

**REGULAR SITE INSPECTION REPORT**

**FOR**

**OCTOBER 18, 2011  
(YEAR - 15)**

**THE LOCKPORT CITY LANDFILL  
NYSDEC SITE NO. 9-32-010**

**Prepared For:**

**CITY OF LOCKPORT, NEW YORK  
DEPARTMENT OF PUBLIC WORKS**

**Prepared By:**

**GHD CONSULTING ENGINEERS, LLC  
415 NORTH FRENCH ROAD, SUITE 100  
AMHERST, NEW YORK 14228**

**NOVEMBER 2011**

**PROJECT NO. 8612191**

## SECTION 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 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 regular 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 15<sup>th</sup> regular site inspection conducted at the Lockport City Landfill on October 18, 2011. This is the fifth monitoring event of the first contract between GHD Consulting Engineers, LLC and the City of Lockport.

## SECTION 2 - REGULAR SITE INSPECTION

The following personnel attended a regular site inspection of the Lockport City Landfill:

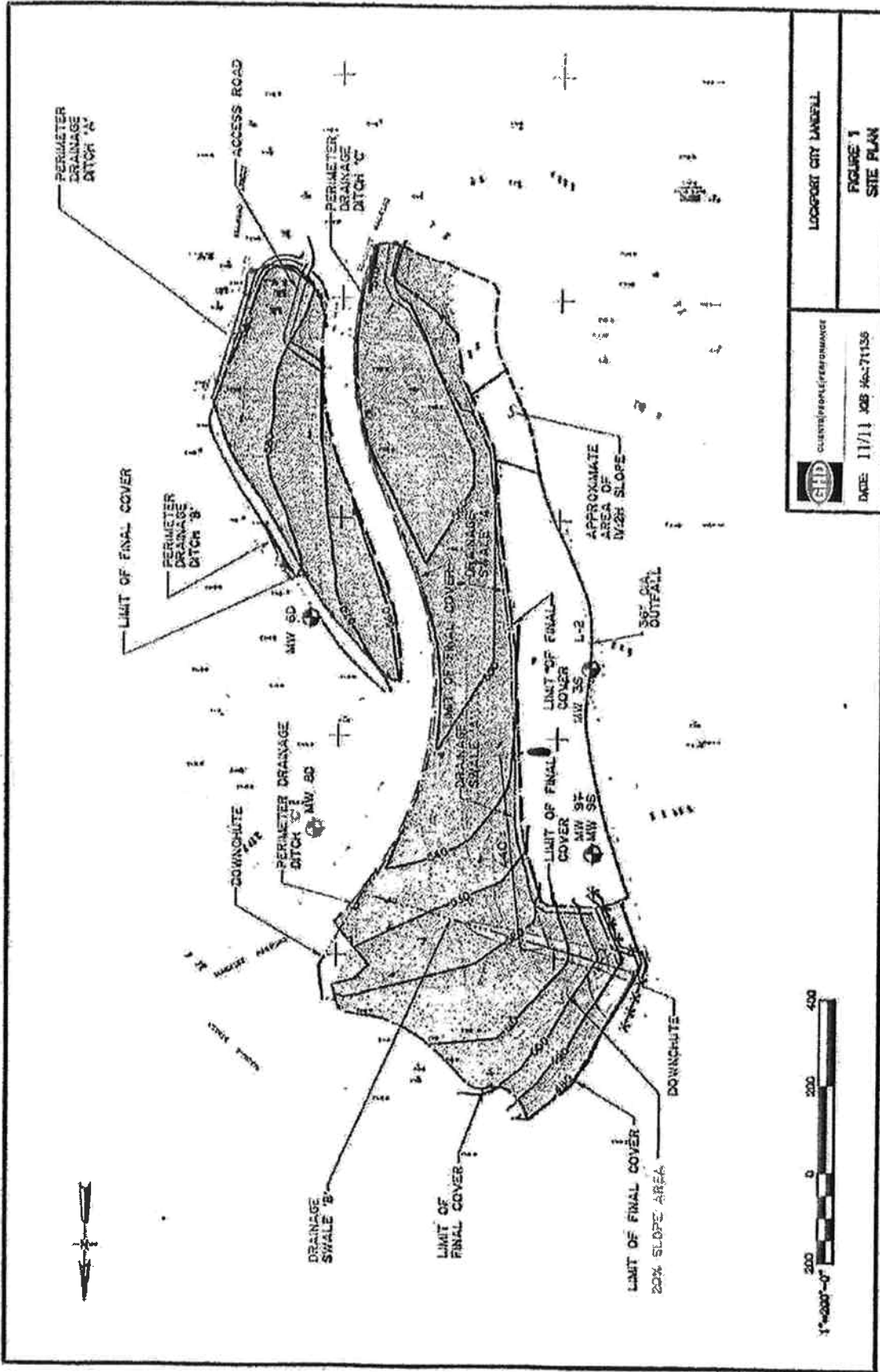
- Norm Allen, City of Lockport
- Brian Sadowski, New York State Department of Environmental Conservation
- Brian Doyle, GHD

The completed Inspection Log Sheets for the October 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 approximately one week prior to landfill inspection.
- **Perimeter Ditch "A"** - Vegetation is well established and no erosion had occurred during the October 2011 site inspection.

- **Perimeter Ditch “B”** - Vegetation is well established and no erosion had occurred during the October 2011 site inspection.
- **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 has 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 from occurring. Overgrown material excavated from Perimeter Drainage Ditch “C” was placed along Drainage Swale “A” to provide further stabilization. The City of Lockport will continue monitor the area for any further slumping. Evidence of heavy ATV use was found near the fence along the north end of Drainage Swale “A”.
- **Drainage Swale “B”** - Vegetation is well established and no erosion noted during the October 2011 site inspection.
- **Perimeter Drainage Ditch “C”** - A “No Trespassing” sign is intact along the northeast corner of Drainage Ditch “C” to prevent wear from unauthorized vehicles entering the site. Woody growth along the drainage swale was excavated to allow water to flow freely.
- **Down chute** - 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. Evidence of heavy ATV use was present.
- **Vegetative Cover** - General cover is well established, some areas are heavy growth which have been cut back by removing the woody vegetation. Landfill was mowed approximately one week prior to inspection.
- **Final Cover Layers (Settlement, etc)** - No standing water or settlement was observed on final cover layers.
- **Step Slope Areas (West of final cover)** - Trees and grasses present on slope areas.

- **Landfill Gas Vents** – The damaged gas vent along Perimeter Drainage Ditch “C” was repaired this year. All other landfill gas vents were intact during the October 2011 site inspection.
- **Fence** – Fence and vehicle gates in good condition during the October 2011 site inspection. Fence gates to be chained
- **Monitoring Wells** – A camera was placed down Monitoring Well 3S and found the well to be broken with roots inside the casing approximately eight feet below the top of casing. As per NYSDEC guidance, the well was purged dry prior to the removal of the recommended volume of water. A groundwater sample was able to be collected and analyzed at Monitoring Well 3S. The NYSDEC has stated that the well will be continued to be sampled if water is present.



LOGGOST CITY LANDFILL

DATE 11/11 JOB No. 71136

FIGURE 1  
SITE PLAN

**ATTACHMENT A**

**LOCKPORT CITY LANDFILL - POST CLOSURE  
NYSDEC SITE NO. 932010**

**ANNUAL INSPECTION LOG SHEET**

Date: 10/18/2011

Inspector: Brian P. Doyle

Weather: Clear

Signature: 

50° F

Company: GHD Consulting Engineers, LLC

Item Inspected	Maintenance Needed (Y/N)	Comments	Inspector's Initials
Perimeter Ditch A	N	Vegetation is well established and no erosion noted.	BPD
Perimeter Ditch B	N	Vegetation is well established and no erosion noted.	BPD
Perimeter Ditch C	N	A "No Trespassing" sign intact at the northeast corner to prevent access from All Terrain Vehicles. Overgrown, woody growth removed from ditch to allow water to flow free.	BPD
Swale A	N	The stone has remained in place, thus stabilizing the bank and preventing further slumping from taking place. Material from overgrown area removed from Perimeter Ditch C placed along Swale A for stabilization. Evidence of heavy ATV use near fence and downchute.	BPD
Swale B	N	Vegetation is well established and no erosion noted.	BPD
Downchute & Apron	N	Normal growth/woody vegetation present in the downchute. ATVs tracks present, most notably along west side near fence. Police enforcement to continue.	BPD
Vegetative Cover	N	Landfill was mowed approximately 1 week prior to inspection.	BPD
Final Cover Layers (Settlement, etc.)	N	No standing water was observed on final cover layers.	BPD
Steep Slope Areas (West of final cover)	N	Trees and grasses present on slope areas.	BPD
Gas Vents	N	All gas vents were intact and in good condition.	BPD
Fence	Y	Fence and vehicle gates in good condition. Fence gates to be chained.	BPD
Other Items: Railroad Vehicle Crossing	Y	Railroad vehicle crossing is accessible and in good condition. Tires found near railroad vehicle crossing to be removed.	BPD
Other Items: Monitoring Wells	N	A camera was placed down Monitoring Well 3S 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.	BPD
General Notes:	Y	>Signs of ATVs through the Site >ATV tracks at north and south of fence along Drainage Swale A	BPD