



# **CITY OF CONOVER WASTEWATER TREATMENT ANNUAL PERFORMANCE REPORT**

To:

From: City of Conover  
PO Box 549  
Conover, NC 28613

**Purpose:** This report is to notify our customers about our water pollution control activities during the fiscal year from July 1, 2008 through June 31, 2009. It covers our Wastewater Treatment Plant and Collection System.

## ***I. General Information***

Facility System Name: City of Conover Wastewater Treatment and Collection System

Responsible Entity: City of Conover

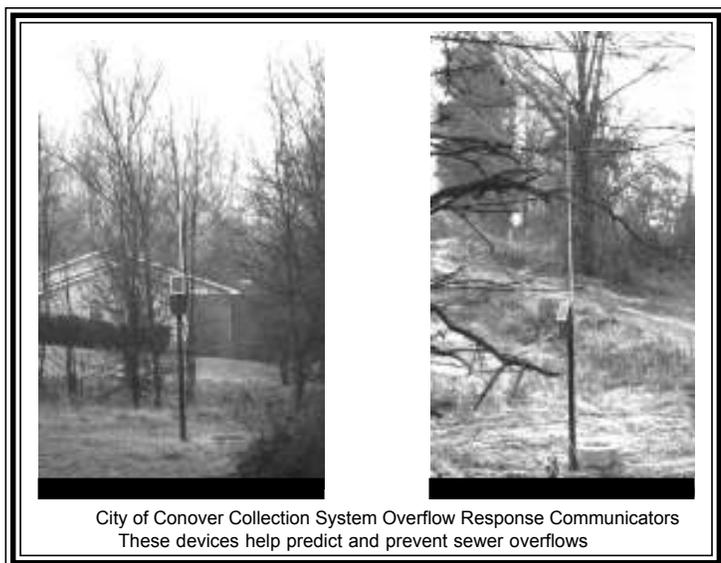
Person in Charge/Contact: Michael Fox - Wastewater Treatment and Collection Supervisor and  
Northeast WWTP ORC  
Collection System ORC  
Phone: 465-2279 Cell 217-5097  
Collection System  
Cell 217-5101

Applicable Permits: Northeast Wastewater Treatment Plant NC0024252  
City of Conover Collection System Permit No. WQCS00088

### **Description of Collection System and Treatment Processes:**

**Collection System:** The City of Conover's collection system consist of 120 miles of sewer line with seven pumping station. The collection system transports wastewater to the City of Conover's Northeast Wastewater Treatment Plant, and a portion, to the City of Newton's Regional Clark Creek Wastewater Treatment Plant.

**Northeast Wastewater Treatment Plant:** The City of Conover Northeast Wastewater Treatment Plant is located at 3680 Hillview Drive, Conover. It is a sequencing batch reactor, activated sludge facility with tertiary sand filters. The discharge goes into Lyle Creek. The Northeast Facility has a permitted treatment capacity of 1.5 million gallons per day with a present day average flow of 0.718 million gallons per day.



**Note to Consumers:** If all of your drains seem to be clogged, call the City before calling a plumber. The City crew will come out, at no charge, and check the problem and unclog the blockage if it is in the City's collection line. If it is in your tap you will have to call a plumber, but let us check first.

<b>Day time numbers:</b>	<b>464-4808</b> <b>465-2279</b> <b>217-5101</b> <b>217-5097</b>
<b>Evenings and Holidays</b>	<b>464-3112</b>

# Please help us keep our environment clean. Dispose of cooking grease as solid waste

## **II. Performance:**

The City of Conover is very proud of the performance of the treatment plant and collection system over this year 2008-2009.

### **Collection System:**

The City of Conover's Collection system experienced eight reportable overflows during the 2008-2009 period.

On December 11, 2008 a manhole on the outfall line behind the Bellview Subdivision between I-40 and Hwy 16 overflowed. Heavy rain caused the overflow.

On December 11, 2008 a manhole on the outfall line on 5th street and 3rd Ave NE overflowed . Heavy rain caused the overflow.

On December 11, 2008 a manhole at 4th street and 6th Avenue SW overflowed. Heavy rain caused the overflow.

On January 7, 2009 a manhole at 508 3rd Ave. NE overflowed . Heavy rain caused the overflow.

On January 7, 2009 a manhole at 3693 N Hwy 16 overflowed. Heavy rain caused the overflow.

On January 7, 2009 a manhole at 3555 Hillview Drive overflowed. Heavy rain caused the overflow.

On January 30, 2009 a manhole at the ER Pump station overflowed. Vandalism caused the overflow.

On March 3, 2009 a force main at Hanes pump station cracked. Pipe failure caused the overflow.

*The City of Conover's staff would like to take this opportunity to thank the concerned citizens who notified us of sewer problems this past year. Your help greatly improves our ability to protect the environment.*

### **Northeast Wastewater Treatment Plant:**

The City's Northeast Treatment plant had a non-compliance for NH3 as N for the month of December 2008. The limit was 4.0 mg/l and we had a 4.16 mg/l average. Heavy rain caused the problem.

The City's Northeast Treatment plant had a non-compliance for a weekly BOD limit for the week of August 25 through August 29. Our average for the week was 15.7 mg/l and our limit was 12 mg/l. Heavy rain caused the problem.

NEWWTP NC0024252	Discharge 001									
	Date	Flow (mgd)	Effluent Pollutants				Influent Pollutants			Removal
BOD			NH3	TSS	Fecal Coliform	Toxicity	BOD	TSS	BOD	TSS
July-08	0.668	3.6	0.35	1.1	10		259	193	99%	100%
August-08	0.724	5.5	0.56	2.4	5		241	203	98%	99%
September-08	0.700	1.0	0.73	0.8	5	PASS	299	273	100%	100%
October-08	0.623	0.8	1.27	0.0	63		262	169	100%	100%
November-08	0.601	2.1	0.05	0.8	7		283	188	99%	100%
December-08	0.764	6.9	0.17	3.6	2	PASS	249	188	97%	98%
January-09	0.733	5.5	0.04	1.8	3		265	244	98%	99%
February-09	0.609	0.2	0.88	0.0	1		305	164	100%	100%
March-09	0.838	1.9	1.95	0.0	1	PASS	175	129	100%	100%
April-09	0.739	1.7	0.77	0.0	1		221	165	100%	100%
May-09	0.745	2.1	2.45	0.0	3		280	234	99%	100%
June-09	0.871	2.9	0.63	0.5	3	PASS	210	159	99%	100%
Yearly Average	0.0.718	2.85	0.82	8.67	2		282	204	99%	100%
NPDES LIMIT	1.500	16/8	4.0/2.0	30	200col/100ml	Pass/Fail			85%	85%