Digitally signed by:
MiEnviro Portal
Date: 2022.12.21 11:25:00 -05:00
Reason: Submission Data
Location: State of Michigan

Report of Discharge (CSO\SSO\RTB)

version 1.14

(Submission #: HPP-CK45-60X0V, version 2)

Details

Submission ID HPP-CK45-60X0V

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 Department of Public Works

Phone Type	Number	Extension
Business	2315336414	

Email
DPWdirector@bellairemichigan.com

Fax
NONE PROVIDED

Address
483 S COURT ST.
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)

Other Discharge from Unnamed Waters of the Intermediate River`OUTFL_ID_TXT`

Discharge Type:
Other Discharge
What type of discharge?
Partially Treated

Other Discharge
The reported discharge was of untreated or partially treated sewage (definition in Section 3112a) which is not characterized by RTB, CSO, or SSO Discharges.

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

Outfall or Discharge Area Name
Unnamed Waters of the Intermediate River

Outfall or Discharge Area Description
The normal outfall of the Bellaire Wastewater Treatment Plant

Outfall or Discharge Area Location
44.969212074338714,-85.20795022168147

Has the discharge ended?
YES

Volume Discharged	Unit	Was the volume estimated?
6.557	Million Gallons	No

Quality of Discharge
Partially Treated

Please describe the discharge, including the reason for Discharge
Wastewater that enters the Bellaire Wastewater Treatment Plant has been through the full treatment process of three treatment lagoons, two clarifiers and sand filtration with one exception, 14-day isolation of Lagoon 3.

Isolation of lagoon 3 allows sunlight to disinfect the water as it travels through lagoon 3 before the water is pumped through the two clarifiers and sand filters. Due to a change in the NPDES permit that now requires 14 day isolation of the last lagoon (lagoon 3) compared to continuous discharge that has been allowed in the past, will now require a partially treated SSO to be completed.

The wastewater treatment plant is not designed for isolation of lagoon 3 and currently the wastewater treatment plant does not have a disinfection process. Testing results performed by a third party laboratory shows all required NPDES parameters are within effluent limitations. Specifically, Fecal Coliform testing is well below limits set by the NPDES Permit.

Were all effluent limits met during the event?
NO
Explain which effluent limits were not met
Fecal Coliform numbers began to rise significantly resulting in an early shutdown of the treatment plant.

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

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

Discharge Event Start

Date	Time
11/22/2022	09:30 am

Discharge Event End

Date	Time
12/20/2022	12:15 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?
YES

Initial Notification

Organization	Date	Time
Local Health Department	11/22/2022	10:30 am
Daily Local Newspaper	11/22/2022	10:30 am

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	12/21/2022	05:00 pm
Daily Local Newspaper	12/21/2022	05:00 pm

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

Actions taken to minimize the impact from the discharge(s):
Treatment plant was shut down and prepped for winter.

Actions taken, or that will be taken, to prevent this discharge event from reoccurring:
Disinfection system will be installed during the first quarter 2023

Was this discharge disinfected to meet fecal coliform limitations?
NO

Results of E. coli testing
Results Attached

E. coli Testing Results
SOS Results Dec 12.pdf - 12/21/2022 11:17 AM
Comment
NONE PROVIDED

Additional Details

Report Submitter

Prefix
NONE PROVIDED

First Name	Last Name
Chris	*Johnson*

Title
NONE PROVIDED

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	11/22/2022 9:51 AM	Chris Johnson
Revision 2	12/21/2022 11:05 AM	Chris Johnson