LT 0.5	LT 0.5 LT 0.5	0.5	0
carbon tetrachloride	ug/L	LT 0.5 LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5 LT 0.5	LT 0.5	LT 0.5 LT 0.5	0.5	0
benzene	ug/L	LT 0.5 LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5 LT 0.5	LT 0.5	LT 0.5 LT 0.5	0.5	0
trichloroethene	ug/L	LT 0.5 LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5 LT 0.5	LT 0.5	LT 0.5 LT 0.5	0.5	0
toluene	ug/L	LT 0.5 LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5 LT 0.5	LT 0.5	LT 0.5 LT 0.5	0.5	0
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	LT 0.5	LT 0.5 LT 0.5	0.5	0
methylene chloride	ug/L	2.7 B 2.5 B	LT 5.0	18.0 B	10	36.0 B	7.0 B LT 5.0 B	LT 5.0 B	LT 5.0 B LT 5.0 B	9.2	9.4

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	Mean	Standard Deviation
m,p-xylenes	ug/l	LT 1.0 LT 1.0	2.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0 LT 1.0	LT 1.0	LT 1.0 LT 1.0	1.1	0.3
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	LT 0.5	LT 0.5 LT 0.5	0.5	0
phenol	ug/l	LT 1.0 LT 1.0	LT 1.0	LT 1.0	LT 1.0	-	-	-	-	-	-
groundwater elevation	feet	715.06	712.56	711.13	713.69	716.70	715.75	715.36	716.14	-	-

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.

STRIPPIT, INC.
INTERIM REMEDIAL MEASURE
POST CLOSURE MONITORING

Monitoring Well: GW-5

SUMMARY OF DETECTED GROUNDWATER PARAMETERS
QUARTERLY SAMPLING: 4/95 TO 2/97

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	Mean	Standard Deviation
pH	Standard	6.99	10.88	10.97	11.54	10.93	10.87	10.39	10.90	10.43*	1.33
specific conductance	uMHOS/cm	2,090	735	506	641	831	816	737	286	830	505
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	0.126	0.141
barium, total	mg/L	0.172	0.600	0.18	0.23	0.053	0.055	0.090	0.114	0.187	0.167
iron, soluble	mg/L	LT 0.03	0.09	0.34	24.8	0.48	LT 0.03	0.99	0.64	3.42	8.14
iron, total	mg/L	23.0	1.73	24.7	34.3	0.51	0.28	1.33	8.67	11.82	12.64
magnesium, soluble	mg/L	16.5	4.32	3.68	33.5	2.40	1.33	1.96	5.42	8.64	10.43
magnesium, total	mg/L	32.2	9.71	32.8	42.5	2.53	2.49	3.05	18.6	17.98	14.97
manganese, soluble	mg/L	LT 0.005	LT 0.005	0.01	0.57	0.011	LT 0.005	0.014	0.016	0.079	0.185
manganese, total	mg/L	0.485	0.038	0.62	0.76	0.011	0.008	0.03	0.218	0.271	0.287
total phenols	mg/l	-	-	-	-	LT 0.005	LT 0.005	LT 0.005	0.005	0.005	0
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	0.75	0.25
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	0.75	0.25
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	0.75	0.25
acetone	ug/L	33*	29	43.0 B	8.0	57.0 B	7.0 B	9.0 B	LT 5.0	23.9	18.3
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	0.5	0
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	0.5	0
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	0.5	0
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	0.8	0.5

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	Mean	Standard Deviation
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	0.4
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	0.6	0.3
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	0.5	0
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	0.5	0
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	0.5	0
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	0.5	0
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	0.51	0.03
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 5.0 B	10.8	7.9
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	1.0	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	0.5	0
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	-	-

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.

APPENDIX D

SITE INSPECTION REPORT
JANUARY 22, 1996 SAMPLE ROUND

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

Date of Inspection: February 6, 1997

Inspected By: Raymond L. Kampff

Summary of Observation:
General Condition of Cover: 3-6+ inches of snow cover at time of inspection, no areas of concern noted.

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

Explain: _____

Evidence of cracking: ☐ Yes ☒ No

Explain (include measurements and site sketch): snow cover obscured a complete view of cap

Evidence of water seepage: ☐ Yes ☒ No

Explain: _____

Evidence of Settlement: ☐ Yes ☒ No

Explain: _____

Condition of monitoring wells and gas wells: No problems noted, surface seals appeared to be intact, all locks were replaced during this sample round.

Condition of Vegetative Cover: N/A

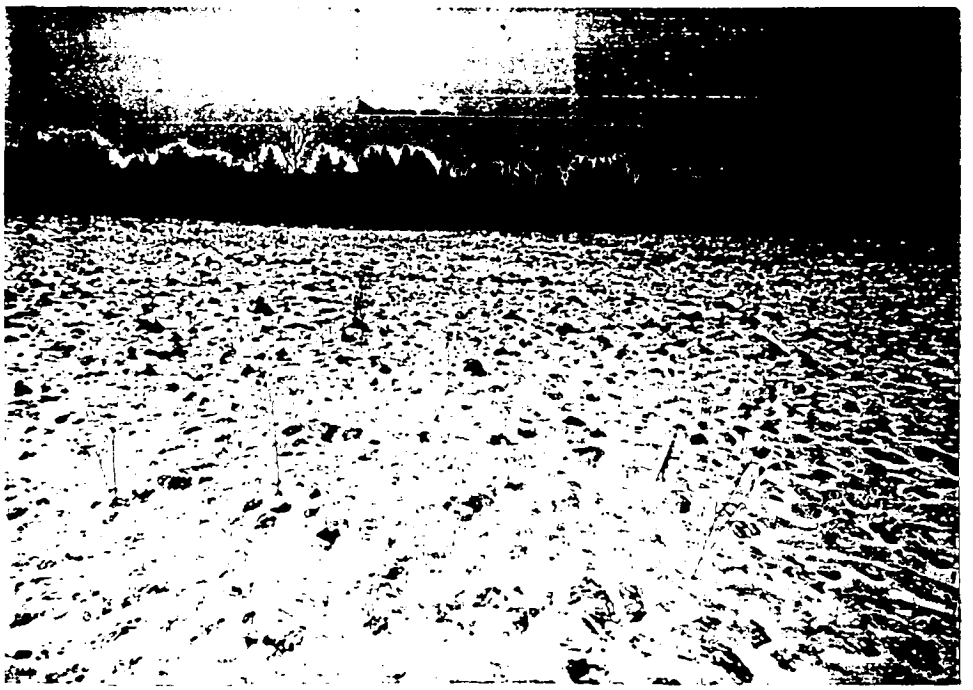
Condition of drainage ways (discuss amount of water/sediments present, vegetative growth, unusual staining, blockage, etc.) No problems observed.

Additional Comments:

Action Item(s) Required: Cleaned of drainage and settling basin in spring recommended.

Action Item(s) completed since last inspection: N/A

Signatures: Raymond L. Kimball

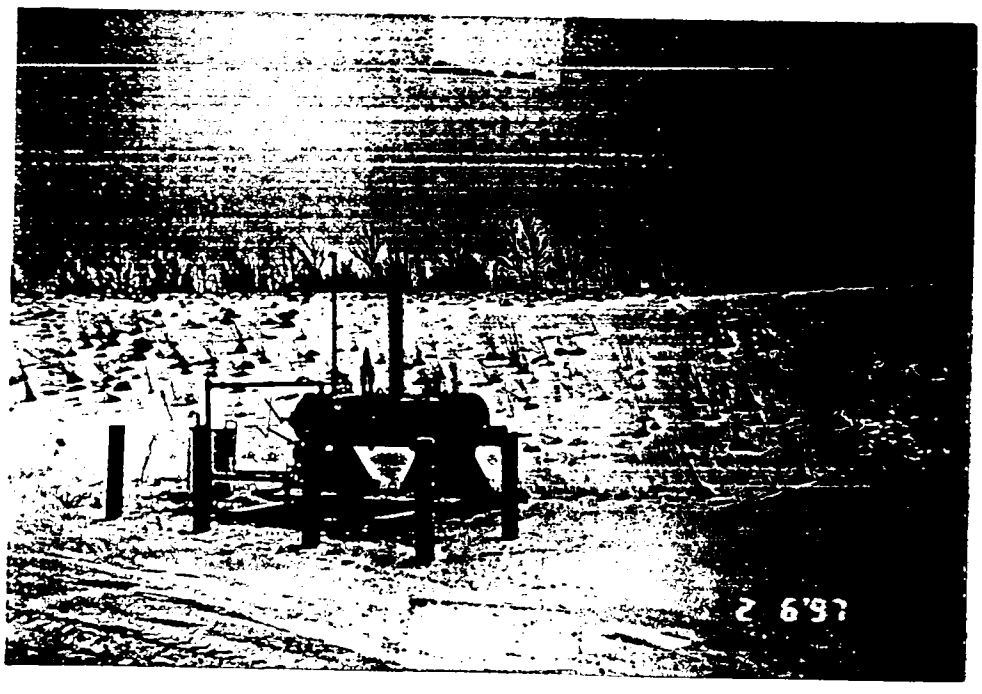


View looking north at top of cap.

View looking north at eastern side of cap; well casing for GW-2 in foreground and GW-5 in background.

0938S-96

View looking south towards monitoring well GW-1
at western slope of cap.



View looking south at northern cap; gas well
condenser in foreground.