

**Town of Chadbourn
Waste Water Treatment Facility
Performance Annual Report**

I. General Information

Permit No.: NC 0021865_

Person in Charge/Contact:

Patricia Garrell, Interim Town Manager – (910) 654-4148

Daniel Clint Ward, Waste Water Treatment Plant Operator – (910) 654-3045

Description of Treatment Process

The Town of Chadbourn has a waste water treatment facility with a permitted flow of 1.0 million gallons per day (MGD) consisting of a mechanical bar screen, mechanical grit machine, influent and effluent flow recorders and samplers, two aeration basins, dual clarifiers, two aerobic digesters, a 1 MGD tertiary sand filter, gas chlorination/dechlorination system, a chlorine contact chamber, a backup generator and two polishing ponds. The total gallons treated for the year 2016 was 153.131 million and the annual average daily flow was 0.424 million gallons per day. The facility is permitted to land apply on 23.22 acres in Columbus County. There was no class B bio-solids land applied by in the year 2016.

II. Performance

Test Summary of System Performance for the Calendar Year 2016.

The Waste Water Treatment Facility was in Compliance for Monitoring, Reporting & Permit Limits for 2016, except:

1. In the month of December on the 12th day exceeds limit for the fecal coliform. Received a NOV in the month of April. As a result of being over the weekly limit there were problems with the chlorine injector not feeding enough chlorine to the effluent stream. The chlorine injector parts were replaced once the operator received notification of the exceeded limit to prevent future exceeded limits.
2. In the month of January on the 5th day exceeded the cooper limit in the past the town has had a few cooper limits to exceed due to a porta john company that use to dump in the collection system. The porta john company no longer is authorized to dump. Therefore the reason for the exceeded limit is unknown. The town received a NOV in April for the exceeded limit.
3. In the month of January the town received an NOV for the failure of the toxicity analysis done in December of 2015 and January of 2016. As a result of the failure the town received condensate waste from a rendering plant called Kansas City Sausage

Inc. which made the ammonia levels too high for the plant to process. The dumping was stopped immediately once the operator was notified from the commercial Lab.

Departmental Staff have worked diligently at eliminating the re-occurrence of any Compliance issues for 2016. If you would like any further information or a copy of this report, Contact Town Hall at: (910) 654-4148.

III. Notification

This report was made available to users by mail in the customer's monthly utility bill, via the Town's Website (www.townofchadbourn.com) or one can be obtained from the Town Hall.

IV. Certification

I certify under penalty of law that 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 of Chadbourn's Waste Water Treatment Facility and that the users were notified of its availability.

Daniel Clinton Ward, Wastewater ORC
Town of Chadbourn

Date