

Town of Murphy

Commissioners
Frank E. Dickey
Barbara Hughes
Barry R. McClure

Rick Ramsey, Mayor
P.O. Box 130
Murphy, North Carolina 28906
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Commissioners
Noland Smith
Gail Walker Stansell
Karen Watson

Town of Murphy

Wastewater Treatment Plant Annual Report

January 2018- June 30, 2019

Prepared: June 26, 2019

Town of Murphy
P.O. Box 130
Murphy NC 28906

Mayor- Rick Ramsey – 828-837-2510 ext. 3

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WWTP ORC- Tyler White – 828-837-5035

WWTP Permit # NC 0020940

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1) Description of system of Treatment Process

The Town of Murphy Wastewater Treatment Plant (WWTP) utilizes a 1.4 MGD biological treatment process that includes two 730,000-gallon sequencing batch reactors (SBR), a 175,000-gallon post equalization basin, a chlorine contact basin which uses sodium hypochlorite for disinfection and a dechlorination basin which uses sodium bisulfite for dechlorination. The headworks consist of one mechanical bar screen and one manual bar screen bypass channel used as needed. There are two digestors that are combined 300,000-gallons which feed into a $\frac{3}{4}$ meter Phoenix belt press for dewatering. There is one Grundfos pump that is used to transfer the sludge to the belt press. The backup power system for the treatment plant is a 300KW Spectrum Detroit Diesel generator with an automatic transfer switch. The influent pumps used to feed the treatment plant are two 100HP submersible pumps with dual high level alarms and SCADA system.

2) System Performance

The following summary of performance for the year January 1st 2018 through June 30th 2019. The system was in continuous operation for the time period reported. There was no major breakdown of equipment.

Violations of permit conditions and parameters

January 2018- No Violations

February 2018- No Violations

March 2018- No Violations

April 2018- No Violations

May 2018- No Violations

June 2018- No Violations

July 2018- No Violations

August 2018- No Violations

September 2018- No Violations

October 2018- No Violations

November 2018- No Violations

December 2018- No Violations

January 2019- No Violations

February 2019- No Violations

March 2019- No Violations

April 2019- No Violations

May 2019- No Violations

June 2019- No Violations


There were no bypass or spill violations.

3.) Notification

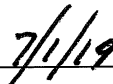
The Town of Murphy will publish a copy of this report on the Town of Murphy's website, and publish a link to the report on our monthly utility bills.

4.) 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 or customers of the named system and that those users have been notified of its availability.



Tyler White, WWTP ORC



Date