DSS 25
Scan

day
DAY ENVIRONMENTAL, INC.

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

March 23, 2005

Mr. Jaspal S. Walia, P.E.
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. Walia:

On March 14, 2005, Day Environmental, Inc. (DAY) completed a site visit at the above-referenced property (Site). This letter describes findings of the work completed.

GROUNDWATER ELEVATIONS AND pH MEASUREMENTS

The depth to groundwater was measured in each monitoring well using an electronic tape water level meter. In conjunction with the groundwater level measurements, groundwater samples were collected and tested for pH using a Cole-Palmer Digi-Sense pH meter. The groundwater depths/elevations measured on March 14, 2005 are presented in the following table:

Well Identification	Top of Casing Elevation (ft.)	Groundwater Depth (ft.)	Groundwater Elevation (ft.)
GW-1	754.32	40.09	714.23
GW-2	770.62	49.74	720.88
GW-3	742.59	32.88	709.71
GW-4	752.24	36.11	716.13
GW-5	771.26	50.41	720.85

A groundwater contour map developed for the March 14, 2005 monitoring event is attached as Figure 1. As shown, groundwater flow at the Site is generally to the north and northwest. The groundwater levels measured on March 14, 2005 are generally lower than those measured during the monitoring event conducted on December 30, 2004 (i.e., due to seasonal variations), but the flow direction is similar for each monitoring event. 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.

A table summarizing pH measurements made during the March 14, 2005 and previous quarterly monitoring events is presented below:

Quarterly Monitoring Round	pH in Standard Units with Groundwater Monitoring Well Identification				
	GW-1	GW-2	GW-3	GW-4	GW-5
12/12/01	8.76	11.18	6.45	9.68	10.93
3/7/02	9.80	11.15	8.74	9.94	10.51
6/20/02	7.22	9.16	6.03	8.90	9.73
10/9/02	NA	NA	NA	NA	NA
1/10/03	7.13	10.32	5.60	10.28	11.06
3/12/03	10.30	11.26	7.50	9.80	10.20
6/10/03	9.02	10.60	7.78	9.56	10.60
9/2403	7.34	8.67	5.57	7.80	8.11
1/22/04	7.88	10.53	7.04	8.87	10.04
4/16/04	11.61	11.53	6.88	9.95	10.90
6/29/04	10.76	11.73	6.97	8.97	11.18
9/30/04	10.60	9.95	7.49	9.47	11.46
12/30/04	7.89	8.93	6.55	8.46	8.86
3/14/05	10.92	11.13	7.45	9.97	10.49

As shown, the pH levels measured in samples collected from monitoring wells GW-2 and GW-5, and to a lesser extent within downgradient monitoring well GW-4, are historically elevated. However, during recent monitoring events, an apparent trend of increasing pH levels has been identified in samples collected from downgradient monitoring well GW-1. Although the reason for the apparent pH increase in samples from GW-1 is not known, it appears the increase could be related to seasonal conditions. For example, during recent monitoring events pH levels in GW-1 generally decrease each quarter from the highest levels measured in March/April.

SITE VISIT

A site visit was completed during the March 14, 2005 monitoring event. A copy of a report summarizing this visit, as well as photographs taken at the time of this site visit, are presented as Attachment A. During the March 14, 2005 visit, the Site was covered with three to four inches of snow, but the landfill area appeared to be in relatively good condition. During previous site visits, an area of sloughing was identified along the northern slope of the IRM closure area. During the March 14, 2005 site visit, the area of sloughing was covered with snow and was not completely visible. In addition, petroleum sheen was observed during previous visits on standing water within the drainage trench along the northern slope of the IRM closure area. During the March 14, 2005 site visit, small pools of frozen water were dispersed along the drainage trench. This water appeared to be from snowmelt that had refrozen in the low-lying areas. Evidence of a sheen or petroleum impact was not observed on this frozen water

RECOMMENDATIONS

The area of sloughing observed during previous site visits should continue to be monitored. If this area of sloughing does not appear to be deteriorating, no additional work is recommended. In addition, monitoring of pH levels should continue on a quarterly basis to evaluate seasonal variations and to determine if remediation is warranted.

The next scheduled monitoring/sampling event at the Site is on or about June 13, 2005.

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

Very truly yours,
Day Environmental, Inc.

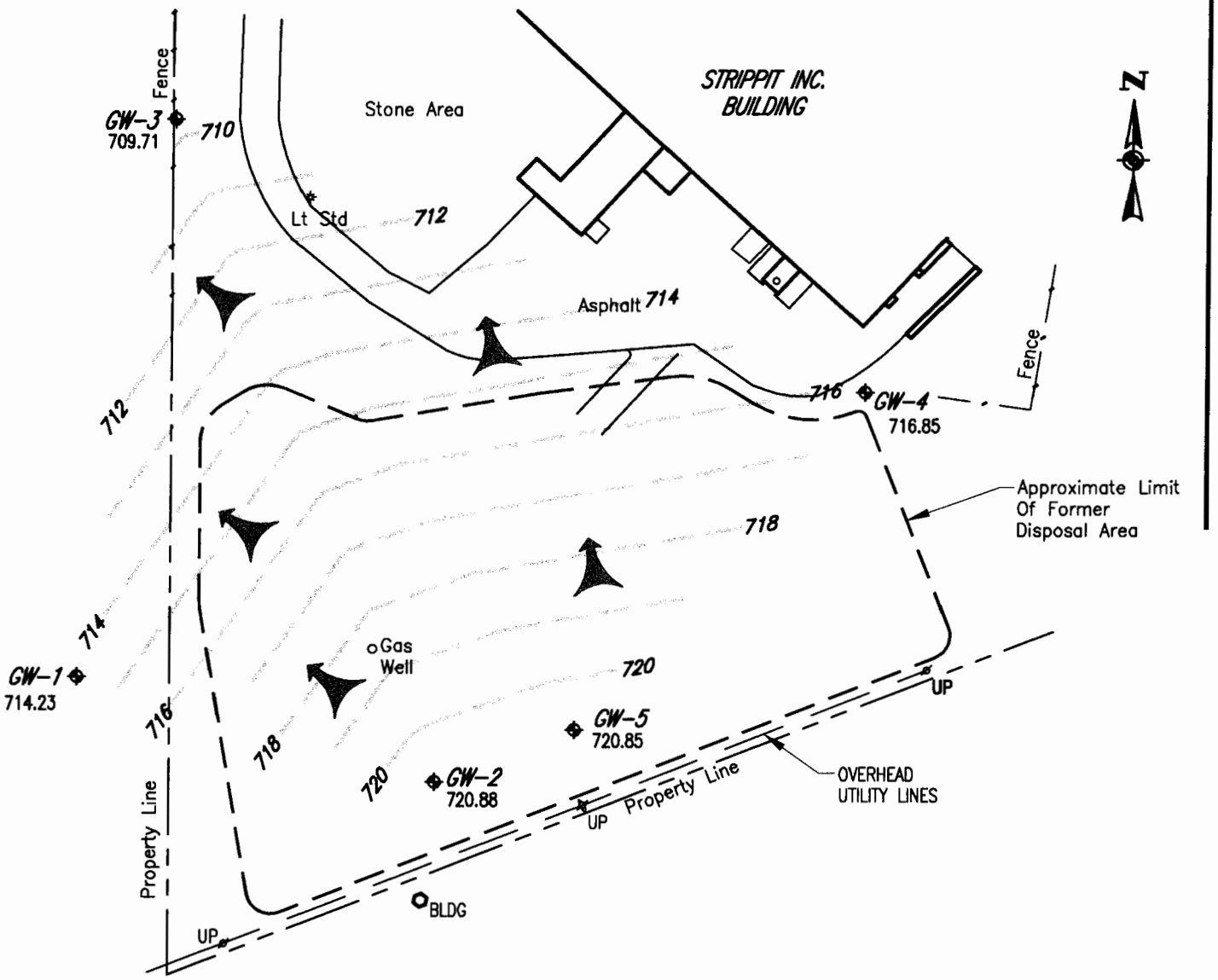
Raymond L Kampff

Raymond L. Kampff
Associate

RLK/cd
Attachments

cc: Brian Carlisle, Strippit

FIGURE 1



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-1 714.23 — Groundwater Monitoring Well With Groundwater Elevation Obtained On March 14, 2005.

Potentiometric Contour Line For March 14, 2005.

Apparent Direction Of Groundwater Flow

DATE 03/17/2005 DRAWN BY RJM SCALE 1"=100'	**day** 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 DRAWING TITLE Groundwater Potentiometric Contour Map For March 14, 2005	PROJECT NO. 1863R-99 **FIGURE 1**

Ref1: Time Printed: Thur Mar 17 11:40 2005 Ref2: Ref3: Filename: \Strip\Strip47.dwg

ATTACHMENT A

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

Date of Inspection: March 14, 2005

Inspected By: Chris Davidson

Summary of Observation:
General Condition of Cover: Cover appears in good condition, 3 to 4 inches of snow cover at time of site visit.

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

Explain (include measurement & site sketch):
No evidence of sloughing noted.
Snow cover in area of previos noted sloughing.

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: Gas wells are in good condition, monitoring wells are in good condition, outer casing rusting, dedicated rope is starting to unravel and fray.

Condition of Vegetative Cover: Vegetative cover appears in good condition, snow cover at time of site visit

Condition of drainage ways (discuss amount of water/sediments present, vegetative growth unusual staining, blockage, etc.). Drainage ways in good condition, small amounts of frozen water noted, no unusual vegetative growth noted.

Additional Comments: –

Action Item(s) Required: Possible replacement of dedicated rope for each monitoring well.

Action Item(s) completed since last inspection: –

Signatures:

S/fieldforms/strippit.log

Monitoring Well GW-3.

View of drainage swale on western side of parking lot, looking north.

1863R-99
Strippit - Landfill Monitoring
Akron, New York
3/14/05

View of closure cover gas well (on left side of picture), looking west.

View of northern slope of closure area, looking southwest from parking lot.

1863R-99
Strippit - Landfill Monitoring
Akron, New York
3/14/05