

Compliance Maintenance Annual Report

Brooklyn Wastewater Treatment Facility

Last Updated: Reporting For:
5/13/2020 2019

DNR Response to Resolution or Owner's Statement

Name of Governing
Body or Owner:

Village of Brooklyn

Date of Resolution or
Action Taken:

2020-05-11

Resolution Number:

2020-02

Date of Submittal:

5/13/2020

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO SPECIFIC CMAR SECTIONS (Optional for grade A or B. Required for grade C, D, or F):

Influent Flow and Loadings: Grade = A

Permittee Response:

DNR Response:

The influent hydraulic loading for 2019 was good, averaging 0.093 MGD (46.5% design capacity) with a maximum of 0.106 MGD (52.8% design capacity).

The influent organic loading for 2019 was good, averaging 161.8 lbs/day (55.8% design capacity) with a maximum of 202 lbs/day (69.7% design capacity).

Effluent Quality: BOD: Grade = A

Permittee Response:

DNR Response:

The effluent BOD quality for 2019 was excellent, averaging 4.3 mg/L (28.3% of the limit) with a maximum of 7 mg/L (46.7% of the limit) for the month of December.

Effluent Quality: TSS: Grade = A

Permittee Response:

DNR Response:

The effluent TSS quality for 2019 was excellent, averaging 4.75 mg/L (23.8% of the limit) with a maximum of 7 mg/L (35.0% of the limit) for the month of November.

Effluent Quality: Ammonia: Grade = A

Permittee Response:

DNR Response:

The effluent ammonia quality for 2019 was excellent, averaging 0.27 mg/L (7.4% of the limit) with a maximum monthly average of 1.12 mg/L (30.3% of the limit) in August.

Effluent Quality: Phosphorus: Grade = A

Permittee Response:

DNR Response:

The effluent phosphorus quality for 2019 was good, averaging 4.25 mg/L (53.8% of the limit) with a maximum of 6.83 mg/L (86.5% of the limit) for the month of July.

Biosolids Quality and Management: Grade = A

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Permittee Response:

DNR Response:

Biosolid metal concentrations are considered high quality in all parameters All sludge is transported and disposed of by another permitted facility.

Staffing: Grade = A

Permittee Response:

DNR Response:

There is no start date listed for Curt in our database, please notify the department of his start date. If there are any more certified operators besides Leif and Curt at your facility, please notify the department of their name and start date.

Operator Certification: Grade = A

Permittee Response:

DNR Response:

Thank you, Leif, for taking the Collection System (SS) subclass exam!

Financial Management: Grade = A

Permittee Response:

DNR Response:

Thank you for contributing to the equipment replacement fund and for reviewing the equipment replacement fund and user charge system in 2019. Continue to ensure there are adequate funds to maintain and replace equipment so the facility can maintain compliance.

Collection Systems: Grade = A

(Regardless of grade, response required for Collection Systems if SSOs were reported)

Permittee Response:

DNR Response:

Similar to 2018 and 2017, section 2.1 states that 100% of the system was flow monitored. If the lineal length of sanitary pipe conveyed to a lift station or other monitoring device is greater than a quarter mile, it shouldn't be considered flow monitoring for purposes of this report. The flow monitoring rate represents sewer pipe where flows are measured, typically using temporary portable flow measuring equipment generally used to determine infiltration and inflow amounts in specific sections of pipe.

Please address the following CMOM deficiencies:

- 1) Procedure or documentation of regular O & M training methods (Internal training, WWOA meetings, seminars, ect.)
- 2) Consider updating your sewer use ordinance to address private property inflow and infiltration (basement sump pumps, foundation drains, ect. to sanitary sewer). The department recommendation would be to requiring removing I&I sources upon the sale of a home in the community.
- 3) Also consider updating the sewer use ordinance to protect your treatment plant from illicit discharges as well as fats, oil and grease and stepped enforcement procedures for non-compliant sewer customers.

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ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO THE OVERALL GRADE POINT AVERAGE AND ANY GENERAL COMMENTS

(Optional for G.P.A. greater than or equal to 3.00, required for G.P.A. less than 3.00)

G.P.A. = 4

Permittee Response:

DNR G.P.A. Response:

Based on the data reported, the plant appeared to be running well in 2019. Keep up the good work and please follow up with the department on the following items.

- 1) Notify the department of Curt's start date at the treatment facility.
- 2) Update your CMOM to reflect the deficiencies noted in the collection system section of your CMAR.

DNR CMAR Overall Response:

Thank you for your submission of this report. The department appreciates your effort to protect human health and the environment by assuring that your wastewater collection and treatment systems are properly operated and maintained. Don't hesitate to contact me at Nathan.wells@wisconsin.gov or call (608) 716-9965 if you have any questions or comments regarding the department's responses.

DNR Reviewer: Wells, Nathan

Address: 3911 Fish Hatchery Road, Fitchburg, WI 53711

Phone:

Date: 10/30/2020