

REGULAR SITE INSPECTION REPORT

FOR

**OCTOBER 18, 2012
(YEAR - 16)**

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 SERVICES, INC.
200 JOHN JAMES AUDUBON PARKWAY
AMHERST, NEW YORK 14228

NOVEMBER 2012

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 16th regular site inspection conducted at the Lockport City Landfill on October 18, 2012. This is the first monitoring event of the second contract between GHD Consulting Services, Inc. and the City of Lockport. The present contract includes 5 years of service.

SECTION 2 - REGULAR SITE INSPECTION

The following personnel attended a regular site inspection on October 18, 2012 of the Lockport City Landfill:

- Rolando Moreno, City of Lockport
- Brian Sadowski, New York State Department of Environmental Conservation
- Brian Doyle, GHD

The completed Inspection Log Sheets for the October 2012 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 scheduled for mowing after the October 2012 inspection due to wildlife concerns.
- **Perimeter Ditch "A"** - Vegetation is well established and no erosion had occurred during the October 2012 site inspection.
- **Perimeter Ditch "B"** - Vegetation is well established and no erosion had occurred during the October 2012 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 of Lockport will continue monitor the area for any further slumping. Overgrowth requires cut back and clearing to tree line. Mowing needs to be extended into this area. Evidence of heavy ATV use was found.
- **Drainage Swale "B"** - Vegetation is well established and no erosion noted during the October 2012 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. Material requires pull-back near Railroad and reseeded.
- **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. ATVs tracks present and extensive to include deep rutting into the cap. Police enforcement needs to be increased.
- **Vegetative Cover** - General cover is well established, some areas are heavy growth which have been cut back by removing the woody vegetation. Landfill mowing scheduled to be done after the 8/15/12 inspection due to wildlife concerns.
- **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** – The damaged gas vent along Perimeter Drainage Ditch "C" was repaired this year. All other landfill gas vents were intact during the October 2012 site inspection.
- **Fence** – Fence and vehicle gates in good condition during the October 2012 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. Monitoring Well 3S cap to be welded.

From: David Rowlinson <Dave.Rowlinson@ghd.com>
To: Brian Sadowski <bpsadows@gw.dec.state.ny.us>
CC: "Norman Allen (InTouch)" <nallen@elockport.com>, Glenn May <gmmay@gw.dec...>
Date: 12/5/2012 4:25 PM
Subject: RE: Lockport City Landfill - Regular Site Inspection Report 10/18/12
Attachments: Attachment A - Inspection Log Sheet-Rev 1.pdf

Brian,

Please find attached the revisions as requested.

Thanks,

Dave Rowlinson
Project Manager
GHD

T: (716) 748-6620 | F: (716) 748-6621 | Direct Dial: 716-748-6624 | Cell: 716-536-0317 E: Dave.Rowlinson@ghd.com
200 John James Audubon Parkway, Suite 101, Amherst, NY 14228 USA | www.ghd.com
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-----Original Message-----

From: Brian Sadowski [mailto:bpsadows@gw.dec.state.ny.us]
Sent: Friday, November 30, 2012 11:57 AM
To: David Rowlinson
Cc: Norman Allen (InTouch); Glenn May
Subject: Lockport City Landfill - Regular Site Inspection Report 10/18/12

Dave,

The Department has received the Ground Water Quality Monitoring Report and Regular Inspection Report. This email is specific to the Inspection Report. The report matches my observations with the exception of what GHD noted on the Annual Inspection Log Sheet. The items in question are Swale A and the Downchute & Apron.

For Swale A, GHD inserted an N (no) for maintenance needed, but commented that the area requires cut back and clearing to the tree line and that mowing should be extended to achieve this cut back.

For the Downchute & Apron, GHD inserted an N (no) for maintenance needed, but commented that ATV tracks are present and extensive that includes deep rutting into the cap and that police enforcement needs to be increased.

Please revise the Inspection Log Sheet to a Y (yes) for these two items and resubmit it to the Department. A revision in PDF will work fine. Thank you.

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ATTACHMENT A

LOCKPORT CITY LANDFILL - POST CLOSURE
NYSDEC SITE NO. 932010

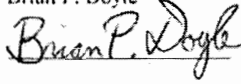
ANNUAL INSPECTION LOG SHEET

Date: 10/18/2012

Inspector: Brian P. Doyle

Weather: Clear

Signature:



60° 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.	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. Material requires pull-back near Railroad and reseeded.	BPD
Swale A	Y	The stone has remained in place, thus stabilizing the bank and preventing further slumping from taking place. Area requires cut back and clearing to tree line. Mowing should be extended to provide cut back. Evidence of heavy ATV use near fence and downchute.	BPD
Swale B	N	Vegetation is well established and no erosion noted.	BPD
Downchute & Apron	Y	Normal growth/woody vegetation present in the downchute. ATVs tracks present and extensive to include deep rutting into the cap. Police enforcement needs to be increased.	BPD
Vegetative Cover	N	Landfill mowing scheduled to be done after the 8/15/12 inspection due to wildlife concerns.	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 in 2011 were removed and not present in 2012.	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. Monitoring Well 3S cap to be welded.	BPD
General Notes:	Y	>Signs of extensive ATV activity through the Site >ATV tracks at north and south of fence along Drainage Swale A	BPD