



United States Environmental Protection Agency
Region 4
CV-NC0037737-4262023
Reconnaissance Inspection Report

SECTION A: National Data System Coding

NPDES No.	MO/DAY/YR	Inspection-Type	Inspector	Facility-Type
NC0037737	4/26/2023	ROS (Reconnaissance without Sampling)	Tristan Odekirk	Privately-owned sewage treatment system

SECTION B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number) Nantahala Village WWTP 9400 U.S. Hwy 19W / Bryson City, NC, 28713	Entry Date/Time 4/26/2023 10:00 AM Exit Date/Time 4/26/2023 11:30 AM	Permit Effective Date 6/1/2018 Permit Expiration Date 10/31/2022
Names of On-site Representative(s)/Title(s)/Phone and Fax Number(s) On-site representatives are listed in Section D Constantine Roumel/Owner/904-228-9192 Mark Bentley/ORC John Winchester	Other Facility Data n/a	
Name, Address of Responsible Official/Title/Phone and Fax Number Mark Bentley/ORC/828-644-4835	Contacted ☒ Yes ☐ No	

SECTION C: Areas Evaluated During Inspection (Check only those areas evaluated)

☒ Permit	☐ Flow Measurement	☐ Operation & Maintenance	☐ CSO/SSO (Sewer Overflow)
☒ Records/Reports	☐ Self-Monitoring Program	☐ Sludge Handling/Disposal	☐ Pollution Prevention
☒ Facility Site Review	☐ Compliance Schedules	☐ Pretreatment	☐ Multimedia
☐ Effluent/Receiving Waters	☐ Laboratory	☐ Storm Water	☐ Other:

SECTION D: Summary of Findings/Comments (Attach additional sheets of narrative and checklists as necessary)

Attached below.

Name(s) and Signature(s) of Inspector(s) Tristan Odekirk TRISTAN ODEKIRK Digitally signed by TRISTAN ODEKIRK Date: 2023.06.13 16:16:51 -04'00'	Agency/Division/Phone and Fax Number EPA/ECAD/(404) 562-9295	Date 6/13/23
Signature of Management QA Reviewer Sayre, Dennis Digitally signed by Sayre, Dennis Date: 2023.06.14 09:37:50 -04'00'	Agency/Division/Phone and Fax Number EPA/ECAD/(404) 562-9756	Date 6/14/23



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Reconnaissance Inspection Report
(Continued)

Section D: Summary of Findings / Comments

On April 26, 2023, the U.S. Environmental Protection Agency, Region 4, conducted a Reconnaissance Inspection (RI) of the Nantahala Village wastewater treatment plant (the "Facility") located at 9400 Hwy 19 W in Bryson City, North Carolina. The Facility is owned by Roumelco Properties and operated by Earth Environmental Services as well as Nantahala Village resort staff. The Wastewater Treatment Plant (WWTP) is operated by a contract operator Mr. Mark Bentley, who is employed by Earth Environmental Services, and who is the operator of record. The inspection was conducted under the authority of Section 308 of the Clean Water Act (CWA), as amended. This report and attachments present the results of the inspection.

I. FACILITY DESCRIPTION

The Facility treats wastewater for a resort. Wastewater is conveyed by gravity from the resort to three storage chambers in series. The chambers collect provides primary treatment solids removal. The water then is distributed to three sand filters. Filtered water is split between a chlorine contact chamber and a recirculation tank. The recirculation tank has a pump that recirculates water to the sand filter. The chlorine contact chamber uses chlorine tablets to disinfect. Water passes through baffles and is dechlorinated with sodium sulfite tablets. Treated water is discharged to an unnamed tributary of the Nantahala River. The outfall was not inspected.

II. INSPECTION PROCEDURES

The objective of this RI was to evaluate the condition of the Facility and the permittee's self-monitoring program and offer compliance assistance as needed. Specific tasks included conducting an opening conference, interviewing Facility staff, conducting a site visit to the Facility, and a closing conference.

III. COMPLIANCE HISTORY

The EPA reviewed its Enforcement and Compliance History Online (ECHO – www.echo.epa.gov) on March 14, 2023. Effluent limit exceedances and Discharge Monitoring Report (DMR) non-receipt violations summarized in Attachment 1.

IV. PERMIT

The permit was issued June 1, 2018, and expired October 31, 2022. The permittee submitted a permit renewal application on March 8, 2023. Permit applications are due no later than 180 days prior to the permit expiration date.

The Facility is permitted to discharge from one outfall to an unnamed tributary of Nantahala River. DMRs are due monthly by the last day of the following month.

V. OPERATION AND MAINTENANCE

The sand filter system was disassembled to put pipes in a more effective location to avoid short circuiting and make maintenance easier (Figure 1 of Attachment 2). The recirculation tank had significant buildup of vegetative debris from surrounding woods causing issues with clogging. (Figure 2 of Attachment 2).

VI. FLOW MEASUREMENT

Flow is measured at the outfall with a bucket and timer.

VII. SAMPLING REVIEW

Sampling required in the NPDES permit is conducted by Earth Environmental Services, located in Murphy, NC. Samples are collected by the operator and sent to the commercial laboratory for analysis.

VIII. EFFLUENT AND RECEIVING WATERS

The effluent and receiving waters were not inspected. Flow was very low at the time of inspection.

IX. ATTACHMENTS

1. DMR Violation Summary
2. Photo Log

Attachment 1: DMR violation history 2020-2023

Parameter Description	Monitoring Period End Date	Permit Limit Value	Reported Value	Units	Violation Severity
Nitrogen, ammonia total [as N], 30-day ave	6/30/2022	5.5	11.9555	mg/L	Effluent Violation
Nitrogen, ammonia total [as N], 30-day ave	7/31/2022	5.5	27.1666	mg/L	Effluent Violation
Nitrogen, ammonia total [as N], 30-day ave	8/31/2022	5.5	16.45	mg/L	Effluent Violation
Nitrogen, ammonia total [as N], 30-day ave	9/30/2022	5.5	13.26	mg/L	Effluent Violation
Nitrogen, ammonia total [as N], 30-day ave	2/28/2023	11	15.7	mg/L	Effluent Violation
Nitrogen, ammonia total [as N], 30-day ave	10/31/2022	5.5	6.68	mg/L	Effluent Violation
Nitrogen, ammonia total [as N], 30-day ave	7/31/2021	5.5	6.38	mg/L	Effluent Violation
Nitrogen, ammonia total [as N], Daily Max	7/31/2021	27.5	33	mg/L	Effluent Violation
Nitrogen, ammonia total [as N], 30-day ave	10/31/2021	5.5	8.475	mg/L	Effluent Violation
Nitrogen, ammonia total [as N], Daily Max	7/31/2022	27.5	34.5	mg/L	Effluent Violation
Temperature, water deg. centigrade	3/31/2020			deg C	DMR Non-receipt
Temperature, water deg. centigrade	3/31/2020			deg C	DMR Non-receipt
Temperature, water deg. centigrade	3/31/2020			deg C	DMR Non-receipt
Temperature, water deg. centigrade	7/31/2020			deg C	DMR Non-receipt
Temperature, water deg. centigrade	7/31/2020			deg C	DMR Non-receipt
Temperature, water deg. centigrade	12/31/2020			deg C	DMR Non-receipt
Temperature, water deg. centigrade	12/31/2020			deg C	DMR Non-receipt
BOD, 5-day, 20 deg. C	3/31/2020	30		mg/L	DMR Non-receipt
BOD, 5-day, 20 deg. C	3/31/2020	45		mg/L	DMR Non-receipt
pH	3/31/2020	6 to 9		SU	DMR Non-receipt
Solids, total suspended	3/31/2020	30		mg/L	DMR Non-receipt
Solids, total suspended	3/31/2020	45		mg/L	DMR Non-receipt
Coliform, fecal MF, MFC broth, 44.5 C	3/31/2020	400		#/100mL	DMR Non-receipt
Coliform, fecal MF, MFC broth, 44.5 C	3/31/2020	200		#/100mL	DMR Non-receipt
Chlorine, total residual	3/31/2020	28		ug/L	DMR Non-receipt



Figure 1 Sand filter system disassembled for repairs.



Figure 2 Recirculation system with example of debris buildup.

END OF REPORT