

2016 Performance Annual Report

I. General Information

Facility/System Name: Town of Fairmont
Responsible Entity: Town of Fairmont
Person in Charge/Contact: Ronnie Seals
Applicable Permit(s): NC0086550
WQCS 00097

Description of Treatment Process:

The WWTP began operation the second week of June, 2002. The plant has a mechanical bar screen at the former plant site with 3 pumps that pump sewer to the current plant, which also has another step bar screen. The plant has two aeration basins, two clarifiers, two digesters, one sludge holding basin, chlorination with liquid bleach and de-chlorination along with three pumps that pump effluent to the river. Both locations have back-up generators. The facility is located at 129 Woodrow Rd., Orrum, North Carolina.

Description of Collection System:

The Collection System consists of approximately 19 miles of gravity sewer, 2 miles of pressure sewer and 13 miles of force main with 5 duplex stations. We have generator back-up for all lift stations and all stations have telephone alarm dialers plus lights and horns for power outages and other emergencies.

II. Performance

Text Summary of System Performance for Calendar Year 2016:

Fairmont received a grant/loan to replace and rehab bad sewer outfall lines. The work for Phase I was completed in Summer 2014. Phase II will start in 2017.

Performance flow was over the plant's design limit of 1.750 MG/D for the following month:

February 2016: 1.937 MG/D

List (by month) any violations of permit conditions or other environmental regulations. Monthly lists should include discussion of any environmental impacts and corrective measures taken to address violations.

February 4, 2016 – Outfall manhole at the end of Marvin Street, 37,000 gallons due to heavy rain of over 2.5 inches in two hours.

February 16, 2016 – Outfall manhole on Marvin Street, 12,000 gallons due to heavy rain fall.

February 25, 2016 – Outfall manhole at the end of Marvin Street, 14,000 gallons due to heavy rain fall.

May 23, 2016 – Sewer line at bridge on Old Stage Road was hit by contractor, 1,500 gallons.

October 9, 2016 – Twelve inch sewer line on NC Highway 130 washed out due to Hurricane Matthew, 1,152,000 gallons of sewer.

Fairmont Effluent Limits (Regional Wastewater Treatment Plant)

	<u>Weekly Average</u>	<u>Monthly Average</u>
BOD	22.5 MG/L	15.0 MG/L
TSS	45.0 MG/L	30.0 MG/L
Fecal Coliform	400/100 ML	200/100 ML
Ammonia Nitrogen	12.0 MG/L	4.0 MG/L
Total Residual Chlorine	28 ug/l daily max	
Chronic Toxicity	pass/fail test done quarterly	
Total Mercury		12 ng/L

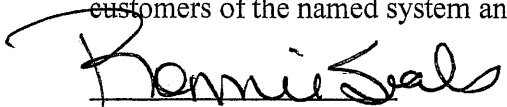
III. Notification

State how this report has been made available to users or customers of the system and how those users have been notified of its availability.

Public notice summarizing this report was placed in the local paper, "The Robeson Journal." Citizens were also informed that a copy of the performance report was available at Town Hall, 421 South Main Street, Fairmont, NC. A copy of this report was posted on the town's website www.fairmontnc.com.

IV. Certification

I certify under penalty of law this report is complete and accurate to the best of my knowledge. I further certify that this report has been made available to the users or customers of the named system and that those users have been notified of its availability.


Ronnie Seals, ORC
Town of Fairmont

2-28-17
Date