



# **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, 2007 through June 31, 2008. 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

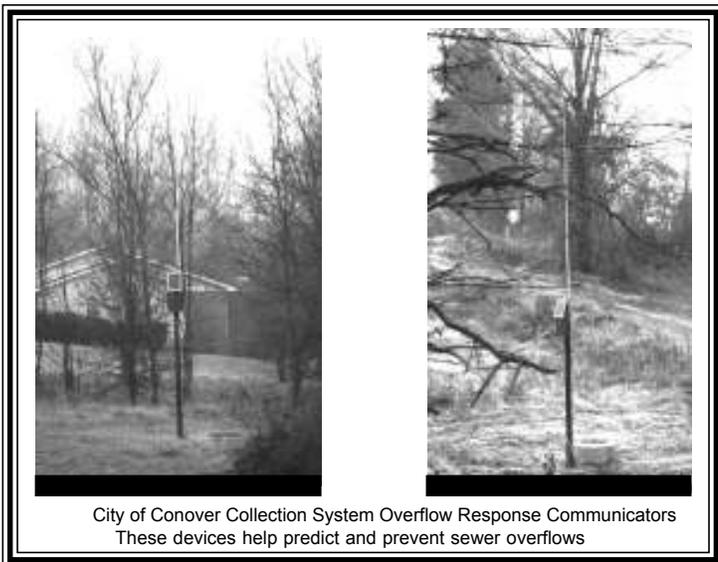
Person in Charge/Contact: Michael Fox - Wastewater Treatment and Collection Supervisor and  
 Northeast WWTP ORC  
 Collection System ORC  
 Phone: 465-2279 Cell 217-5097  
 Collection System  
 Cell 217-5101

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 0.0.703 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 plants and collection system over this year 2007-2008.

### **Collection System:**

The City of Conover's Collection system experienced three reportable overflows during the 2007-2008 period.

On January 14, 2008 Hanes Pump Station off of Evan Street overflowed and 3,600 gallons of untreated wastewater went into a tributary of Mclin Creek. The blockage was cleared by City crew and the area was cleaned up and treated with lime.

On March 7, 2008 Hanes Pump Station off of Evan Street overflowed and 250 gallons of untreated wastewater went into a tributary of Mclin Creek. The blockage was cleared by City crew and the area was cleaned up and treated with lime.

On March 13, 2008 a sewer manhole overflowed behind the Bellview subdivision east of highway 16 and north of I-40. 8,500 gallons of untreated wastewater went into a tributary of Lyle Creek. The blockage was cleared by City crew and the area was cleaned up and treated with lime.

*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 BOD weekly average violation, BOD monthly average, and ammonia monthly average which occurred in May 2008. The weekly BOD limit was 12 mg/l and the plant experienced a weekly average of 19.98 mg/l for the week ending May 16, 2008. A monthly BOD value of 8.3 mg/l occurred for the month of May with a 8.0 limit. A monthly Ammonia value of 2.45 mg/l for the month of May occurred with a limit of 2.0 mg/l.

NEWWTP NC0024252	Discharge 001									
	Date	Flow (mgd)	Effluent Pollutants				Toxicity	Influent Pollutants		Removal
BOD			NH3	TSS	Fecal Coliform	BOD		TSS	BOD	TSS
July-07	0.577	1	0.37	0.3	2		285	216	100%	100%
August-07	0.622	0.7	0.56	0	2		263	222	100%	100%
September-07	0.827	1.1	0.73	0.2	2	PASS	292	212	100%	100%
October-07	0.670	2.4	1.27	0.4	1		304	290	99%	100%
November-07	0.732	0.7	0.05	0	2		304	229	100%	100%
December-07	0.679	0.2	0.17	0.2	1	PASS	296	209	100%	100%
January-08	0.871	0.8	0.04	1.8	2		252	206	100%	99%
February-08	0.683	4.3	0.88	3.5	1		257	158	98%	98%
March-08	0.815	2.7	1.95	5.6	1	PASS	257	150	99%	96%
April-08	0.739	1.7	0.77	0.0	1		260	166	99%	100%
May-08	0.636	8.3	2.45	0.6	2		350	183	98%	100%
June-08	0.596	2.1	0.63	0.3	4	PASS	266	207	99%	100%
Yearly Average	0.703	2.17	0.82	1.08	2		282	204	99.3%	99.4%
NPDES LIMIT	1.500	16/8	4.0/2.0	30	200col/100ml	Pass/Fail			85%	85%