day
DAY ENVIRONMENTAL, INC.

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

March 12, 2009

Mr. Brian Sadowski
New York State Department of Environmental Conservation
270 Michigan Avenue
Buffalo, New York 14203

Re: Long Term Monitoring
Strippit, Inc.
Akron, New York
NYSDEC Site ID: 9-15-053

Dear Mr. Sadowski:

This letter summarizes the findings of a site visit conducted at the above-referenced property (Site) by Day Environmental, Inc. (DAY) on March 6, 2009.

GROUNDWATER ELEVATIONS

The depth to groundwater was measured in each monitoring well using an electronic tape water level meter. The groundwater depths/elevations measured on March 6, 2009 are presented in the following table:

Well Identification	Top of Casing Elevation (ft.)	Groundwater Depth (ft.)	Groundwater Elevation (ft.)
GW-1	754.32	39.40	714.92
GW-2	770.62	49.27	721.35
GW-3	742.59	31.55	711.04
GW-4	752.24	35.43	716.81
GW-5	771.26	49.83	721.43

A groundwater contour map developed for the March 6, 2009 monitoring event is attached as Figure 1. As shown, groundwater flow at the Site is generally to the north and northwest. This flow direction is consistent with the direction determined during previous monitoring events. Based upon the groundwater flow direction, monitoring wells GW-2 and GW-5 are located in hydraulically upgradient positions and monitoring wells GW-1, GW-3 and GW-4 are located in hydraulically downgradient positions relative to the former disposal area.

The groundwater elevations measured on March 6, 2009 are higher than those measured during the most-recent monitoring event conducted on October 22, 2008 [i.e., ranging from 3.66 feet (GW-1) to 5.38 feet (GW-5)]. A comparison of the groundwater elevations measured on similar dates in previous years is presented in the following table.

Monitoring Well	March 6, 2009	April 23, 2008		March 8, 2007	
	Groundwater Elevation (ft.)	Groundwater Elevation (ft.)	Variance from 3-6-09 (ft.)	Groundwater Elevation (ft.)	Variance from 3-6-09 (ft.)
GW-1	714.92	715.65	+ 0.73	715.52	+ 0.6
GW-2	721.35	718.41	- 2.94	718.57	- 2.78
GW-3	711.04	711.14	+ 0.10	711.09	+ 0.05
GW-4	716.81	714.57	- 2.24	714.51	- 2.30
GW-5	721.43	718.29	- 3.14	721.07	- 0.36

As shown in the above table, the groundwater elevations measured in upgradient monitoring wells GW-2 and GW-5, and downgradient monitoring well GW-4, on March 6, 2009 were significantly higher than those measured on comparable dates. Specifically, the groundwater elevations measured in those wells on March 6, 2009 ranged from 2.24 feet (GW-4) to 3.14 feet (GW-5) higher than those measured on April 23, 2008. The groundwater elevations measured on March 6, 2009 ranged from 0.36 feet (GW-5) to 2.78 feet (GW-2) than those measured on March 8, 2007.

FIELD SCREENING

In conjunction with the groundwater level measurements, groundwater samples were collected and tested in the field for pH, specific conductivity and oxygen reduction potential (ORP). The field monitoring results of the four most recent monitoring events are presented in Table 1 *Summary of In-Situ Field Measurements.*

As shown on Table 1, pH levels have increased during the current monitoring event. In comparison to the results obtained during the last year, this increase is most notable in the samples collected from monitoring wells GW-2, GW-4 and GW-5. The reason for the apparent increase in pH levels is not clear, but it is noted that the highest pH levels were measured in samples collected on March 6, 2009 from upgradient monitoring wells GW-2 and GW-5. The pH levels measured in samples collected from monitoring wells positioned downgradient from GW-2 and GW-5 were lower, suggesting a potential upgradient pH source. It is also noted that the groundwater elevations measured in monitoring wells GW-2 and GW-5 on March 6, 2009 ranged between about 2 and 3 feet higher (see above) than those measured on comparable dates in previous years (e.g., April 23, 2008 and March 8, 2007). It is not clear if the increase in groundwater elevation is related to the elevated pH levels. However, a limited review of historic data suggests a potential correlation between increased groundwater water elevations and pH levels.

The specific conductivities measured on March 6, 2009 are generally comparable to those measured during the monitoring events conducted during the past year. With the exception of the sample collected from monitoring well GW-3, positive ORP measurements (i.e., indicating an oxidizing environment) were obtained in the samples collected from the monitoring wells on March 6, 2009. The negative ORP measured in the sample from GW-3 (i.e., indicating a reducing environment) is not consistent with the measurements made in samples collected from this monitoring well during the past year, which were positive. A definitive trend or pattern can not be ascertained from the specific conductivity and ORP measurements collected during the past year.

SITE VISIT

A copy of a report summarizing the site visit conducted to assess the condition of the IRM closure area completed on March 6, 2009 is included as Attachment A. As shown, no apparent deficiencies to the closure area requiring immediate repair were noted during the site visit. However, some areas of minor sloughing and erosion were observed on the northern slope of the closure area (i.e., in proximity of monitoring well GW-4). This area should be observed during future monitoring events to assure that this area does not degrade further. Action items related to the monitoring system requiring immediate attention were not identified, although some repairs should be made to select monitoring wells, including replacement of bailers/cords.

The next scheduled monitoring event at the Site is scheduled for on or about June 5, 2009. During this upcoming event, samples will be collected for analytical laboratory testing.

Please contact DAY if there are any questions or additional information is required.

Very truly yours,
Day Environmental, Inc.

Raymond L. Kampff
Associate

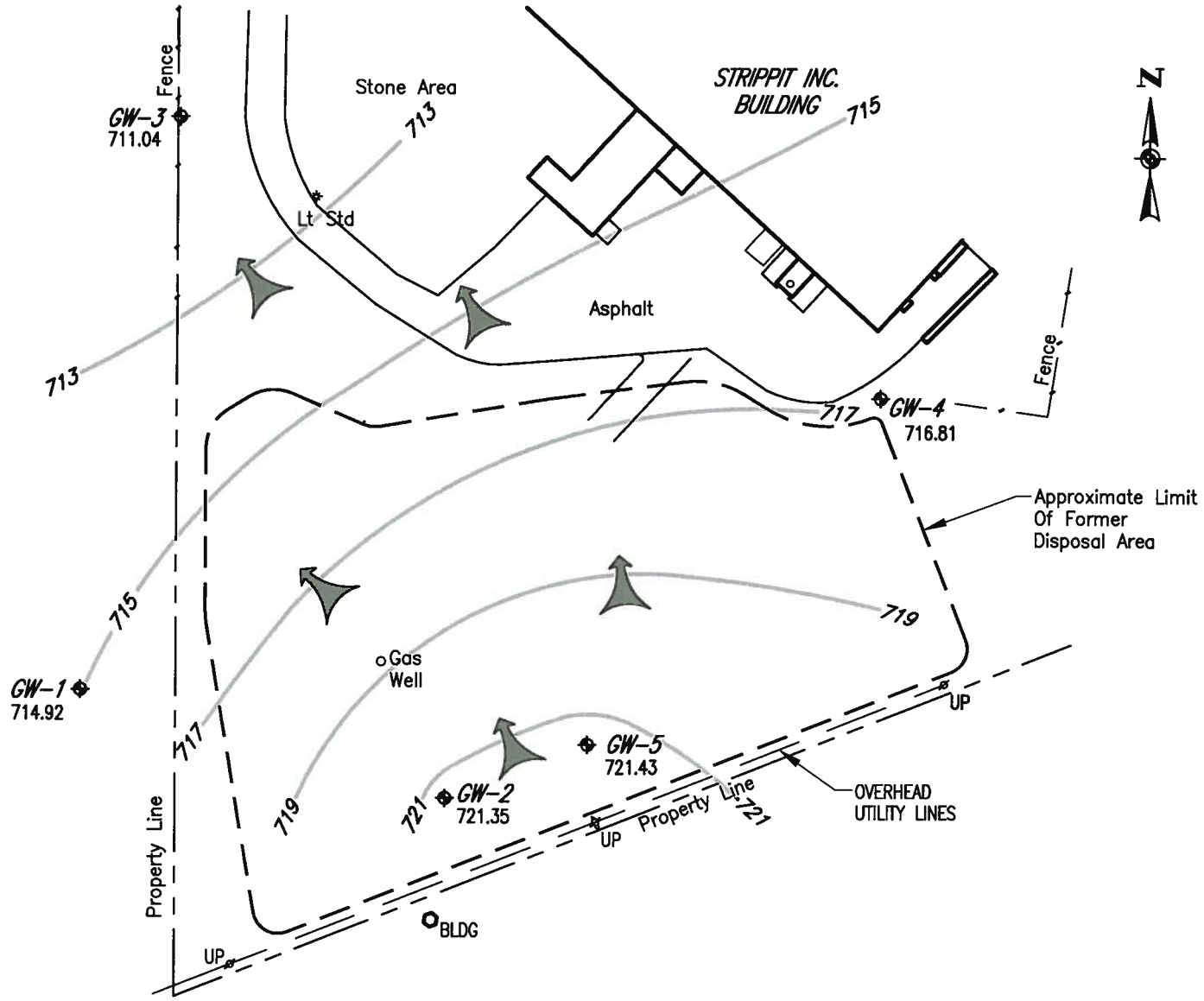
Figure 1: Groundwater Potentiometric Map for March 6, 2009

Table 1: *Summary of In-Situ Field Measurements*

Attachment A: Site Visit Monitoring Report for March 6, 2009

cc: B. Carlisle

RLK 4076
1863R-99



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-1 714.92 — Groundwater Monitoring Well With Groundwater Elevation Obtained On March 6, 2009.

Potentiometric Contour Line For March 6, 2009 Created By Golden Software Inc., Surfer8 Program

Apparent Direction Of Groundwater Flow

DATE: 3-12-2009	DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK 14614-1008 NEW YORK, NEW YORK 10165-1617	PROJECT TITLE: STRIPPIT, INC. AKRON, NEW YORK GROUNDWATER MONITORING	PROJECT NO.: 1863R-99
DRAWN BY: RJM		DRAWING TITLE: Groundwater Potentiometric Contour Map For March 6, 2009	FIGURE 3
SCALE: 1" = 100'			

Ref1: GW Contours 3-6-09.dwg Ref2: Ref3: Pen Setting File: 800psFullcolor.ctb
Time Plotted: Thursday, March 12, 2009 11:39:33 AM File Name: P:\Drawings\Strip\Strip61.dwg Layout: Layout1

Table 1: Summary of In-Situ Field Measurements
Strippit, Inc.
Akron, New York
NYSDEC Site Number 9-15-053

Monitoring Well	Date	pH (s. u.)	Specific Conductivity (mS/cm)	ORP (mV)
GW-1	4-23-2008	10.37	1.38	44
	7-14-2008	10.56	1.07	84
	10-22-2008	8.62	0.742	89
	3-06-2009	10.64	0.99	76
GW-2	4-23-2008	10.49	0.547	37
	7-14-2008	10.59	1.002	67
	10-22-2008	10.49	0.591	71
	3-06-2009	11.23	0.50	92
GW-3	4-23-2008	6.93	0.645	42
	7-14-2008	6.93	0.884	122
	10-22-2008	7.64	0.631	97
	3-06-2009	8.13	0.54	-46
GW-4	4-23-2008	9.87	0.563	83
	7-14-2008	7.81	0.494	77
	10-22-2008	9.76	0.591	27
	3-06-2009	10.92	0.54	134
GW-5	4-23-2008	9.38	0.584	61
	7-14-2008	9.38	0.742	106
	10-22-2008	10.42	0.512	77
	3-06-2009	11.05	0.59	120

ATTACHMENT A

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

Date of Inspection: March 6, 2009

Inspected By: R. Kampff

Summary of Observation:
General Condition of Cover: Cover is in generally good condition with some evidence of frequent deer traffic (i.e., hoof prints and worn vegetation paths)

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

Explain (include measurement & site sketch): areas of slight erosion and sloughing noted on the northern face of closure area (near monitoring well GW-4)

Evidence of cracking: ☒ Yes ☐ No

Explain (include measurements and site sketch): An approximate 6-inch diameter hole about 8 inches deep observed in cover slope (i.e., located about 25 feet southwest of monitoring well GW-4)

Evidence of water seepage: ☐ Yes ☒ No

Explain: _____

Evidence of Settlement: ☐ Yes ☒ No

Explain: _____

Condition of monitoring wells and gas wells: Wells are in good condition; gas well operating; monitoring wells GW-1 and GW-2 missing T-plug; Cord needs to be replaced in monitoring well GW-4.

Condition of Vegetative Cover: Vegetative cover is thick, but not growing due to season; no future problems anticipated

Condition of drainage ways (discuss amount of water/sediments present, vegetative growth unusual staining, blockage, etc.).: Vegetation (including seedlings 1 to 2 inches in diameter) observed within the retention basin and some points on drainage way; no blockages noted; drainage system appears functional

Additional Comments: _____

Action Item(s) Required: As noted above, replace J-plugs and cord for bailers in selected monitoring wells; observe condition of slope for future cracking and erosion (i.e.) in proximity of monitoring well GW-4).

Action Item(s) completed since last inspection: Replaced bailers in monitoring wells GW-4 and GW-5

Signatures: Raymond L Coppett