

Report of Discharge (CSO\SSO\RTB)

version 1.13

(Submission #: HP8-MM6Z-2R9EN, version 1)

Details

Submission ID HP8-MM6Z-2R9EN

Status Submitted

Form Input

Report Details

Is this the initial or final discharge report?

Final

Site/Facility Name:

Lake Mitchell Sewer Authority (former Wexford Co DPW) CM

Permit Number (if applicable):

NONE PROVIDED

Sewer System or Treatment Facility Owner

Organization Name

Lake Mitchell Sewer Authority

Phone Type **Number** **Extension**

Business 2317750155

Email

operationsoffice@lakemitchellsewer.com

Fax

2317750156

Address

3161 South Lake Mitchell Drive

Cadillac, MI 49601

United States

Facility Address

3161 South Lake Mitchell Drive

Cadillac, MI 49601

Sewer System or Treatment Facility Owner Location

44.2298,-85.5088

3161 South Lake Mitchell Drive, Cadillac, MI

Discharge Details (1 of 1)

SSO Discharge from 1762 South Lake Mitchell Drive - 15C GPS

Discharge Type:
SSO Discharge

SSO Discharge

The reported discharge is from a private or municipal separate sewer collection system (not a wastewater treatment plant) during wet or dry weather, or a dry weather discharge from a municipal combined sewer collection system.

Is the outfall or discharge area located at a private residential address?
NO

Outfall or Discharge Area Name
1762 South Lake Mitchell Drive - 15C GPS

Outfall or Discharge Area Description
Underground at the pipe for the service lead at the GPS

Outfall or Discharge Area Location
44.2305821,-85.4821577

1762 S Lake Mitchell Dr, Cadillac, MI 49601, USA

Has the discharge ended?
YES

Volume Discharged	Unit	Was the volume estimated?
30	Gallons	Yes

Quality of Discharge
Raw Sewage

Please describe the discharge, including the reason for Discharge

LMSA's contractor was making a repair to the discharge lines and check valve. Due to the highwater table surrounding Lake Mitchell, the excavation site became unstable. Ground material fell on the PVC curb valve and check valve and forced it from its original position and lowered approximately 2' feet. With the pressure of the sand material on the pipe (discharge line to the GPS), the crew observed the pipe broke off from the sewer main, which created the SSO.

Was the land or surface water impacted by the discharge?
Land impacted only

Name/description of the land impacted:
Underground Soil

Discharge Event Start

Date	Time
5/10/2021	06:14 pm

Discharge Event End

Date	Time
5/10/2021	06:28 pm

Name of the wastewater treatment facility that normally receives sewage.
Cadillac Wastewater Treatment Plant

Was the reported discharge caused by a party other than the sewer system owner and out of the control or knowledge of the actions which resulted in the discharge?
NO

Is the sewer system owner in compliance with applicable discharge permits, laws, rules, and orders?
YES

Initial Notification

Organization	Date	Time
Local Health Department	5/11/2021	02:30 pm
Daily Local Newspaper	5/11/2021	02:30 pm

Was EGLE notified prior to this report being received?

This report is being used as the initial notification to EGLE

Notification that discharge has concluded.

Organization	Date	Time
Local Health Department	5/11/2021	02:30 pm
Daily Local Newspaper	5/11/2021	02:30 pm

Precipitation Type(s) (Select none if there was no precipitation)

None

Actions taken to minimize the impact from the discharge(s):

Soil was immediately vacuumed and disposed of offsite once the contractors completed the work.

Actions taken, or that will be taken, to prevent this discharge event from reoccurring:

LMSA and its contractors are very aware of the high water table and the challenges it presents when it is necessary to excavate a site. The contractors attempt to take all necessary precautions to stabilize the job sites. LMSA is also moving forward with the USDA loan to make the necessary repairs to the aging system that EGLE has recommended.

Additional Details

Report Submitter

Prefix

NONE PROVIDED

First Name

Sheila

Last Name

Hill

Title

Project Manager

Organization Name

Lake Mitchell Sewer Authority

Phone Type

Business

Number

231-775-0155

Extension

Email

operationsoffice@lakemitchellsewer.com

Fax

NONE PROVIDED

Address

3161 South Lake Mitchell Drive

Cadillac, MI 49601

United States

Do you have any additional comments or uploads you would like to provide?

YES

Additional Information

On May 5th, the Sewer Technician responded to an alarm at GP 15C. The Tech observed the grinder pumps at 15C were unable to pump the sewer out of the wet well and also observed backflow from the force main entering the tank. LMSA contracted Matts Underground Utility Construction to make an emergency repair to replace the check valve on the discharge line. The station was shut down and the on-call Sewer Technician pumped the station down three times per day to GP 14C. On May 7th, the contractor started to dewater the area in preparation to the excavation date of May 10th. The contractor excavated and installed sheet piling on the South side of grinder pump station 15C to replace the check valve and discharge lines. The water table is extremely high around Lake Mitchell and across from the excavation site is also wetlands. During the excavation process, the crew exposed a gas line. They immediately called DTE and DTE determined the gas line had been mismarked by 7'. DTE dispatched a crew to wrap the gas line. The discharge lines and check valve were exposed, the dewatering system was operational however, the water was overcoming the system, making the excavation area unstable. Ground material was caving into the exposed PVC curb valve and check valve. Due to the pressure of the material that caved in, the discharge line broke away from the force main and lowered approximately 2'. The crew contacted the on-call Sewer Technician and he was on-site within ten minutes to turn off the upstream lift station and four grinder pump stations. They immediately used the on-site vacuum truck to remove the soil. The onsite crew estimated that approximately 30 gallons of sewer was discharged. The crew installed additional sheet piling to secure the new compromised area. It should also be noted the compromised area included a small portion of the adjacent road. The contractors temporarily shut down the road for the public's safety. Fortunately, this was later in the evening and not during high traffic area times. The contractor replaced the existing PVC sewer line with 1 1/2" HDPE pipe up to the grinder pump station, from the existing tap on the sewer main. The crew backfilled 12" compacted lifts under the road excavation area and backfilled around the sewer station. The homeowner had a numerous number of large rocks around the grinder station that had to be removed to excavate the area and were replaced when the job was completed. The portion of the road that was compromised will be patched with asphalt in the coming weeks. It should be noted, the contractor stated, the PVC pipe was very thin and brittle, due to the age and type of material that was used when it was initially installed. LMSA is following the recommendation of EGLE to move forward with the process of securing a Rural Development Loan to make the necessary improvements to the sewer collection system.

Upload addition information, as needed.

[part0.jpg - 05/11/2021 03:12 PM](#)

[part.jpg - 05/11/2021 03:12 PM](#)

[IMG_4023.JPG - 05/11/2021 03:17 PM](#)

Comment

NONE PROVIDED

Attachments

Date	Attachment Name	Context	User
5/11/2021 3:17 PM	IMG_4023.JPG	Attachment	Sheila Hill
5/11/2021 3:12 PM	part.jpg	Attachment	Sheila Hill
5/11/2021 3:12 PM	part0.jpg	Attachment	Sheila Hill

Status History

	User	Processing Status
5/11/2021 1:25:22 PM	Sheila Hill	Draft
5/11/2021 4:06:03 PM	Sheila Hill	Submitting
5/11/2021 4:06:22 PM	Sheila Hill	Submitted