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Date: 2022.04.27 10:30:01 -04:00
Reason: Submission Data
Location: State of Michigan

Report of Discharge (CSO\SSO\RTB)

version 1.14

(Submission #: HPH-59K3-GJBKA, version 3)

Details

Submission ID HPH-59K3-GJBKA

Form Input

Report Details

Is this the inital or final discharge report?
Final

Site/Facility Name:
Bellaire WWTP

Permit Number (if applicable):
MI0044873

Sewer System or Treatment Facility Owner

Organization Name
Bellaire WWTP

Phone Type	Number	Extension
Business	2315338885	

Email
DPWDIRECTOR@BELLAIREMICHIGAN.COM

Fax
NONE PROVIDED

Address
505 South Court Street
PO Box 557
Bellaire, MI 49615
United States

Facility Address
505 South Court Street
Bellaire, MI 49615

Sewer System or Treatment Facility Owner Location
44.9697,-85.2081

505 South Court Street, Bellaire, MI

Discharge Details (1 of 1)

SSO Discharge from Bellaire Wastewater Treatment Plant`OUTFL_ID_TXT`

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
Bellaire Wastewater Treatment Plant

Outfall or Discharge Area Description
Discharge pumping out of Pond 3 to swamp area near permitted discharge area 3 and 4

Outfall or Discharge Area Location
44.96973787039017,-85.20937632801102

Has the discharge ended?
YES

Volume Discharged	Unit	Was the volume estimated?
13077000	Gallons	Yes

Quality of Discharge
Partially Treated

Please describe the discharge, including the reason for Discharge
Discharge was required due to potential failure of pond 1 (cell 1 and 2). Pond 1, 2 and 3 were completely full as of 4/21/22. Pond one has two potholes opening up on the top bank walls at south east and south west ends that are filled with untreated to partially treated wastewater. The southern side of pond 1 bank appears to be leaking and is very saturated. The wastewater clarifiers and sand filters were working at max flow of approximately 230 GPM and continue to do so. The ponds as of 4/21/22 were still filling with wastewater even with the plant treating and discharging at maximum. Bypass pumping of the Pond 3 to the existing area of fully treated discharge was deemed required to avoid a potential failure of the leaking pond 1.

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

Name of Surface Water(s) Impacted:
Unnamed wetland contiguous to the Intermediate River

Discharge Event Start

Date	Time
4/21/2022	05:00 pm

Discharge Event End

Date	Time
4/26/2022	12:00 pm

Name of the wastewater treatment facility that normally receives sewage.
Bellaire 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?
NO

Explain why the sewer system owner is not in compliance.
Discharge of the wastewater was before clarification and sand filtration. Additional water from ponds 1 and 2 were pumped into pond 3 reducing the time the water could be treated within the three pond system.

Initial Notification

Organization	Date	Time
Local Health Department	4/23/2022	03:00 pm
Daily Local Newspaper	4/23/2022	03:00 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	4/27/2022	08:30 am
Daily Local Newspaper	4/27/2022	08:30 am

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

Has the precipitation ended?
YES

Precipitation

Start Date	Start Time
4/23/2022	04:00 am

Precipitation Amount (Inches)	Precipitation End Date	Precipitation End Time
.25	4/23/2022	07:00 am

Precipitation comments
Thunder storm came through as discharging was occurring

Actions taken to minimize the impact from the discharge(s):
Staff only discharged from Pond 3 allowing for partial treatment of water from Pond 1.

Actions taken, or that will be taken, to prevent this discharge event from reoccurring:
The Village of Bellaire has brought in an outside Operator to help repair and maintain the compliance of the treatment plant. Additional staff will be trained and a reporting protocol has been introduced to allow for additional people to be informed of operational and regulatory compliance of the treatment plant to keep the ponds from overfilling and an SSO from happening again.

Was this discharge disinfected to meet fecal coliform limitations?
NO

Results of E. coli testing
Results Attached

E. coli Testing Results
VILLAGE OF BELLAIRE WWTP SSO DATA.pdf - 04/27/2022 10:17 AM
Comment
Fecal Coliform and other testing results are documented in the attached file. These tests were performed at the Bellaire Wastewater Treatment Plant. Additional samples were taken to SOS Labs in Traverse City for side by side comparison. Those results will be sent to Claire Lowe and submitted with the April 2022 DMR.

Additional Details

Report Submitter

Prefix
NONE PROVIDED

First Name	Last Name
Chris	*Johnson*

Title
Operator

Organization Name
Bellaire WWTP

Phone Type	Number	Extension
Business	2315338885	

Email
DPWDIRECTOR@BELLAIREMICHIGAN.COM

Fax
NONE PROVIDED

Address

505 South Court Street
PO Box 557
Bellaire, MI 49615
United States

Do you have any additional comments or uploads you would like to provide?
NO

Revisions

Revision	Revision Date	Revision By
Revision 1	4/23/2022 1:14 PM	Chris Johnson
Revision 2	4/27/2022 7:05 AM	Chris Johnson
Revision 3	4/27/2022 7:13 AM	Chris Johnson