

**Town of Granite Falls
Wastewater Treatment Plant
Annual Operational Report
For The Year 2007**

2007 Highlights

The Granite Falls wastewater treatment plant is meeting all the limitations and requirements of NPDES Permit NC0021890, Land Application Permit WQ0001618, and Laboratory Certification #303 as issued by the North Carolina Division of Water Quality

The North Carolina Division of Water Quality inspected the Town of Granite Falls wastewater treatment plant on June 20, 2007. Their response letter stated that the facility was found to be in compliance with permit NC0021890 and that the treatment facility was well operated and maintained. The report also stated that the operating staff do an excellent job with operations and maintenance of this facility.

The Granite Falls wastewater treatment plant laboratory was inspected by the North Carolina Division of Water Quality, laboratory section on February 15, 2007. The laboratory has been certified to perform wastewater analysis for the 2007-2008 year. No major deficiencies were found during the inspection and only comments or recommendations were made by the inspector.

An evaluation inspection of the Granite Falls wastewater treatment plant land application program was conducted by the North Carolina Division of Water Quality aquifer protection section on August 09, 2007. Comments included that the facility was found to be in compliance with Permit WQ0001618. The 2006 annual report for application of class B bio-solids was completed and mailed to U.S. EPA and the North Carolina Division of Water Quality on February 08, 2007..

Class B bio-solids along with alum sludge from the water treatment plant were applied to area farm lands during the months of March and August 2007..

2007 IMPROVEMENTS

No major improvements were scheduled for the 2007 year. Normal maintenance functions along with building and grounds upkeep were continued as prescribed in our preventive maintenance plan. The wastewater treatment plant will turn 21 years old in 2008. A 20 year equipment life expectancy is typical design criteria for wastewater treatment plant equipment. With our scheduled and preventive maintenance program we hope to extend the life of wastewater treatment plant equipment while we prepare for replacement or refurbishment due to age and condition.

SUMMARY

The Granite Falls wastewater treatment plant has operated without any major problems or difficulties during the 2007 year. We are confident that we will continue our solid track record of operations and maintenance for future years to come.

Planning for the future will be a major issue for the treatment facility. As stated in the 2006 Annual Report major areas that will have to be addressed will be; age of the facility, land availability for expansion, regulatory and NPDES requirements along with the disposal of bio-solids. With proper planning we will prepare and address these and other future challenges.

The wastewater treatment plant continues to operated in a environmentally and cost effective manner. As always the treatment plant staff takes considerable pride in the overall operation and appearance of the treatment facility. The appearance and operation of this facility is reflection of how well you do your job along with the support you receive from Town officials.

**TOWN OF GRANITE FALLS
DEPARTMENT OF WATER RESOURCES
WATER AND WASTEWATER
TREATMENT PLANTS
2007 ANNUAL REPORT**

WATER TREATMENT PLANT

WASTEWATER TREATMENT PLANT

FLOW AND PRODUCTIONS RATES 2007 GRANITE FALLS WASTEWATER TREATMENT PLANT						
	Average Flow	High Flow		Low Flow		TOTAL FLOW
	(Million Gallons)	(Million Gallons)		(Million Gallons)		(Million Gallons)
January	0.531	1.634		0.342		16.461
February	0.370	0.490		0.315		10.360
March	0.462	1.614		0.318		13.860
April	0.342	0.430		0.306		10.260
May	0.315	0.355		0.276		9.765
June	0.303	0.373		0.270		9.090
July	0.291	0.334		0.265		9.021
August	0.296	0.402		0.255		9.176
September	0.321	0.473		0.255		9.951
October	0.33	0.983		0.270		10.230
November	0.292	0.401		0.251		8.760
December	0.380	0.818		0.282		11.780
AVERAGE:	0.352	0.692		0.284		10.730
TOTAL GALLONS TREATED 2003		173,321,000	TOTAL GALLONS TREATED 2004		156,414,000	
TOTAL GALLONS TREATED 2002		157,142,000	TOTAL GALLONS TREATED 2005		159,568,000	
TOTAL GALLONS TREATED 2001		145,747,000	TOTAL GALLONS TREATED 2006		144,697,000	
TOTAL GALLONS TREATED 2000		162,674,000	TOTAL GALLONS TREATED 2007		128,720,000	
TOTAL GALLONS TREATED 1999		165,332,000	AVERAGE GALLONS TREATED 2007		352,000	
TOTAL GALLONS TREATED 1998		185,600,000	% CHANGE FROM 2006		-11%	
TOTAL GALLONS TREATED 1997		176,841,000	% CHANGE FROM 1987		+17%	
TOTAL GALLONS TREATED 1996		176,521,000				
TOTAL GALLONS TREATED 1995		175,210,000				
TOTAL GALLONS TREATED 1994		177,660,000				
TOTAL GALLONS TREATED 1993		174,105,000				
TOTAL GALLONS TREATED 1992		144,470,000				
TOTAL GALLONS TREATED 1991		139,680,000				
TOTAL GALLONS TREATED 1990		148,660,000				
TOTAL GALLONS TREATED 1989		151,178,000				
TOTAL GALLONS TREATED 1988		120,300,000				
TOTAL GALLONS TREATED 1987		106,190,000				
GALLONS OF LIQUID BIO-SOLIDS APPLIED TO AREA FARM LAND						*780,000
* INCLUDES WATER PLANT ALUM SLUDGE						
2007 REPORT						

