

Compliance Maintenance Annual Report

Brooklyn Wastewater Treatment Facility

Last Updated: Reporting For:
5/14/2024 2023

DNR Response to Resolution or Owner's Statement

Name of Governing
Body or Owner:

Village of Brooklyn

Date of Resolution or
Action Taken:

2024-05-13

Resolution Number:

20210

Date of Submittal:

5/14/2024

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 2023 was excellent averaging 0.074 MGD (37.0% design capacity) with a maximum of 0.079 MGD (39.3% design capacity). The influent organic loading for 2023 was good averaging 119.167 lbs/day (41.1% design capacity) with a maximum of 151 lbs/day (52.1% design capacity).

Effluent Quality: BOD: Grade = A

Permittee Response:

DNR Response:

The effluent BOD quality for 2023 was excellent averaging 1.75 mg/L (11.67% of the limit) with maximums of 3 mg/L (20.00% of the limit) for the month of January and the month of February.

Effluent Quality: TSS: Grade = A

Permittee Response:

DNR Response:

The effluent TSS quality for 2023 was excellent averaging 2.5 mg/L (12.50% of the limit) with a maximum of 5 mg/L (25.00% of the limit) for the month of January.

Effluent Quality: Ammonia: Grade = A

Permittee Response:

DNR Response:

The effluent ammonia quality for 2023 was excellent averaging 0.137 mg/L (2.37% of the limit) with a maximum of 0.268 mg/L (7.24% of the limit) for the month of October. The weekly average effluent ammonia concentrations were significantly below the weekly average limit.

Effluent Quality: Phosphorus: Grade = A

Permittee Response:

DNR Response:

The effluent phosphorus quality for 2023 was excellent averaging 0.661 mg/L (8.36% of the limit) with a maximum of 1.687 mg/L (21.35% of the limit) for the month of August.

Biosolids Quality and Management: Grade = A

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Permittee Response:

DNR Response:

Per the NON issued June 14, 2024, if Brooklyn WWTF decides to land apply under their WPDES permit, then a Land Application Site Request Form (3400-053) and Land Application Management Plan must be submitted to the department for review and approval, prior to land application.

Staffing: Grade = A

Permittee Response:

DNR Response:

Please keep up the great work and continue to use your excellent maintenance work order and documentation program as you have in the past.

Operator Certification: Grade = A

Permittee Response:

DNR Response:

Facility upgrades with CPR and BPR were completed in 2020. The table in section 2.1 lists the treatment facility as a basic plant but its classification should be advanced per NR 114.56(1)(c) Wis. Adm. Code. The department database will be updated. Per NR 114.53(5) Wis. Adm. Code, upon a change in a wastewater treatment plant's level of operations from basic to advanced, the operator-in-charge shall have 36 months to obtain advanced certification, provided the person is making earnest efforts towards advanced certification and the treatment plant is in compliance with all terms and conditions of its WPDES permit.

Financial Management: Grade = A

Permittee Response:

DNR Response:

Thank you for reviewing and contributing to the equipment replacement fund in 2023. Please continue to ensure there are adequate funds to maintain and replace equipment. Energy consumption doubled in June 2023. Consider performing an energy study to see if any simple measures can be implemented at your facility.

Collection Systems: Grade = A

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

Permittee Response:

DNR Response:

Section 1.2 notes your CMOM contains all components and items according to NR 210.23 (4), Wis. Adm. Code, but some components in section 1.3 are unchecked.

Section 3.1 notes 3 lift station failures, but section 3.2 notes 1 lift station failure per year.

In section 2.1, it states that 100% of the system was flow monitored. Please note, 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.

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)

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G.P.A. = 4

Permittee Response:

DNR G.P.A. Response:

The CMAR is an annual self-evaluation of your wastewater treatment plant, collection system, and associated wastewater management activities. Everything looks to be operating well. Please ensure operator-in-charge is making an earnest effort towards advanced certification this year or as soon as possible.

DNR CMAR Overall Response:

Thank you for completing and submitting your 2023 CMAR. 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 Kenzie.Ostien@wisconsin.gov or call (608) 516 6487 if you have any questions or comments regarding the department's responses. Nice job and thank you again.

DNR Reviewer: Ostien, Kenzie

Address: 3911 Fish Hatchery Rd, Fitchburg, WI 53711-5367

Phone:

Date: 8/12/2024