



2017 Site Inspection Report

Lockport City Landfill
NYSDEC Site No. 9-32-010

City of Lockport, New York
Department of Public Works

GHD | 285 Delaware Avenue Suite 500 Buffalo New York 14202
11137273 | Report No 1 | January 8, 2018



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1. Introduction

The Lockport City Landfill site is located on Oakhurst Street in the City of Lockport, Niagara County, New York. The landfill, assigned the site registry number 9-32-010, is the subject of this report.

The Remedial Action Design for the Site included a Long-Term Monitoring Plan and Operation and Maintenance Plan that were approved by the New York State Department of Environmental Conservation (NYSDEC) in March 1994. The purpose of the Long-Term Monitoring Plan is to provide information to evaluate and monitor the long-term effectiveness of the remedial work. The Operation and Maintenance Plan includes site inspections and analytical testing to identify any potential problems at the landfill that are not being adequately addressed by routine maintenance, and to document the current condition of the landfill. A site plan of the Lockport City Landfill is presented on Figure 1.

The purpose of this report is to present the findings of the 21st site inspection conducted at the Lockport City Landfill on October 25, 2017. This is the first landfill monitoring event of the third contract dated February 14, 2017 between GHD Consulting Services Inc. and the City of Lockport. The present contract includes 5 years of service with the last year of service scheduled for 2021.

2. Site Inspection

The following personnel attended a site inspection on October 25, 2017 of the Lockport City Landfill:

- Rolando Moreno, Engineering, City of Lockport (City)
- Brian Sadowski, New York State Department of Environmental Conservation
- David Rowlinson, GHD Consulting Services Inc.

The completed Inspection Log Sheets for the October 2017 site inspection is presented in Attachment A. The following is a summary of items that were observed during the site inspection:

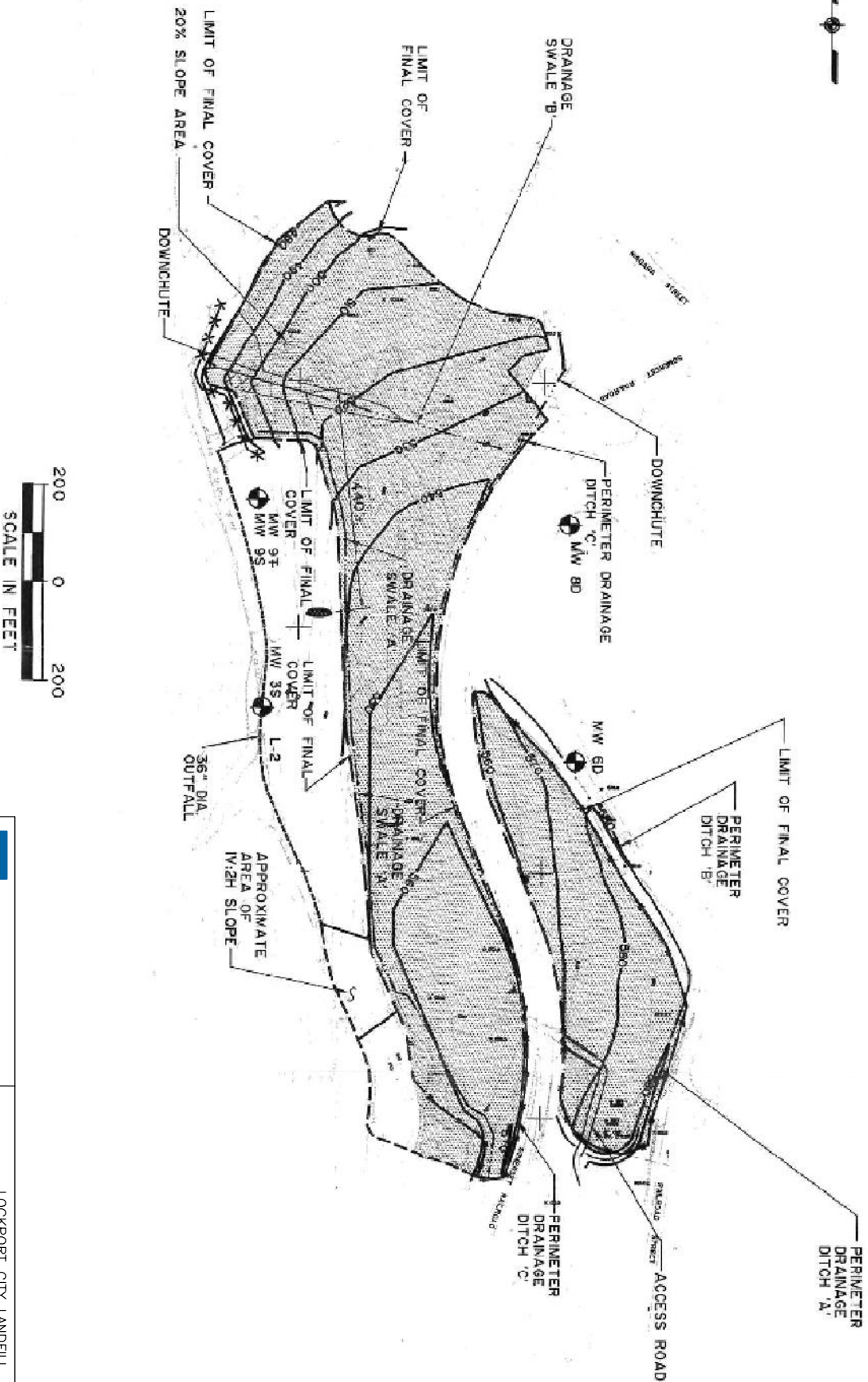
- **Landfill Cap** - Overall, the cap was in good condition with vegetation well-established. The landfill was mowed after August 15 as requested and prior to the October 2017 inspection.
- **Perimeter Ditch "A"** - Vegetation is well-established and no erosion had occurred during the October 2017 site inspection.
- **Perimeter Ditch "B"** - Vegetation is well-established and no erosion had occurred during the October 2017 site inspection.
- **Perimeter Drainage Ditch "C"** - Ditch C extensive clearing completed to allow for drainage to north end redefining existing ditch/channel. A "No Trespassing" sign intact at the northeast corner to prevent access from ATVs. Water flowing with no water ponding in ditch.
- **Drainage Swale "A"** - As discussed in previous inspection reports, there is a portion of Drainage Swale "A" berm running along the western edge of the landfill cap that had slumped



down the west face of the landfill. As reported in 2008, the City of Lockport placed an additional 1 to 2 tons of stone to stabilize the berm in the area of the slump. The stone has remained in place, thus stabilizing the bank and preventing further slumping. The City will continue monitor the area for any further slumping. The City has cut and cleared overgrowth vegetation leaving larger trees intact. The City will maintain trimming of trees and vegetation to the top of the slope or berm. Evidence of ATV use was found near the fence and downchute. Stone was placed in 2014 by downchute to fill ATV ruts.

- **Drainage Swale "B"** - Vegetation is well-established and no erosion noted during the October 2017 site inspection.
- **Downchute** - Normal growth was present in the downchute and apron areas. The City will monitor the vegetation growth and if required will cut back growth further. Install stone in rutted area where runoff is causing erosion. ATV tracks present and extensive to include deep rutting into the cap. Stone placed to fill rutting. Police enforcement needs to continue.
- **Vegetative Cover** - General cover is well established. Landfill was mowed after August 15 prior to inspection. Future mowing needs to be completed after mid-August.
- **Final Cover Layers (Settlement, etc.)** - No standing water or settlement was observed on final cover layers.
- **Steep Slope Areas (West of final cover)** - Trees and grasses present on slope areas.
- **Landfill Gas Vents** - Gas vents were intact and in good condition.
- **Fence** - Fence and vehicle gates in good condition during the October 2017 site inspection.
- **Monitoring Wells** - Historically (with the exception of the 2013, 2014, and 2015), monitoring well MW-6D has not been sampled in past reporting years due to lack of available groundwater present at the time of sampling. During the 2016 sampling, an insufficient amount of groundwater was available to obtain groundwater parameters and sampling. Sampling did occur in 2017.
- **Railroad Crossing** - Railroad crossing is accessible and in good condition.
- **Access Roadway** - Good condition.

Figures



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LOCKPORT CITY LANDFILL
LOCKPORT, NEW YORK
CITY OF LOCKPORT

FIGURE 1
SITE PLAN

Appendices

Appendix A

Site Inspection Log

ATTACHMENT A

LOCKPORT CITY LANDFILL - POST CLOSURE NYSDEC SITE NO. 932010 ANNUAL INSPECTION LOG SHEET

Date: 10/25/2017

Inspector: David Rowlinson (DER)

Weather: Rain/Overcast

Signature: _____

45° F

Company: GHD Consulting Services Inc.

Item Inspected	Maintenance Needed (Y/N)	Comments	Inspector's Initials
Perimeter Ditch A	N	Vegetation is well established and no erosion noted.	DER
Perimeter Ditch B	N	Vegetation is well established and no erosion noted.	DER
Perimeter Ditch C	N	Ditch C clearing recently to allow for drainage to north end redefining existing ditch/channel. A "No Trespassing" sign intact at the northeast corner to prevent access from All Terrain Vehicles. Water flowing, no water ponding.	DER
Drainage Swale A	N	The stone has remained in place, thus stabilizing the bank and preventing further slumping from taking place. Mowing was extended to provide cut back. Evidence of ATV use near fence and downchute.	DER
Drainage Swale B	N	Vegetation is well established and no erosion noted.	DER
Downchute & Apron	N	Normal growth/woody vegetation present in the downchute. ATVs tracks present, extensive to include deep rutting into cap. Stone placed to fill rutting. Police enforcement to continue.	DER
Vegetative Cover	N	Landfill was mowed after August 15th prior to inspection. Future mowing needs to be completed after mid August.	DER
Final Cover Layers (Settlement, etc.)	N	No standing water was observed on final cover layers.	DER
Steep Slope Areas (West of final cover)	N	Trees and grasses present on slope areas.	DER
Gas Vents	N	All gas vents were intact and in good condition.	DER
Landfill Cap	N	Cap in good condition with vegetation well established.	DER
Fence	N	Fence and vehicle gates in good condition.	DER
Other Items: Access Roadway	N	Good condition.	DER
Other Items: Railroad Vehicle Crossing	N	Railroad vehicle crossing is accessible and in good condition. Stone added by RR crossing and geotextile fabric was removed.	DER
Other Items: Monitoring Wells	N	A camera was placed down Monitoring Well 3S in 2012 and found the well to be broken between the riser and screen at approximately 8 feet below the top of casing. DEC informed City to continue sampling at this well location.	DER
Other Items: Monitoring Wells: Note 2	N	Monitoring well MW-6D was sampled in 2015, however, has not been sampled in the past due to lack of available groundwater present at the time of sampling. During the 2013 sampling, a sufficient amount of groundwater was available and recovered from monitoring well MW-6D to provide sample volume. If the well was purged, an insufficient sample volume would result. Since this monitoring well has not been sampled for a number of years, the recovered groundwater was adequate for sample volume. Maintain access road.	DER
General Notes:	Y	<Signs of ATVs through the Site. >ATV tracks at north and south of fence along Drainage Swale A. >ATV tracks at north and south of fence along Drainage Ditch C.	DER

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