Digitally signed by:
MiWaters
Date: 2022.10.12 13:25:00 -04:00
Reason: Submission Data
Location: State of Michigan

Report of Discharge (CSO\SSO\RTB)

version 1.14

(Submission #: HPM-1ABP-JD02E, version 3)

Details

Submission ID HPM-1ABP-JD02E

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?
Discharge is out of the normal wastewater treatment plant discharge location. The step of isolating Lagoon 3 for 14 days cannot be completed due to available capacity. The three lagoon system is not designed for 14-day isolation.

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
44.96828395330924,-85.20783387889081

Has the discharge ended?
YES

Volume Discharged	Unit	Was the volume estimated?
4.503	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 in 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 SSO to be completed as per EGLE staff. The wastewater treatment plant is not designed for isolation of lagoon 3 or does the plant currently 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 EGLE.

Were all effluent limits met during the event?
YES

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

Name of Surface Water(s) Impacted:
Un-named water of the Intermediate River

Discharge Event Start

Date	Time
8/15/2022	12:30 pm

Discharge Event End

Date	Time
09/09/2022	08:30 am

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	8/19/2022	08:00 am
Daily Local Newspaper	8/19/2022	08:00 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	10/12/2022	05:00 pm
Daily Local Newspaper	10/12/2022	05:00 pm

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

Actions taken to minimize the impact from the discharge(s):
Samples taken as required by the NPDES permit and all showed within range of water quality standards,

Actions taken, or that will be taken, to prevent this discharge event from reoccurring:
The village is working on a plan to install disinfection by April 1st 2023.

Was this discharge disinfected to meet fecal coliform limitations?
NO

Results of E. coli testing
Results Attached

E. coli Testing Results
5043.pdf - 10/12/2022 01:14 PM
Comment
The attached sample results and others taken during the discharge will be submitted in the DMR.

Additional Details

Report Submitter

Prefix
NONE PROVIDED

First Name	Last Name
Chris	*Johnson*

Title
NONE PROVIDED

Organization Name
Operations Services

Phone Type	Number	Extension
Business	6304501927	

Email
cjohnson@operationsservices.com

Fax
NONE PROVIDED

Address

10281 Old 27 S

Gaylord, MI 49735

[NO COUNTRY SPECIFIED]

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

Revisions

Revision	Revision Date	Revision By
Revision 1	8/18/2022 3:50 PM	Chris Johnson
Revision 2	8/23/2022 7:03 AM	Chris Johnson
Revision 3	10/12/2022 1:01 PM	Chris Johnson