

**POST-CLOSURE MONITORING AND
MAINTENANCE PLAN
INTERIM REMEDIAL MEASURE**

**STRIPPIT, INC.
AKRON, NEW YORK**

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Date: February, 1995

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1.0 INTRODUCTION

Strippit, Inc., a Unit of IDEX Corporation (Strippit), has implemented an Interim Remedial Measure (IRM) approved by the New York State Department of Environmental Conservation (NYSDEC) at a former disposal area (Site) located south of their 12975 Clarence Center Road, Akron, New York facility (see Locus Plan, Figure 1). This IRM included the construction of a final cover system consisting of a 40-mil HPDE geomembrane and associated soil/topsoil cover over the disposal area. The cover system is graded such that precipitation flows to a surrounding drainage trench which transmits surface water away from the Site.

This document presents the post-closure monitoring and maintenance plan for the Site. The intent of this plan is to outline procedures to monitor groundwater quality in the vicinity of the Site during the post-closure period. Additionally, procedures to monitor and maintain the integrity of the cover system, monitoring well network and the associated surface water drainage system are presented herein.

1.1 Site History

The approximately 2.3-acre former disposal area is located in the southwest corner of the Strippit property (see Figure 2, Site Plan). Available historic information indicates that this disposal area was used from approximately 1940 to 1975 to dispose of waste materials generated at the Strippit facility or its predecessors.

To date, various studies have been completed to characterize conditions at and around the former disposal area. These studies determined that the fill within the disposal area consists of a heterogeneous mixture of clayey silts, sand, gravel, cobbles, isolated pockets of grinding fines, metal pieces, slag, wood debris, brick fragments, concrete fragments, rusted and broken 55-gallon drums and electrical wiring. Underlying the fill material, the native soils consist of lacustrine silts and sands with varying amounts of gravel and clay. The uppermost water bearing zone was encountered at a depth of 50 to 55 feet beneath the fill. Based upon measurements made in monitoring wells sealed within this zone, groundwater flow is from the south to the northwest.

1.2 Previous Studies

Reports discussing conditions at the Site and the remedial activities completed to date are summarized in Section 6.00 of this submittal.

2.0 GROUNDWATER MONITORING

Five (5) existing monitoring wells are located in the vicinity of the former disposal area (see Site Plan, Figure 2). Two (2) of these wells, GW-2 and GW-5, are located upgradient of the Site and the remaining wells, GW-1, GW-3 and GW-4, are located downgradient of the Site. Copies of the boring logs and well installation diagrams for each of these wells are included in Appendix A of this submittal. Post-closure monitoring will include the sampling and testing of these wells for a period of thirty (30) years or less if deemed appropriate. Specific aspects of this monitoring are discussed in subsequent sections of this document.

2.1 Previous Testing

Two (2) groundwater sampling rounds (June 1990 and February 1993) have been completed for monitoring wells GW-1, GW-2, GW-3 and GW-4. One (1) groundwater sampling round (February 1993) has been completed for GW-5. The June, 1990 sampling round included testing for Target Compound List (TCL) organic compounds (volatile, semi-volatile pesticides and PCBs), and Target Analyte List (TAL) metals and cyanide. The February, 1993 sample round included testing for TCL volatile organics, TCL semi-volatile organics, cyanide and selected total and soluble metals (i.e., aluminum, barium, cobalt, iron, magnesium, manganese, vanadium and zinc).

Parameters for which detectable concentrations were measured during the June 1990 and February 1993 sample rounds are summarized on the tables included on the following pages. Table I-3 is a reprint of a table included in the Phase II Investigation Report prepared by Engineering-Science ("Engineering Investigations at Inactive Hazardous Waste Sites, Phase II Investigations, Houdaille-Industries-Strippit Division, Village of Akron, Site No. 915053, Erie County; March 1991). [Note: GW-5 was not installed until February 1991, and thus it is not included on Table I-3.] Table 2 is a reprint from a July 1993 report by Day Engineering, P.C. entitled "Field Investigation Report, Strippit, Inc., Akron, New York, DEC Site No. 915053".

2.2 Post-Closure Test Parameters

Based upon the results of the previous testing and the nature of the materials within the disposal area (i.e., predominately soil fill with intermixed construction and demolition debris with lesser amounts of industrial waste), site specific test parameters will be monitored. These parameters, which were presented in an October 1993 document prepared by Day Engineering, P.C. entitled "Interim Remedial Measure Work Plan, Strippit, Inc., Akron, New York, DEC Site No. 915053" and approved by the NYSDEC, include:

JUNE 1990
SAMPLING ROUND

TABLE I-3
HOUDAILLE - STRIPPIT
GROUNDWATER RESULTS
TCL ORGANIC COMPOUNDS (UG/L) / TAL METALS (UG/L)

(3) NYS STANDARD GROUNDWATER						
ANALYTE	(UG/L)	GW-1	GW-2	GW-3	GW-4	GW-5
METHYLENE CHLORIDE	5 b	3 BJR	6 BR	6 BR	-	-
ACETONE	50 b	11	35	-	-	-
CHLOROFORM	100 bc	-	3 J	-	-	-
2-BUTANONE	50 b	-	11	-	-	-
TOLUENE	5 b	3 J	3 J	-	-	-
ALUMINUM	NS	513	838	1,770	5,680	5,370
ANTIMONY	3 e	44.3 B	48.0 B	40.9 B	35.7 B	25.7 B
ARSENIC	25 a	-	-	-	3.0 SN	-
BARIUM	1,000 a	191 B	1,120	121 B	221	206
CALCIUM	NS	93,500	268,000	55,000	265,000	239,000
CHROMIUM (total)	50 b	-	-	-	10.7	9.3 B
COPPER	<200 c	-	5.4 B	-	4.8 B	4.1 B
IRON	300 b*	465	462	3,360	14,000	12,900
LEAD	25 a	9.1	1.9 B	4.3 B	12.6	13.7
MAGNESIUM	35,000 e	8,760	789 B	30,000	47,100	40,500
MANGANESE	300 b*	34.3	12.0 B	153	326	281
NICKEL	700 f	12.4 B	-	10.9 B	-	8.2 B
POTASSIUM	NS	303,000	96,800	3,300 B	59,800	59,500
SODIUM	<20,000 c	161,000	229,000	38,000	40,100	37,900
VANADIUM	NS	13.2 B	6.7 B	6.0 B	15.6 B	14.7 B
ZINC	<300 c	-	-	19.8 B	42.0	36.9

Note: GW- 5 is a duplicate of GW-4.

Footnote and qualifier list on Table I-7.

Note: CRDL for Antimony is 60 ug/l.

TABLE I-7
FOOTNOTE / QUALIFIER LIST

FOOTNOTES:

- (1) USGS, 1984, *Professional Paper 1270: New York State Soils*.
- (2) Booz, Allen & Hamilton, Inc. (1983): *Range in U.S. Soils*.
- (3) New York State quality standard for class GA (sources of potable water supply) groundwaters are the most stringent of applicable standards, criteria, or guidelines listed below:
- a - NYSDEC Groundwater Quality Regulations, 6 NYCRR, Part 703, dated September 1990.
 - b - NYSDOH Maximum Contaminant Levels, Public Water Supplies, 10 NYCRR, Subpart 5-1, dated January 1989.
 - c - NYSDOH Standards, Sources of Water Supply, 10 NYCRR, Part 170.
 - d - USEPA Maximum Contaminant Levels, 40 CFR 141.
 - e - NYS Ambient Water Quality Guidance Values, TOGS 1.1.1 dated September 1990.
 - f - USEPA Health-based Criteria for Systemic Toxicants, dated May 1989.
 - * - If iron and manganese are present, total concentration of both should not exceed 500 ug/l.
- (4) NYSDEC Surface Water Quality Standards, 6 NYCRR, part 701 and 702.

NS: No standard or guidance value established.

ND: The standard for this compound is below detection limit.

DATA QUALIFIERS (ORGANIC COMPOUNDS):

B: This flag is used when the analyte is found in the blank as well as the sample. It indicates possible or probable blank contamination and warns the data user to take appropriate action.

J: Indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero.

—: Indicates compound was analyzed for but not detected. Refer to Appendix D for detection limit.

X or T: Mass spectrum does not meet CLP criteria for confirmation, but compound presence is strongly suspected.

E: This flag is used to indicate that the quantitation of the analyte is outside the curve and that dilution was required to properly quantitate.

D: Flag is used to indicate the value for the target analyte was calculated from a dilution (see E flag above).

Y: Flag used when a matrix spike compound is also confirmed present in the unspiked sample.

R: Data Validation recommends that this value be rejected due to blank contamination.

@: This value, due to spreadsheet characteristics, appears as boxed. The value DOES NOT exceed quoted standards.

NS: No standard or guidance value established.

F: Surrogate recovery values were outside the CLP criteria windows. Value is considered an estimated concentration.

NA: Not analyzed.

Values bolded and/or boxed exceed quoted standards.

DATA QUALIFIERS (METALS):

B: Reported value is less than the Contract Required Detection Limit (CRDL) but greater than the Instrument Detection Limit (IDL).

U or -: Reported value is less than IDL.

N: Spiked sample recovery not within control limits.

*: Duplicate analysis (Relative Percent Difference) not within control limits.

W: Post digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.

S: The reported value was determined by the Method of Standard Additions (MSA).

±: Correlation coefficient for the MSA is less than 0.995.

E: Reported value is estimated because of the presence of interference.

M: Duplicate injection precision not met.

@: This value, due to spreadsheet characteristics, appears as boxed. The value DOES NOT exceed quoted standards.

NS: No standard or guidance value established.

NA: Not analyzed.

Values bolded and/or boxed exceed quoted standards.

February 1993
Sampling Round

TABLE 2
DETECTABLE ANALYTICAL RESULTS
GROUND WATER SAMPLES

STRIPPIT, INC.
AKRON, NEW YORK

COMPOUND	UNITS	MONITORING WELL SAMPLE NUMBER				
		GW-1	GW-2	GW-3	GW-4	GW-5
acetone	µg/l	10 U	17	10 U	10 U	30
phenol	µg/l	10 U	12	10 U	10 U	10 U
phenanthrene	µg/l	10 U	10 U	10 U	10 U	1 J
Total aluminum	µg/l	247	389	1090	8260	1550
Soluble aluminum	µg/l	48.9 U	327	48.9 U	48.9 U	51.6 B
Total barium	µg/l	116 B	466	77.8 B	124 B	114 B
Soluble barium	µg/l	102 B	409	1.1 U	36.8 B	107 B
Total iron	µg/l	181	89.6 B	1460	11,300	1680
Soluble iron	µg/l	5.3 B	21.8 B	5.3 U	5.3 U	26.5 B
Total magnesium	µg/l	9720	129 U	30,000	66,700	3560 B
Soluble magnesium	µg/l	8520	129 U	129 U	65,000	153 B
Total manganese	µg/l	3.3 B	1.6 B	127	224	37.8
Soluble manganese	µg/l	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total vanadium	µg/l	13.6 U	13.6 U	13.6 U	15.9 B	13.6 U
Soluble vanadium	µg/l	13.6 U	13.6 U	13.6 U	13.6 U	15.6 B
Total zinc	µg/l	5.1 B	10.2 B	12.0 B	31.6	32.2
Soluble zinc	µg/l	16.8 B	47.9	2.8 U	3.2 B	4.0 B

NOTE:

U - compound analyzed but not detected

J - estimated concentration of organic compound which is less than the sample quantitation limit but greater than zero

B - concentration of inorganic compound that is less than the contract required detection limit, but greater than the instrument detection limit

Field Parameters

- Water level
- pH
- Specific conductance
- Turbidity
- Temperature

Analytical Laboratory Parameters

- Volatile organic compounds (USEPA Method 8240)
- Semi-volatile organic compounds (USEPA Method 8270: acid extractable only)
- Total barium
- Soluble barium
- Total iron
- Soluble iron
- Total magnesium
- Soluble magnesium

At the request of the NYSDEC, the following parameters will also be included.

- Total manganese
- Soluble manganese
- Total cyanides
- Soluble cyanides

Analytical laboratory testing will be done by a laboratory approved by the New York State Department of Health (NYSDOH) to test for the above parameters. The specific laboratory proposed will be identified prior to the sample event. Laboratory deliverables will be in accordance with NYSDEC Analytical Service Protocols (ASP), September 1989 (Revised 12/91). An ASP Category A data package will be submitted for each of the quarterly sampling rounds. During the fourth sampling round, Category B QA/QC procedures will be implemented. However, a Category B data package will only be submitted if the QA/QC results indicate a potential problem with the test data. If discrepancies are noted, the data package will include information for the impacted group of parameters (e.g., if metals are determined to be a problem the Category B data package for metals will be submitted and the Category A data package will be provided for the other fractions).

2.3 Sampling Frequency

Initially, samples will be collected quarterly, beginning within thirty (30) days of the NYSDEC's acceptance/approval of this post-closure monitoring and maintenance plan. Test parameters and sample frequency will be reviewed annually by Strippit and NYSDEC. If appropriate, the test parameter list and/or sample frequency will be adjusted at this time. It is expected that the post-closure groundwater monitoring will continue for a period of thirty (30) years or a shorter period mutually agreed to by Strippit and NYSDEC.

2.4 Sampling Procedures

Groundwater samples will be collected utilizing the following procedures:

1. Initially, pertinent information will be completed on the monitoring well sampling logs (see example log on the next page) for each of the wells to be sampled.
2. The condition of the well casing and surrounding surface seal will be observed and any deficiencies noted on the sampling log.
3. An electronic tape water level indicator will be used to measure the depth of the top of the water within the well casing and to the bottom of the well. These measurements will be noted on the sampling log. The affected portion of the electronic tape will be wiped clean and rinsed with distilled water prior to measurements in other monitoring wells.
4. A centrifugal pump equipped with disposable polyethylene tubing, or other suitable method, will be used to purge a minimum of three well volumes (as determined based on the measurements made in Step 3) from each well. To reduce turbulence and to assure that the entire water column is pumped, the HPDE tubing will only be placed several feet into the top of the water table and the pump rate will be adjusted to preclude draw down beneath the tubing. Purge water collected will be initially placed in a calibrated 5-gallon bucket and discharged on the ground surface in proximity to the well head when full.
5. The amount of water purged and the corresponding water volume removed from the well will be recorded on the sampling log.
6. Following purging and recovery of water within the well to within 10% of its static level, samples will be collected for analytical testing. These samples will be collected utilizing a separate disposable HPDE bailer attached to a monofilament cord for each well. The initial sample retrieved by the bailer will be used to fill 40 ml containers designated for volatile organic compound testing. Subsequent bailers will be used to randomly fill containers for other parameters.

**DAY ENGINEERING
MONITORING WELL SAMPLING LOG**

MW - ID#: _____

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.)
 HEIGHT OF WATER COLUMN [FT]: _____ (DEPTH OF WELL - SWL)
 CALCULATED VOL. OF H₂O PER WELL CASING [GAL]: _____; CASING DIA. _____

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 H₂O 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

COMMENTS:

FILE:W11571

7. During the sample collection, a field sample will be collected for the in-situ testing of pH, specific conductance, temperature and turbidity. These parameters will be tested utilizing the following equipment (or similar) which will be calibrated according to manufacturers requirements before use.
 - Ph: Cole-Parmer Model 05985-80 Digi-Sensepit Ph Meter
 - Specific conductance and temperature: Cole-Parmer Model 1481-5 Conductivity/Temperature Meter
 - Turbidity: LaMotte Model 2008 Turbidity Meter
8. Samples collected for analytical testing will be placed in containers provided by the analytical laboratory. A label will be completed for each container including a unique sample identification code. A typical code to be used is presented below:

2430-09014-GW1

Where:

2430 = job designation

09014 = sample date

GW1 = sample location
9. Following collection and labeling of the sample containers, they will be placed in a plastic cooler containing ice. At the completion of the sample round, these coolers will be transported to the analytical laboratory following chain-of-custody protocols to document a continuous chain of possession. A typical chain-of-custody form to be completed is included on the following page.
10. The analytical laboratory will be contacted the day following the sampling event to assure that the containers were received and that they are adequate for testing (i.e., no broken containers, sufficient labeling, etc.)

2.5 QA/QC Samples

In addition to the samples collected from the monitoring wells, the following samples will also be analyzed during each sample round.

Field Samples

- One (1) duplicate sample
 - One (1) trip blank sample
- Note: Since disposable equipment will be used to collect samples, no field rinse blank samples will be required.

CHAIN OF CUSTODY RECORD

CHAIN OF CUSTODY RECORD

Laboratory Samples

- **Category A**
The daily method blank sample results for each fraction tested (i.e., volatiles, semi-volatiles and metals) will be reported.
- **Category B** (These samples will be tested during the fourth sampling round. If discrepancies are detected, a Category B data package will be submitted.)
 - One (1) method blank
 - One (1) matrix spike
 - One (1) matrix spike duplicate

The field duplicate sample will be collected from one of the monitoring wells and labeled such that the analytical laboratory is unaware of the sample's origin. This sample will be analyzed for the same list of parameters as the monitoring well samples.

The trip blank sample will consist of a 40 ml vial filled with deionized water. This sample will be prepared by the analytical laboratory and delivered with the complete set of sample containers. The trip blank sample will be carried throughout the sample round and handled similar to other analytical samples. The trip blank sample will be analyzed for the volatile organic fraction only.

2.6 Reporting

Following receipt of the analytical results for each quarterly sample round, a report will be prepared and submitted to NYSDEC. This report will include the following:

- a narrative section describing the sampling event and discussing the results, particularly with respect to variations and potential trends when compared to previous results;
- tables summarizing groundwater elevation measurements and in-situ test results;
- copies of field sampling logs prepared for each well; and
- a copy of the complete report submitted by the analytical laboratory (including required ASP deliverables).

An annual summary report will be submitted that summarizes the results of the quarterly sampling rounds. The annual report will be submitted following receipt of the test results from the fourth quarter sampling event. This report will include a table presenting the quarterly analytical test results and groundwater level measurements. Additionally, as an

adequate data base is developed a statistical evaluation comparing upgradient and downgradient test results will be presented in this report. The statistical evaluation will utilize a Student's T-test at the 0.05 level of significance (or other appropriate method) to determine statistically significant increases. For purpose of comparison, the measure of the mean and variance at each downgradient point will be determined and these values will be compared to background conditions. Background conditions will be based upon an average of existing parameter concentrations plus measurements made during the preceding year.

In the event a statistically significant change is determined, the NYSDEC will be notified. Strippit and NYSDEC will meet to assess the significance of the change and to determine whether, and to what extent, the groundwater program should be modified.

3.0 MAINTENANCE PLAN

The integrity of the cover system and monitoring well network will be evaluated each time groundwater samples are collected. This evaluation will include an observation of the cap, particularly side slope areas, for evidence of sloughing, cracking, erosion, settlement, stressed vegetation, and the presence of seeps. Additionally the vegetative cover will be observed to assure adequate growth and the drainage trench inspected for evidence of blockage or other potential problems. Since a crown vetch cover is planned for the Site, it is not expected that cutting or other maintenance of the vegetative cover will be required.

The results of the quarterly monitoring and the resolution of problems noted (if any) will be submitted to NYSDEC in conjunction with the groundwater sampling report. A example of typical quarterly monitoring report to be completed and submitted is included on the next page. Depending upon the results of this inspection process, the inspection frequency may be altered after one (1) year. The NYSDEC will be consulted if a modified schedule is deemed appropriate.

3.1 Site Inspection and Maintenance

Site inspections and maintenance/repairs to be undertaken to assure proper function of the cover system are discussed in the following sections.

3.1.1 Sloughing

Areas of sloughing can occur in topsoil and barrier soil layers. If areas requiring remediation are observed, they will be repaired in accordance with the requirements of the IRM.

3.1.2 Cracks

The location and size (width, length, and depth) of cracks (if encountered) will be documented on the inspection log. A site sketch, showing the approximate location and orientation of cracks will also be prepared and submitted. Inspection for cracks is particularly important after extended dry periods.

The appropriate maintenance procedure depends on the size and depth of the crack. Small shallow cracks in the topsoil will be repaired via minor regrading of the cracked area and reseeding. Larger cracks that appear to extend into the compacted barrier soil will be filled with low permeability soil, covered with topsoil and reseeded.

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

Date of Inspection: _____

Inspected By: _____

Summary of Observation:

General Condition of Cover: _____

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

Explain: _____

Evidence of cracking: ☐ Yes ☐ No

Explain (include measurements and site sketch): _____

Evidence of water seepage: ☐ Yes ☐ No

Explain: _____

Evidence of Settlement: ☐ Yes ☐ No

Explain: _____

Condition of monitoring wells and gas wells: _____

Condition of Vegetative Cover: _____

Condition of drainage ways (discuss amount of water/sediments present, vegetative growth, unusual staining, blockage, etc.) _____

Additional Comments: _____

Action Item(s) Required: _____

Action Item(s) completed since last inspection: _____

Signatures: _____

3.1.3 Erosion

Erosion features such as gullies can be a problem on portions of cover systems where the slope exceeds five percent. The cover system is especially susceptible to gulling when it has no vegetation, so gully erosion processes have an advantage in the time before vegetation is mature. Shallow gullies will be repaired by backfilling to the original grade with topsoil and reseeding. Deeper gullies require topsoil removal, cap reconstruction, topsoil replacement and reseeding. If gullies continue to develop in a particular area then an alternative method of repair will be required. This may include placing coarse stone in the gully to limit future erosion.

3.1.4 Settlement

Settlement features such as depressions and puddles will be regraded by placing additional cover soil such that surface water drains to the appropriate direction. Areas of settlement may be regraded using topsoil. Vegetative cover will be established over each area repaired.

3.1.5 Stressed Vegetation

Chronically weak and vulnerable vegetation sometimes signals a need for a revitalization of a vegetative soil layer. The characteristics of possible concern are:

- a. Texture
- b. Water-holding properties and drainage
- c. Nutrient content
- d. Accumulations of gases
- e. Accumulations of toxic salts

If deemed necessary, samples of the topsoil will be taken and tested for pH and organic content. The soil will then be reconditioned as appropriate, mulched and seeded. If this procedure does not result in establishment of a suitable cover, then further evaluation of the cause for the stress will be made and an appropriate solution proposed to NYSDEC.

3.1.6 Seepage

If conditions indicative of seepage such as wet spots, precipitate, or surface sloughing are observed during the inspection, then further investigation is warranted to evaluate the condition the determine the appropriate remedial measure(s).

3.2 Monitoring Wells

All monitoring wells will be inspected at the time of sampling for signs of damage and tampering. The following is a list of items to check during monitoring well inspections.

- Positive identification of well;
- Protective casing intact and perpendicular to ground surface;
- Concrete surface seal intact;
- Lock present; and
- Riser cap present;
- Condition of paint.

The condition of the wells will be noted on the inspection form. Well repair/maintenance will be done as necessary to maintain the integrity of the wells. In the event wells are found to be unsuitable for the collection of samples, they will be repaired/replaced, as necessary. Should such determinations be made, the NYSDEC will be consulted.

3.3. Inspections Following a Significant Earthquake

Should a significant earthquake occur that could potentially impact the Site, an inspection following the format outlined herein will be done as soon as practical. Depending upon conditions encountered, emergency response actions will be implemented as necessary (e.g., construction of temporary berms to reduce exfiltration/drainage). Thereafter, long-term corrective actions will be undertaken to restore the Site to its condition prior to the earthquake.

4.0 NOTIFICATIONS AND EMERGENCY RESPONSE

In the event of an emergency at the Site and/or a condition that warrants immediate attention, the following individual shall be notified:

Mr. Robert Johnson
Strippit, Inc.
A Unit of IDEX Corporation
12975 Clarence Center Road
Akron, New York 14001
Telephone #: (716) 542-4511

If Mr. Johnson is not available, Mr. Greg Selip should be contacted. Mr. Selip can be contacted at the address and telephone number listed above.

Problems encountered during sampling events and/or Site inspections shall be reported to the NYSDEC as soon as practical. The NYSDEC contact person is listed below.

Jaspal S. Walia
Environmental Engineering II
New York State Department of Environmental Conservation
270 Michigan Avenue
Buffalo, New York 14203
Telephone #: (716) 851-7220

Copies of quarterly and annual reports generated shall also be transmitted to the above individual, as soon as they are available.

5.0 REPORTING TO THE COMMUNITY

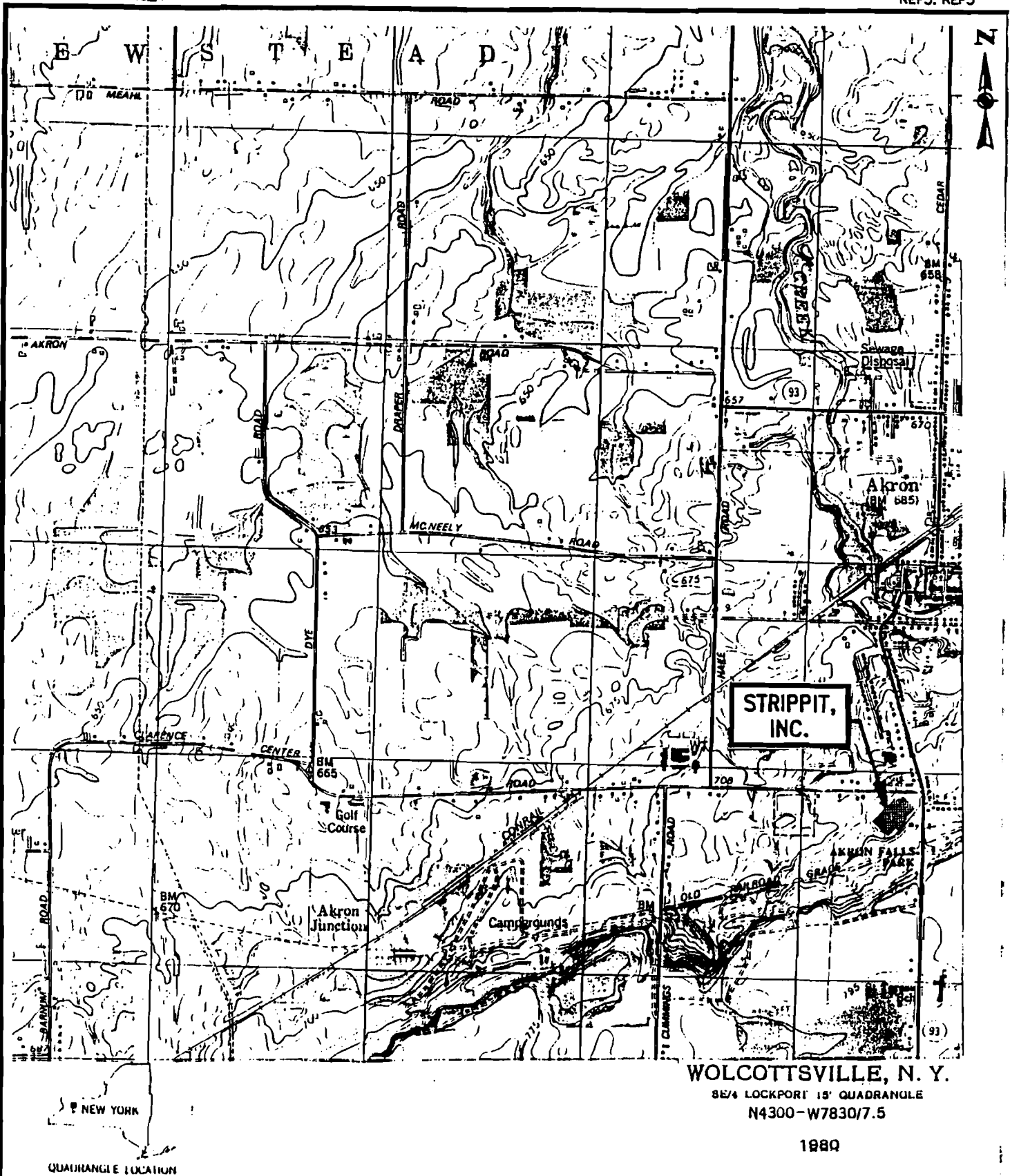
The IRM is complete and will perform its remedial functions passively over time. Moreover, there was little community interest in the development of the IRM and its construction. Consequently, Strippit will not report to the community on any systematic or regular periodic basis concerning the performance of the IRM. Instead, Strippit will rely on the NYSDEC to provide whatever reports or communications to the community it determines are appropriate under the circumstances. However, Strippit will provide appropriate reports to the community concerning any significant developments concerning the performance of the IRM.

6.0 REFERENCES

The following documents were referenced in the development of this "Post-Closure Monitoring and Maintenance Plan; Interim Remedial/Measure; Strippit, Inc.; Akron, New York".

- "Engineering Investigations at Inactive Hazardous Waste Sites, Phase II Investigations, Houdaille-Industries-Strippit Division, Village of Akron, Site No. 915053, Erie County' March 1991" prepared by Engineering-Science.
- "Field Investigation Report, Strippit, Inc., Akron, New York, DEC Site No. 915053; July 1993" prepared by Day Engineering, P.C.
- "Interim Remedial Measure Work Plan, Strippit, Inc., Akron, New York, DEC Site No. 915053; October 1993" prepared by Day Engineering, P.C.
- "Site Specific Health & Safety Plan; Strippit, Inc.; Akron, New York; DEC Site No. 91503" July 1994; prepared by Haseley Trucking Co., Inc.
- "Quality Assurance/Quality Control; Interim Remedial Measure; Strippit, Inc.; Akron, New York" August 1994; prepared by Day Engineering, P.C.
- "Construction Documentation Report Interim Remedial Measure, Strippit, Inc.; Akron, New York" December 1994; prepared by Day Engineering, P.C.

FIGURE 1
LOCUS PLAN



PROJECT NO.
94-2430R
FIGURE

1

PROJECT TITLE
STRIPPIT, INC.
12975 CLARENCE CENTER ROAD
AKRON, NEW YORK

DRAWING TITLE
LOCUS PLAN



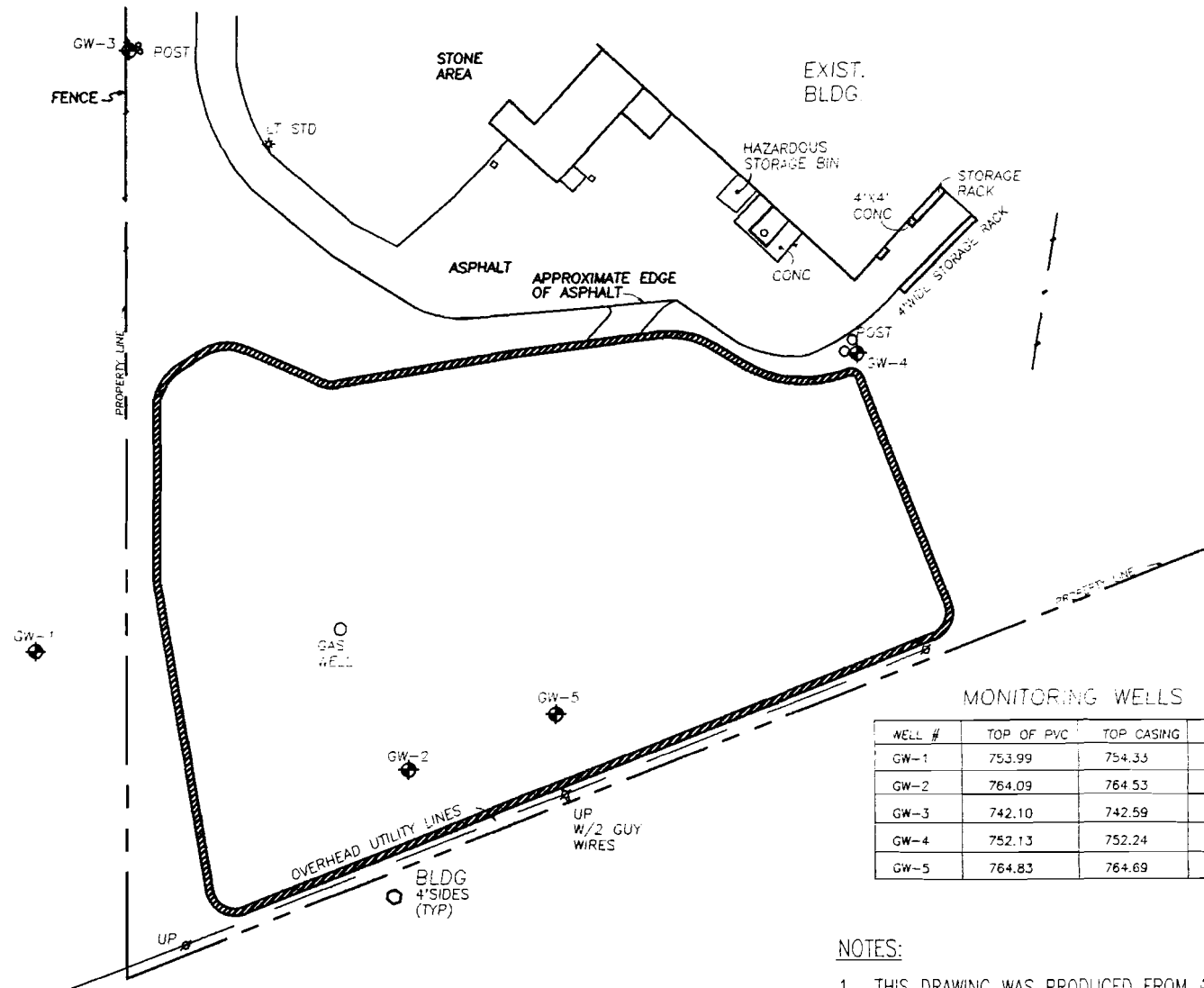
DAY ENGINEERING, P.C.
ENVIRONMENTAL ENGINEERING CONSULTANTS
ROCHESTER, NEW YORK

DATE
10/3/94

DRAWN BY
JJD

SCALE
1" = 2000'

FIGURE 2
SITE PLAN



MONITORING WELLS

WELL #	TOP OF PVC	TOP CASING	
GW-1	753.99	754.33	
GW-2	764.09	764.53	
GW-3	742.10	742.59	
GW-4	752.13	752.24	
GW-5	764.83	764.69	

NOTES:

1. THIS DRAWING WAS PRODUCED FROM A DEBORAH A. NAYBOR PLS, PC. ENTITLED "PART OF LOT 5, TWP. 12, RGE. 5, SE. COUNTY OF ERIE, NEW YORK" DATED 3/1/94.

LEGEND



MONITORING WELL



APPROXIMATE GEOMEMBRANE LIMITS

APPENDIX A

BORING LOGS/WELL INSTALLATION DIAGRAMS

WELL INSTALLATION CHECKLIST
PHASE II INVESTIGATIONS

61

Site Name: Houdaille Stripart
Job Number: SY053.09 00
Boring Number: GW-1

Date: 5-21-90
By: D. Nickerson

Depth of Hole: 55'

Comments

Diameter of Hole: 11"

ALL MATERIALS INSPECTED PRIOR TO INSTALLATION?

Yes X No

SCREEN

Material: prepacked PVC 2" ID inside 4" ID Sch 40

Slot Size: 0.01"

Length: 5'

Threaded: Yes X No

RISER PIPE

Material: PVC 2" ID Sch. 40

Total Length of Well - Screen Length = 53' (includes 3' stick-up)

Threaded: Yes X No

END CAP

Material: PVC

Threaded: Yes X No

ALL JOINTS TEFLON TAPED: Yes No X

TOTAL LENGTH OF WELL CASING (Includes screen and stick-up.)

58'

SAND PACK

Type/Size: #4 G ROK Around prepacked screen

Amount (Calculated): 200 lb

Amount (Actual): 200 lb

Installed with Tremie: Yes No X

BENTONITE SEAL(S):

Type/Size: pellets 3/8"

Amount (Calculated): 100 lb

Amount (Actual): 100 lb

Installed with Tremie: Yes No X

Secondary Seal(s) Used: Yes No X

Explain:

WELL INSTALLATION CHECKLIST
PHASE II INVESTIGATIONS

192

94 lbs cement / 31 lbs bentonite

GROUT/CEMENT

Mixture (#Cement/#Bentonite): _____

Mixture (Gal. water/#dry mix): 7 gal. water / 97 lb dry mix

Amount (calculated): 130 gal.

Amount (actual): 130 gal

Installed with TREMIE: Yes _____ No X

LOCKING PROTECTIVE CASING INSTALLED:

Yes X No _____

Locked immediately after installation:

Yes X No _____

Grout sloped at surface to allow run-off:

Yes X No _____

Drain hole drilled prior to development:

Yes X No _____

Stick-up:

2.63'

ANY FOREIGN OBJECTS LOST IN THE WELL:

Yes _____ No X

If yes:

(1) What was lost:

(2) Depth:

(3) Stage of well installation:

(4) Was object retrieved:

Yes _____ No _____

(All or part/how):

WELL CAPPED: Yes X No _____

WELL IDENTIFIED: Yes X No _____

DISPOSAL OF CUTTINGS:

Left in pile: _____

Spread out: _____ (Hnu reading: _____ ppm)

Containerized: _____

Other: Containerized and moved to landfill

DISPOSAL OF FLUIDS:

Run off on ground surface: X

Containerized: _____

Other: _____

D. Hicken

Engineering-Science
Representative

5-16-90

Contractor: KDC
Driller: Steve Kohn
Inspector: D. Nickerson
Rig Type: Mobile B-61
Drilling Method: 6 3/8" HSA

ENGINEERING-SCIENCE DRILLING RECORD

BORING NO. GW-2
Sheet 2 of 4
Location landfill area approx
100' SE of SE fence ground gas well
just beyond Decm to the south
Plot Plan of the gas well

PROJECT NAME Houda 116
PROJECT NO. 51453.07.00
Weather: Cloudy 32°
Date/Time Start 5/23/00 8:45 am
Date Time Finish 5/25/00 10:40 am

GROUNDWATER OBSERVATIONS
Water Level
Time
Date

Penetration Sample Sample % SPT
Reading ID Depth Recovery

FIELD IDENTIFICATION OF MATERIAL

WELL SCHEMATIC COMMENTS

0	20-22'	95	11	
			16	
			16	
			36	
0	25-27'	65	18	
			38	
			52	
			54	
4.7	30-32'	65	13	
			21	
			27	
			36	
0	35-37'	95	7	
			13	
			14	
			18	



STANDARD PENETRATION TEST

SUMMARY 18-39' => Sandy fill

SS = SPLIT SPOON A = AUGER CUTTINGS C = CORED

Contractor: KDC
Driller: Steve Kahn
Inspector: D. Nickerson
Rig Type: Moby B-61
Drilling Method: 6 5/8" HSA

ENGINEERING-SCIENCE DRILLING RECORD

BORING NO. 6W-2
Sheet 3 of 4
Location

PROJECT NAME Houdaille
PROJECT NO. 54053.09.00

GROUNDWATER OBSERVATIONS

Water Level
Time
Date

Weather: Cloudy 52°
Date/Time Start 5/23/90 8:45 am
Date Time Finish 5/25/90 10:45 am

Plot Plan

Probe	Sample ID	Sample Depth	% Recovery	SPT
0	40-41'	70	6	29
			14	71
0	45-46'	0	8	13
			14	30
0	50-52'	40	14	22
			25	29
0	53-55'	50	14	11
			17	21
0	55-57'	65	6	13
			18	22
0	58-60'	65	9	16
			18	22

FIELD IDENTIFICATION OF MATERIAL

↓
40'
Brown silt and fine
gravel with a little
v. fine sand and trace
of clay, moist
(lower till)
↓
60'

WELL SCHEMATIC

↑
Cement/
bentonite
mix
↓

56.0'
bentonite
seal

59.5'

STANDARD PENETRATION TEST

SUMMARY 40-60' → silty till

SS = SPLIT SPOON A = AUGER CUTTINGS C = CORED

SS = SPLIT SPOON A = AUGER CUTTINGS C = CORED

WELL INSTALLATION CHECKLIST
PHASE II INVESTIGATIONS

61

Site Name: Houdaille Strip, T
Job Number: SY053 09 00
Boring Number: GW - 2

Date: 5/28/90
By: W.D. L. 160

Depth of Hole: 70' Comments
Diameter of Hole: 11"

ALL MATERIALS INSPECTED PRIOR TO INSTALLATION?
Yes X No

SCREEN

Material: 2" ID SCH 40 PVC
Slot Size: 0.01"
Length: 10
Threaded: Yes X No

RISER PIPE

Material: 2" ID PVC 40 SCH 40
Total Length of Well - Screen Length = 60
Threaded: Yes X No

END CAP

Material: 2" PVC
Threaded: Yes X No

ALL JOINTS TEFLON TAPED: Yes No X

TOTAL LENGTH OF WELL CASING (Includes screen and stick-up.)

SAND PACK

Type/Size: #40 R012
Amount (Calculated): 500 #
Amount (Actual): 300 #
Installed with Tremie: Yes No X

BENTONITE SEAL(S):

Type/Size: Bentonite
Amount (Calculated): 50 #
Amount (Actual): 50 #
Installed with Tremie: Yes X No
Secondary Seal(s) Used: Yes No X
Explain:

WELL INSTALLATION CHECKLIST
PHASE II INVESTIGATIONS

192

GROUT/CEMENT

Mixture (#Cement/#Bentonite): 94 # cement / 3 # bentonite
Mixture (Gal. water/#dry mix): 7 gal H₂O / 97 # dry mix
Amount (calculated): 120 gal
Amount (actual): 120 gal
Installed with TREMIE: Yes X No

LOCKING PROTECTIVE CASING INSTALLED:

Yes X No
Locked immediately after installation: Yes X No
Grout sloped at surface to allow run-off: Yes X No
Drain hole drilled prior to development: Yes X No
Stick-up: 2'

ANY FOREIGN OBJECTS LOST IN THE WELL:

Yes No X

If yes:

(1) What was lost:

(2) Depth:

(3) Stage of well installation:

(4) Was object retrieved: Yes No

(All or part/how):

WELL CAPPED: Yes X No

WELL IDENTIFIED: Yes X No

DISPOSAL OF CUTTINGS:

Left in pile: X
Spread out: (Hnu reading: ppm)
Containerized:
Other:

DISPOSAL OF FLUIDS:

Run off on ground surface: X
Containerized:
Other:

Michael
Engineering-Science
Representative

5/25/90

[illegible]

WELL INSTALLATION CHECKLIST
PHASE II INVESTIGATIONS

192

GROUT/CEMENT

Mixture (#Cement/#Bentonite): 94 lb cement / 31 lb bentonite
Mixture (Gal. water/#dry mix): 7 gal. H₂O / 97 lb. dry mix
Amount (calculated): 30 gal
Amount (actual): 30 gal
Installed with TREMIE: Yes X No

LOCKING PROTECTIVE CASING INSTALLED:

Yes X No
Locked immediately after installation: Yes X No
Grout sloped at surface to allow run-off: Yes X No
Drain hole drilled prior to development: Yes X No
Stick-up: 2.1'

ANY FOREIGN OBJECTS LOST IN THE WELL:

Yes No X

If yes:

- (1) What was lost:
- (2) Depth:
- (3) Stage of well installation:
- (4) Was object retrieved: Yes No

(All or part/how):

WELL CAPPED: Yes X No

WELL IDENTIFIED: Yes X No

DISPOSAL OF CUTTINGS:

Left in pile: _____
Spread out: _____ (Hnu reading: _____ ppm)
Containerized: _____
Other: Moved to landfill area

DISPOSAL OF FLUIDS:

Run off on ground surface: ✓
Containerized: _____
Other: _____

David A. Mickelson
Engineering-Science
Representative

5-14-90

WELL INSTALLATION CHECKLIST
PHASE II INVESTIGATIONS

ig1

Site Name: Houdaille Stripit
Job Number: 5Y053.09.00
Boring Number: GW-3

Date: 5-14-90
By: D. Nickerson

Depth of Hole: 50'

Comments

Diameter of Hole: 11"

ALL MATERIALS INSPECTED PRIOR TO INSTALLATION?

Yes X No

SCREEN

Material: Pvc sch 40 2" ID

Slot Size: 0.01"

Length: 10'

Threaded: Yes X No

RISER PIPE

Material: Pvc sch 40 2" ID

Total Length of Well - Screen Length = 42' (includes 2' stick up)

Threaded: Yes X No

END CAP

Material: Pvc

Threaded: Yes X No

ALL JOINTS TEFLON TAPED: Yes No X

TOTAL LENGTH OF WELL CASING (Includes screen and stick-up.)

52'

SAND PACK

Type/Size: #4 @ Rck

Amount (Calculated): 400 lb

Amount (Actual): 400 lb

Installed with Tremie: Yes No X

BENTONITE SEAL(S):

Type/Size: pellets 3/4 size

Amount (Calculated): 100 lbs

Amount (Actual): 100 lbs


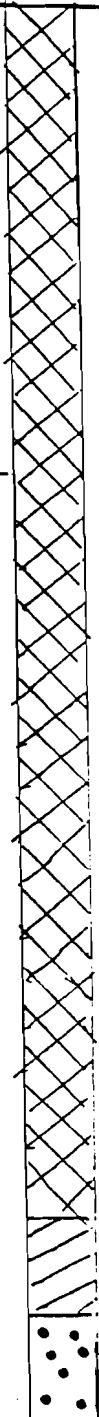
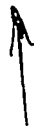

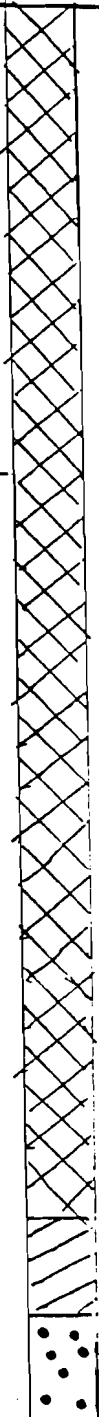

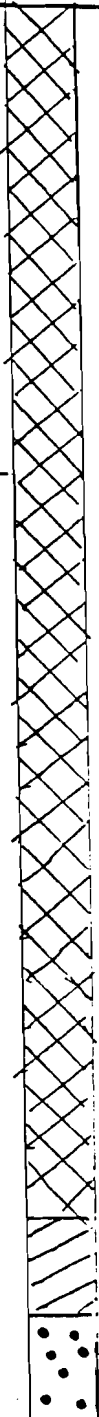
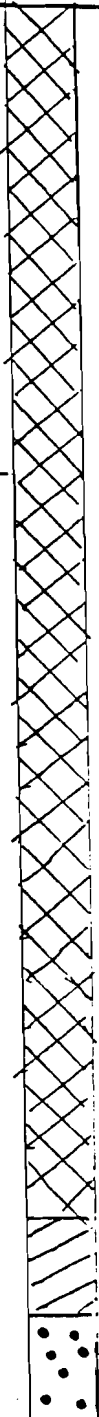
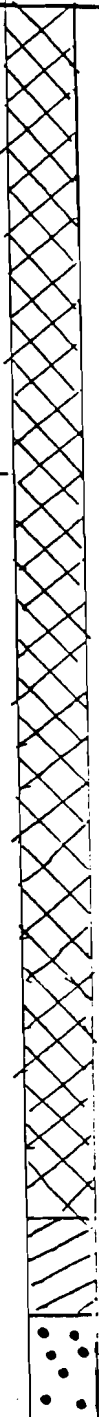
Installed with Tremie: Yes No X

Secondary Seal(s) Used: Yes No X

Explain:

S = SPLIT SPOON A = AUGER CUTTINGS C = CORED

Contractor: <u>ROC</u>	ENGINEERING-SCIENCE DRILLING RECORD		BORING NO. <u>6W-4</u>
Driller: <u>Steve Kuba</u>			Sheet <u>2</u> of <u>3</u>
Inspector: <u>D. Nickerson</u>	PROJECT NAME <u>Houdaille</u>		Location <u>approx. 60' SE of</u>
Rig Type: <u>Mobile R-61</u>	PROJECT NO. <u>54053.09.00</u>		<u>SE corner of Stripper building</u>
Drilling Method: <u>6 5/8" HSA</u>	Weather: <u>Rain 65°</u>		Plot Plan
GROUNDWATER OBSERVATIONS			
Water Level: <u>35.65' T.O.C. (PVC)</u>	Date/Time Start <u>5/15/90 9:15 am</u>		
Time: <u>11:15</u>	Date/Time Finish <u>5/16/90 1:00 pm</u>		
Date: <u>5-22</u>			

Penetration Reading	Sample ID	Sample Depth	% Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL	WELL SCHEMATIC	COMMENTS
							
15.5	SS-1	120-22'	70	8			
				10			
				14			
				22			
7.3		25-26.5'	65	12	<p>brown fine to v. fine sand and silt with some fine gravel and trace of clay, moist (lower fill)</p> 		
				11			
				15			
4.2		30-32'	65	9			<p>Cement/ bentonite mix</p>
				15			
				26			
				24			
0		25-37'	20	18			<p>36.0' bentonite seal</p>
				20			
				23			
				23			
							<p>37.5'</p>

STANDARD PENETRATION TEST

SUMMARY 14-25' => sandy fill
25-39' => silty fill

SS = SPLIT SPOON A = AUGER CUTTINGS C = CORED

[illegible]

layers of fine brown
wet sand & silt and th

WELL INSTALLATION CHECKLIST
PHASE II INVESTIGATIONS

61

Site Name: Houdaille Strippit
Job Number: SY053.09.00
Boring Number: GW-4

Date: 5-16-90
By: D. Nickerson

Depth of Hole: 50'

Comments

Diameter of Hole: 11"

ALL MATERIALS INSPECTED PRIOR TO INSTALLATION?

Yes X No

SCREEN

Material: 2" ID SCH 40 PVC

Slot Size: 0.01"

Length: 10'

Threaded: Yes X No

RISER PIPE

Material: PVC sch 40

Total Length of Well - Screen Length = 42' (includes 2' stick up)

Threaded: Yes X No

END CAP

Material: PVC

Threaded: Yes X No

ALL JOINTS TEFLON TAPED: Yes No X

TOTAL LENGTH OF WELL CASING (Includes screen and stick-up.)

52'

SAND PACK

Type/Size: # 4 G ROK

Amount (Calculated): 500 lbs

Amount (Actual): 500 lbs

Installed with Tremie: Yes No X

BENTONITE SEAL(S):

Type/Size: 021lets 3/4"

Amount (Calculated): 50 lbs

Amount (Actual): 50 lbs

Installed with Tremie: Yes No X

Secondary Seal(s) Used: Yes No X

Explain:

WELL INSTALLATION CHECKLIST
PHASE II INVESTIGATIONS

92

GROUT/CEMENT

Mixture (#Cement/#Bentonite): 94 lb Cement / 3 lb bentonite
Mixture (Gal. water/#dry mix): 7 gal. water / 97 lb dry mix
Amount (calculated): 130 gal.
Amount (actual): 130 gal.
Installed with TREMIE: Yes No X

LOCKING PROTECTIVE CASING INSTALLED:

Yes X No
Locked immediately after installation: Yes X No
Grout sloped at surface to allow run-off: Yes X No
Drain hole drilled prior to development: Yes X No
Stick-up: 1.92'

ANY FOREIGN OBJECTS LOST IN THE WELL:

Yes No X

If yes:

- (1) What was lost:
 - (2) Depth:
 - (3) Stage of well installation:
 - (4) Was object retrieved: Yes No
- (All or part/how):

WELL CAPPED: Yes X No

WELL IDENTIFIED: Yes X No

DISPOSAL OF CUTTINGS:

Left in pile:
Spread out: ✓ (Hnu reading: 0 ppm)
Containerized:
Other:

DISPOSAL OF FLUIDS:

Run off on ground surface: ✓
Containerized:
Other:

D. Anderson

Engineering-Science
Representative

5-21-90

DAY ENGINEERING, P.C.
DAY ENVIRONMENTAL, INC.

Project: Strippit, Inc.
Project Location: Akron, N.Y.

Soil Boring No.: GW-5
Monitoring Well No.: GW-5
Geologist: Andrew J. Kucsvik
Date: Feb. 3, 4, 5, 1993
Project No.: 92-16575

Drilling Firm: BUFFALO DRILLING Co. INC.
Driller: Larry Schroeder
Helper: Don Rimbeck

Drill Rig Type: CME-55
Drilling Method: HSA
Weather: Sunny 35°-40°F

DEPTH	SAMPLE NUMBER	BLOW COUNTS PER 6 INCHES		PID	WELL DETAILS		SOIL / BEDROCK DESCRIPTION	NOTES / REMARKS	
1	1	4	14	0.0	CEMENT / BENTONITE GROUT	2" I.D. P.I.C. WELL	Brown Clayey SILT, some fine-coarse Sand, little Gravel (moist, fill)	PID = Photolonization Detector Reading (in HNu units, parts per million, ppm)	
2		10							
3									
4				0.0			3.3'	Brown SILT, some fine-coarse Gravel, some Sand (moist)	FSW = Free Standing Water Level
5									
6	2	3	7						
7		16	13	0.0			8.5'	Brown fine SAND and Silt (wet)	
8									
9									
10				0.0			13.5'	Red-brown SILT and fine-coarse Sand, some Gravel, trace clay (moist)	Soil/Bedrock Description via Visual-Manual Identification methods and ASTM 1586D.
11	3	16	29						
12		33	27						
13				0.0					
14									
15	4	37	45						
16		70							

DAY ENGINEERING, P.C.
DAY ENVIRONMENTAL, INC.

Soil Boring No.: GW-5 (CONT.)
Monitoring Well No.: GW-5 (CONT.)
Geologist: _____
Date: _____
Project No.: _____

Project: _____
Project Location: _____

Drilling Firm: _____
Driller: _____
Helper: _____

Drill Rig Type: _____
Drilling Method: _____
Weather: _____

DEPTH	SAMPLE NUMBER	BLOW COUNTS PER 6 INCHES		PID	WELL DETAILS		SOIL / BEDROCK DESCRIPTION	NOTES / REMARKS
-17				0.0			<i>Becomes gray-brown</i>	PID = Photoion- izationDetector Reading(In HNu units, parts per million,ppm) FSW = Free Stand- ing Water Level
-18								
-19								
-20								
-21	5	37	31	0.0				
-22		35	33					
-23				0.0				
-24								
-25								
-26								
-27	6	25	37	0.0				
-28		41	45					
-29				0.0				
-30								
-31								
-32								
	7	30	27	0.0				Soil/Bedrock Description via Visual-Manual Identification methods and ASTM 1586D.
		33	38					

Soil Boring No.: GW-5 (CONT.)
Monitoring Well No.: GW-5 (CONT.)
Geologist: _____
Date: Feb. 4, 1993
Project No.: _____

Drill Rig Type: _____
Drilling Method: _____
Weather: _____

DEPTH	SAMPLE NUMBER	BLOW COUNTS PER 6 INCHES		PID	WELL DETAILS	SOIL / BEDROCK DESCRIPTION	NOTES / REMARKS
-33							PID = Photoion-izationDetector Reading (in HNu units, parts per million, ppm)
-34							
-35							
-36	8	26	21	0.0			FSW = Free Standing Water Level
-37		30	30				
-38							
-39							
-40							
-41	9	7	14	0.0			
-42		16	21				
-43							
-44							
-45							
-46	10	15	21	0.0			
-47		14	19				
-48							

DAY ENGINEERING, P.C.
DAY ENVIRONMENTAL, INC.

Soil Boring No.: GW-5 (CONT.)
Monitoring Well No.: GW-5 (CONT.)
Geologist: _____
Date: Feb. 4, 1993
Project No.: _____

Project: _____
Project Location: _____

Drilling Firm: _____
Driller: _____
Helper: _____

Drill Rig Type: _____
Drilling Method: _____
Weather: _____

DEPTH	SAMPLE NUMBER	BLOW COUNTS PER 6 INCHES		PID	WELL DETAILS	SOIL / BEDROCK DESCRIPTION	NOTES / REMARKS
49							PID = Photoionization Detector Reading (in HNu units, parts per million, ppm)
50							
51	11	10	14	0.0			FSW = Free Standing Water Level
52		15	15				
53							
54							
55							
56	12	21	52	0.0			
57		45	68				
58	13	11	12	0.0			
59		19	24				
60	14	12	15	0.0			
61		15	15				
62	15	21	31	0.0			
63		35	21				
64	16	15	17	0.0			
		17	18				

51.5'

Bentonite Seal

53.1'

53.5'

Brown and gray Silt and fine Sand (wet)

54.8'

57'

Gray & brown laminated Silt and CLAY, some fine-coarse Sand (moist)

59'

Gray Silt and fine Sand (wet)

Soil/Bedrock Description via Visual-Manual Identification methods and ASTM 1586D.

2" ID. PVC SCREEN

64.8'

T DAY ENGINEERING, P.C.
T DAY ENVIRONMENTAL, INC.

Monitoring Well No.: GW-5(10.5T)

Date: Feb. 5, 1993

Project No.: _____

Project Location: _____

Driller: _____

Helper: _____

Drill Rig Type: _____

Drilling Method: _____

Weather:

DEPTH	SAMPLE NUMBER	BLOW COUNTS PER 6 INCHES	PID	WELL DETAILS	SOIL / BEDROCK DESCRIPTION	NOTES / REMARKS
65						PID = Photolon-izationDetector Reading (in HNu units, parts per million,ppm)
66					BORING COMPLETE @ 66.0' AUGERED TO 66.0'	FSW = Free Standing Water Level
						Soil/Bedrock Description via Visual-Manual Identification methods and ASTM 1586D.