

Town of Valdese
Lake Rhodhiss Wastewater Treatment Plant
Annual Performance Report
Fiscal Year July 2020 – June 2021

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: Chris Bortnick

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 789.7 million gallons of wastewater during the fiscal year, resulting in a decreased flow over the previous year. The average daily flow, for that time period, was 2.16 million gallons per day. Over 5000 samples were collected and analyzed during the fiscal year and all quarterly Whole Effluent Toxicity Tests were passed during the previous fiscal year. During the fiscal year, the WWTP received a total of two violations, which are directly attributed to rain events. The Town continues to pursue additional funding to address the issue of Inflow and Infiltration associated with significant rain events that cause dilemmas at the Lake Rhodhiss WWTP. There were no adverse effects to the environment as a result of this violation.

The Lake Rhodhiss WWTP also received its' renewed NPDES discharge permit in February 2021 and the latest version is effective from April 1, 2021 thru February 28, 2026.

Notice of Violations for 2020 – 2021 fiscal year

July 2020

- Effluent TSS – Weekly Average Exceeded due to heavy rain event.
- Effluent TSS – Monthly Average Exceeded due to heavy rain event.

February 2021

- Effluent TSS – Weekly Average Exceeded due to Hurricane Eta (November 2020).
- Effluent pH – Daily Minimum not reached.

Lake Rhodhiss Wastewater Treatment Plant Summary of Wastewater Flows July 1, 2020 – June 30, 2021 All flows are expressed as million gallons (MG)	
July 2020	46.33
August 2020	83.23
September 2020	74.85
October 2020	87.10
November 2020	78.82
December 2020	64.01
January 2021	52.52
February 2021	63.95
March 2021	75.70
April 2021	55.49
May 2021	52.73
June 2021	54.94
Total (MG)	789.7
Average Month (MG)	65.81
Average Day (MG)	2.16

Town of Valdese Collection System

100 Whisnant Street

PO Box 339

Phone (828) 879-2128

Coll. System Permit # WQCS00032

Operator in Responsible Charge: Greg Padgett

The Town of Valdese maintains approximately 50 miles of sewer and 5 pump stations. During the July 2020 to June 2021 period, there were three (3) reportable spills. There were no adverse effects to the environment due to the reported spill. Valdese continues to maintain sewer right of ways and inspect the collection system.

Spills: (1) September 2020: Cline Street Pump Station

2.8 inches of rain in 24-hr period; Inflow & Infiltration overloaded station capacity.

30,000 gallons reached surface waters

(2) October 2020: Cline Street Pump Station

Heavy rain event; 2,500 gallons reached surface waters

(3) November 2020: Cline Street Pump Station

Hurricane / T.S. Eta – 7 inch rain event

52,500 gallons reached surface waters

Copies of this report are available at:

- Town Hall (102 Massel Ave SE)
- Lake Rhodhiss Wastewater Treatment Plant (2100 Lake Rhodhiss Drive)
- On the Town's website at www.townofvaldese.com

For more detailed information, contact the Public Services Director, Greg Padgett at 828-879-2128 or gpadgett@valdesenc.gov