**Town of Valdese**

**Lake Rhodhiss Wastewater Treatment Plant**

**Annual Performance Report**

**Fiscal Year July 2017 – June 2018**

The Town of Valdese operates the Lake Rhodhiss Wastewater Treatment Facility located on Lake Rhodhiss, part of the Catawba River Basin. The Lake Rhodhiss Treatment Plant operates under the NPDES (National Pollutant Discharge Elimination System) Permit. The Plant also operates under a Permit for the distribution of Class A Residuals. The Class A Residuals, also known as compost is given to the public free of charge.

**Lake Rhodhiss Wastewater Treatment Facility**

2100 Lake Rhodhiss Drive

Phone (828) 879-2131

NPDES Permit # - NC0041696

Class Residuals Permit # - WQ0001990

Operator in Responsible Charge: Greg Padgett

This report is provided to meet the requirements of NC law (HB 1160). Copies are available at the Valdese Town Hall, the Lake Rhodhiss Wastewater Treatment Plant and on the Town of Valdese website <http://townofvaldese.com/pages/wastewater/> .

The Lake Rhodhiss Wastewater Treatment Plant treated and discharged a total of 700.00 million gallons of wastewater during the fiscal year. That was an increase in flow over the previous years and resulted in an average daily flow of 1.92 million gallons per day. An Inflow / Infiltration project was completed which helped eliminate some rain water from entering the system. Over 5000 samples were collected and analyzed during the fiscal year. All quarterly Whole Effluent Toxicity Test were passed during the previous fiscal year. During the fiscal year the Town of Valdese received a total of four violations, all of which were as a direct result of heavy rain events. The Town plans to get more aggressive in pursuing additional funding to address the issue of Inflow and Infiltration associated with these rain events. There was no adverse effect to the environment as a result of these violations.

**Notice of Violations for 2017 – 2018 fiscal year**

October 2017

Total Suspended Solids Weekly exceedance

Total Suspended Solids Monthly exceedance

April 2018

Total Suspended Solids Weekly exceedance

Fecal Coliform Weekly exceedance

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| --- | --- |
| **Lake Rhodhiss Wastewater Treatment Plant**  **Summary of Wastewater Flows**  **July 1, 2017 – June 30, 2018**  **All flows are expressed as million gallons (MG)** | |
| July 2017 | 48.4 |
| August 2017 | 63.2 |
| September 2017 | 55.7 |
| October 2017 | 65.5 |
| November 2017 | 60.9 |
| December 2017 | 53.1 |
| January 2018 | 61.5 |
| February 2018 | 59.8 |
| March 2018 | 56.0 |
| April 2018 | 62.7 |
| May 2018 | 56.0 |
| June 2018 | 57.2 |
| Total (MG) | 700 |
| Average Month (MG) | 58.3 |
| Average Day (MG) | 1.92 |

**Town of Valdese Collection System**

100 Whisnant Street

PO Box 339

Phone (828) 879-2128

Coll. System Permit # WQCS00032

Operator in Responsible Charge: Bryan Duckworth

The Town of Valdese maintains approximately 50 miles of sewer and 5 pump stations. During the July 2017 to June 2018 period, there was one reportable spill. There was no adverse effect to the environment due to the reported spill. Valdese continues to maintain sewer right of ways and inspect the collection system.

Spills: (1)

210 Adams St., Connelly Springs

Inflow & Infiltration, also due to roots.

1000 gallon total spill with 800 gallons reaching surface waters

Copies of this report are available at:

Town Hall at 102 Massel Ave SE

Lake Rhodhiss Wastewater Treatment Plant at 2100 Lake Rhodhiss Drive.

On the Town’s website at [www.townofvaldese.com](http://www.townofvaldese.com)

For more detailed information, contact the Water Resources Director, Greg Padgett at 828-879-2131 or [gpadgett@valdesenc.gov](mailto:gpadgett@valdesenc.gov)