PERIODIC REVIEW REPORT (2015)
SOUTH HILL DUMP
NYSDEC SITE NO. 712009

WORK ASSIGNMENT NO. D007619-16

Prepared for:

New York State Department of Environmental Conservation
Albany, New York

Prepared by:

MACTEC Engineering and Consulting, P.C.
Portland, Maine

MACTEC: 3617137309

DECEMBER 2015

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DECEMBER 2015

Submitted by:

Brianna Chute w/permission by R.G.

Rebecca Gabryszewski
Senior Regulatory Specialist

Approved by:

Mark Stelmack

Mark J. Stelmack, P.E.
Project Manager

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GLOSSARY OF ACRONYMS AND ABBREVIATIONS

Aztech	Aztech Environmental Technologies
EC	engineering controls
IC	institutional controls
LTM	long term monitoring
MACTEC	MACTEC Engineering and Consulting, P.C.
NYS	New York State
NYSDEC	New York State Department of Environmental conservation
PCBs	polychlorinated biphenyls
PRR	Periodic Review Report
ROD	Record of Decision
Site	South Hill Dump
SM	site management
SMP	site management plan
TAL	target analyte list
VOC	volatile organic compound

EXECUTIVE SUMMARY

The South Hill Dump site (Site No. 712009; herein referred to as the Site) is a Class 4 inactive hazardous waste site in the Registry of Hazardous Waste Sites in New York State. It is located in the Town of Cortlandville, Cortland County, New York, approximately two miles south of the Village of McGraw. The Site is comprised of a closed landfill on a 10.9 acre parcel. The Site was remediated in accordance with the Record of Decision (ROD) dated January 2008 (New York State Department of Environmental Conservation, 2008). The Site includes an engineered landfill cover system, which overlies wastes contaminated with polychlorinated biphenyls, volatile organic compounds, and metals. Remedial requirements in the ROD for the Site were established to prevent direct contact with contaminated soil and/or groundwater, and to prevent contaminated surface water and groundwater from migrating off-site. In accordance with the Site Management (SM) Plan (MACTEC Engineering and Consulting, P.C. [MACTEC], 2015), current SM requirements for monitoring the performance and effectiveness of the remedial measures completed at the Site consist of semi-annual Site inspections and environmental monitoring at 15-month intervals.

This Periodic Review Report summarizes SM activities completed at the Site during 2015, and includes an evaluation of the effectiveness of the remedial action. MACTEC concludes that during the reporting period SM requirements were met, that the remedy for the Site is appropriate, and added measures to current SM requirements are not recommended at this time.

1.0 SITE HISTORY

The South Hill Dump Site (Site) is located at in the Town of Cortlandville, Cortland County, New York (Figure 1.1). The Site is currently listed as a Class 4 Inactive hazardous waste site - Site No. 712009 - in the Registry of Hazardous Waste Sites in New York State (NYS).

The Site is located approximately two miles south of the Village of McGraw, on the south side of South Hill Road (Figure 1.1). Much of the property is steeply sloped. The area surrounding the Site includes wooded areas, orchards, as well as active and former farm fields. A mix of forested areas and apple orchards are located east of the Site. The topography in this area slopes to the south, toward an unnamed stream located approximately 1/4 mile south of the Site (MACTEC Engineering and Consulting, P.C. [MACTEC], 2006).

Two residential parcels abut the Site and are located along the southern and eastern sides of South Hill Road; the closest residence is less than ¼ mile southwest of the Site. The area west and north of the Site consists primarily of active farm land. A former apple orchard is located farther west. A mix of meadow, farm land, apple orchards, and forest area is located northeast of the Site. The Tioughnioga River is located within two miles of the Site, to the southwest. The unnamed stream located south and east of the Site discharges to the Tioughnioga River via Hoxie Gorge Creek.

The Site was operated as a municipal waste disposal facility by the Town of Cortlandville from the early 1960s until 1972, although it is reported that local residents used the Site for trash disposal as early as 1949. During its years of operation, wastes were received from the Village of McGraw and the Towns of Cortlandville and Solon, as well as local industry. Access to the Site was reportedly unrestricted during this time. It has also been reported that waste was often permitted to burn during landfill operation, and that at one time a waste oil pit may have existed. Operations are reported to have involved pushing waste over the working face of the landfill with some spreading and compaction. Cover material was reportedly spread one or more times per week. Prior to remedial action, waste was observed protruding from the surface of the landfill across much of the Site, and included road construction debris, brush, stumps, tires, white metal, automobile parts, and miscellaneous industrial waste materials. Numerous decomposed drums were present across many areas of the landfill (MACTEC, 2006).

The remedial action was conducted at the Site in 2011 and 2012, in accordance with the Record of Decision (ROD), and as documented in the Final Engineering Report (MACTEC, 2014).

The remedial action included the following activities:

- Installation of stabilized vehicle entrance
- Installation of perimeter erosion and sedimentation controls
- Clearing of trees and brush above the ground surface
- Grubbing of areas within the limit of grading, and disposal of grubbings on-site (beneath the new landfill cover)
- Excavation of on-site waste outside the new solid waste boundary and consolidation within the new solid waste boundary
- Decommissioning of two existing groundwater monitoring wells (MW-3S and MW-3B)
- Installation of additional erosion and sedimentation controls and measures, including a sedimentation basin, in preparation for landfill grading and soil cover installation
- Grading of the landfill within the new solid waste boundary to achieve subgrade
- Excavation for installation of landfill storm water controls (slope benches and downdrains) within the new solid waste boundary
- Removal of bulky waste items uncovered during the course of waste consolidation and landfill grading, with off-site disposal of removed bulky wastes
- Characterization and offsite disposal of uncovered buried waste drums, drum nests, and drum remnants
- Installation of 24 inch landfill cover system including associated landfill storm water controls
- Installation of landfill gas vents
- Installation of perimeter access road with waterbars
- Installation of perimeter storm water controls including riprap drainage channels and culverts
- Conversion of the sedimentation basin to a storm water detention basin
- Installation of two new groundwater monitoring wells (MW-3SR and MW-3BR)
- Seeding and mulching of all disturbed areas within the limit of work.

2.0 SITE MANAGEMENT STATUS

This Periodic Review Report (PRR) documents the site management (SM) activities conducted by MACTEC and by NYS Department of Environmental Conservation (NYSDEC) callout contractor Aztech Environmental Technologies (Aztech) during the period January 1, 2015 to December 31, 2015:

- Site inspection conducted by MACTEC in May 2015
- Mowing of the landfill and surrounding vegetated areas conducted by Aztech in May 2015 and in September 2015
- Visual inspection of drainage and erosion control structures conducted by Aztech in May 2015 and in September 2015

This PRR was completed using site specific documentation including the Site's ROD (NYSDEC, 2008) and the SM Plan (SMP) (MACTEC, 2015). This PRR was prepared to document that the established controls required by the SMP are operational and effective, that the SMP is being implemented and conducted accordingly, and that the remedy remains protective of the environment and/or public health.

SM requirements as defined in the SMP are provided in Table 2.1. These include:

- annual review/inspection of institutional/engineering controls (IC/EC) at the Site
- long term monitoring (LTM) and analysis of groundwater, surface water and sediment (Figure 2.1).

Existing shallow and deep monitoring wells are monitored to evaluate contaminant concentrations in groundwater as compared to site cleanup goals (NYS Class GA Standards [6 New York Codes, Rules and Regulations Parts 700-705] for volatile organic compounds (VOCs) and metals) (NYS, 1999).

Surface water sample results are monitored for comparison to site cleanup goals for VOCs, target analyte list (TAL) metals, and polychlorinated biphenyls (PCBs) (Technical and Operational Guidance Series 1.1.1, "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" [NYSDEC, 1998]).

Sediment samples results are compared to Technical Guidance for Screening Contaminated Sediments, 1999 for VOCs, TAL metals, and PCBs (NYSDEC, 1999).

SM activities completed during the reporting period and an evaluation of the performance, protectiveness, and effectiveness of the remedial action are summarized below.

2.1 INSTITUTIONAL CONTROLS/ENGINEERING CONTROLS PLAN

Because remaining contamination is present at this Site, ECs and ICs have been implemented to protect public health and the environment for applicable future use. The Controlled Property has the following ECs:

- a cover system placed over the landfilled waste
- site access controls
- surface water drainage conveyance
- landfill gas vents

A series of ICs are required to implement, maintain and monitor these ECs. The Environmental Easement requires compliance with these ICs, to ensure that:

- All ECs must be operated and maintained as specified in the SMP
- All ECs on the Site must be inspected and certified at a frequency and in a manner defined in the SMP
- Environmental monitoring must be performed as defined in the SMP
- Data and information pertinent to SM for the Controlled Property must be reported at the frequency and in a manner defined in the SMP
- On-site environmental monitoring devices, including but not limited to groundwater monitoring wells, must be protected and replaced as necessary to ensure continued functioning in the manner specified in the SMP.

During the reporting period, the ECs were inspected in May 2015 in accordance with the SMP. The inspection report is included in Appendix A. During the site inspection the following conditions were noted:

- A small animal burrow is located on the east side slope bench, approximately 32 feet south of GV-4
- The amount of rip rap was relatively thin, and vegetation is growing in eastern drainage swale

- The stone check dam in the southeast corner of the site is in disrepair
- Minor rutting was observed cutting across the perimeter road exiting the southeast corner of the downdrain terminus, and in the southwest extension of the perimeter road starting downgradient of the end of the west drainage swale downgradient of culvert C-3
- A small pile of riprap observed in upper parking area from previous maintenance conducted on the drainage swales

2.2 LONG TERM MONITORING PLAN

The LTM program defined in the SMP includes groundwater elevation monitoring; monitoring well inventory and repair; groundwater sampling and analysis; and surface water sampling and analysis. The Site monitoring locations are shown on Figure 2.1. Table 2.2 summarizes the sampling and analysis plan for site monitoring locations. The LTM program was not conducted during the reporting period. The next LTM sampling event is scheduled for March 2016.

2.2.1 Groundwater Elevation Monitoring

Groundwater elevation readings were not collected during the reporting period. Elevation readings will be collected during the next LTM sampling event scheduled for March 2016.

2.2.2 Monitoring Well Inventory and Repair and Monitoring Well Installation

During the May 2015 site inspection, existing groundwater monitoring wells were observed to be in good condition and not in need of repair.

2.2.3 Environmental Sampling and Analysis

Groundwater, surface water, and sediment samples were not scheduled to be collected during the reporting period. The next LTM event is scheduled for March 2016. Samples collected at that time will be analyzed for VOCs, PCBs, and TAL metals as specified in the SMP.

2.3 O&M PLAN

The SMP recommends that periodic inspections of the Site be conducted; the site inspections are to include the landfill cover system, surface water drainage conveyance system, landfill gas vents, monitoring wells, and perimeter fence.

During the reporting period a site inspection was conducted (in May 2015) in accordance with the SMP. Inspection observations were recorded using the landfill inspection form and a photographic log; the inspection report is included in Appendix A. Inspection findings are discussed in Section 2.1 of this report. Site deficiencies noted during the inspection are minor and do not require repair at this time. MACTEC will continue to monitor these items and will coordinate their repair should they impact the integrity of the ECs of the site.

To help encourage thickening of the grass cover and discourage other vegetation from propagating, Aztech completed mowing of the landfill grass and vegetative cover in May 2015 and in September 2015. While onsite, Aztech conducted visual inspections of the site's drainage and erosion control structures. A report of the activities is included in Appendix B.

3.0 CONCLUSIONS AND RECOMMENDATIONS

Current SM activities being conducted at the Site are in compliance with the requirements of the Site's SMP (see Table 2.1).

Based on the findings presented in this PRR, the following recommendations are provided:

ICs/ECs Plan

Based on a review of the environmental easement and site inspection reports, no actions are needed relative to the ICs/ECs.

Monitoring Plan

LTM activities should continue as scheduled (next 15 month sampling event is scheduled for March 2016).

Based on the findings presented herein, adherence to the SMP requirements for the Site is effective with respect to monitoring the status of remedial requirements established in the ROD because:

- direct contact with the waste at the Site is eliminated
- migration of contaminants via groundwater is prevented
- migration of contaminants via surface water is prevented.

Additional corrective measures for the Site beyond those currently being planned or implemented are not recommended or needed at this time.

4.0 REFERENCES

MACTEC, 2015. South Hill Dump Site, Cortland County, New York, Site Management Plan, Revision No. 03. December 2015.

MACTEC Engineering and Consulting, P.C. (MACTEC), 2014. Final Engineering Report, South Hill Dump Remedial Action, Site No. 712009. February 2014.

MACTEC Engineering and Consulting, P.C. (MACTEC), 2006. Feasibility Study Report: South Hill Dump, NYSDEC Site No. 712009. December 2006.

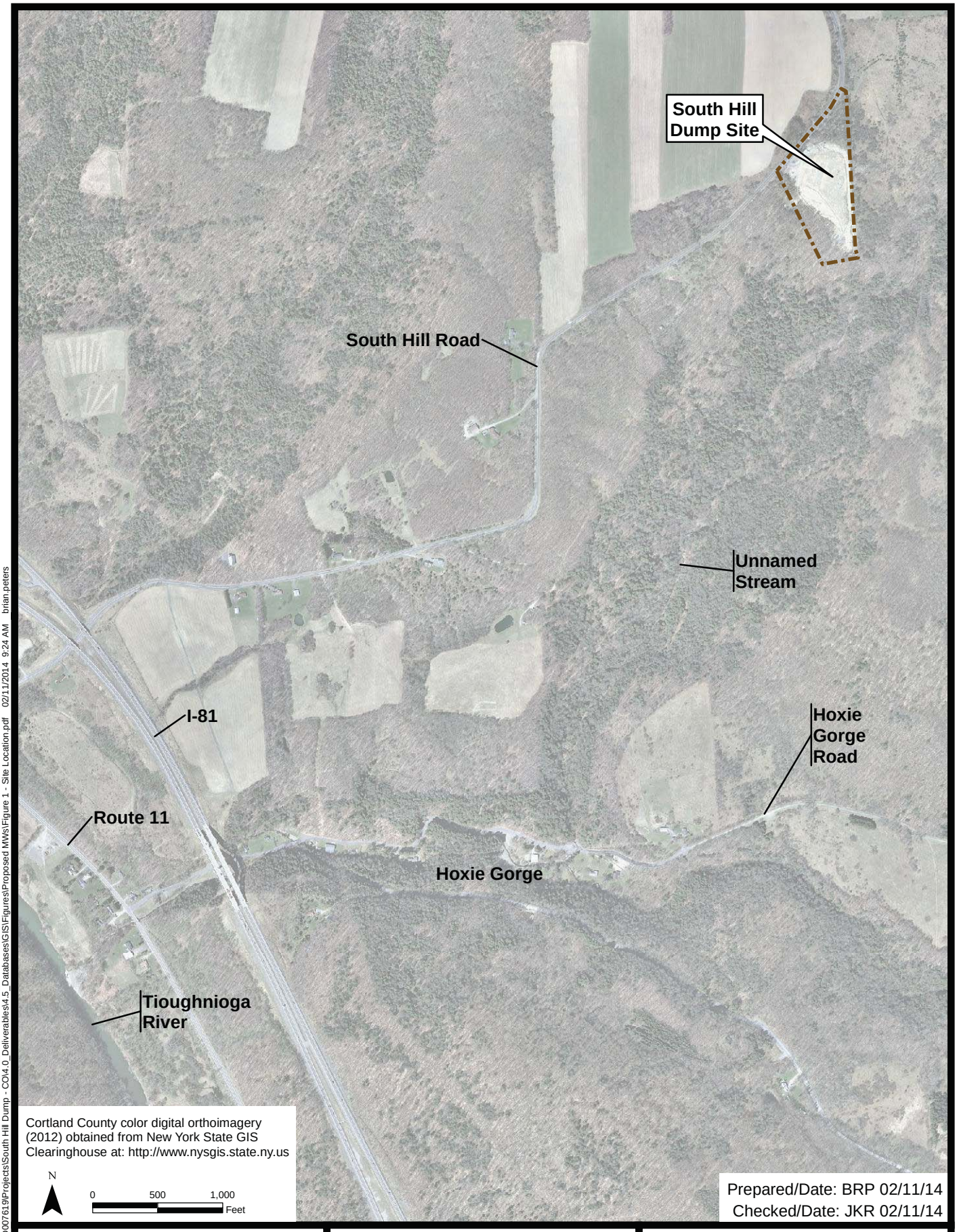
New York State Department of Environmental Conservation (NYSDEC), 2008. Record of Decision. South Hill Dump Site, Town of Cortlandville, Cortland County, New York, Site No. 712009. January 2008.

NYSDEC, 1999. Technical Guidance for Screening Contaminated Sediments. January 25, 1999.

NYSDEC, 1998. Division of Water Technical and Operational Guidance Series (TOGS), 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. October 1998 (revised).

New York State (NYS) 1999. 6 New York Codes, Rules and Regulations Parts 700-705. August 1999.

FIGURES



Prepared/Date: BRP 02/11/14
Checked/Date: JKR 02/11/14

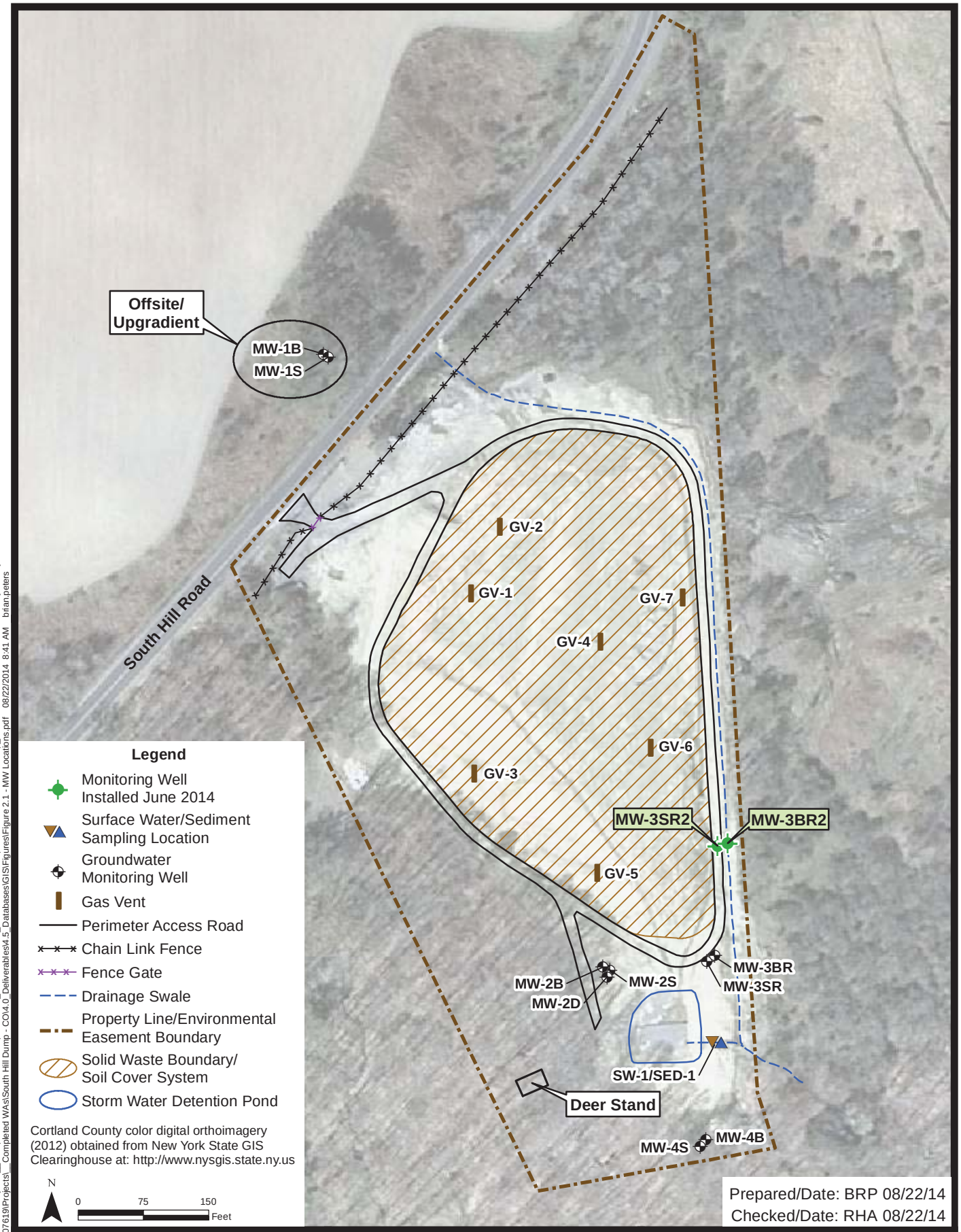
SOUTH HILL DUMP SITE
CORTLANDVILLE, NEW YORK

MACTEC

SITE LOCATION

Project 3617137309 Figure 1.1

Document: P:\Projects
ysdec1\Contract D007619\Projects\South Hill Dump - CO\4.0_Deliverables\4.5_Databases\GIS\MapDocuments\SiteLocationMap.mxd PDF: P:\Projects
ysdec1\Contract D007619\Projects\South Hill Dump - CO\4.0_Deliverables\4.5_Databases\GIS\Figures\Proposed MWs\Figure 1 - Site Location.pdf 02/11/2014 9:24 AM brian.peters



SOUTH HILL DUMP SITE
CORTLANDVILLE, NEW YORK

MACTEC

LONG TERM MONITORING LOCATIONS
Project 3617137309 Figure 2.1

TABLES

Table 2.1: Site Management Plan Requirements

(Inspection and Long Term Monitoring)

Component	Action	Required Frequency
LANDFILL		
Landfill Cover System	Inspection	Semi-annually in spring and summer*
Landfill Cover System	Mowing	Semi-annually in spring and summer
Site Drainage System	Inspection	Semi-annually in spring and summer*
Site Security	Inspection	Semi-annually in spring and summer
Access Road	Inspection	Semi-annually in spring and summer
Gas Vents	Inspection	Semi-annually in spring and summer
Ground Water Monitoring System	Inspection	Semi-annually in spring and summer
LONG TERM MONITORING		
Ground Water Monitoring Program		
11 monitoring locations	No purge sampling (Hydrasleeve)	Every 15 months (March 2016, June 2017)
Surface Water/Sediment Monitoring Program		
1 monitoring location	Surface Water/Sediment grab sampling	Every 15 months (March 2016, June 2017)

Notes:
*Additional inspections to occur after a major rain event. A major rain event is defined as a five-year, 24-hour storm.

Table 2.2: Long Term Monitoring Sampling and Analysis Plan Requirements

Sample Locations	Metals (6010B)	PCBs (8082)	VOC (8260B)
MONITORING WELLS			
MW-1S upgradient	X	NA	X
MW-1B upgradient	X	NA	X
MW-2S downgradient	X	NA	X
MW-2D downgradient	X	NA	X
MW-2B downgradient	X	NA	X
MW-3SR downgradient	X	NA	X
MW-3BR downgradient	X	NA	X
MW-3SR2 downgradient	X	NA	X
MW-3BR2 downgradient	X	NA	X
MW-4S downgradient	X	NA	X
MW-4B downgradient	X	NA	X
SURFACE WATER			
SW-1 (Detention Basin Outfall)	X	X	X
SEDIMENT			
SED-1 (Detention Basin Outfall)	X	X	X

Notes:
An 'X' marked in a column indicates the analysis to be performed for that sample location.
VOCs = Volatile Organic Compounds
NA = Not Applicable

APPENDIX A

MAY 2015 INSPECTION REPORT (MACTEC)

APPENDIX I-1

New York Department of Environmental Conservation
Inactive Hazardous Waste Site
Inspection Form-Landfills

Site Name: South Hill Dump	NYSDEC Site Number: 712009	NYSDEC PM: D. Chiusano
Site Location: South Hill Road, Cortlandville, NY	Site Classification # (circle): 1 2 2a 3 (4)	Primary Site Contact: D. Chiusano

Site Inspection Date: 5/8/15	Purpose of Inspection: Annual Inspection		
Name of Inspector: Rick Walzak	Title: Technical Professional	Agency/Company: Mactec Engineering + Consulting	Address: 511 Congress St. Portland, ME
Phone Number: 860-529-7191			

Landfill Cover System				
Cover System Onsite?	(Yes)	No (Proceed to next Section)		Cover System Observations: Site and cover dry during inspection. Mowing completed yesterday. 1 Small animal burrow. SB-4. East side of slope bench. ≈ 32 ft South of GV-4. 6 inch diameter
Vegetative Cover Condition	(Good)	Poor	NA	
Evidence of Vegetative Stress	Yes	(No)	NA	
Mowing Required	Yes	(No)	NA	
Presence of Debris	Yes	(No)	NA	
Evidence of Ponded Water	Yes	(No)	NA	
Exposed Geotextile	Yes	(No)	NA	
Evidence of Erosion Settlement	Yes	(No)	NA	
Engineered Drainage Swale Condition	(Good)	Poor	NA	
Evidence of Leachate Seepage	Yes	(No)	NA	
Evidence of Erosion	Yes	(No)	NA	
Presence of Woody Growth	Yes	(No)	NA	
Animal Burrows	(Yes)	No	NA	
Stormwater Collection and Drainage				
Drainage Channel Condition	(Good)	Poor	NA	Collection System Observations: Rip rap thin and vegitation growing in East Drainage Swale ① East of MW-35R ② 20ft North of MW-3BR2 ③ Head of East Drainage Swale inside site fence.
Sedimentation	Yes	(No)	NA	
Debris	Yes	(No)	NA	
Erosion/Slope Loss	Yes	(No)	NA	
Evidence of Leachate Seepage	Yes	(No)	NA	
Rip-Rap Condition	(Good)	Poor	NA	
Condition of Synthetic Liner	Good	Poor	(NA)	
Culvert Condition	(Good)	Poor	NA	
Other Drainage Structures/Pipes	(Good)	Poor	NA	
Condition of Drainage Grates	(Good)	Poor	NA	
Retention Ponds	(Good)	Poor	NA	
Building Structures				
Are there any building structures at the site?	Yes	(No) (Proceed to next section)		Building Condition Observations:
Overall Exterior Condition	Good	Poor	NA	
Overall Interior Condition	Good	Poor	NA	
Interior Floor	Good	Poor	NA	
Vaulted Areas	Good	Poor	NA	
Leachate Collection System				
Is there a leachate collection system at the site?	Yes	(No) (Proceed to next section)		Collection System Observations:
Collection Trench Condition	Good	Poor	NA	
Transfer Flow Pipes	Good	Poor	NA	
Condition of Valves	Good	Poor	NA	
Leachate Pump Condition	Good	Poor	NA	
Holding Tank(s) Condition	Good	Poor	NA	
Leachate Transfer/Loading Area	Good	Poor	NA	
List other applicable components and their overall condition				
Environmental Monitoring Locations				
Is there a monitoring network at the site?	(Yes)	No (Proceed to next section)		Monitoring Network Observations:
Monitoring Wells/Piezometers	(Good)	Poor	NA	
Soil Gas Monitoring Probes	Good	Poor	(NA)	
Landfill Gas Vents	(Good)	Poor	NA	
List other applicable location types and their overall condition	NA			

APPENDIX I-1

New York Department of Environmental Conservation
Inactive Hazardous Waste Site
Inspection Form-Landfills

Interviews/Additional Contacts			
Name/Title	**Phone:**	**Company/Entity**	**Contact Information**
None			

Additional Observation Notes:

1) The stone check dam in the extreme south east corner of the site remains in disrepair.
2) Minor rutting observed: (A) Cutting across road coming from the down drain terminus east across road and (B) running down the road west of the tripple well cluster MW-2's leading to well cluster MW-4's. exiting the west drainage swale down gradient of culvert C-3.
3) Small pile of riprap observed in upper parking area. 6 x 8 x 2 Ft.

Photograph Log: Attached to report.
Photograph 1
Photograph 2
Photograph 3
Photograph 4
Photograph 5
Photograph 6
Photograph 7
Photograph 8
Photograph 9
Photograph 10

Performance Monitoring

Were check samples collected during this visit? Yes (No)

Sample type collected ***(circle or write in other)*** **:** Groundwater Sediment Soil Leachate Air Surface Water

List Parameters/Methods Collected Per Media:

Analytical Laboratory/Location:

Sample Observations:

MAY 2015 LANDFILL INSPECTION
SOUTH HILL DUMP SITE, SITE NO 712009
SOUTH HILL ROAD, CORTLANDVILLE, NY

ATTACHMENT: PHOTOGRAPHS

Photo 32 Description: East drainage swale Orientation: Facing south Source: MACTEC, May 2015 Site Inspection	
Photo 33 Description: Landfill cover northeast slope Orientation: Facing west Source: MACTEC, May 2015 Site Inspection	

Photo 34 Description: Landfill cover eastern slope Orientation: Facing south Source: MACTEC, May 2015 Site Inspection	
Photo 35 Description: SB-5 Orientation: Facing southeast Source: MACTEC, May 2015 Site Inspection	

Photo 36 Description: SB-1 and GV-5 Orientation: Facing east Source: MACTEC, May 2015 Site Inspection	
Photo 38 Description: Detention basin Orientation: Facing southeast Source: MACTEC, May 2015 Site Inspection	

Photo 39 Description: Downdrain terminus Orientation: Facing southeast Source: MACTEC, May 2015 Site Inspection	
Photo 40 Description: Detention basin culvert C-1 Orientation: Facing north Source: MACTEC, May 2015 Site Inspection	

Photo 41 Description: Detention basin outlet structure Orientation: Facing north Source: MACTEC, May 2015 Site Inspection	
Photo 42 Description: Culvert C-2 Orientation: Facing east Source: MACTEC, May 2015 Site Inspection	

Photo 43 Description: Lower portion of the east drainage swale Orientation: Facing south Source: MACTEC, May 2015 Site Inspection	
Photo 44 Description: Downdrain Orientation: Facing southeast Source: MACTEC, May 2015 Site Inspection	

Photo 45 Description: SB-6 Orientation: Facing south Source: MACTEC, May 2015 Site Inspection	
Photo 46 Description: SB-4 Orientation: Facing south Source: MACTEC, May 2015 Site Inspection	

Photo 47 Description: SB-2 Orientation: Facing south Source: MACTEC, May 2015 Site Inspection	
Photo 48 Description: Thin area of riprap with vegetation growing in the east drainage swale east of MW-3SR Source: MACTEC, May 2015 Site Inspection	

Photo 49 Description: Thin area of riprap with vegetation growing in the east drainage swale 20 feet north of MW-3BR2 Source: MACTEC, May 2015 Site Inspection	
Photo 50 Description: Western drainage swale and culvert C-3 Orientation: Facing northwest Source: MACTEC, May 2015 Site Inspection	

Photo 51 Description: Monitoring wells MW-4S and MW-4B Orientation: Facing southeast Source: MACTEC, May 2015 Site Inspection	
Photo 52 Description: Stone check damn in disrepair at the south east limit of the site Source: MACTEC, May 2015 Site Inspection	

Photo 53 Description: Minor rutting in the southwest extension of the perimeter access road Orientation: Facing south Source: MACTEC, May 2015 Site Inspection	
Photo 54 Description: West drainage swale Orientation: Facing southeast Source: MACTEC, May 2015 Site Inspection	

Photo 55 Description: Site access road Orientation: Facing west Source: MACTEC, May 2015 Site Inspection	
Photo 56 Description: Tiny riprap stockpile remaining on-site from maintenance on drainage swales Source: MACTEC, May 2015 Site Inspection	

Photo 57 Description: Thin area of riprap with vegetation growing at the head of the east drainage swale Orientation: Facing northwest Source: MACTEC, May 2015 Site Inspection	
Photo 58 Description: Upper portion of the east drainage swale Orientation: Facing southeast Source: MACTEC, May 2015 Site Inspection	

Photo 59 Description: Minor rutting coming from the down train terminus cutting across the perimeter access road to the east Orientation: Facing southwest Source: MACTEC, May 2015 Site Inspection	
Photo 60 Description: 6-inch diameter animal burrow on the east side of slope bench SB-4 located 32 feet south of gas vent GV-4 Orientation: Facing east Source: MACTEC, May 2015 Site Inspection	

APPENDIX B

SITE SERVICES STATUS REPORT (AZTECH)

Woman Owned Business
Aztech Environmental
TECHNOLOGIES
5 McCrea Hill Road • Ballston Spa, New York 12020

September 25, 2015

VIA EMAIL: mark.stelmack@amecfw.com

Mr. Mark Stelmack - AMEC
AMEC Environment & Infrastructure
511 Congress Street, Suite 200,
Portland, Maine 04101, USA

RE: Site Services Status Report
South Hill Dump Site
South Hill Road
Cortlandville, Cortland County, NY
NYSDEC Site No. 712009

Dear Mr. Stelmack:

Aztech Technologies, Inc. (Aztech) has prepared the following correspondence to summarize the site work activities conducted at the South Hill Dump Site, New York State Department of Environmental Conservation (NYSDEC) site number 712009 located on South Hill Road in Cortlandville, New York

Aztech conducted the following site work on May 5-6 and September 22-23, 2015:

- Mow the landfill and surrounding vegetated areas
- Inspection of drainage and erosion control structures

Mowing Activities

May, 2015: Aztech performed mowing and trimming activities at the site using a Massey Ferguson MF 1635 tractor with brush hog/mower attachment, and weed whacker. The extents of the mowing were detailed in the SOW and included the landfill, the detention pond area and the immediate areas outside the drainage swales. These areas were mowed down to between 6 to 10 inches above the existing ground surface. All grass clippings were left in place.

September, 2015: Aztech performed mowing and trimming activities at the site using a Takeuchi TL 10 track loader with brush hog/mower attachment, walk-behind brush hog, and weed whacker. The extents of the mowing were detailed in the SOW and included the landfill, the detention pond area and the immediate areas outside the drainage swales. These areas were mowed down to between 6 to 10 inches above the existing ground surface. All grass clippings were left in place.

Photo 1 – May 2015: Mowing (looking south)

Photo 2 May, 2015: Mowing (looking southeast)

Photo 3 – September 2015: Mowing Entrance Area (looking northwest)

Photo 4 – September 2015: Mowing (looking east)

Photo 5 September, 2015 mowing (looking north)

Visual Site Inspection
All riprap and drainage swales were in good condition on both the May and September 2015 site visits. Inspection of the detention pond outlet control structure and proximate area show the structure and the area to have minimal forest litter and debris.

Future Tasks
Aztech recommends a fall 2016 Site visit to continue with vegetation control and erosion monitoring. Please inform Aztech if this task is approved.

If you have any questions or comments regarding the information contained herein, please contact this office at 518-885-5383.

Sincerely,
AZTECH ENVIRONMENTAL TECHNOLOGIES

William A. Toran
Sr. Hydrogeologist

Cc: D. Chiusano – NYSDEC