



January 22, 2024

Kathleen Patterson  
Town Manager  
210 W. Main Street  
Mayodan, NC 27027

Dear Ms. Patterson:

Enclosed you will find the Annual Performance Report for the year of 2023 for the Town of Mayodan Wastewater Treatment Plant. Your signature is required on the cover letter and certification page. After signing, two copies should be mailed by **February 28, 2024** to System Performance Annual Report, North Carolina Division of Environmental Quality, 1617 Mail Service Center, Raleigh NC 27699-1617. Please send a copy of the entire report to SUEZ for our records.

In addition, this report must be made available to the Town's customers. We recommend that the Town notify the customers of the availability of the report by placing a public notice in the largest local newspaper or by including a notification with the monthly billing statement/invoice. Following is some suggested verbiage:

*The Town of Mayodan is in accordance with State Regulations is hereby giving public notice. The Town of Mayodan Wastewater Treatment Plant has completed its 2023 Annual Performance Report. The report is available at Town Hall for review.*

If you have any questions, please advise.

Sincerely,

Veolia

A handwritten signature in black ink that reads "Nadine Blackwell".

Nadine Blackwell  
Area Manager

NB/lm

Veolia North America  
PO Box 1279  
Clemmons, NC 27012  
tel. 336-766-0270 fax 336-766-0469

[www.veolianorthamerica.com](http://www.veolianorthamerica.com)



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*Town of Mayodan. 210 W. Main Street. Mayodan. NC. 27027. (336)427.0241. [www.townofmayodan.com](http://www.townofmayodan.com)  
James A. Collins Municipal Building*

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February 10, 2024

System Performance Annual Report  
North Carolina Division of Water Quality  
1617 Mail Service Center  
Raleigh, NC 27699-1617

RE: Mayodan Wastewater Plant  
NPDES Permit No.: NC0021873  
Rockingham County

Dear Sirs,

Enclosed you will find the Annual Performance Report for the year of 2023 for the Town of Mayodan, North Carolina Wastewater Treatment Plant. We believe the report to be complete and accurate. The customers will be notified of the availability of the report through the local newspaper or sewer bills.

If you have any questions, please advise.

Sincerely,

Town of Mayodan

Kathleen Patterson  
Town Manager

**TOWN OF MAYODAN  
WASTEWATER TREATMENT FACILITY**

**ANNUAL PERFORMANCE REPORT**

**For the Calendar Year 2023**

**prepared: January 2024**

2023 Annual Performance Report  
for the  
Town of Mayodan  
Wastewater Treatment Facility

I. General Information

Facility/System Name: Town of Mayodan Wastewater Treatment Plant

Responsible Entity: Town of Mayodan

Person in Charge/Contact: Kathleen Patterson  
Town Manager  
210 W. Main Street  
Mayodan, NC 27027  
(336) 427-0241

Description of Collection System or Treatment Process:

The Mayodan Wastewater Treatment Plant (WWTP) is an extended aeration activated sludge treatment plant, processing a combination of industrial and domestic wastewater. The treatment scheme includes influent bar screens, an influent lift station, three aeration basins and secondary clarifiers. The treated water is chlorinated and dechlorinated, prior to discharge to the Mayo River. Excess biological sludge is thickened in one of two gravity thickeners and subsequently digested in an aerobic digester. The stabilized sludge is then land applied (on permitted sites) either as a liquid directly from the digester or it may be dewatered (prior to land application) on the sand drying beds and then land applied.

II. Compliance Performance

The North Carolina Department of Environment and Natural Resources (NCDENR) regulates the Town of Mayodan effluent discharge under the National Pollutant Discharge Elimination System (NPDES). The NCDENR issued to the Town a NPDES Permit, which includes water quality limits and sampling and monitoring requirements. The NPDES Permit requires the Town to test more than 18 different constituents in the treated water. The monitoring frequency for these constituents are set at various intervals such as continuous, daily, weekly, monthly, and quarterly. During the reporting period, the Town conducted 3,760 tests of the treated water before it was discharged to the creek. The WWTP achieved a compliance level of 100% with the NPDES Permit requirements. Following is a summary of the testing for the parameters, which are, assigned Water Quality standards by the NPDES Permit. Please note the summary does not include parameters, which incorporates a monitoring requirement only, nor does it include daily process control testing.

Constituent	Number of Test Required	Number of Test Conducted*
Flow	Continuous	Continuous
Biochemical Oxygen Demand (BOD)	208	212
Total Suspended Solids (TSS)	208	215
Ammonia	78	196
Fecal Coliform	156	159
Conductivity	156	160
Chlorine	156	161
Total Nitrogen	12	13
Total Phosphorus	12	13
Hardness	4	13
Toxicity	4	4

In addition to the required testing, the Town conducted over 2496 in-house test to ensure the proper operation of the wastewater treatment plant.

Following is a summary of permit violations, which occurred during the year:

There were no permit violation during the reporting period.

III. Certification

I have personally examined and am familiar with the information submitted in this document and attachments. Based upon my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information.

Signed this \_\_\_\_\_ day of \_\_\_\_\_, 2024.

Kathleen Patterson  
(Name) Town Manager

\_\_\_\_\_  
(Signature)