

SITE INSPECTION REPORT

FOR

**OCTOBER 25, 2016
(YEAR - 20)**

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

Prepared For:

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

Prepared By:

**GHD CONSULTING SERVICES, INC.
285 DELAWARE AVENUE
BUFFALO, NEW YORK 14202**

NOVEMBER 2016

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 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 20th site inspection conducted at the Lockport City Landfill on October 25, 2016. This is the 5th monitoring event of the 2nd contract 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 2016. The City has requested GHD to submit a proposal for the next 5 years of service.

SECTION 2 - SITE INSPECTION

The following personnel attended a site inspection on October 25, 2016 of the Lockport City Landfill:

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

The completed Inspection Log Sheets for the October 2016 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 15th as requested and prior to the October 2016 inspection.
- **Perimeter Ditch "A"** - Vegetation is well established and no erosion had occurred during the October 2016 site inspection.



LOCKPORT CITY LANDFILL
LOCKPORT, NEW YORK
CITY OF LOCKPORT

CLIENTS PEOPLE PERFORMANCE
AMHERST, NEW YORK

FIGURE 1
SITE PLAN

JOB No.:8812191



- **Perimeter Ditch "B"** - Vegetation is well established and no erosion had occurred during the October 2016 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 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 cleared weeds by extending mowing to provide cut back. Tree trimming was completed by saw to make a clean cut to prevent possible tree disease. In the future, the City will trim trees and vegetation to the top of the slope or berm. Evidence of heavy ATV use was found near the fence and down chute. Stone was placed in 2014 by down chute to fill ATV ruts.
- **Drainage Swale "B"** - Vegetation is well established and no erosion noted during the October 2016 site inspection.
- **Perimeter Drainage Ditch "C"** - Ditch C clearing presently with Cat 3140 equipment, Contractor Villoni's 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 with no water ponding in ditch. One (1) Tire requires removal.
- **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. Install stone in rutted area where runoff is causing erosion. ATVs 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 15th 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 2016 site inspection.
- **Monitoring Wells** - Historically with the exception of the past three years, 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.
- **Railroad Crossing** - Railroad crossing is accessible and in good condition. Stone was recently added by the railroad crossing. The City will remove the geofabric on the east side of the railroad crossing.
- **Access Roadway** - Woven geotextile at access roadway(end) requires cutting and cover.

ATTACHMENT A
LOCKPORT CITY LANDFILL - POST CLOSURE
NYSDEC SITE NO. 932010

ANNUAL INSPECTION LOG SHEET

Date: 10/25/2016

Inspector: Owen Karickhoff

Weather: 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.	Owen K
Perimeter Ditch B	N	Vegetation is well established and no erosion noted.	Owen K
Perimeter Ditch C	Y	Ditch C clearing presently with Cat 3140 equipment, Contractor Villoni's 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. One (1) Tire requires removal.	Owen K
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 heavy ATV use near fence and downchute.	Owen K
Drainage Swale B	N	Vegetation is well established and no erosion noted.	Owen K
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.	Owen K
Vegetative Cover	N	Landfill was mowed after August 15th prior to inspection. Future mowing needs to be completed after mid August.	Owen K
Final Cover Layers (Settlement, etc.)	N	No standing water was observed on final cover layers.	Owen K
Steep Slope Areas (West of final cover)	N	Trees and grasses present on slope areas.	Owen K
Gas Vents	N	All gas vents were intact and in good condition.	Owen K
Landfill Cap	Y	Cap in good condition with vegetation well established.	Owen K
Fence	Y	Fence and vehicle gates in good condition.	Owen K
Other Items: Access Roadway	Y	Woven geotextile at access roadway(end) requires cutting and cover	Owen K
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.	Owen K
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.	Owen K

ATTACHMENT A


LOCKPORT CITY LANDFILL - POST CLOSURE
NYSDEC SITE NO. 932010

ANNUAL INSPECTION LOG SHEET

Date: 10/25/2016

Inspector: Owen Karickhoff

Weather: Overcast

Signature:  2/8/17

45° F

Company: GHD Consulting Services, Inc.

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