PERIODIC REVIEW REPORT
REPORTING PERIOD: JANUARY 31, 2022 THROUGH JANUARY 31, 2025

12975 CLARENCE CENTER ROAD
AKRON, NEW YORK
NYSDEC SITE NO. 915053

This Periodic Review Report (PRR) was prepared in accordance with the provisions of the document *DER-10 Technical Guidance for Site Investigation and Remediation* (DER-10). This is the twelfth PRR submitted for New York State Department of Environmental Conservation (NYSDEC) Site No. 915053 located at 12975 Clarence Center Road, Village of Akron, Erie County, New York. This document presents a summary of site characterization and remedial activities conducted at the Site, modifications to the Post-Closure Monitoring and Maintenance Program, and the site management activities completed in the period between January 31, 2022 and January 31, 2025 (the reporting period). The site management requirements are outlined in the document titled *Post-Closure Monitoring and Maintenance Plan Interim Remedial Measure, Strippit, Inc. Akron, New York*, dated February 1995, (the PCMMP) as modified by the Errata Sheet dated June 2022 (revised July 20, 2022) approved by the NYSDEC on July 25, 2022 (the PCMMP Errata Sheet).

This report includes the following elements:

- Site background information;
- identification of the remedial goals established for the Site;
- a description of the Institutional Controls (ICs) and Engineering Controls (ECs) for the Site;
- a review of monitoring protocols and results;
- a description of site monitoring activities and site inspections;
- an evaluation of the remedy performance, effectiveness and protectiveness; and
- conclusions and recommendations based on the work completed to date.

I. Executive Summary

A. Site Conditions, Contamination and Remedial History

- The Site consists of an approximate 2-acre area located behind (south) of the LVD Strippit manufacturing facility, that was used until 1979 to dispose of various materials including suspected hazardous waste (refer to the Project Locus Map included as Figure 1). As a result, the New York State Department of Environmental Conservation (NYSDEC) listed the disposal area as an in-active hazardous waste site (NYSDEC Site No. 9-15-053).
- Various studies were completed to evaluate that nature and extent of contamination, and to develop/implement an Interim Remedial Measure (IRM). This IRM was completed in 1994 and it included the consolidation of waste materials and the covering of these waste materials with a composite soil/geomembrane cover.
- The results of the previous studies, including the history of the Site, and the IRM implemented to address impacts at the Site are included in the document titled *Record of Decision, Houdaille Industrial – Strippit Division Site, Town of Newstead, Erie County, Site Number 9-15-053* dated March 1995 prepared by the NYSDEC (the ROD).

- Subsequently, specific post-closure monitoring and maintenance requirements outlined in the PCMMP, consisting of site inspections to evaluate the condition of the landfill cover and groundwater monitoring to assess the effectiveness of the IRM, were implemented beginning in 1995.
- The post-closure monitoring has been on-going on a routine basis since 1995, with reports submitted to the NYSDEC periodically (as described herein).
- Copies of correspondence with NYSDEC regarding Site No. 915053 during the reporting period January 31, 2022 through January 31, 2025, is provided in Attachment A.

B. Effectiveness of the Remedial Program

Progress made during the reporting period toward meeting the remedial objectives for the Site include continued monitoring of the EC, including the landfill cover system. However, following 27 years of monitoring/data collection and with concurrence from NYSDEC, the groundwater monitoring EC at the Site was terminated, and the groundwater monitoring wells at the Site were decommissioned in accordance with the NYSDEC CP-43 guidance document, during the reporting period.

Monitoring data from the work completed to date shows that the remedial program is currently meeting, and has the ability to achieve, the remedial objectives for the Site.

C. Compliance

Minor repairs to the landfill cover were completed during the reporting period. The vegetative cover was also managed (i.e., by cutting annually, or as needed). No other areas of non-compliance with the PCMMP (i.e., as modified by the 2022 Errata sheet) were identified during the reporting period. As such, no steps are currently deemed necessary to correct areas of non-compliance.

D. Recommendations

Since residual contamination remains at the Site, it is recommended that site management requirements be continued to document the on-going effectiveness of the ICs and ECs implemented, and that a PRR covering the period between January 31, 2025 and January 31, 2028 be submitted in March 2028.

II. Site Overview

A. Site Location, Site Features and Nature and Extent of Contamination

The Site is located in the Village of Akron, Erie County, New York and is identified as Section 047.18 Block 1 and Lot 33 on the Erie County Tax Map. The Site is bound by the LVD Strippit Manufacturing Facility followed by Clarence Center Rd. to the north; by a former railroad Right-of-Way (currently the Akron Bike Plath) followed by undeveloped land to the south; by an undeveloped lot to the west; and by a rural residential property to the east. A Site Plan that is included as Figure 2.

The tax parcel on which the Site is located is zoned I2 - General Industrial and the northern portion of the tax parcel is currently utilized for industrial use. The Site consists of approximate 2-acre area located behind (south) of the LVD Strippit manufacturing

facility. The Site was used until 1979 to dispose of various materials including suspected hazardous waste. This former disposal area (defined herein as the Site) is shown on Figure 2.

The operational/disposal history of the Site is included in the document titled *Record of Decision, Houdaille Industrial – Strippit Division Site, Town of Newstead, Erie County, Site Number 9-15-053* dated March 1995 prepared by the NYSDEC (the ROD). The ROD identified:

- firing of machine guns and disposal of scrap metals from approximately 1940 to 1950 during ownership/use by the Buffalo Arms Corporation;
- disposal of about 20,000 gallons of water-based coolant per year and 3 tons/year of heat treat sludge (a hazardous waste as defined in 6NYCRR Part 371 as FO11 Waste) from metal fabrication operations during ownership/use by Houdaille Industries (i.e., starting around 1956);
- approximately 270 gallons/year of waste solvents were also generated. (Note: the ROD states that there are conflicting reports whether or not the waste solvents were used to open burn the solid waste in the disposal area);
- the ash from burning was also disposed of on site; and
- about 216 drums containing heat treat sludge were also reported to be buried (at the Site).

B. Chronology

A chronology of Remedial Actions performed at the Site is presented below.

- During 1979, the disposal area was covered with clean fill from an on-site (manufacturing facility) expansion project.
- Beginning in 1981, several studies were completed by various parties to evaluate the nature and extent of contamination at the Site. The results of these studies are summarized in the ROD.
- In accordance with an Interim Remedial Measure (IRM) work plan dated October 1993 prepared by Day Engineering, P.C. [an affiliate of Day Environmental, Inc. (DAY)], an IRM that generally consisted of the consolidation of waste materials at the Site and the covering of these materials with a composite soil and geomembrane liner was conducted in the summer of 1994. The remedial actions completed during the IRM are further summarized in the ROD.

As presented in the ROD, the remedial goals for the Site include prevention of direct exposure to the wastes and contaminated sediment in the landfill, and reduction of mobility of the landfill contaminants. Generally, remedial processes are considered complete when effectiveness monitoring indicates that the remedy has achieved the remedial action objectives identified by the decision document. The framework for determining when remedial processes are complete is provided in Section 6.6 of NYSDEC DER-10.

III. Evaluation of Remedy Performance, Effectiveness and Protectiveness

A. Summary of the Remedy

The Site remedy included consolidation of waste materials at the Site and the covering of these materials with a composite soil and geomembrane liner.

As documented in the ROD, the Site received a No Further Action designation, however, post-closure monitoring and maintenance was required to evaluate the effectiveness of the IRM. Specific post-closure monitoring and maintenance requirements are described in a document prepared by DAY titled *Post-Closure Monitoring and Maintenance Plan; Interim Remedial Measure; Strippit, Inc.; Akron, New York* dated February 1995 (the PCMMP). The PCMMP was reviewed and approved by the NYSDEC prior to implementation. Modifications to the PCMMP monitoring requirements are summarized below:

- In accordance with a June 24, 1998 letter prepared by the NYSDEC, the frequency of groundwater sampling outlined in the PCMMP was reduced from quarterly to bi-annually. During the remaining two quarters, a limited monitoring event that included the measurement of groundwater levels and field parameters (e.g., pH, specific conductivity, etc.), and completion of a site inspection was conducted.
- In accordance with an August 21, 2002 letter prepared by the NYSDEC, the testing program outlined in the PCMMP was further modified to include in-situ testing of groundwater for the indicator parameters: pH, specific conductance, turbidity and temperature; and testing of groundwater samples by an analytical laboratory for barium, iron, magnesium, manganese and phenols.
- In accordance with a February 10, 2010 letter prepared by the NYSDEC, the frequency of groundwater sampling outlined in the PCMMP was reduced from bi-annually to annually, and the testing program outlined in the PCMMP was further modified to eliminate analytical laboratory testing for phenols. Further, the frequency of the limited monitoring event that included the measurement of groundwater levels and field parameters (e.g., pH, specific conductivity, etc.) and completion of a site inspection was reduced from quarterly to bi-annually (i.e., the groundwater sampling event and one additional event per year).
- In accordance with a May 31, 2022 letter prepared by the NYSDEC, groundwater monitoring/sampling requirements outlined in the PCMMP were terminated (refer to Attachment A). An Errata Sheet, dated June 2022 (revised July 20, 2022) was prepared by DAY to document changes to the site monitoring requirements. The PCMMP Errata Sheet was approved by the NYSDEC in a letter dated July 25, 2022 (refer to Attachment A), and a copy of the PCMMP (including the Errata Sheet) is provided in Attachment B.
- On September 11-12, 2024 five groundwater monitoring wells (designated GW-1 through GW-5) were decommissioned in accordance with NYSDEC CP-43: Groundwater Monitoring Well Decommissioning Policy. Documentation of the decommissioning work is provided in Attachment C.

B. Evaluation of the Remedy

As outlined in Section 3.0 (Maintenance Plan) of the PCMMP (i.e., as modified by the 2022 Errata sheet), the integrity of the cover system is evaluated on a semi-annual basis by observation of the (landfill) cap, particularly side slope areas, for evidence of

sloughing, cracking, erosion, settlement, stressed vegetation, and the presence of seeps. Additionally, the vegetative cover is observed to assure adequate growth, and the drainage ways are observed for evidence of blockage.

The effectiveness of this remedy was evaluated during the reporting period by the completion of semi-annual inspections of the landfill cover system.

- DAY representatives completed semi-annual inspections of the landfill cover system on July 22, 2022, November 28, 2022, May 26, 2023, November 20, 2023, June 26, 2024 and September 12, 2024. Copies of the inspection reports, completed for these semi-annual inspections, are included in Attachment D. Copies of photographs taken during the biannual inspections, illustrating the condition of the landfill cover system, are also included in Attachment D.

IV. IC/EC Compliance Report

A. IC/EC Compliance Report

1. A description of each control, its objective, and how performance of the control is evaluated is provided below.

- Cover system: landfill cap over the former disposal area consisting of multiple layers of soil and a geomembrane liner. The approximate boundary of the former disposal area is depicted on Figure 2.
- Access Control – Access to the site is restricted from Clarence Center Road by the manufacturing facility, and from the adjacent properties located to the easy and west by fencing located along portions of the property boundaries, and by stands of trees/brush located on the adjacent properties. There is no physical barrier or signage along the southern edge of the Site to restrict access to the area of the landfill from the Peanut Line pedestrian path (i.e., that was constructed on the railroad and overhead utility right-of way, and opened for public used starting in 2020.) Note: The construction of the Peanut Line pedestrian path which occurred between 2018 and 2020 did not appear to impact or compromise the cover of the landfill area at the Site.
- Post-Closure Maintenance and Monitoring Plan: The objective of the PCMMP is to manage remaining contamination present at the Site to ensure long term effectiveness of the remedy and to provide early detection should failure occur. The PCMMP includes a Maintenance Plan. (Note: the requirements for groundwater monitoring outlined in the PCMMP were terminated in 2022 with concurrence from NYSDEC and following approximately 27 years of monitoring/data collection and groundwater monitoring wells at the Site were decommissioned on September 11-12, 2024 in accordance with the NYSDEC CP-43 guidance document.) The effectiveness of the controls outlined above is evaluated through monitoring and periodic certification. Controls on the Site include:
  - periodic inspections of the landfill cover and vegetative cover materials;
  - periodic cutting of the vegetive cover on the landfill and from drainage ways located adjacent to the landfill area; and
  - maintenance of the soil cover (i.e., in-place over the geomembrane liner) at the Site, generally on the perimeter slopes of the landfill area, as needed.

2. Status:

   Each control is fully in place, being adhered to, and appears to be effective as of the date of this report.

3. Corrective Measures:

   Based on the findings of landfill cover inspections completed during the previous monitoring period (i.e., the period between January 31, 2019 and January 31, 2022), and at the request of the NYSDEC, vegetation was removed from the drainage ways located to the northwest of the landfill and repairs were made to correct sloughing that had occurred at the northern base of the landfill and cracking that had occurred along north slope of the landfill. Specifically, in May 2022, a contractor retained by Strippit used a small excavator and hand equipment to repair the cracking and areas of sloughing by grading the areas of distress. As necessary, bags of topsoil were used to supplement the existing topsoil (i.e., primarily within areas of cracking). Following the regrading operations, the repaired areas were re-seeded. In conjunction with the repairs to the landfill, the contractor removed vegetation from the detention pond and drainage pathway adjacent to the landfill. On May 26, 2022, a DAY representative visited the Site to observe the repair/removal work. Copies of photographs taken during the May 26, 2022 site visit, documenting the repair and clearing work completed in May 2022, are included in Attachment D.

   During the reporting period, the vegetative cover on the landfill area was cut:

   - At the end of the 2022 growing season (documented in photographs taken during the semi-annual inspection of the landfill cover system completed on November 28, 2022 – refer to Attachment D);
   - At the end of the 2023 growing season (documented in photographs taken during the semi-annual inspection of the landfill cover system completed on November 20, 2023 – refer to Attachment D); and
   - Prior to the monitoring well decommissioning work (documented in photographs taken during the semi-annual inspection of the landfill cover system completed on September 12, 2024 – refer to Attachment C and Attachment D);

   During the reporting period, the drainage way located to the northwest of the landfill area was cleared of vegetation on several occasions:

   - May 2022 (as described above);
   - At the end of the 2023 growing season (documented in photographs taken during the semi-annual inspection of the landfill cover system completed on November 20, 2023 – refer to Attachment D); and
   - Prior to the monitoring well decommissioning work (documented during the semi-annual inspection of the landfill cover system completed on September 12, 2024 – refer to Attachment D);

4. Conclusions and Recommendations for Changes:

   The controls are being effectively implemented as of the date of this report, and no changes are deemed necessary at this time.

B. IC/EC Certification

Certification Statement and forms are included as Attachment E to this report.

V. Monitoring Plan Compliance Report

A. Components

Landfill Inspections: semi-annual inspections are required to ensure the long term effectiveness of the remedy and to provide early detection should failure occur.

B. Summary of the Monitoring Completed

Landfill Inspections: DAY representatives completed semi-annual inspections on July 22, 2022, November 28, 2022, May 26, 2023, November 20, 2023, June 26, 2024 and September 12, 2024. Copies of the inspection forms completed are included in Attachment D. Copies of photographs taken during the semi-annual inspections, illustrating the condition of the landfill cover (i.e., soil and vegetative cover, where applicable), groundwater monitoring wells, gas well, and drainage way area are also included in Attachment D.

C. Comparison with Remedial Objectives

Landfill Inspections: The results of the semi-annual inspections indicate that remedial objectives were achieved during the reporting period. Specifically, the semi-annual inspections revealed that the landfill cover system is intact, and except for the following minor deficiencies, is functioning as designed.

- July 22, 2022: mild, iron-stained seepage was noted in one area on north side of landfill near the asphalt pavement of the access road to facility;
- November 28, 2022: a low, apparent drainage-like channel filled with snow was evident on the northeastern slope of the landfill. However, no water flow observed in this drainage-like channel.
- May 26, 2023: an area of minor erosion was observed near toe of slope on the northeastern side of the landfill in proximity of access road to facility. In addition, two areas of water seepage were observed exiting the northeastern slope of the landfill with slight discharge onto the paved access road and a rust-colored precipitate evident in the standing water.
- November 20, 2023: minor rutting was observed on the northeastern slope of the landfill and possible historic erosion, or rutting from trucks entering the loading dock, was observed near toe of slope on northeastern side of the landfill.
- June 26, 2024: Some rutting along the northeastern slope of the landfill was observed, but evidence of erosion was not observed.
- September 12, 2024: apparent deficiencies were not noted.

D. Monitoring Deficiencies

There are no monitoring deficiencies identified at this time.

E. Conclusions and Recommendations for Changes

The semi-annual inspections confirmed that the remedial systems for the Site are functioning properly, and effective in achieving their intended objectives. No changes to the landfill inspection scope or frequency are recommended at this time.

VI. Overall PRR Conclusions and Recommendations

A. Compliance with PCMMP

The requirements identified in the PCMMP (as modified by the 2022 Errata Sheet) were met during the reporting period.

B. Performance and Effectiveness of the Remedy

An evaluation of the components of the SMP during the reporting period indicates that:

- the IC/EC controls are protective of human health and the environment;
- the monitoring plan sufficiently monitors the performance of the remedies implemented; and
- the remedial program is achieving the remedial goals identified for the Site.

C. Future Submittals

The requirements for site closure have not been achieved. As such, it is recommended that site management continue. A PRR covering the period between January 31, 2025 and January 31, 2028 should be submitted to NYSDEC in March 2028.

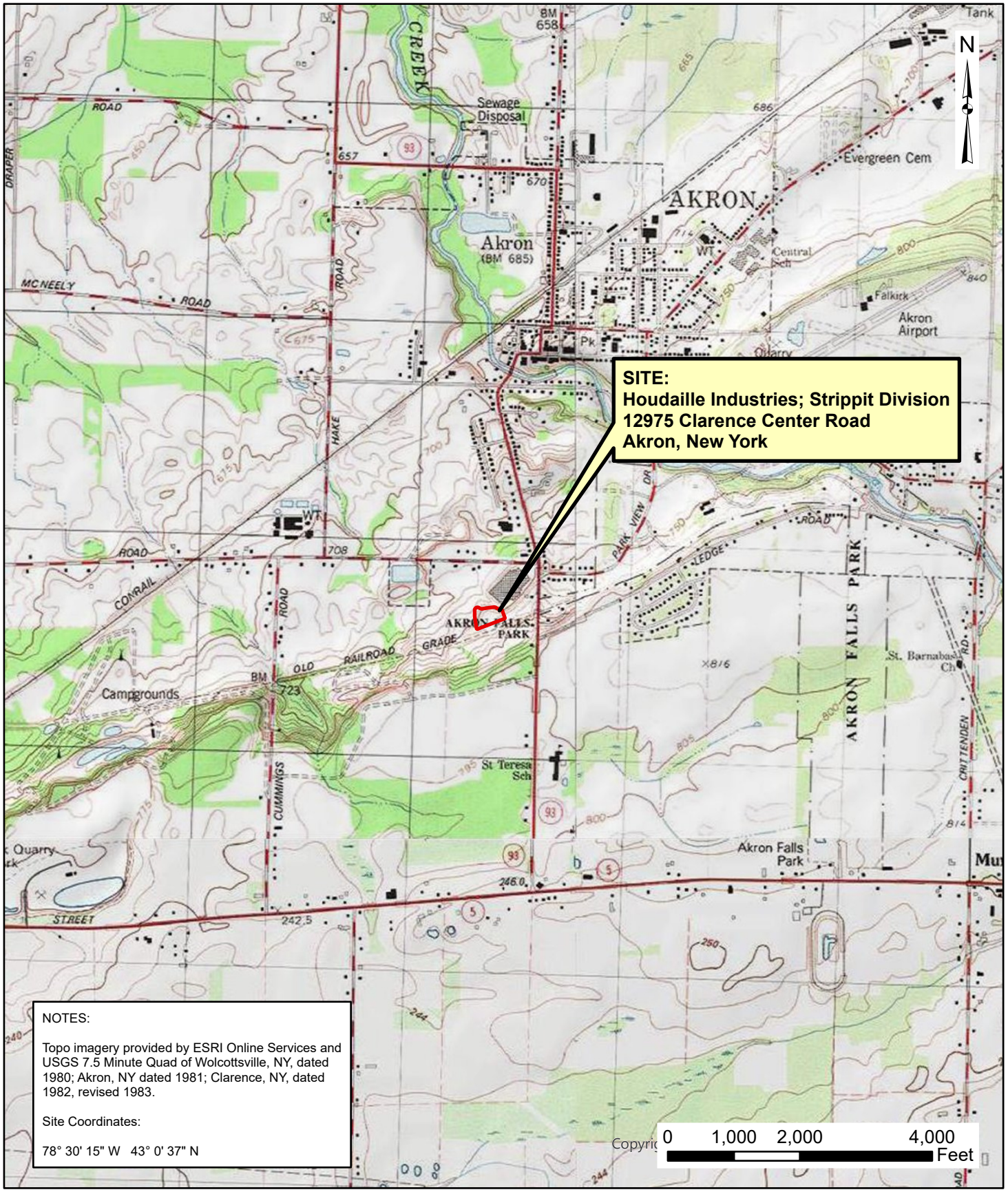
PERIODIC REVIEW REPORT
REPORTING PERIOD JANUARY 31, 2022 THROUGH JANUARY 31, 2025

12975 CLARENCE CENTER ROAD
AKRON, NEW YORK
NYSDEC SITE NO. 915053

FIGURES

ATTACHMENTS

FIGURES



NOTES:

Topo imagery provided by ESRI Online Services and USGS 7.5 Minute Quad of Wolcottsville, NY, dated 1980; Akron, NY dated 1981; Clarence, NY, dated 1982, revised 1983.

Site Coordinates:

78° 30' 15" W 43° 0' 37" N

Date: 02-25-2025 Drawn By: CPS/CAH Scale: AS NOTED	**DAY ENVIRONMENTAL, INC.** **Environmental Consultants** **Rochester, New York 14606**	Project Title: HOUDAILLE INDUSTRIES; STRIPPIT DIVISION 12975 CLARENCE CENTER ROAD AKRON, NEW YORK PERIODIC REVIEW REPORT Drawing Title: Project Locus Map	Project No. 6234R-25 FIGURE 1

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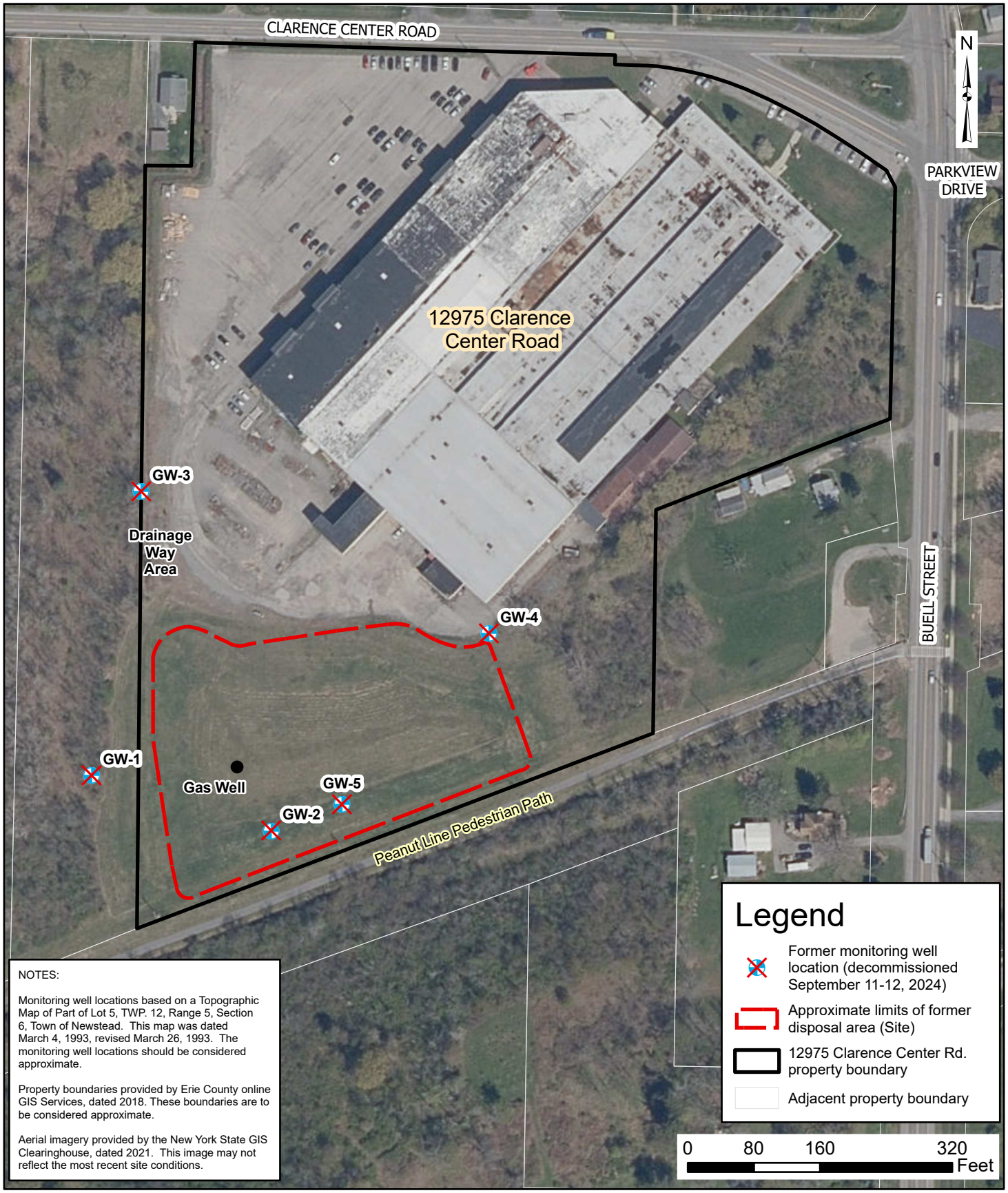

NOTES:

Monitoring well locations based on a Topographic Map of Part of Lot 5, TWP. 12, Range 5, Section 6, Town of Newstead. This map was dated March 4, 1993, revised March 26, 1993. The monitoring well locations should be considered approximate.

Property boundaries provided by Erie County online GIS Services, dated 2018. These boundaries are to be considered approximate.

Aerial imagery provided by the New York State GIS Clearinghouse, dated 2021. This image may not reflect the most recent site conditions.

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Scale	AS NOTED

DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606

Project Title
HOUDAILLE INDUSTRIES; STRIPPIT DIVISION
12975 CLARENCE CENTER ROAD
AKRON, NEW YORK

PERIODIC REVIEW REPORT

Drawing Title
Site Plan

Project No.
6234R-25

FIGURE 2

ATTACHMENT A

CORRESPONDENCE WITH NYSDEC DURING THE REPORTING PERIOD REGARDING SITE NO. 915053

MAY 18, 2022 REQUEST TO CEASE POST-CLOSURE GROUNDWATER MONITORING

day
DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

May 18, 2022

Megan Kuczka
Environmental Program Specialist-1
New York State Department of Environmental Conservation
Division of Environmental Remediation
270 Michigan Avenue,
Buffalo, New York

RE: Post-Closure Groundwater Monitoring
NYSDEC Site No. 915053
Houdaille Industrial - Strippit Division
12975 Clarence Center Road
Akron, New York

Dear Ms. Kuczka:

Day Environmental, Inc. (DAY) prepared the following document on behalf of LVD Strippit (i.e., formerly Strippit, Inc.) to petition the New York State Department of Environmental Conservation (NYSDEC) to cease further groundwater monitoring activities at 12975 Clarence Center Road in Akron, New York (the Site) related to NYSDEC Site No. 915053. A Locus Plan is included as Figure 1.

Background

Prior to 1979 when disposal ceased, an approximate 2-acre area on the Site was used to dispose of various materials including suspected hazardous waste. As a result, the NYSDEC listed the disposal area as an in-active hazardous waste site (NYSDEC Site No. 915053). This former disposal area is shown on Figure 2.

Various studies were completed to evaluate that nature and extent of contamination, and to develop/implement an Interim Remedial Measure (IRM). This IRM was completed in 1994 and it included the consolidation of waste materials and the covering of these waste materials with a composite soil/geomembrane cover (landfill cap).

The selected remedy for NYSDEC Site No. 915053 is No Further Action, as stated in the Record of Decision (ROD) issued in March 1995 by the NYSDEC in the document titled, *Record of Decision Houdaille Industrial - Strippit Division Site, Town of Newstead, Erie County, Site Number 9-15-053*. As stated in Section 7 of the ROD (i.e., Summary of the Selected Remedy), "*The selection of this remedial alternative is based upon the IRM conducted at this site. During the IRM contaminated soil/sediments from the drainage ditches were removed, thereby, eliminating any potential for direct contact to humans and animals. Some of the onsite groundwater monitoring wells showed contamination for parameters such as aluminum, barium, iron, magnesium, and phenols. With the landfill cap in place, the infiltration into the landfill will be greatly reduced, thus eliminating the "perched" water conditions and hence*

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reducing the possibility of leachate releases and groundwater contamination. The long term groundwater monitoring plan will determine the effectiveness of the selected remedy by determining if capping has in fact adequately controlled the groundwater contaminants. At present, no other uncontrolled sources of contamination are known at this site. Therefore, the No Further Action alternative is selected for the Houdaille industrial-Strippit site."

Subsequently, a post-closure monitoring program consisting of site inspections to evaluate the condition of the landfill cover and groundwater monitoring to assess the effectiveness of the IRM was implemented beginning in 1995. The post-closure monitoring has been on-going on a routine basis since 1995, with reports submitted to the NYSDEC periodically. The most recent report, title *Periodic Review Report, February 1, 2019 Through January 31, 2022, Strippit, Inc., Akron, New York, NYSDEC Site Number: 915053,* dated February 2022 (Revised March 2022) (i.e., 2019-2022 PRR), describes subsequent modifications to the scope of the post-closure monitoring program (i.e., proposed by DAY and accepted by the NYSDEC).

The current post-closure groundwater monitoring program consists of:

1. bi-annual measurement of groundwater levels and field parameters (i.e., pH, specific conductance, turbidity and temperature) in five monitoring wells (designated GW-1 through GW-5); and
2. annual collection of groundwater samples from monitoring wells GW-1 through GW-5, and testing by an analytical laboratory of each sample for (total) barium, iron, magnesium, and manganese.

Based on measurements collected during various seasons over a 31-year period (i.e., since May 1990, when monitoring wells GW-1 through GW-4 were installed), monitoring wells GW-2 and GW-5 are located in hydraulically upgradient positions and the remaining monitoring wells (GW-1, GW-3 and GW-4) are located in hydraulically downgradient positions at the Site. [Note GW-5 was installed in February 1993]. The approximate locations of GW-1 through GW-5 are depicted on Figure 2.

Effectiveness Monitoring and Trend Analysis

As outlined Section 6.2.2 (c) in Chapter 6 (Site Management, Periodic Review and Closeout) of the NYSDEC Guidance Document titled, *DER-10 / Technical Guidance for Site Investigation and Remediation*, Dated May 3, 2010 (DER-10), effectiveness monitoring "*is the periodic chemical and physical analysis of media of concern to determine and/or confirm that the remedial action objectives are being achieved when compared to data obtained from the investigation, implementation and previous monitoring of the remedy."* Further, DER-10 states: *"Trend monitoring is conducted once there is sufficient quality data to develop an understanding of the effectiveness of the remedy in addressing the exposures presented at the site and to begin to identify any trend(s) with regard to the achievement of remedial objectives.*"

Graphic representations of historic variations in concentrations of total barium, total iron, total magnesium, and total manganese were included in the 2019-2022 PRR. This data is also presented here-in, as Figure 3 though Figure 6 (respectively), with the inclusion of liner trend lines for the purpose of statistical estimation of the long term trends in the data collected. The concentrations presented in these graphs represent analytical laboratory results for groundwater samples collected from monitoring wells GW-1 through GW-5 between April 1995 and October 2021. [Note: except for the concentration of total barium (i.e., 0.188 mg/l) detected in the groundwater sample collected from monitoring well GW-2 on January 15, 2014, total barium has not been detected (i.e., at concentrations above the detection limits utilized by the analytical laboratory) in groundwater

samples collected from the Site since January 12, 2012. Thus, the trendlines calculated for the barium concentrations presented on Figure 3 were calculated for data collected between April 1995 and January 2012.]

As indicated by Figure 3, a decreasing trend is apparent in the concentrations of total barium measured in downgradient monitoring wells (i.e., GW-1, GW-3 and GW-4) between April 1995 and January 2012.

As indicated by Figure 4, a decreasing trend is apparent in the concentrations of total iron measured in downgradient monitoring wells between April 1995 and October 2021.

As indicated by Figure 5, a decreasing trend is apparent in the concentrations of total magnesium measured in downgradient monitoring wells between April 1995 and October 2021.

As indicated by Figure 6, a decreasing trend is apparent in the concentrations of total manganese measured in downgradient monitoring wells between April 1995 and October 2021.

The long-term downward trends in the concentrations of total barium, total iron, total magnesium, and total manganese measured in downgradient monitoring wells at the Site support the effectiveness of the remedy prescribed in the ROD and indicate that the actions completed during the IRM (i.e., capping of the landfill area) have controlled the release of contaminants to groundwater below the Site.

Remedial Process Closure

As outlined Section 6.4 (a) of DER-10, *"A remedial process is considered completed when effectiveness monitoring indicates that the remedy has achieved the remedial action objectives identified by the decision document."* The effectiveness monitoring at the Site was not conducted to monitor an active remedial process, rather the effectiveness of a physical barrier (i.e., landfill cap). The trends in the concentrations of total barium, total iron, total magnesium, and total manganese measured in downgradient monitoring wells measured over a period of approximately 26.5 years are sufficient to demonstrate that the landfill cap has been (and is likely to continue to be) effective in controlling the release of contaminants to groundwater below the Site.

Based on the above considerations, it is recommended that the current post-closure groundwater monitoring program (i.e., outlined above) be terminated immediately, and that the site management program be reduced in scope to include monitoring and maintenance of the engineering controls that have been developed for the Site.

If there are questions regarding this submittal, please contact this office.

Very truly,
Day Environmental, Inc.

Charles Hampton
Project Geologist

Raymond L. Kampff
Principal

Enclosure

Figures:

Figure 1 – Project Locus Map

Figure 2 – Site Plan

Figure 3 – Total Barium in Groundwater Samples April 1995 through January 2012 and Liner Interpolation of Long-Term Trends

Figure 4 – Total Iron in Groundwater Samples April 1995 through October 2021 and Liner Interpolation of Long-Term Trends

Figure 5 – Total Magnesium in Groundwater Samples April 1995 through October 2021 and Liner Interpolation of Long-Term Trends

Figure 6 – Total Manganese in Groundwater Samples April 1995 through October 2021 and Liner Interpolation of Long-Term Trends

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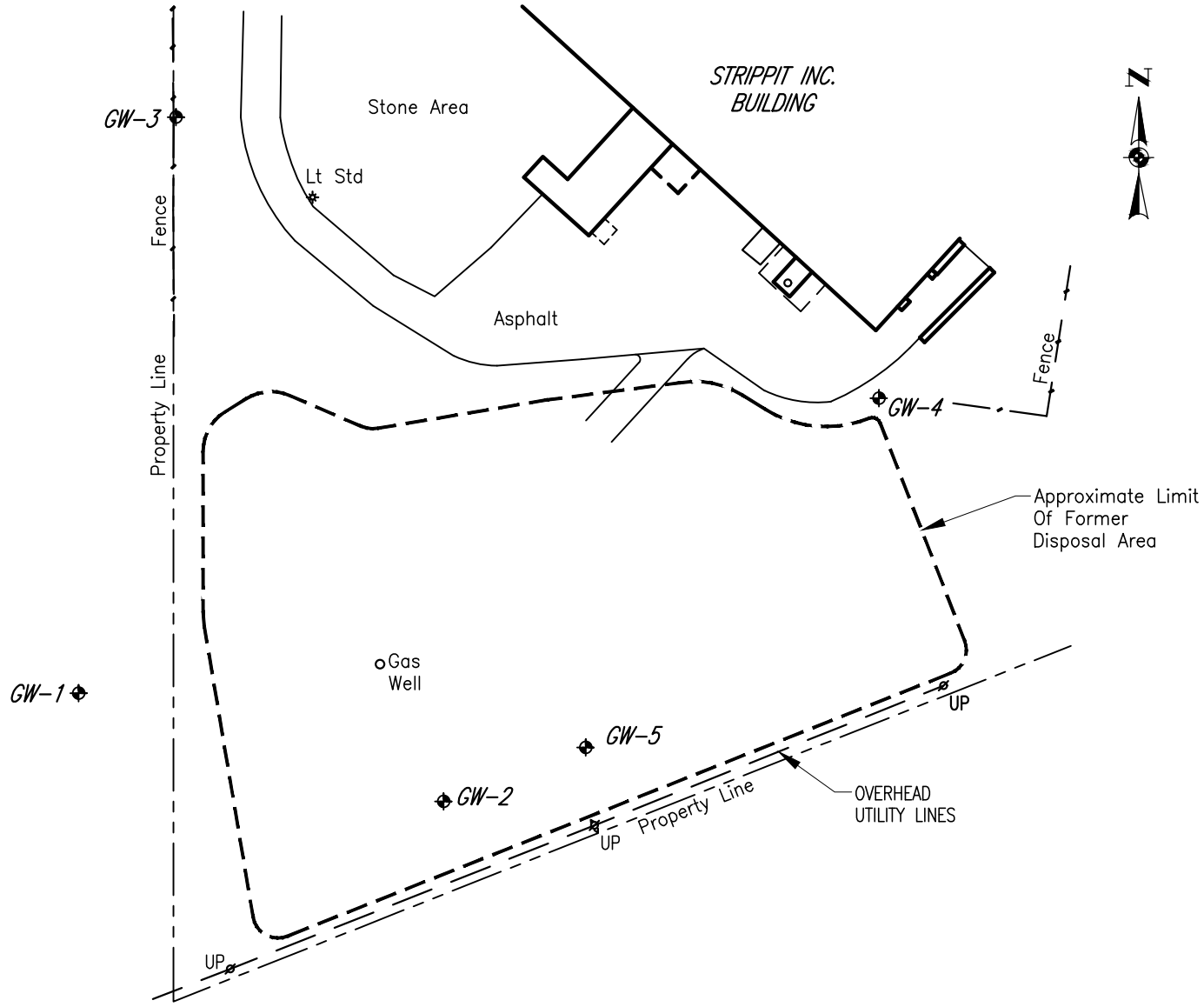
FIGURES



NOTES:

1. This drawing produced from a drawing provided by Deborah A. Naybor, PLS, PC. entitled "Topographic Map Of Part Of Lot 5, TWP. 12, Range 5, Section 6, Town Of Newstead, County Of Erie, New York" dated 3/4/93 & revised 3/26/93.

2. No boundary survey was performed by Deborah A. Naybor, PLS, PC.

LEGEND:

GW-1 — Monitoring Well Designation

o — Existing Gas Well

— — — — Approximate Limits Of Former Disposal Area

DATE: 2-16-2022 DRAWN BY: RJM/CAH SCALE: 1" = 100'	day DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK 14606 NEW YORK, NEW YORK 10170	PROJECT TITLE STRIPPIT, INC. 12975 CLARENCE CENTER ROAD AKRON, NEW YORK DRAWING TITLE Site Plan	PROJECT NO. 5917R-22 FIGURE 2

Figure 3

12975 Clarence Center Road
Akron, New York
NYSDEC Site #915053

Summary of Detected Barium (total) - Groundwater Samples - April 1995 through January 2012 - and Liner Interpolation of Long-Term Trends

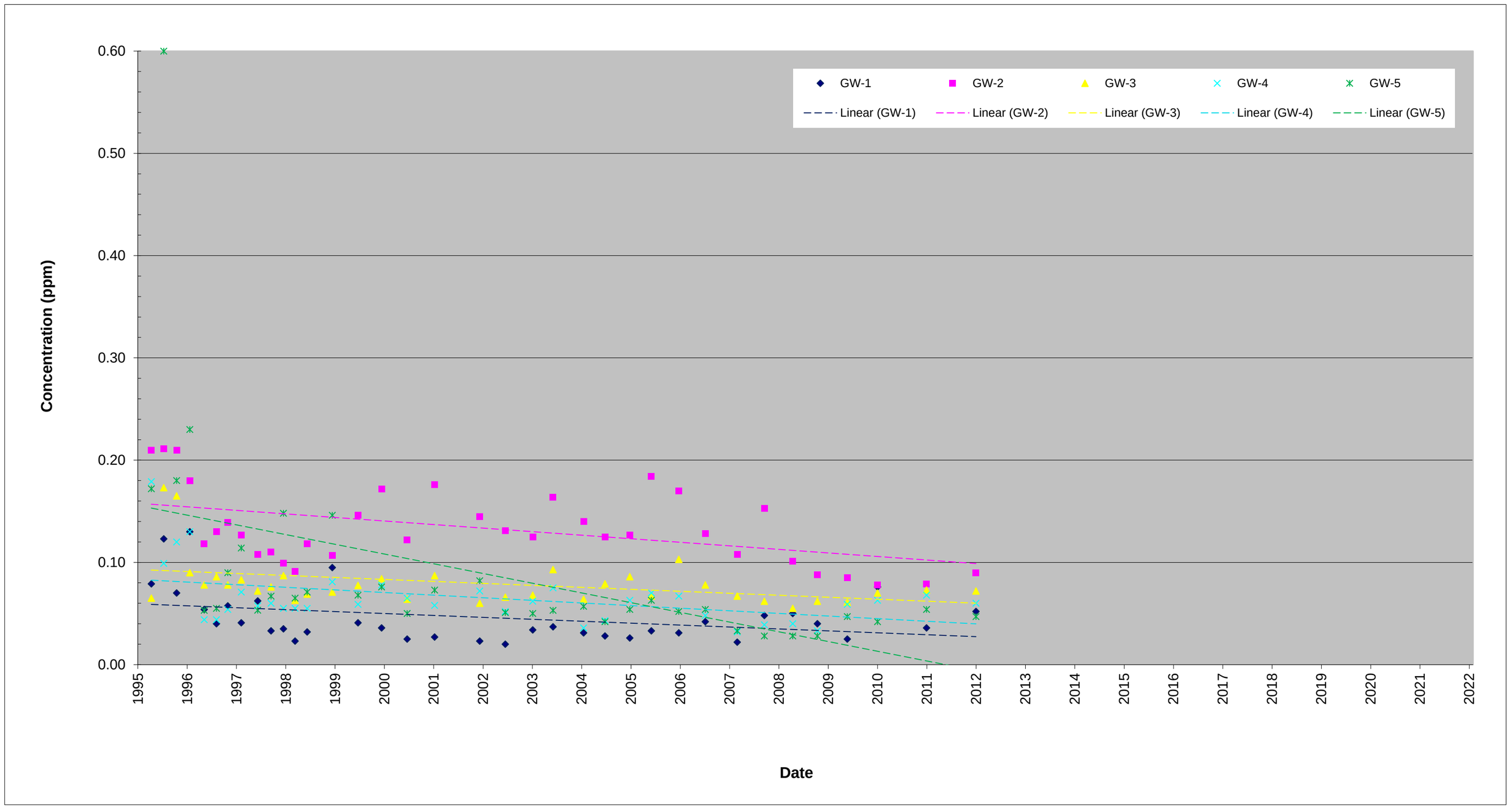


Figure 4

12975 Clarence Center Road
Akron, New York
NYSDEC Site #915053

Summary of Detected Iron (total) - Groundwater Samples - April 1995 through October 2021 - and Liner Interpolation of Long-Term Trends

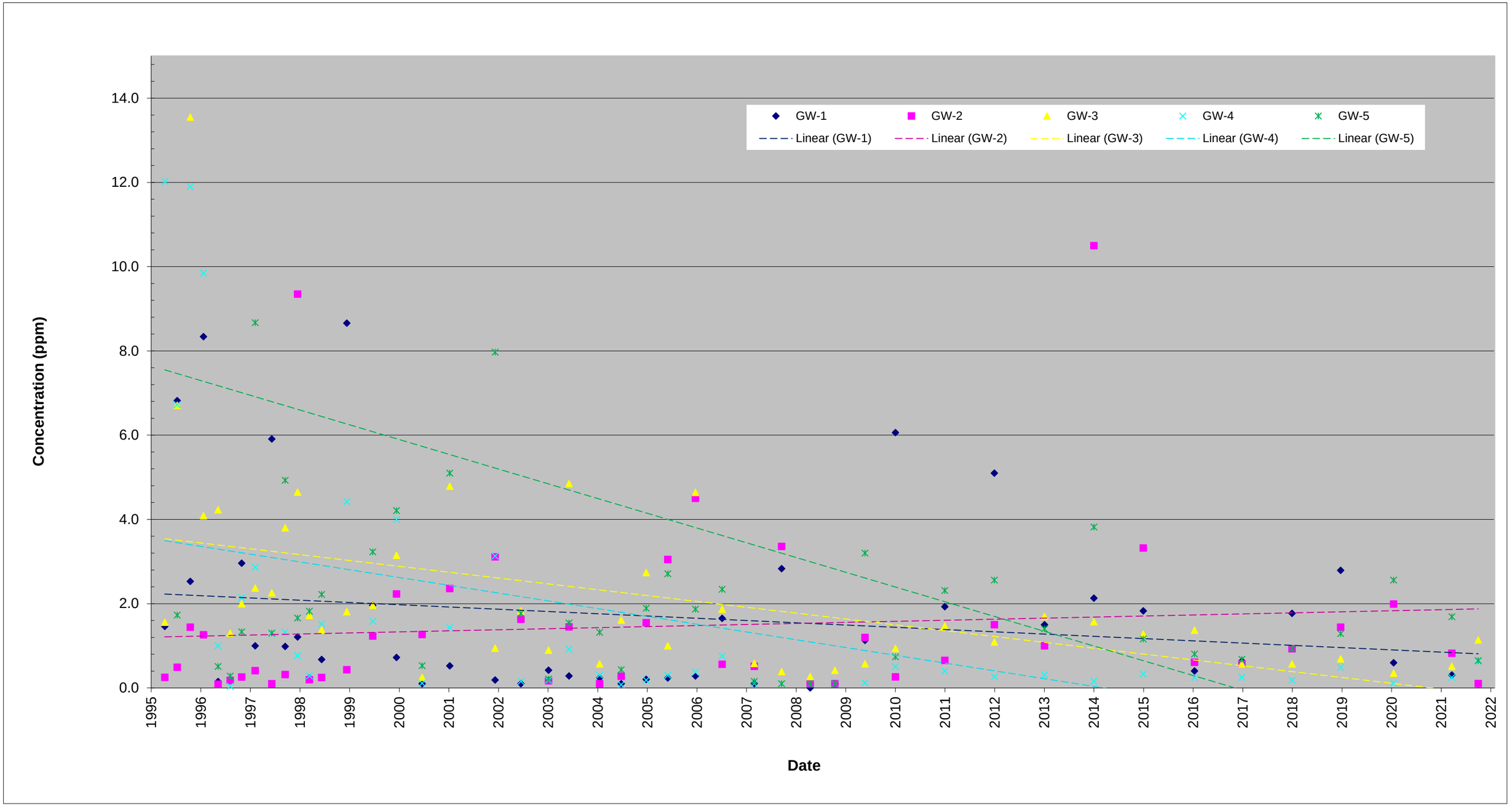


Figure 5

12975 Clarence Center Road
Akron, New York
NYSDEC Site #915053

Summary of Detected Magnesium (total) - Groundwater Samples - April 1995 through October 2021 - and Liner Interpolation of Long-Term Trends

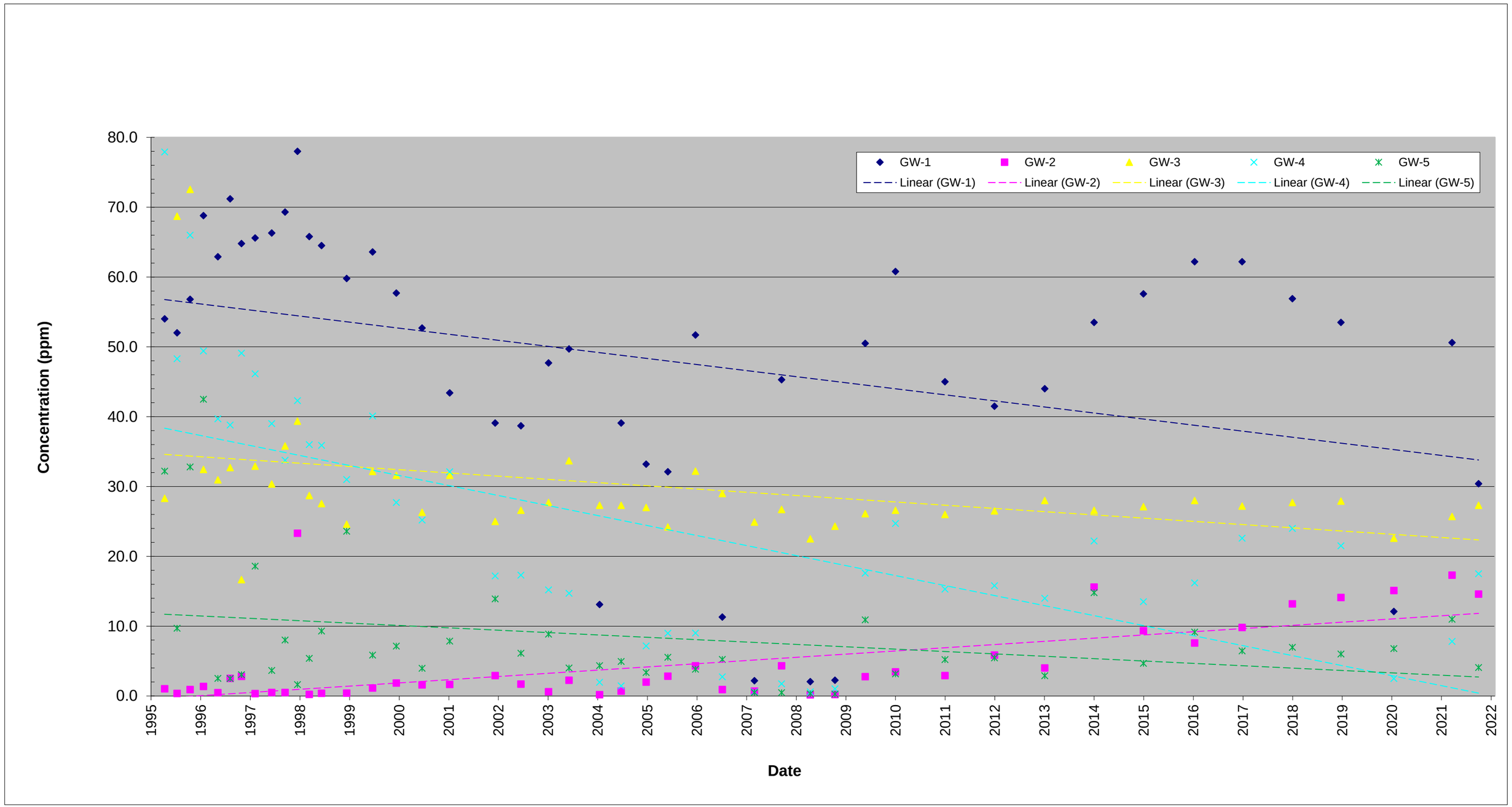
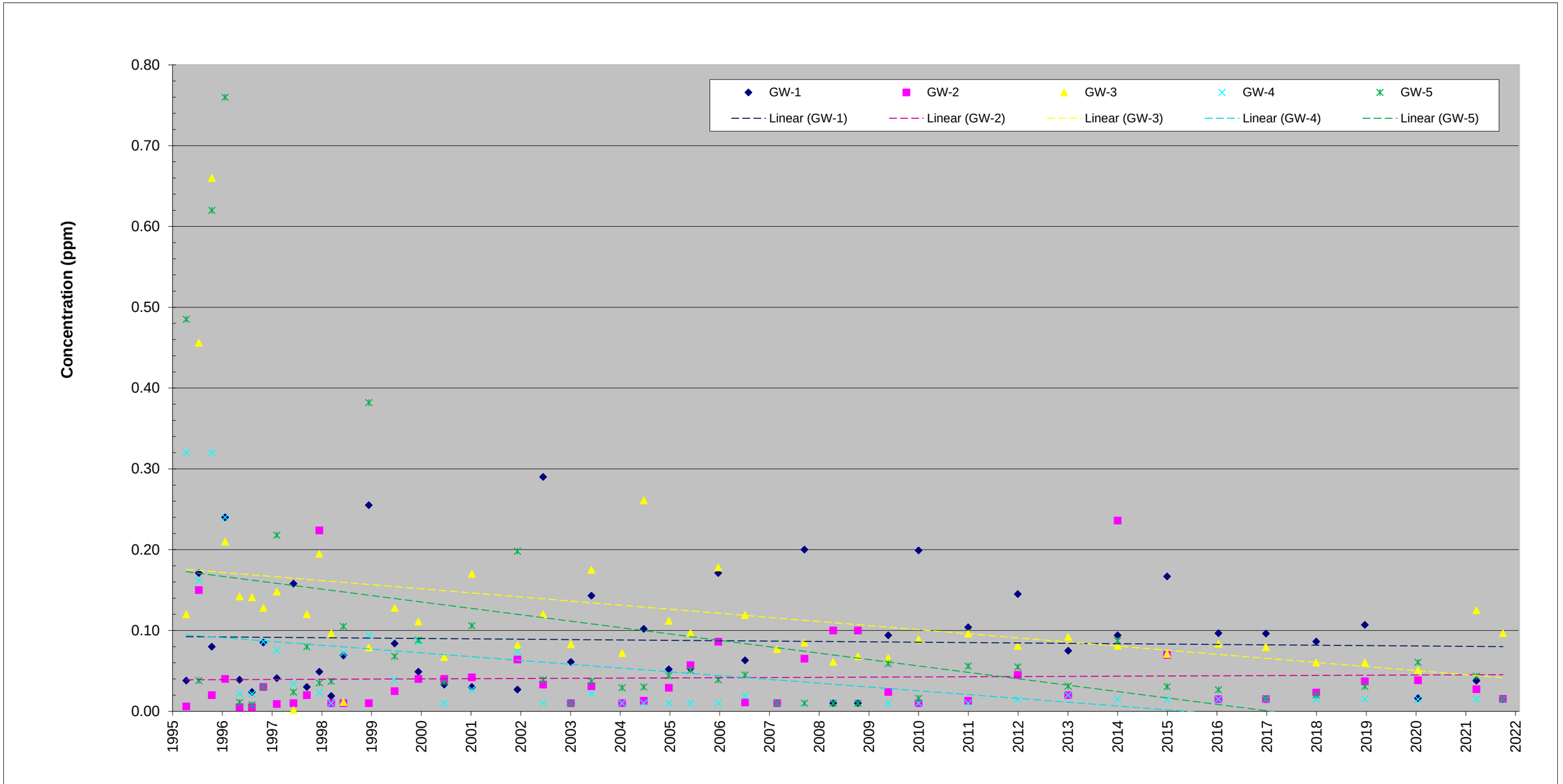


Figure 6

12975 Clarence Center Road
Akron, New York
NYSDEC Site #915053

Summary of Detected Manganese (total) - Groundwater Samples - April 1995 through October 2021 - and Liner Interpolation of Long-Term Trends



MAY 31, 2022 ACCEPTANCE FOR CESSATION OF POST-CLOSURE GROUNDWATER MONITORING

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation
700 Delaware Avenue, Buffalo, NY 14209
P: (716) 851-7220| F: (716) 851-7226
www.dec.ny.gov

May 31, 2022

Sarah Miller
Strippit Inc.
12975 Clarence Center Road
Akron, NY 14001

Re: Site Management (SM) –
Post-Closure Groundwater Monitoring
Cessation Proposal
Houdaille Industries; Strippit Division, Akron
Erie County, Site No.: **915053**

Dear Sarah Miller (as the Certifying Party):

The Department has reviewed and hereby accepts your proposal to terminate onsite groundwater sampling per your May 18, 2022 Cessation Proposal Letter. The remaining monitoring wells will need to be decommissioned per CP-43 and detailed within the next Periodic Review Report (PRR).

Additionally, cessation of groundwater sampling will need to be detailed within the revised Post-Closure Monitoring and Maintenance Plan (requested within the April 1, 2022 PRR Acceptance Letter). Please submit the revised document by July 1, 2022 to the Department for review.

If you have any questions, please contact me at 716-851-7220 or email: megan.kuczka@dec.ny.gov.

Sincerely,

Megan Kuczka
Environmental Program Specialist – 1

ec: Andrea Caprio – NYSDEC
Taylor Monnin – NYSDEC
Johnathan Robinson – NYSDOH
Charlotte Bethoney – NYSDOH
Charles Hampton – Day Environmental Inc.
Ray Kampff – Day Environmental Inc.
Ray Chojnowksi – Strippit Inc.

JULY 25, 2022 ACCEPTANCE OF POST-CLOSURE MONITORING AND MAINTENANCE ERRATA SHEET

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 9
700 Delaware Avenue, Buffalo, NY 14209
P: (716) 851-7220 | F: (716) 851-7226
www.dec.ny.gov

July 25, 2022

Sarah Miller
Strippit Inc.
12975 Clarence Center Road
Akron, NY 14001

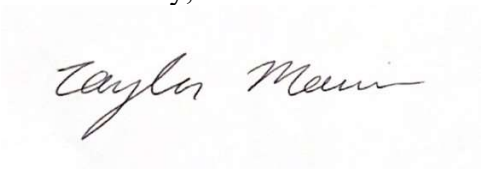
Re: Site Management (SM) –
Revised Post-Closure Monitoring and Maintenance Plan
Houdaille Industries; Strippit Division, Akron
Erie County, Site No.: **915053**

Dear Sarah Miller (as the Certifying Party):

The Department has reviewed and hereby accepts the revised Post-Closure Monitoring and Maintenance Plan, dated July 20, 2022.

If you have any questions, please contact me at (716) 851-7220 or e-mail: taylor.monnin@dec.ny.gov.

Sincerely,



Taylor Monnin
Assistant Engineer

ec: Andrea Caprio - NYSDEC
Johnathan Robinson – NYSDOH
Charlotte Bethoney – NYSDOH
Ray Kampff – Day Environmental, Inc.
Charles Hampton – Day Environmental, Inc.
Ray Chojnowski – Strippit Inc.

FEBRUARY 2024 CORRESPONDENCE REGARDING MONITORING WELL DECOMMISSIONING SCOPE

Monnin, Taylor J (DEC)

From: Monnin, Taylor J (DEC)
Sent: Wednesday, February 28, 2024 3:27 PM
To: Ray Kampff
Subject: RE: Strippit Monitoring Well Closure: NYSDEC Site No. 915053

Thank you Ray

Taylor J. Monnin
she/her/hers
Assistant Engineer (Environmental), Division of Environmental Remediation

New York State Department of Environmental Conservation
700 Delaware Avenue, Buffalo, NY 14209
P: (716) 851-7220 | F: (716) 851-7226 | taylor.monnin@dec.ny.gov
www.dec.ny.gov |

From: Ray Kampff <RKampff@daymail.net>
Sent: Wednesday, February 28, 2024 11:13 AM
To: Monnin, Taylor J (DEC) <Taylor.Monnin@dec.ny.gov>
Cc: Caprio, Andrea (DEC) <Andrea.Caprio@dec.ny.gov>
Subject: RE: Strippit Monitoring Well Closure: NYSDEC Site No. 915053

Taylor

Following authorization by Strippit, the monitoring wells will be decommissioned in accordance with CP-43 by grouting in-place, removing the steel protective stick-up casing and the top 5 feet of the PVC well casing, and backfilling the upper 5 feet with soil to match existing conditions. However, monitoring wells GW-2 and GW-5 penetrate the landfill cap, and removing the protective casing and upper 5 feet of well casing would jeopardize the integrity of the landfill cap. As such, these monitoring wells will be grouted such that the seal extends to the ground surface and the well and protective casings that extend above the ground surface will remain in place.

FYI- Sarah Miller is no longer at Strippit. Our current contact is Gregory Thurn Gregory.Thrun@lvdgroup.com

Please contact me with questions.

Ray

From: Monnin, Taylor J (DEC) <Taylor.Monnin@dec.ny.gov>
Sent: Tuesday, February 27, 2024 4:11 PM
To: Ray Kampff <RKampff@daymail.net>

Cc: Caprio, Andrea (DEC) <Andrea.Caprio@dec.ny.gov>; sarah.n.miller@lvdgroup.com
Subject: RE: Strippit Monitoring Well Closure: NYSDEC Site No. 915053

Ray,

The Department has reviewed your request to abandon the monitoring wells on the Houdaille Industries; Strippit Division site (915053). The Department has determined the proposed closure method of abandoning the remaining onsite monitoring wells is not acceptable. Please decommission the remaining monitoring wells in accordance with CP-43 as detailed in the Post-Closure Groundwater Monitoring Cessation Proposal response letter dated May 31, 2022.

Please let me know if you have any questions.

Thank you,
Taylor

Taylor J. Monnin
she/her/hers
Assistant Engineer (Environmental), Division of Environmental Remediation

New York State Department of Environmental Conservation
700 Delaware Avenue, Buffalo, NY 14209
P: (716) 851-7220 | F: (716) 851-7226 | taylor.monnin@dec.ny.gov
www.dec.ny.gov |

From: Ray Kampff <RKampff@daymail.net>
Sent: Friday, February 9, 2024 1:08 PM
To: Monnin, Taylor J (DEC) <Taylor.Monnin@dec.ny.gov>
Subject: Strippit Monitoring Well Closure: NYSDEC Site No. 915053

Taylor

As indicated in the attached letter, the monitoring wells at the above-referenced site need to be closed prior to the submittal of the next Periodic Review Report that is due by March 2, 2025 2025. The five monitoring wells at the site (designated GW-1 through GW-5) are all 'stick-up' wells with a 4-inch diameter steel protective casing extending between about 3 and 4 feet above the ground surface. Currently, all the steel casings are locked and in good condition. Two of the monitoring wells (i.e., GW-2 and GW-5) are installed through the landfill cover (i.e., penetrating the soil and underlying geomembrane cover system), and the remaining monitoring wells are near the perimeter of the landfill. The monitoring wells range in depth between 50 feet below ground surface (fbgs) and 55 fbgs. A Site Plan showing the location of the monitoring wells and copies of the monitoring well installation logs are included as Attachment A.

Due to the depth of the monitoring wells and their location on and in proximity of the closed landfill, an alternative to abandoning these monitoring wells in accordance with procedures outlined in CP-43 is requested. Specifically, it is

requested that the monitoring wells be closed by welding the steel casing cover shut so that the monitoring wells cannot be accessed. The integrity of the protective casing would be monitored and documented semi-annually, and the results summarized in the Period Review Rports submitted for this site.

Please let me know if this closure method is acceptable and contact me if you have questions.

Thanks-Ray

JUNE 5, 2024 NOTIFICATION OF NYSDEC PROJECT MANAGER CHAGE FOR SITE 915053

NYSDEC Site 915053, Houdaille Industries Strippit Division

Reply | Reply All | Forward | ...

Demo, Bradley W (DEC) <Bradley.Demo@dec.ny.gc
To gregory.Thurn@lvdgroup.com
Cc Ray Kampff; Monnin, Taylor J (DEC); Charles Hampton

Wed 6/5/2024 1:49 PM

If there are problems with how this message is displayed, click here to view it in a web browser.

email.Decomission_Wells.2.28.2024.pdf
317 KB

[USE CAUTION: This email originated from outside of the organization]

Gregory,

I'm writing to inform you that I have taken over as NYSDEC Project Manager for site 915053. Going forward, please send all site related correspondence to me. Based on the attached correspondence we are wondering if the required decommissioning of the 5 monitoring wells onsite ever took place. Please advise, and if you have any other questions let me know. If you could acknowledge receipt of this email I would appreciate it.

Thank you,
Brad

Bradley Demo
Environmental Program Specialist 1
Division of Environmental Remediation

New York State Department of Environmental Conservation
700 Delaware Ave. Buffalo, NY 14209
P: (716) 851-7139| F: (716) 851-7226
bradley.demo@dec.ny.gov

ATTACHMENT B

ERRATA SHEET AND POST-CLOSURE MONITORING AND MAINTENANCE PLAN

ERRATA SHEET

POST-CLOSURE MONITORING AND MAINTENANCE PLAN
INTERIM REMEDIAL MEASURE
STRIPPIT, INC.
AKRON, NEW YORK

NYSDEC Site # 915053

I, Raymond L. Kampff, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Errata Sheet for the February 1995 Post-Closure Monitoring and Maintenance Plan was prepared in accordance with applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

Raymond L. Kampff, PG
Day Environmental, Inc.

ERRATA SHEET

POST-CLOSURE MONITORING AND MAINTENANCE PLAN
INTERIM REMEDIAL MEASURE
STRIPPIT, INC.
AKRON, NEW YORK

JUNE 2022 (Revised July 20, 2022)

Title Page

- Preparers address updated to read, "1563 Lyell Avenue, Rochester, New York 14606"

Section 1.0 INTRODUCTION

- Insert new paragraph to read, "***Subsequent to the preparation of the Post-Closure Monitoring and Maintenance Plan (PCMMP) in February 1995, the NYSDEC and NYSDOH developed policies, procedures and guidance for sampling, analysis and assessment that are currently requirements for monitoring of environmental media. While it is not anticipated that such policies, procedures and guidance will be necessary for the continued monitoring/maintenance of the landfill cover at the Site, the NYSDEC guidance document DER-10 (i.e., Technical Guidance for Site Investigation and Remediation, dated May 3, 2010), current NYSDEC guidelines for sampling, analysis, and assessment of per- and polyfluoroalkyl substances (PFAS), and current NYSDOH air monitoring procedures will be adhered to, when applicable.*** "

- Insert new paragraph to read, "***At the time of the preparation of this errata sheet, the Site is maintained as a closed landfill. Except for periodic cutting of the vegetive cover on the landfill and periodic inspections of the landfill cover materials, the Site is not utilized or entered by Strippit LVD personnel or the public. A manufacturing facility (i.e., owned and operated by Strippit, Inc.) is located adjacent to the north of the Site, and shares the approximate 16.09 acre tax parcel (Erie County ID 47.18-1-33) with the Site. A public pedestrian path, constructed between 2018 and 2020 on a former railroad ROW, is located adjacent to the south of the Site. Rural residential properties are located adjacent to the east and to the west of the Site.***"

- Insert new paragraph to read, "***Groundwater sampling associated with NYSDEC Site 915053 began in May 1990 with the installation of monitoring wells GW-1 through GW-4. Following the IRM work (described above) and development of the PCMMP, groundwater monitoring was conducted in accordance with the provisions outlined in Section 2 between April 1995 and June 1998, when the frequency of groundwater sampling outlined in the PCMMP was reduced from quarterly to semi-annually. The groundwater monitoring program was further modified between January 2003 and January 2010 to include testing for the indicator parameters pH, specific conductance, turbidity and temperature; total metals, including barium, iron, magnesium, and manganese; and total phenols. Starting in January 2011 and continuing on a semi-annual basis through October 2021 the groundwater monitoring program continued without testing for total phenols. On May 31, 2022 the NYSDEC issued a letter agreeing to the proposal by the Certifying Parties to terminate the groundwater monitoring program at the Site.***"

Section 1.1 SITE HISTORY

- 1st Paragraph, 1st Sentence – modified to read, "The approximately ***2.5***- acre disposal area is located in the southwest corner of the Strippit property (see Figure 2, Site Plan)"

Section 2.0 GROUNDWATER MONITORING: **Redacted**

Section 2.1 Previous Testing: **Redacted**

Section 2.2 Post-Closure Test Parameters: **Redacted**

Section 2.3 Sampling Frequency: **Redacted**

Section 2.4 Sampling Procedures: **Redacted**

Section 2.5 QA/QC Samples: **Redacted**

Section 2.6 Reporting: **Redacted**

Section 3.0 MAINTENANCE PLAN

- 1st Paragraph, 1st Sentence – modified to read, "The integrity of the cover system will be evaluated ***on a semi-annual basis***."
- 1st Paragraph, 4th Sentence – modified to read, "Since a crown vetch cover is planned for the Site, it is not expected that maintenance of the vegetative cover will be required ***other than semi-annual or annual mowing of the vegetative cover.***"
- 2nd Paragraph – **Redacted**
- Insert new paragraph to read, "***The results of the semi-annual monitoring and the resolution of problems noted (if any) will be submitted to NYSDEC in a Periodic Review Report, which will be prepared in accordance with guidance outlined in Section 6.3(b) of the NYSDEC DER-10 guidance document (issued May 3, 2010) and submitted to the Department at the conclusion of each reporting period. Observations of the cover system for evidence of sloughing, cracking, erosion, settlement, stressed vegetation and seeps will also be documented with photos that are incorporated into the corresponding periodic review reports. The current reporting period frequency for the Site is every three years.***

Section 3.1.2 Cracks

- 2nd Paragraph, 3rd Sentence – modified to read, "Larger cracks that appear to extend into the compacted barrier soil will be filled with low permeability soil ***that has been imported from an NYSDEC approved source***, covered with topsoil ***that has been imported from an NYSDEC approved source,*** and reseeded."

Section 3.1.3 Erosion

- 1st Paragraph, 3rd Sentence – modified to read, "Shallow gullies will be repaired by backfilling to the original grade with topsoil ***that has been imported from an NYSDEC approved source,*** and reseeding.
- 1st Paragraph, 6th Sentence – modified to read, "This may include placing coarse stone ***that has been imported from an NYSDEC approved source*** in the gully to limit future erosion."

Section 3.1.4 Settlement

- 1st Paragraph, 1st Sentence – modified to read, "Settlement features such as depressions and puddles will be regraded by placing additional cover soil ***that has been imported from an NYSDEC approved source*** such that surface water drains to the appropriate direction."
- 1st Paragraph, 2nd Sentence – modified to read, "Areas of settlement may be regraded using topsoil ***that has been imported from an NYSDEC approved source***."

Section 3.2 Monitoring Wells

- 1st Paragraph – **Redacted**
- 2nd Paragraph – **Redacted**
- Insert new paragraph to read, "***It is anticipated that five monitoring wells (i.e., designed GW-1 through GW-5), that were previously used to monitor groundwater at the Site, will be decommissioned in accordance with the provisions outlined in NYSDEC Commissioners Policy (CP)-43 during the reporting period between January 31, 2022 and January 31, 2025. However, portions of the protective casings of the groundwater monitoring wells located within the area of the former landfill (i.e., GW-2, GW-4 and GW-5) may be left in place, so as not to damage/compromise the landfill cap during their removal. The landfill cover in the areas immediately surrounding these former monitoring wells (and their protective casings, if present) should be observed and documented for evidence of degradation of the landfill cover (e.g., sloughing, cracks, erosion, cracks, seepage, etc., as described in Section 3.3.1 through 3.1.3) and for damage to the protective casings (e.g., from vehicle strikes), if present. The conditions of the former monitoring well casings (if present) and the landfill cover in the areas of the former monitoring wells should be noted on the inspection forms and reported in the Periodic Review Report following each reporting period."***

IRM Monitoring Report Form

- Title revised to read "LONG-TERM ***SEMI-ANNUAL*** MONITORING REPORT, INTERIM REMEDIAL MEASURE, STRIPPIT, INC., AKRON, NEW YORK"

Section 4.0 NOTIFICATIONS AND EMERGENCY RESPONSE

- Facility Contact identified in the 1st Paragraph modified to read:

  Sarah N. Miller
  Environmental, Safety and Facilities Engineer
  LVD Strippit
  12975 Clarence Center Road, Akron, New York 14001
  (716) 542-7314
  sarah.n.miller@lvdgroup.com

- 2nd Paragraph – **Redacted**
- NYSDEC Contact identified in the 3rd Paragraph modified to read:

  Taylor J. Monnin
  Assistant Engineer (Environmental), Division of Environmental Remediation
  New York State Department of Environmental Conservation
  700 Delaware Avenue, Buffalo, NY 14209
  (716) 851-7220
  taylor.monnin@dec.ny.gov

- Add paragraph with NYSDOH Contact to read:

  Johnathan Robinson
  Public Health Specialist I – Bureau of Environmental Exposure Investigation
  New York State Department of Health
  Empire State Plaza – Corning Tower Room #1787, Albany, NY 12237
  (518) 402-7881
  Johnathan.robinson@health.ny.gov

- 3rd Paragraph, 1st Sentence – modified to read, "Copies of ***Periodic Review Reports*** shall also be transmitted to the above individual."

SECTION 5.0 REPORTING TO THE COMMUNITY

- 1st Paragraph, 5th Sentence – **Redacted**

POST-CLOSURE MONITORING AND MAINTENANCE PLAN INTERIM REMEDIAL MEASURE

STRIPPIT, INC. AKRON, NEW YORK

Prepared By: Day Engineering, P.C.
2144 Brighton-Henrietta Town Line Road
Rochester, New York 14623

Date: February, 1995

TABLE OF CONTENTS

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, vadium 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)

ANALYTE	(3) NYS STANDARD GROUNDWATER (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 be	-	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-1
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 (source 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 speadsheet 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 speadsheet 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

		MONITORING WELL SAMPLE NUMBER				
COMPOUND	UNITS	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 then 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 H_2O 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 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 (^{0}C)	pH	CONDUCTIVITY (uMHOS/CM)	TURBIDITY (NTU)	VISUAL	PID/FID READING

COMMENTS:

FILE:WELLSAM1

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

Station Number	Time (24 hr.)	Container ID	Sampler ID	Location Description	Sample Type	ANALYSES REQUIRED	Total # of Cont.	Note #
TOTAL NUMBER OF CONTAINERS								

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

NOTES:

ANALYTICAL LABORATORY: _____

LABORATORY CONTACT: _____

CONTACT: _____

_____

DAY ENVIRONMENTAL, INC.
AN AFFILIATE OF DAY ENGINEERING, P.C.

SUITE 210
338 HARRIS HILL ROAD
WILLIAMSVILLE, NEW YORK 14221

FILE NO. _____ P.O. NO. _____

PROJECT _____

LOCATION _____

COLLECTOR _____

DATE OF COLLECTION _____ SHEET _____ OF _____

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 in 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.

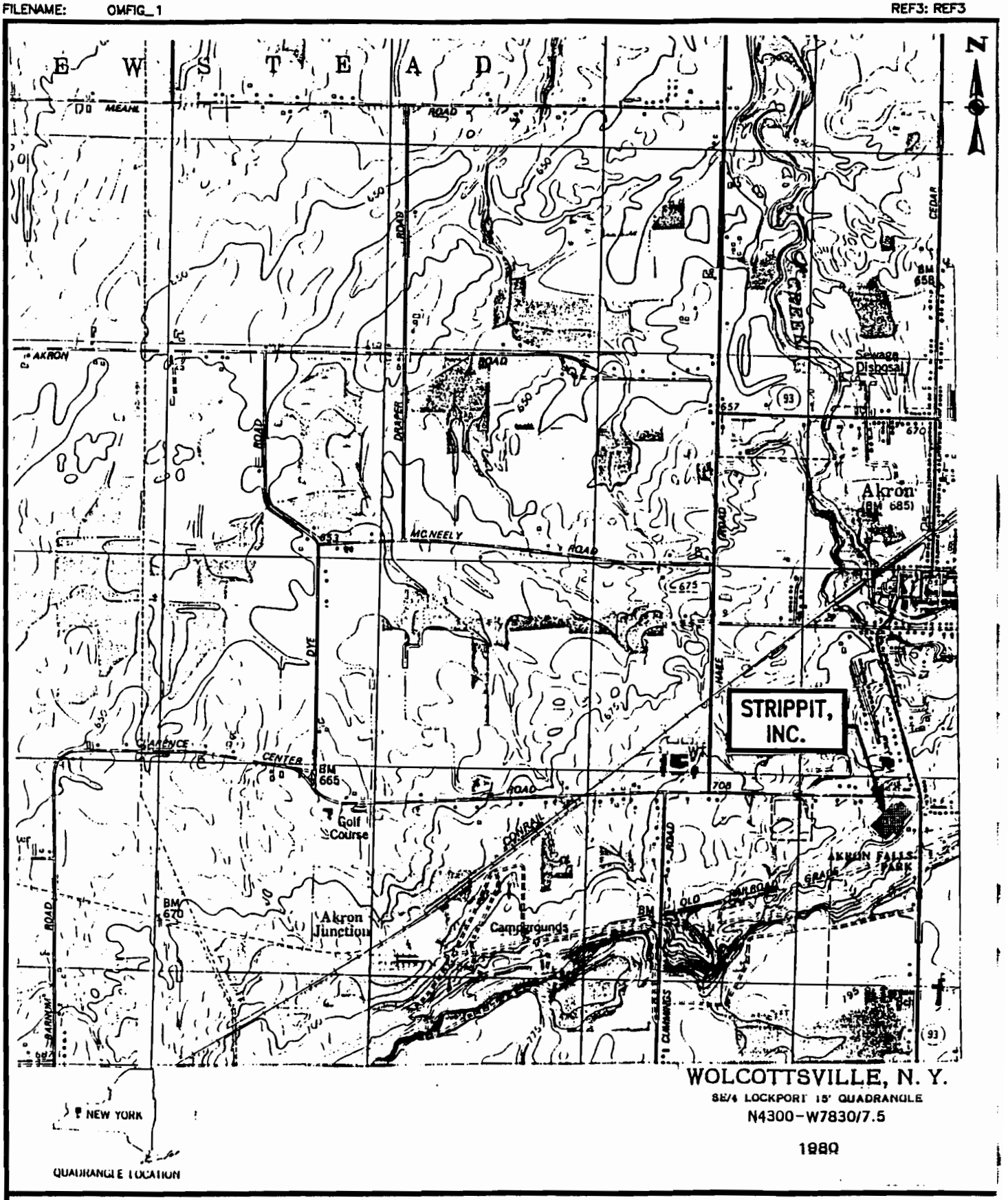
- "Construction Documentation Report Interim Remedial Measure, Strippit, Inc.; Akron, New York" December 1994; prepared by Day Engineering, P.C.

FIGURE 1

LOCUS PLAN

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

REF1: REF1
REF2: REF2
REF3: REF3

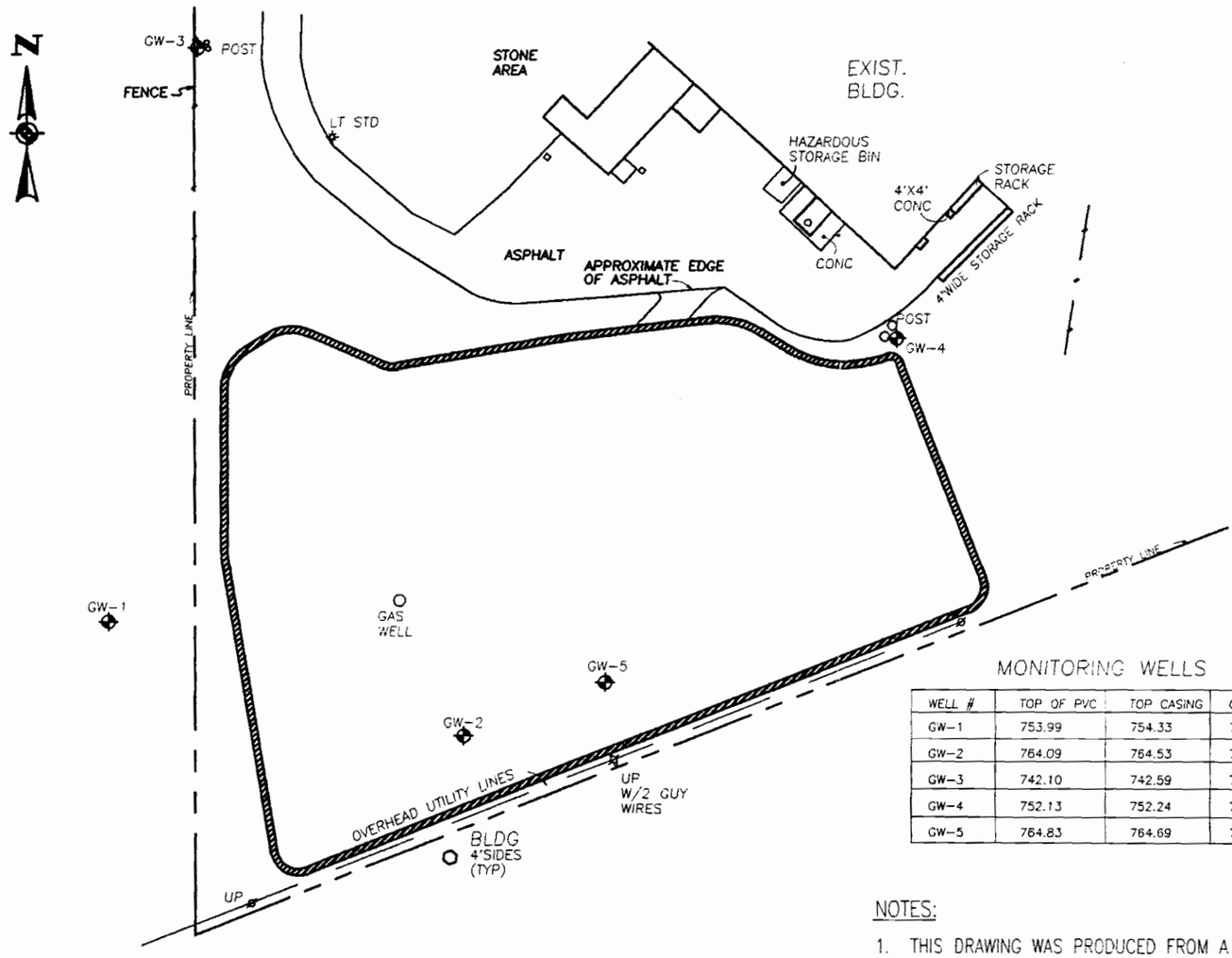


WOLCOTTSVILLE, N. Y.
SE/4 LOCKPORT 15' QUADRANGLE
N4300-W7830/7.5
1980

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	GROUND ELEV
GW-1	753.99	754.33	751.41
GW-2	764.09	764.53	762.43
GW-3	742.10	742.59	739.67
GW-4	752.13	752.24	750.75
GW-5	764.83	764.69	762.63

LEGEND

GW-1 MONITORING WELL

APPROXIMATE GEOMEMBRANE LIMITS

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.

ON OCT 3 14:00:00 1994
FIG1

APPENDIX A

BORING LOGS/WELL INSTALLATION DIAGRAMS

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

ENGINEERING-SCIENCE DRILLING RECORD

BORING NO. GW-1
Sheet 1 of 3

PROJECT NAME Houghville
PROJECT NO. SYO53.04.00

Location approx 200' W. of geophysics reference hub in open field to the west of the landfill area

GROUNDWATER OBSERVATIONS		
Water Level	38.1' T.O.C.	38.14'
Time	910	844
Date	5/22	6/7

Weather: Sunny 50°

Date/Time Start 5/17/90 3:45 pm

Date Time Finish 5/21/90 4:30 pm

Plot Plan
See sample location map FIGURE III-1

Photovac Reading	Sample I.D.	Sample Depth	% Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL	WELL SCHEMATIC	COMMENTS
				55			
							Protective casing with lock
							2.5' stick-up
						0	0'
0		0-2'	30	5	dark silty soil with organic debis, wet		
				8			
				5			
				6			
						3'	
0		5-7'	65	20	brown fine-med sand with a trace of silt and a little fine to coarse gravel, moist to dry		
				34			
				51			
				74			
0		10-11.5'	60	40	(upper sandy till)		
				61			
				100			
0		15-16.5'	65	15			
				25			
				29			

STANDARD PENETRATION TEST
SS = SPLIT SPOON A = AUGER CUTTINGS C = CORED

SUMMARY 0-3' ⇒ Soil
3 → 14' ⇒ Sandy till

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

GROUNDWATER OBSERVATIONS

Water Level			
Time			
Date			

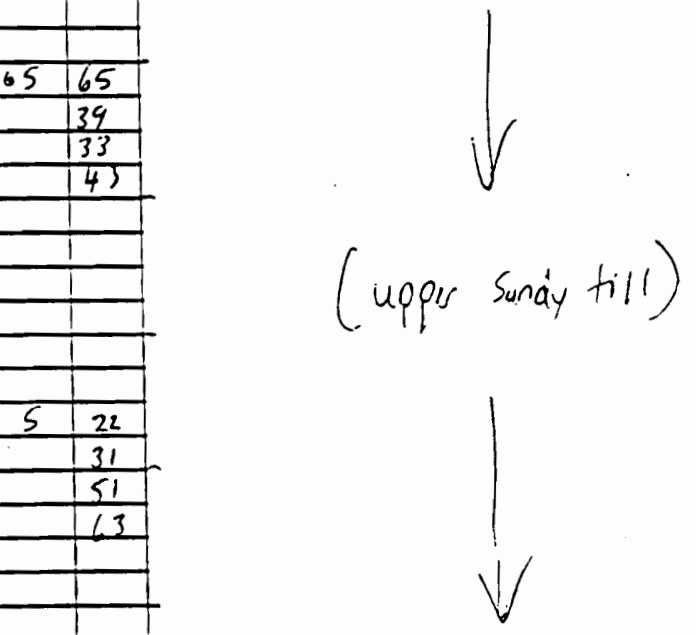
ENGINEERING-SCIENCE DRILLING RECORD

PROJECT NAME Hazdrill
PROJECT NO. SY053.09.00

Weather: Sunny, 50°
Date/Time Start 5/17/90 3:45 pm
Date Time Finish 5/21/90 4:30 pm

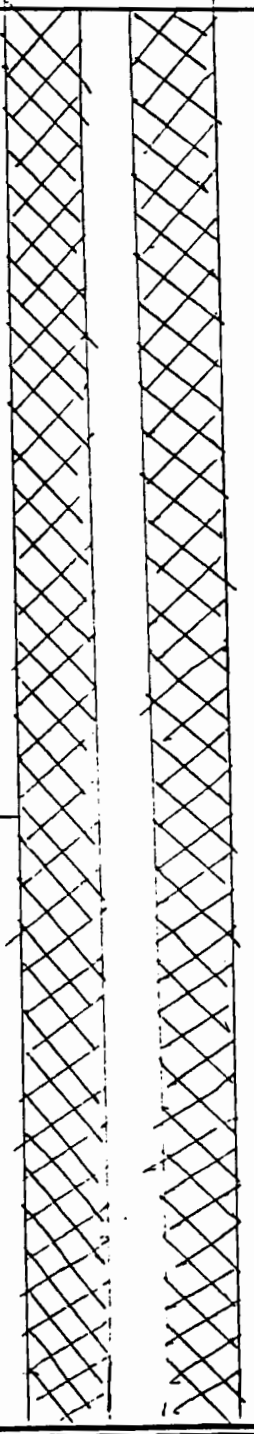
BORING NO. GW-1
Sheet 2 of 3
Location approx. 200' W. of geophysics ref. hub in open field W. of landfill area
Plot Plan

Pheovac Reading	Sample I.D.	Sample Depth	% Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL	WELL SCHEMATIC	COMMENTS
0		20-22'	65	65			
				39			
				33			
				43			
0		25-27'	5	22			
				31			
				51			
				63			
					30'		
0		30-32'	40	25			
				32			
				44			
				76			
0		35-37'	50	14			
				72			
				35			
				50			



brown. very fine sand and silt with a little clay and fine to medium gravel - moist

(lower silty till)



STANDARD PENETRATION TEST
SS = SPLIT SPOON A = AUGER CUTTINGS C = CORED

SUMMARY 18-30' ⇒ Sandy till
30-39' ⇒ Silty till

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

GROUNDWATER OBSERVATIONS

Water Level				
Time				
Date				

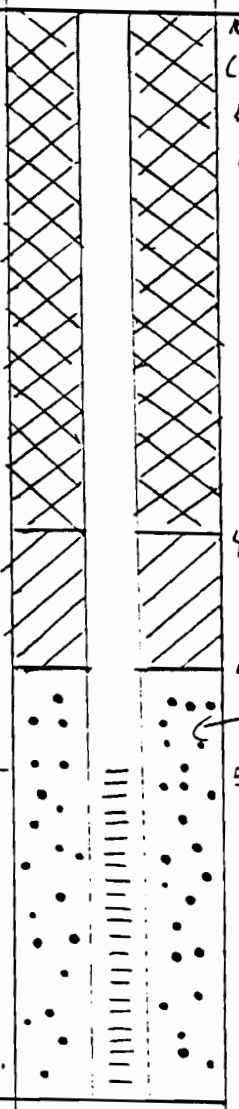
ENGINEERING-SCIENCE DRILLING RECORD

PROJECT NAME Houdaille
PROJECT NO. SY053.04.00
Weather: Sunny 50°
Date/Time Start 5/17/90 3:45 pm
Date Time Finish 5/21/90 4:30 pm

BORING NO. GW-1
Sheet 3 of 3
Location approx 200' W. of geophysical ref. pt. #16 in open field west of the landfill area
Plot Plan

Recovery / Remarks	Sample I.D.	Sample Depth	% Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL
0		40-42'	50	13	
				23	
				27	
				35	
					(lower silty till)
0		45-47'	75	14	
				31	
				45	
				50	
0		48-50	2	19	
				17	
				60	
				105	
					50'
0		50-52'	60	71	
				38	fine brown sand and silt
				47	Saturated
				51	
0		52-54'	05	15	
				32	
				39	
				100	
					55'
					55' well bottom

WELL SCHEMATIC



COMMENTS

STANDARD PENETRATION TEST
SS = SPLIT SPOON A = AUGER CUTTINGS C = CORED

SUMMARY 39 - 50' ⇒ silty till
50 - 55' ⇒ fine brown sand and silt

WELL INSTALLATION CHECKLIST
PHASE II INVESTIGATIONS

61

Site Name: Houdaille Strippit Date: 5-21-90
Job Number: SY053.09 00 By: D. Nickerson
Boring Number: GW-1

****

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 Q 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

GROUT/CEMENT

Mixture (#Cement/#Bentonite): 94 lbs cement / 3 lbs 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. Pickens

Engineering-Science Representative

5-16-90

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

GROUNDWATER OBSERVATIONS

Water Level	24.5' T.O.C.		40.2'
Time	900		934
Date	5/29		6/7

ENGINEERING-SCIENCE DRILLING RECORD

PROJECT NAME Howdaille
PROJECT NO. 5Y053.04.00

Weather: Cloudy 52°
Date/Time Start 5/23/90 8:45 am
Date Time Finish 5/25/90 10:40 am

BORING NO. GW-2
Sheet 1 of 4
Location landfill area approx. 100' SE of SE fence around gas well just beyond berm to the South of
Plot Plan the gaswell
See sample location map FIGURE III-1

Pheovac Reading	Sample I.D.	Sample Depth	% Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL	WELL SCHEMATIC	COMMENTS
							← protective casing with lock
							2' Stick-up
							0'
					0		
10		0-2'	0	2	brown sandy soil with organic debris (cuttings) moist		
				1			
				1			
				1			
					3		
					brown, med. sand and gravel fill with some dark black silt, moist		
0		5-7'	40	7			
				6			
				5			
				5			
					8		
					fine - very fine brown sand with some fine to med. gravel, moist (till)		
0		10-11'	30	25			
				100			
0		15-17'	95	24			
				54			
				57			
				55			

STANDARD PENETRATION TEST
SS = SPLIT SPOON A = AUGER CUTTINGS C = CORED

SUMMARY 0 - 9' => Soil / Fill
9 - 18' => Sandy fill

Contractor: KDC
Driller: Steve Kohn
Inspector: D. Nickerson
Rig Type: Mobile B-61
Drilling Method: 6 3/4" HSA

GROUNDWATER OBSERVATIONS

Water Level			
Time			
Date			

ENGINEERING-SCIENCE DRILLING RECORD

PROJECT NAME Hondaville
PROJECT NO. 51053.07.00

Weather: Cloudy ≈ 20°
Date/Time Start ≈ 1/23/90 8:45 am
Date Time Finish ≈ 1/25/90 10:40 am

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

Photovac Reading	Sample I.D.	Sample Depth	% Recovery	SPT	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			
				37			
				36			
0		35-37'	95	7			
				13			
				17			
				19			

STANDARD PENETRATION TEST
SS = SPLIT SPOON A = AUGER CUTTINGS C = CORED

SUMMARY 18-39' ⇒ Sandy fill

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

GROUNDWATER OBSERVATIONS

Water Level			
Time			
Date			

ENGINEERING-SCIENCE DRILLING RECORD

PROJECT NAME Houdaille
PROJECT NO. 5403.09.00

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

BORING NO. GW-2
Sheet 3 of 4
Location

Plot Plan

Photovac Reading	Sample I.D.	Sample Depth	% Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL
					↓ 40'
0		40-42'	70	6	
				29	
				14	
				21	
0		45-47'	0	8	brown silt and fine gravel with a little v. fine sand and trace of clay, moist (lower till)
				13	
				14	
				32	
0		50-52'	90	WH/100	
				26	
				25	
				29	
0		53-55'	50	14	
				11	
				17	
				21	
0		55-57'	65	6	
				13	
				15	
				22	
0		58-60'	65	9	
				16	
				15	
				22	
					↓ 60'

WELL SCHEMATIC

COMMENTS

Cement/bentonite mix

56.0'

bentonite seal

59.5'

STANDARD PENETRATION TEST

SS = SPLIT SPOON A = AUGER CUTTINGS C = CORED

SUMMARY 40 - 60 ⇒ Silty till

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

GROUNDWATER OBSERVATIONS

Water Level			
Time			
Date			

ENGINEERING-SCIENCE DRILLING RECORD

PROJECT NAME Hardoil 4
PROJECT NO. 5405.3.09.00

Weather: Cloudy 52°
Date/Time Start 5/23/90 8 45 am
Date Time Finish 5/25/90 10:40 am

BORING NO. GW-2
Sheet 4 of 4
Location

Plot Plan

Recovery / Rec.	Sample I.D.	Sample Depth	% Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL	WELL SCHEMATIC	COMMENTS
0		60-62'	70	7	very fine to medium brown Sand and silt, Saturated		Sand pack
				15			
				17			
				15			
0		63-65'	65	10			10' Screen 60-70'
				14			
				16			
				16			
0		68-70'	70	24			
				35			
				57			
				77	70'		
					70' well bottom		

STANDARD PENETRATION TEST
SS = SPLIT SPOON A = AUGER CUTTINGS C = CORED

SUMMARY 60 - 70' => brown fine sand and silt

61

WELL INSTALLATION CHECKLIST
PHASE II INVESTIGATIONS

Site Name: Houdaille Strip pit　　Date: 5/29/90

Job Number: 5Y053 09 CO　　By: WD L. Ilov

Boring Number: GW - 2

****

Comments

Depth of Hole: 70'

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 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: # 4G Rok
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

GROUT/CEMENT
Mixture (#Cement/#Bentonite): 94 # cement / 3 # bentonite
Mixture (Gal. water/#dry mix): 7 gal H_2O / 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: ____

M D Kelley
Engineering-Science Representative
5/25/90

Contractor: Rochester Drilling
Driller: Steve Kaba
Inspector: D. Nickerson
Rig Type: Mobile B-61
Drilling Method: 6 5/8" ID HSA

GROUNDWATER OBSERVATIONS

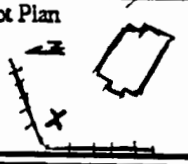
Water Level	30.9' from TOC	31' T.o.f.
Time	830	1115
Date	5-15	5-22

ENGINEERING-SCIENCE DRILLING RECORD

PROJECT NAME Houdaille Strippit
PROJECT NO. 5Y053.09.00

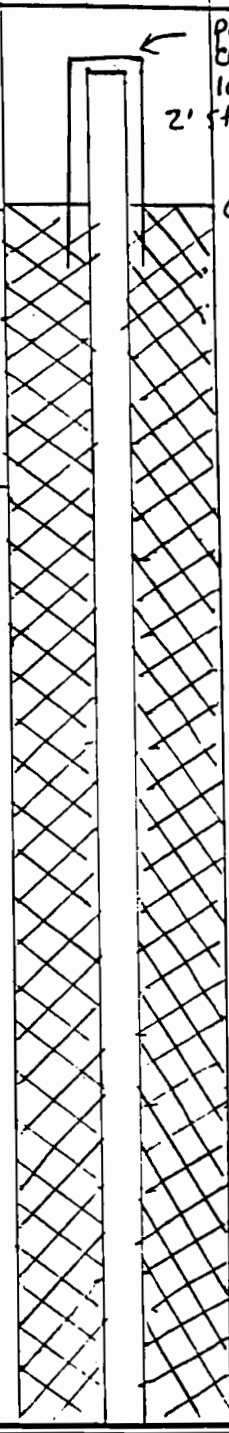
Weather: Cool, windy, 50°, cloudy
Date/Time Start 5-11-90 0830
Date Time Finish 5-14-90 1500

BORING NO. GW-3
Sheet 1 of 3
Location Approx 175' NW of NW corner of building (rear-fence)
Plot Plan



Recovery / Rec.	Sample I.D.	Sample Depth	% Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL
0		0-2'	5	8	brown, silty soil with organic matter and pebbles/cobbles
				9	
				8	
				4	
					3'
4		5-7'	60	13	olive greenish brown to brown densely packed fine sand and silt with some fine gravel, moist (till)
				13	
				28	
				32	
0		10-11'	40	50	
				105	
0		15-16'	50	40	
				105	

WELL SCHEMATIC



COMMENTS

STANDARD PENETRATION TEST
SS = SPLIT SPOON A = AUGER CUTTINGS C = CORED

SUMMARY 0-4' Soil/parking lot fill
4-18' ⇒ silty till, moist

Contractor: Rochester Drilling
Driller: Steve Kalan
Inspector: D. Nickerson
Rig Type: Mobile B-61
Drilling Method: 6 5/8" ID HSA

GROUNDWATER OBSERVATIONS

Water Level	30.91		
Time	8:07		
Date	6/7		

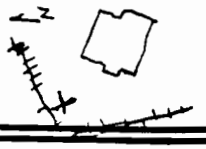
ENGINEERING-SCIENCE DRILLING RECORD

PROJECT NAME Houdaille Stripper
PROJECT NO. 5Y053.09.00

Weather: cool cloudy windy 50°
Date/Time Start 5-11-90 8³⁰
Date Time Finish 5-14-90 15⁰⁰

BORING NO. GW-3
Sheet 2 of 3
Location approx 175' NW of NW corner of building (near trace)

Plot Plan



Pid/Hnu Reading	Sample I.D.	Sample Depth	% Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL	WELL SCHEMATIC	COMMENTS
					20'		
0		20-21.5'	50	47	brown, v. fine sand and silt with some fine gravel and trace angular pebbles, compact, dry (till)		Cement/ bentonite mix
				53			
				106			
0		25-26.5'	50	38			
				64			
				100			
2.5		30-32'	0	15			
				17			
				25			
				44			
					35'		
11.2		35-36.5'	30	25	v. fine sand and silt some medium gravel, dry		35.7' bentonite seal
				40			
				100			37.7'

STANDARD PENETRATION TEST
SS = SPLIT SPOON A = AUGER CUTTINGS C = CORED

SUMMARY 1' - 20' ⇒ silty till, moist
20 - 39 ⇒ silty till, dry

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

GROUNDWATER OBSERVATIONS

Water Level			
Time			
Date			

ENGINEERING-SCIENCE DRILLING RECORD

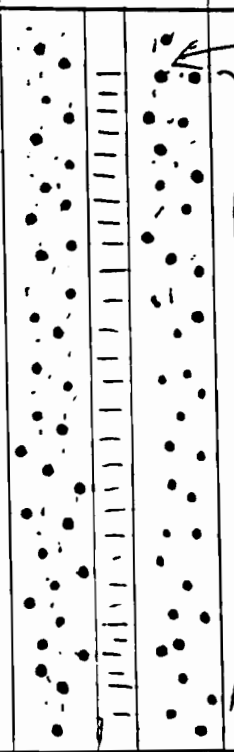
PROJECT NAME Houdaille Strippit
PROJECT NO. 5Y053.09.00

Weather: Cool, cloudy, windy 50°
Date/Time Start 5-11-90 08.30
Date Time Finish 5-14-90 15⁰⁰

BORING NO. GW-3
Sheet 2 of 3
Location approx 175' NW of NW corner of building (near trace)
Plot Plan

Recovery Reading	Sample I.D.	Sample Depth	% Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL
					40'
0		40-42'	65	8	brown fine sand, trace silt
				15	
				14	saturated
				25	
0		43-45'	65	23	
				20	
				25	
				35	
2.5		45-47'	70	13	
				23	
				23	
				31	
0		48-50'	90	20	
				28	
				38	
				100	50'
					50' well bottom

WELL SCHEMATIC



COMMENTS

STANDARD PENETRATION TEST
SS = SPLIT SPOON A = AUGER CUTTINGS C = CORED

SUMMARY 39-40' = silty fill (dry)
40-50' = brown fine sand, trace silt

WELL INSTALLATION CHECKLIST
PHASE II INVESTIGATIONS

GROUT/CEMENT
Mixture (#Cement/#Bentonite): 94 lb cement / 31b bentonite
Mixture (Gal. water/#dry mix): 7gal. 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 C. Nickerson
Engineering-Science
Representative
5-14-90

WELL INSTALLATION CHECKLIST
PHASE II INVESTIGATIONS

Site Name: Houdaille Strippit Date: 5-14-90

Job Number: SY053.09.00 By: D. Nickerson

Boring Number: GW-3

****

Comments

Depth of Hole: 50'

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 Q Rock
Amount (Calculated): 4001b
Amount (Actual): 400 lb
Installed with Tremie: Yes ____ No X

BENTONITE SEAL(S):
Type/Size: pellets 3/8 Size
Amount (Calculated): 100 lbs
Amount (Actual): 100 lbs
Installed with Tremie: Yes ____ No X
Secondary Seal(s) Used: Yes ____ No X
Explain: ____

ENGINEERING-SCIENCE
DRILLING RECORD

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

BORING NO. GW-4
Sheet 1 of 3
Location approx 60' SE of SE corner of Stripat building

PROJECT NAME Houdaille
PROJECT NO. SY053.04.00

GROUNDWATER OBSERVATIONS

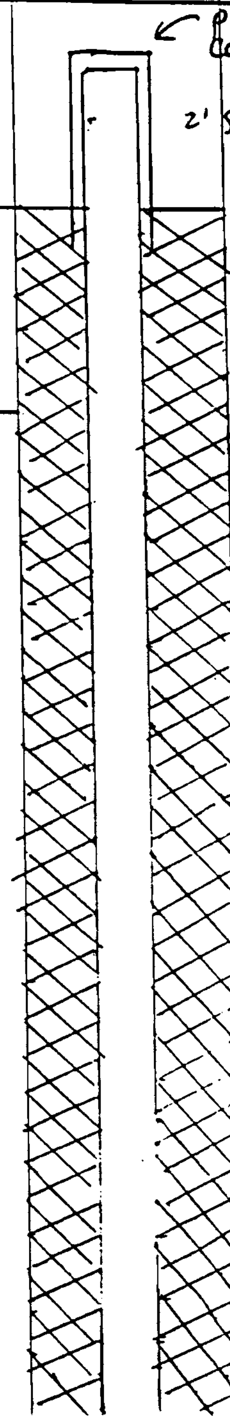
Water Level	35.65'	T.O.C (pvc)	35.15'
Time	11 15		9.15
Date	5-22		6/7

Weather: Rain 65°
Date/Time Start 5/15/90 9 15 am
Date Time Finish 5/16/90 1 00 pm

Plot Plan
See sample location map FIGURE III-1

Blows on Sampler	Sample I.D.	Sample Depth	% Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
				55		protective casing with lock; 2' stick up
0		0-2'	auger cuttings		brown sandy and silty soil with organic debris and some medium gravel, moist	
.8	SS-1	5-7'	60	20	brown fine - v. fine sand, little silt, some fine gravel (moist) (upper till)	
				33		
				44		
				51		
.2	SS-1	10-12'	35	20		
				30		
				46		
				56		
12	SS-1	15-17'	70	10		
				14		
				16		
				20		

WELL SCHEMATIC



STANDARD PENETRATION TEST
SS = SPLIT SPOON A = AUGER CUTTINGS C = CORED

SUMMARY 0-3' Soil
3-18' → Sandy till

Contractor: ROC
Driller: Steve Kahn
Inspector: O. Nickerson
Rig Type: Mobile B-61
Drilling Method: 6 5/8" HSA

GROUNDWATER OBSERVATIONS

Water Level	35.65'	T.O.C. (PVC)	
Time	1115		
Date	5-22		

ENGINEERING-SCIENCE DRILLING RECORD

PROJECT NAME Houdaille
PROJECT NO. 5406 3.09.00

BORING NO. GW-4
Sheet 2 of 3
Location Approx. 60' SE of SE corner of Striggit building

Weather: Rain 65°
Date/Time Start 5/15/90 915 am
Date Time Finish 5/16/90 100 pm

Plot Plan

Recovery / Rec.	Sample I.D.	Sample Depth	% Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL	WELL SCHEMATIC	COMMENTS
15.5	SS-1	20-22'	70	8			
				10			
				14			
				22			
7.3		25-26.5'	65	12			
				11			
				15			
4.2		30-32'	65	9			
				15			
				26			
				24			
0		35-37'	20	18			
				20			
				23			
				23			

brown fine to v. fine sand and silt with some fine gravel and trace of clay, moist (lower fill)

Cement/bentonite mix

36.0' bentonite seal

37.5'

STANDARD PENETRATION TEST
SS = SPLIT SPOON A = AUGER CUTTINGS C = CORED

SUMMARY 14 - 25' => SANDY fill
25 - 39' => SILTY fill

Contractor: RDC
Driller: Steve Kuhn
Inspector: D. Nickerson
Rig Type: Mobile B-61
Drilling Method: 6 1/4 HSA

ENGINEERING-SCIENCE DRILLING RECORD

BORING NO. GW-4
Sheet 3 of 3
Location approx 60' SE of SE corner of Stimpit building

PROJECT NAME Moodaila
PROJECT NO. 54057.09.00

GROUNDWATER OBSERVATIONS			
Water Level	35.65'	T.O.C	
Time	1115		
Date	5-22		

Weather: Rain 65°
Date/Time Start 5/15/90 9:15 am
Date Time Finish 5/16/90 1:00 pm

Plot Plan

Photovac Reading	Sample I.D.	Sample Depth	% Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL	WELL SCHEMATIC	COMMENTS
							Sand pack
0		40-42'	45	9	↓		
				11			
				13			
				33			
					fine brown sand and silt, saturated		
0		43-45'	95	12			
				16			
				20			
				24			
0		45-47'	65	10			10' Screen 40-50'
				13	fine brown sand, wet interm ixed with layers of silt and fine gravel (till)		
				16			
				20			
0		48-50'	65	12			
				24			
				30			
				29			
					50' well bottom		

STANDARD PENETRATION TEST
SS = SPLIT SPOON A = AUGER CUTTINGS C = CORED

SUMMARY 39-42' ⇒ Silty Till
42-45' ⇒ fine brown sand and silt 45-50 ⇒ intermixed layers of fine brown wet sand & silt and till

WELL INSTALLATION CHECKLIST
PHASE II INVESTIGATIONS

Site Name: Houdaille Stripit Date: 5-16-90

Job Number: SY053.09.00 By: D. Nickerson

Boring Number: GW-4

****

Comments

Depth of Hole: 50'

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: Pellets 3/4"
Amount (Calculated): 50 lbs
Amount (Actual): 50 lbs
Installed with Tremie: Yes ____ No X
Secondary Seal(s) Used: Yes ____ No X
Explain: ____

1g2

WELL INSTALLATION CHECKLIST
PHASE II INVESTIGATIONS

GROUT/CEMENT

Mixture (#Cement/#Bentonite): 94lb 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. Thacher

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. Kucserik
Date: Feb. 3, 4, 5, 1993
Project No.: 92-1657S

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" ø I.D. PVC WELL	Brown Clayey SILT, some fine-coarse Sand, little Gravel (moist, FILL)	PID = Photoionization Detector Reading (in HNu units, parts per million, ppm)
2		10				
3					3.3'±	FSW = Free Standing Water Level
4					Brown SILT, some fine-coarse Gravel, some Sand (moist)	
5	2	3 7				
6		16 13	0.0			
7						
8					8.5'±	
9					Brown fine SAND and Silt (wet)	
10	3	16 29				
11		33 27	0.0			
12						
13					13.5'±	
14					Red-brown SILT and fine-coarse Sand, some Gravel, trace clay (moist)	Soil/Bedrock Description via Visual-Manual identification methods and ASTM 1586D.
15	4	37 45	0.0			
16		70				

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

Project: _____
Project Location: _____

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

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							PID = Photoionization Detector Reading (in HNu units, parts per million, ppm)
-18							
-19							
-20							FSW = Free Standing Water Level
-21	5	37	31	0.0		Becomes gray-brown	
-22		35	33				
-23							
-24							
-25							
-26	6	25	37	0.0			
-27		41	45				
-28							
-29							
-30							
-31	7	30	27	0.0			Soil/Bedrock Description via Visual-Manual identification methods and ASTM 1586D.
-32		33	38				

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

Project: _____
Project Location: _____

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

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
33							PID = Photoionization Detector 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						38.5'±	
39						Gray-brown Clayey SILT and fine-coarse Sand (moist)	
40							
41	9	7	14	0.0			
42		16	21				
43							
44							
45							
46	10	15	21	6.0			Soil/Bedrock Description via Visual-Manual identification methods and ASTM 1586D.
47		14	19				
48							

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

Project: _____
Project Location: _____

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

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	11	10	14	0.0		51.5' (Bentonite) Seal	
51		15	15			53.1'	FSW = Free Standing Water Level
52						53.5' Brown and gray SILT and fine Sand (wet)	
53							
54					54.8'		
55	12	21	52	6.0			
56		45	68			57' Gray & brown laminated SILT and CLAY, some fine-coarse Sand (moist)	
57	13	11	12	0.0		59' Gray SILT and fine Sand (wet)	
58		19	24				
59	14	12	15	0.0	2" I.D. PVC SCREEN		
60		15	15				
61	15	21	31	6.0			Soil/Bedrock Description via Visual-Manual identification methods and ASTM 1586D.
62		35	21				
63	16	15	17	0.0			
64		17	18			64.8'	

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

Project: _____
Project Location: _____

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

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
65						PID = Photoion-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.

ATTACHMENT C

DOCUMENTATION OF MONITORING WELL DECOMMISSIONING: SEPTEMBER 11-12, 2024

DAY ENVIRONMENTAL, INC.
SITE OBSERVATION REPORT

NYSDEC SITE NO. 915053 - Houdaille Industries; Strippit Division	DATE: September 11, 2024
PROJECT: Monitoring Well Decommissioning	WEATHER: Sunny, Clear
LOCATION: 12975 Clarence Center Road, Akron, New York	TEMPERATURE: 55° to 65° F
CONTRACTOR: NW Contracting, Inc.	

NW Contracting, Inc. (NW) arrived at the Houdaille Industries; Strippit Division Site (the Site) with two personnel, a track-mounted drill rig and a support vehicle at 09:15 to begin the process of decommissioning five groundwater monitoring wells (designated GW-1 through GW-5) located in and around the closed landfill at the Site. Initially, the monitoring wells were opened by cutting the locks from the protective steel casings to remove the well caps and bailers/cords stored in the PVC well casings. Thereafter a grout was mixed in a 55-gallon drum at a ratio of one 94-pound bag of Portland Type I cement to approximately 4 pounds of powdered bentonite and about 8 gallons of potable water. The mixture was circulated using the pump on the track-mounted drill rig until the grout mixture was a suitable consistency. When sufficiently mixed, the grout was placed into each monitoring well (PVC casing) via tremie methods, and allowed to set up.

The grouting was completed starting with monitoring well GW-4, followed by monitoring wells GW-3, GW-2, GW-5 and GW-1. Upon the completion of the initial round of grouting, NW returned to each monitoring well in the same order to check the depth of the grout seal, and (as necessary) topped off the seal by placing additional grout into the PVC well casing such that the top of the grout seal was at, or above, the ground surface. Following the supplemental grouting, NW cleaned the area around each well to remove the bailers/cords, cut locks and debris generated during the well decommissioning. These items were loaded into the support vehicle for transport off-site for disposal.

NW and DAY left the Site at 14:15.

DAY Representative (print): R. Kampff DAY Representative (signed): Raymond L. Kampff

DAY ENVIRONMENTAL, INC.
SITE OBSERVATION REPORT

NYSDEC SITE NO. 915053 - Houdaille Industries; Strippit Division	DATE: September 12, 2024
PROJECT: Monitoring Well Decommissioning	WEATHER: Partial Clouds
LOCATION: 12975 Clarence Center Road, Akron, New York	TEMPERATURE: 50° to 60° F
CONTRACTOR: NW Contracting, Inc.	

NW Contracting, Inc. (NW) arrived at the Houdaille Industries; Strippit Division Site (the Site) with two personnel, a mini-excavator/trailer, and a support vehicle at 10:00 to complete the process of decommissioning five groundwater monitoring wells (designated GW-1 through GW-5) located in and around the closed landfill at the Site. The mini-excavator was used to excavate around the protective steel casings of monitoring well GW-1, GW-3, and GW-4 to a depth of approximately 5 feet below the ground surface; and subsequently remove each protective casing and PVC well casing, that broke-away when the protective casing was removed from the ground. Subsequently, the excavated soil was placed back into the excavation and tamped with the bucket of the mini-excavator to restore the ground surface around each well to the approximate pre-excavation grade.

Note: Monitoring wells GW-2 and GW-5 were installed within the closed landfill prior to the construction of the liner system such that the well and protective casings extend through the synthetic liner system. When the liner system was installed, a geomembrane boot was constructed around the protective casings and sealed to the synthetic liner. Therefore, the steel protective and PVC well casings were not removed from these monitoring wells during the decommissioning work.

NW removed debris generated during the well decommissioning, the protective casings and remnants of the monitoring well casings. These items were loaded into the support vehicle for transport off-site to, and disposal by NW.

NW and DAY left the Site at 1315.

DAY Representative (print): R. Kampff DAY Representative (signed): Raymond A. Kampff

Partial view of drill rig (right) and view of NW Contracting (drilling subcontractor) truck containing well decommissioning supplies and equipment, facing south in the vicinity of monitoring well GW-3.

Close-up view of the portland cement and bentonite materials used to tremie grout (decommisssion) each well screen/casing.

Representative view of the removal of a protective steel casing and well casing, using a mini-excavator, to a depth of approximatley five feet below the ground surface.

View of the monitoring well GW-1 protective steel casing prior to decommissioning, facing west.

View of the excavation made to remove the monitoring well GW-1 protective steel casing and associated well materials from the ground.

View of the monitoring well GW-1 protective steel casing and associated well materials that were removed from the ground following monitoring well decommissioning.

View of the restored ground surface following the removal of monitoring well GW-1 protective steel casing and associated well materials, facing east.

Close-up view of the restored ground surface following the removal of monitoring well GW-1 protective steel casing and associated well materials, facing east.

View of the monitoring well GW-2 protective steel casing and cover prior to decommissioning.

View showing the height (above ground surface) of the protective steel casing surrounding monitoring well GW-2.

View showing the depth (below the top of PVC casing) to the top of the grout, tremmied into monitoring well GW-2, following monitoring well decommissioning activities.

View showing the depth (below top of steel casing) of the grout placed between the monitoring well casing and protective steel casing for monitoring well GW-2, following decommissioning activities.

View of the monitoring well GW-3 protective steel casing (right) and two protective bollards (left) prior to decommissioning, facing south.

View of the mini-excavator during the work to excavate/remove the monitoring well GW-3 protective steel casing and well casing to a depth of approximatley five feet below the ground surface.

View of the monitoring well GW-3 protective steel casing that was removed from the ground following monitoring well decommissioning.

View of the restored ground surface following the removal of monitoring well GW-3 protective steel casing and associated well materials, facing northwest. (Note: the protective bollards were left in place.)

View of the restored ground surface following the removal of monitoring well GW-3 protective steel casing and associated well materials, facing southwest. (Note: the protective bollards were left in place.)

View of the monitoring well GW-4 protective steel casing prior to decommissioning, facing east.

View of the mini-excavator during the work to excavate/remove the monitoring well GW-4 protective steel casing and well casing to a depth of approximatley five feet below the ground surface.

View of the drilling contractor addessing the depth of the excavation during the work to excavate/remove the monitoring well GW-4 protective steel casing and well casing.

View of the monitoring well GW-4 protective steel casing that was removed from the ground following monitoring well decommissioning.

View of the restored ground surface following the removal of monitoring well GW-4 protective steel casing and associated well materials, facing south. (Note: the protective bollards were left in place.)

View of the monitoring well GW-5 protective steel casing and cover prior to decommissioning.

View showing the height (above ground surface) of the protective steel casing surrounding monitoring well GW-5.

View showing the depth (below the top of PVC casing) to the top of the grout, tremmied into monitoring well GW-5, following monitoring well decommissioning activities.

View showing the top of the grout, tremmied into monitoring well GW-5, and between the well casing and protective steel casing, following monitoring well decommissioning activities.

ATTACHMENT D

MAY 26, 2022 SITE VISIT PHOTOGRAPHS
AND
SEMI-ANNUAL LONG-TERM MONITORING REPORTS

MAY 26, 2022 SITE VISIT PHOTOGRAPHS

View of the vegetative cover on the west slope of the landfill, facing south.

View of the vegetative cover on the northwest slope of the landfill, facing south.

View of the vegetative cover on the north slope of the landfill, decanting tank associated with the gas well (left), facing east.

Tgcu md rfc _pc_ located on the north slope of the landfill where repairs were made to correct cracking of the soil cover, facing south.

Close up view of the repaired area of cracking located on the northern slope of the landfill.

View of marking paint delineating an area of asphalt to be repaired at toe of the northern slope of the landfill area (center), and the repaired slough area adjacent (left) on the landfill slope, facing west.

View of the beginning of the drainage way located to the northwest of the landfill area, facing southwest.

View of the drainage way located to the northwest of the landfill area, where overgrown vegetation was cut/ cleared to prevent blockage of the drainage way, facing northwest.

View of the drainage way located to the northwest of the landfill area, where overgrown vegetation was cut/cleared to prevent blockage of the drainage way, facing west.

JULY 22, 2022 LONG-TERM MONITORING REPORT

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

Date of Inspection: 7-22-2022

Inspected By: Carla Crampton

Summary of Observation:
General Condition of Cover: Good overall- no particular anomalies

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

Explain (include measurement & site sketch):

Evidence of cracking: ☐ Yes ■ No

Explain (include measurements and site sketch):

Evidence of water seepage: ■ Yes ☐ No

Explain: Mild iron-stained seepage noted on north side of landfill near pavement

Evidence of Settlement: ☐ Yes ■ No

Explain: _____

Condition of monitoring wells and gas wells: Present and operating to function with the exception of GW-5, could not locate because of overgrown vegetation

Condition of Vegetative Cover: Well, established, slightly overgrown

Condition of drainage ways (discuss amount of water/sediments present, vegetative growth unusual staining, blockage, etc.).: No blockage observed, but vegetation in drainageways should be monitored and removed, if necessary, to preclude blockages

Additional Comments: Ground appeared to be hummocky in some areas

Action Item(s) Required: Vegetation over drainage ways should be monitored and cut/removed, if necessary

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

Signatures: Carla Crampton

View of the mild, iron-stained seepage observed on the north side of the landfill, facing south

View of the mild, iron-stained seepage observed on the north side of the landfill.

View of the drainage ways (background) located to the northwest of the landfill (not visible in photo), facing west.

View of overgrown vegetation, observed in the drainage waylocated to the northwest of the landfill, facing northwest.

NOVEMBER 28, 2022 LONG-TERM MONITORING REPORT

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

Date of Inspection: November 28, 2022

Inspected By: R. Kampff

Summary of Observations:

General Condition of Cover: Cut down vegetation is evident throughout the landfill with some accumulations of snow. No breaches to the cover are evident. Refer to photographs in Attachment A.

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

Explain (include measurement & site sketch): None noted although a low apparent drainage-like channel filled with snow is evident on the northeastern slope of the landfill. No water flow observed.

Evidence of cracking: ☐ Yes ■ No

Explain (include measurements and site sketch): No areas of cracking observed

Evidence of water seepage: ☐ Yes ■ No

Explain: No areas of water seepage were evident during the site visit.

Evidence of Settlement: ☐ Yes ■ No

Explain: No areas of settlement observed.

Condition of monitoring wells and gas wells: Monitoring wells and gas well and decanting tank are in good condition.

Condition of Vegetative Cover: Accumulation of dead vegetation remaining following the most-recent cutting.

Condition of drainage ways (discuss amount of water/sediments present, vegetative growth unusual staining, blockage, etc.).: Drainage ways are generally free of sediment and debris. Some vegetation in detention pond, but flow does not appear to restricted.

Additional Comments: None

Action Item(s) Required: Monitoring wells should be decommissioned.

Action Item(s) completed since last inspection: Bi-annual monitoring of the landfill to assess the need for repairs/maintenance.

Signatures: 

Attachment A - Photographs

ATTACHMENT A

PHOTOGRAPHS

View of the vegetative cover on the top/southern edge of the landfill area, adjacent pedestrian path (left), and monitoring well casings (right, arrows) facing west.

View of the vegetative cover on the top of the landfill area with the gas well visible in the background, facing southwest.

View of the apparent drainage-like channel filled with snow observed on the northeastern slope of the landfill, facing north.

Close-up view of the apparent drainage-like channel filled with snow is evident on the northeastern slope of the landfill, facing north.

View of the beginning of the drainage way located to the northwest of the landfill area, facing southwest.

View of the drainage way (partially blocked by vegetation) located to the northwest of the landfill area facing northwest.

View of the drainage way (partially blocked by vegetation) located to the northwest of the landfill area, with monitoring well GW-2 and protective bollards visible in the middleground, facing northwest.

View of the stick-up, steel, protective casing and cover for groundwater monitoring well GW-2.

MAY 26, 2023 LONG-TERM MONITORING REPORT

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

Date of Inspection: May 26, 2023

Inspected By: R. Kampff

Summary of Observations:

General Condition of Cover: Overall cover is in good conditions with new growth between 6 inches and 1 foot tall. No apparent areas of stressed vegetation observed. Refer to photographs in Attachment A.

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

Explain (include measurement & site sketch): Minor area of erosion near toe of slope on the northeastern side of the landfill (i.e., in proximity of access road to facility). Refer to the Site Sketch in Attachment B and the photographs in Attachment B.

Evidence of cracking: ☐ Yes ☉ No

Explain (include measurements and site sketch): No areas of cracking observed

Evidence of water seepage: ☉ Yes ☐ No

Explain: Two areas of water seepage observed exiting the northeastern slope of the landfill (refer to Site Sketch in Attachment B) with slight discharge onto the paved access road (i.e., rust-colored precipitate evident in the standing water). Refer to photographs in Attachment A.

Evidence of Settlement: ☐ Yes ☉ No

Explain: No areas of settlement observed.

Condition of monitoring wells and gas wells: Monitoring wells are in good condition and locked (i.e., except GW-2, where the lock is present, but has been cut). Gas well and decanting tank are in good condition.

Condition of Vegetative Cover: Vegetation ranges from about 6 inches to 1 foot high and is generally thick and growing. No areas of stressed vegetation were observed.

Condition of drainage ways (discuss amount of water/sediments present, vegetative growth unusual staining, blockage, etc.).: Drainage ways are free of sediment and debris, however there are some saplings in the retention basin that should be monitored and removed if warranted.

Additional Comments: None

Action Item(s) Required: Areas of seepage on the northeastern slope of the landfill should be monitored, and remedial actions should be taken if warranted. The monitoring wells are no longer utilized and they should be decommissioned. The NYSDEC should be consulted to determine if welding the protective casings is suitable rather than decommissioning them in accordance with CP-43.

Action Item(s) completed since last inspection: Per NYSDEC letter dated May 31, 2022, groundwater sampling is no longer required, and monitoring wells need to be decommissioned. Bi-annual monitoring of the landfill is required to assess the need for repairs/maintenance. The vegetation on the landfill was cut and the drainage ways cleared of debris at the end of the 2022 growing season.

Signatures: 

Attachment A - Photographs
Attachment B – Site Sketch

ATTACHMENT A

PHOTOGRAPHS

View of the vegetative cover on the west slope of the landfill, facing north.

View of the vegetative cover on the top of the landfill area, facing southwest.

View of the vegetative cover on the northwest slope of the landfill, facing south.

View of the drainage way located to the northwest of the landfill area, facing north.

View of the stick-up, steel, protective casing and cover for groundwater monitoring well GW-2, facing northwest.

View of the stick-up, steel, protective casing and cover for groundwater monitoring well GW-3, and protective bollards, facing west.

View of the stick-up, steel, protective casing and cover for groundwater monitoring well GW-4, facing southwest.

View of the stick-up, steel, protective casing and cover for groundwater monitoring well GW-5, facing north.

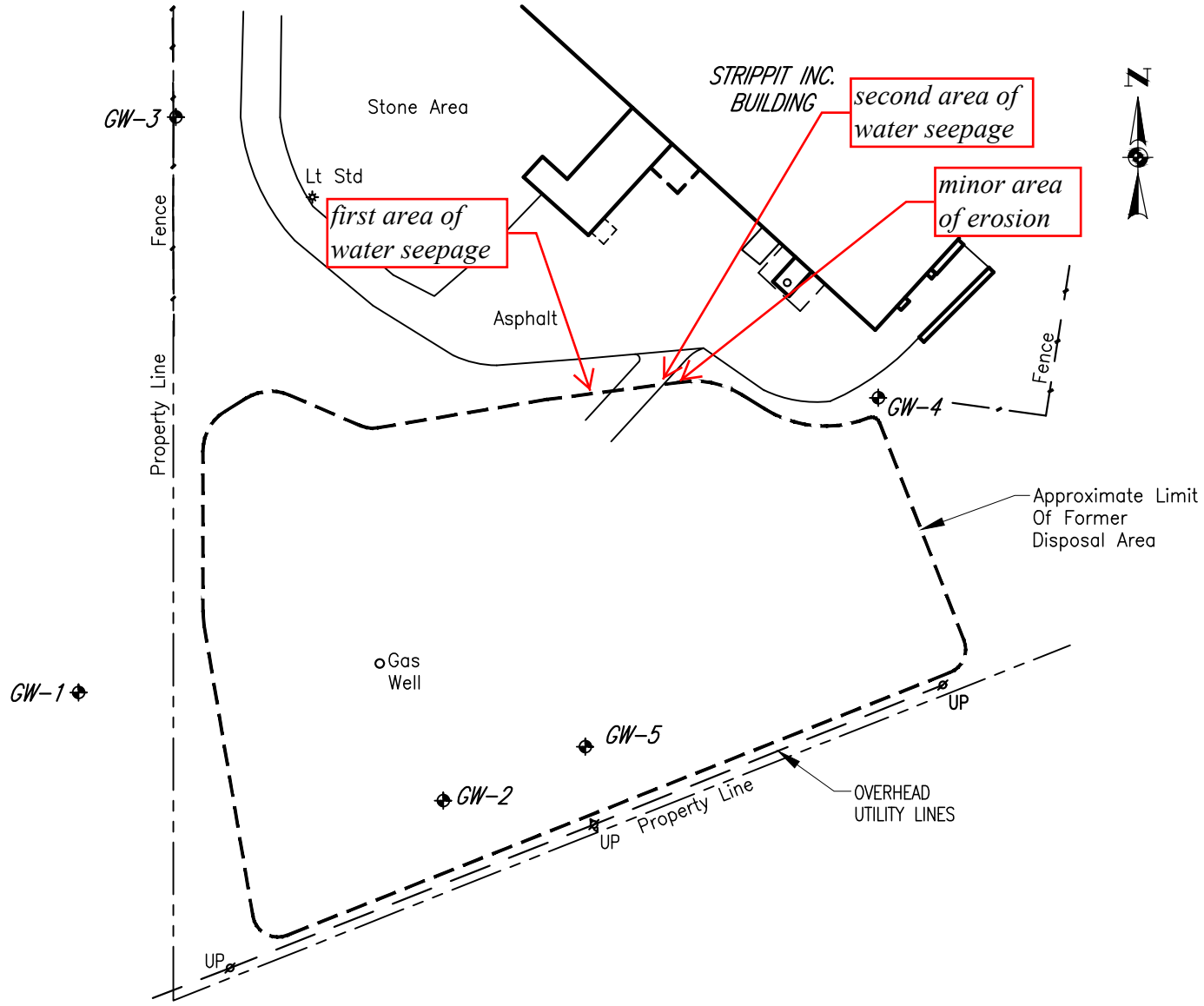
View of first area of water seepage observed exiting the northeastern slope of the landfill, facing southeast.

View of second area of water seepage observed exiting the toe of the northeastern slope of the landfill, facing southeast.

Close-up view of second area of water seepage, and the rust-colored precipitate evident in the standing water.

ATTACHMENT B

SITE SKETCH



NOTES:

1. This drawing produced from a drawing provided by Deborah A. Naybor, PLS, PC. entitled "Topographic Map Of Part Of Lot 5, TWP. 12, Range 5, Section 6, Town Of Newstead, County Of Erie, New York" dated 3/4/93 & revised 3/26/93.
2. No boundary survey was performed by Deborah A. Naybor, PLS, PC.

LEGEND:

GW-1 — Monitoring Well Designation

o — Existing Gas Well

– – – – Approximate Limits Of Former Disposal Area

DATE	2-16-2022
DRAWN BY	RJM/CAH
SCALE	1" = 100'

day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14606
NEW YORK, NEW YORK 10170

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

DRAWING TITLE
Site Sketch for May 26, 2023 Monitorng Event

NOVEMBER 20, 2023 LONG-TERM MONITORING REPORT

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

Date of Inspection: November 20, 2023

Inspected By: R. Kampff

Summary of Observations:

General Condition of Cover: The cover was cut at the end of the growing season. Approximately 3 inches of cut vegetation remain on the surface of the landfill. Overall, the cover is in good condition, with only minor rutting observed on the northeastern slope of the landfill. Refer to photographs in Attachment A.

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

Explain (include measurement & site sketch): None noted; although possible historic erosion observed near toe of slope on northeastern side of the landfill. Refer to the photographs in Attachment A.

Evidence of cracking: ☐ Yes ■ No

Explain (include measurements and site sketch): No areas of cracking observed.

Evidence of water seepage: ☐ Yes ■ No

Explain: No areas of water seepage were evident during the site visit.

Evidence of Settlement: ☐ Yes ■ No

Explain: No areas of settlement observed.

Condition of monitoring wells and gas wells: Monitoring wells are in good condition and locked (i.e., except GW-2, where the lock is present, but has been cut). Gas well and decanting tank are in good condition.

Condition of Vegetative Cover: Vegetation was cut down and an approximate 3-inch layer of dead vegetation covers the landfill.

Condition of drainage ways (discuss amount of water/sediments present, vegetative growth unusual staining, blockage, etc.).: Drainage ways are free of sediment and debris. However, saplings observed in the retention basin during the May 26, 2023 site visit have been cut.

Additional Comments: None

Action Item(s) Required: The NYSDEC should be consulted to determine if welding the protective casings is suitable rather than decommissioning them in accordance with CP-43.

Action Item(s) completed since last inspection: Per NYSDEC letter dated May 31, 2022, groundwater sampling is no longer required, and monitoring wells need to be decommissioned. Bi-annual monitoring of the landfill is required to assess the need for repairs/maintenance. The vegetation on the landfill was cut and the drainage ways cleared of debris at the end of the 2023 growing season.

Signatures: 

Attachment A - Photographs

ATTACHMENT A

PHOTOGRAPHS

View of the vegetative cover on the north slope of the landfill, decanting tank associated with the gas well (background) and beginning of the drainage way located to the northwest of the landfill area (foreground), facing east.

View of the vegetative cover on the west slope of the landfill, facing north.

View of the vegetative cover on the north slope of the landfill, facing west.

View of the vegetative cover on the top of the landfill area with the gas well visible in the middleground, facing northwest.

View of the vegetative cover on the top/southern edge of the landfill area, and adjacent pedestrian path (left), facing west.

Area of possible historic erosion observed near the toe of the northern slope of the landfill area, facing west.

View of the area of minor rutting located on the northern slope of the landfill area, facing north.

Close-up view of the area or minor rutting located on the northern slope of the landfill area.

View of the beginning of the drainage way located to the northwest of the landfill area, facing west.

View of the drainage way (recently cleared of vegetation) located to the northwest of the landfill area facing northwest.

View of the gas well, facinging west.

View of the stick-up, steel, protective casing and cover for groundwater monitoring well GW-1, facing southwest.

View of the stick-up, steel, protective casing and cover for groundwater monitoring well GW-2, facing southeast.

View of the stick-up, steel, protective casing and cover for groundwater monitoring well GW-3, and protective bollards, facing southwest.

View of the stick-up, steel, protective casing and cover for groundwater monitoring well GW-4, and protective bollards, facing south.

JUNE 26, 2024 LONG-TERM MONITORING REPORT

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

Date of Inspection: June 26, 2024

Inspected By: R. Kampff

Summary of Observations:

General Condition of Cover: Thick vegetation approximately 3 to 4 feet high (i.e., field grass, weeds, Crown Vetch, etc.) on the landfill. Some rutting along the northeastern slope, but no evident erosion observed. Refer to photographs in Attachment A.

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

Explain (include measurement & site sketch): None noted

Evidence of cracking: ☐ Yes ■ No

Explain (include measurements and site sketch): No areas of cracking observed

Evidence of water seepage: ☐ Yes ■ No

Explain: No areas of water seepage were evident during the site visit, however standing water was present at the base of the northeastern slope in an area where rutting from truck traffic is evident. Refer to photograph in Attachment A.

Evidence of Settlement: ☐ Yes ■ No

Explain: No areas of settlement observed.

Condition of monitoring wells and gas wells: Monitoring wells are in good condition and locked (i.e., except GW-2, where the lock is present, but has been cut). Gas well and decanting tank are in good condition.

Condition of Vegetative Cover: Healthy and thick cover approximately 3 to 4 feet high, matted down in area where deer presumably nested.

Condition of drainage ways (discuss amount of water/sediments present, vegetative growth unusual staining, blockage, etc.).: Drainage ways are generally free of sediment and debris.

Additional Comments: None

Action Item(s) Required: Monitoring wells should be decommissioned.

Action Item(s) completed since last inspection: Per NYSDEC letter dated May 31, 2022, groundwater sampling is no longer required, and monitoring wells need to be decommissioned. Bi-annual monitoring of the landfill is required to assess the need for repairs/maintenance. The vegetation on the landfill and drainage ways should be cut at the end of the 2024 growing season.

Signatures: 

Attachment A - Photographs

ATTACHMENT A

PHOTOGRAPHS

View of the vegetative cover on the west slope of the landfill, facing north.

View of the vegetative cover on the west slope of the landfill, facing soutwest.

View of the vegetative cover on the top of the landfill area, facing southwest.

View of the vegetative cover on the southern edge of the landfill area, and adjacent pedestrian path (top-right), facing east.

View of the vegetative cover on eastern poriton/northern slope of the landfill area, and partial view of the Strippit facility, facing north.

View of the drainage way located to the northwest of the landfill area, facing north.

View of standing water, present at the base of the northeastern slope in an area where rutting from truck traffic is evident, facing southeast.

View of standing water, present at the base of the northeastern slope in an area where rutting from truck traffic is evident, facing north.

View of the gas well, facinging north.

View of the stick-up, steel, protective casing and cover for groundwater monitoring well GW-3 (arrow), and protective bollards, facing southwest.

View of the stick-up, steel, protective casing and cover for groundwater monitoring well GW-5.

SEPTEMBER 12, 2024 LONG-TERM MONITORING REPORT

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

Date of Inspection: September 12, 2024

Inspected By: R. Kampff

Summary of Observations:

General Condition of Cover: Vegetation (i.e., field grass, weeds, Crown Vetch, etc.) on the landfill and adjacent drainage trenches was recently cut down. Evidence of erosion was not observed. Refer to photographs in Attachment A.

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

Explain (include measurement & site sketch): None noted

Evidence of cracking: ☐ Yes ■ No

Explain (include measurements and site sketch): No areas of cracking observed

Evidence of water seepage: ☐ Yes ■ No

Explain: No areas of water seepage were evident during the site visit; however standing water was present at the base of the northeastern slope. Refer to photograph in Attachment A.

Evidence of Settlement: ☐ Yes ■ No

Explain: No areas of settlement observed.

Condition of monitoring wells and gas wells: Abandonment of monitoring wells is being completed (i.e., well have been opened, bailers removed, and tremie grouting is proceeding). Gas well and decanting tank are in good condition.

Condition of Vegetative Cover: Vegetation was recently cut down, but it appears to be healthy with no areas of distressed vegetation observed.

Condition of drainage ways (discuss amount of water/sediments present, vegetative growth unusual staining, blockage, etc.).: Drainage ways are generally free of sediment and debris. Some vegetation in detention pond, but flow does not appear to restricted.

Additional Comments: None

Action Item(s) Required: Complete decommissioning of monitoring wells.

Action Item(s) completed since last inspection: Bi-annual monitoring of the landfill to assess the need for repairs/maintenance, and completion of monitoring well decommissioning.

Signatures: 

Attachment A - Photographs

ATTACHMENT A

PHOTOGRAPHS

View of the recently-cut vegetative cover on the southern edge of the landfill area, and adjacent pedestrian path (top-right), facing east.

View of the recently cut vegetative cover on the northeast slope of the landfill, facing east.

View of the vegetative cover on eastern poriton/northern slope of the landfill area, and partial view of the Strippit facility, facing northwest.

View of the gas well, facinging southwest.

Representative view of monitoring well decommissioning work, completed in conjunction with the semi-annual landfill inspection.

View of standing water present at the base of the northeastern slope of the landfill, facing south.

ATTACHMENT E

INSTITUTIONAL AND ENGINEERING CONTROL CERTIFICATION FORMS

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 915053

Site Name Houdaille Industries; Strippit Division

Site Address: 12975 Clarence Center Road Zip Code: 14001
City/Town: Akron
County: Erie
Site Acreage: 2.500

Reporting Period: January 31, 2022 to January 31, 2025

	YES	NO
1. Is the information above correct?	■	□
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	□	■
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	□	■
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	□	■
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	□	■

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Closed Landfill	■	□
7. Are all ICs in place and functioning as designed?	■	□

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____
Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 915053 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
Portion of 47.18-1-33	STRIPPIT LVD	
		Monitoring Plan
		O&M Plan

A No Further Action Record of Decision (ROD) was issued in March 1995. This ROD did not require a Deed Restriction. Post-closure maintenance and monitoring are required that includes cover system integrity inspections ~~and groundwater quality sampling~~ to ensure long term effectiveness of the remedy and to provide early detection should failure occur.

Per NYSDEC letter dated May 31, 2022, groundwater sampling is no longer required, and monitoring wells were decommissioned during the Reporting Period.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
Portion of 47.18-1-33	
	Cover System
	Fencing/Access Control
	~~Monitoring Wells~~

A Part 360 cover system that consists of 40-mil HDPE and associated soil/topsoil. The site is fenced. partially

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
■	□

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
■	□

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. 915053

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I DANIEL SZASZI at 12975 CLERANCE CENTER RD, AKRON, NY
print name print business address

am certifying as DESIGNATED REPRESENTATIVE (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

2/19/25
Date

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Raymond L. Kampff (print name) at 1563 Lyell Avenue, Rochester, NY 14606 (print business address),

am certifying as a Qualified Environmental Professional for the Owner (Owner or Remedial Party)

Raymond L. Kampff — Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

2-27-2025 — Date