

Town of Beech Mountain
Wastewater Collection and Treatment
System Performance Report
2022-2023 Fiscal Year

This report provides information on the collection and treatment system operated by the Town of Beech Mountain Public Utilities Department. Summarized herein is general information and performance data covering the period from July 1, 2022 to June 30th, 2023. A copy of this report is available to the public upon request. Please direct questions about this report to the Public Works and Utilities office at (828) 387-9282.

Collection and Treatment System Description

The Town of Beech Mountain Wastewater collection and treatment system consists of approximately 60 miles of sewer pipe, five lift/pump stations, and two treatment plants. The Town collection system is operated under Permit # WQCS00210.

The Town is permitted to treat wastewater at two facilities: Pond Creek Wastewater Treatment Plant (PCWWTP) and Grassy Gap Creek Wastewater Treatment Plant (GGCWWTP). The Pond Creek WWTP operates under National Pollutant Discharge Elimination System (NPDES) Permit # NC0069761. Wastewater is collected via a gravity system with two pump stations to a 0.400 million gallons per day extended aeration treatment plant with UV disinfection. No tonnage of biosolids for FY 2022-2023 have been disposed of. The Town maintains a Biosolids Disposal DCAR Residuals Management Systems Land Application Permit WQ0002523.

The Grassy Gap Creek WWTP operates under NPDES Permit # NC002273. Wastewater is collected via a gravity system with two pump stations to a 0.080 million gallons per day extended aeration treatment plant with C12 disinfection. Combined, the facilities have a treatment capacity of 0.480 million gallons/day. Reference Table 1 and Table 2 for Discharge Monitoring Report Statistics.

Performance Summary

Between July 1st, 2022, and June 30th, 2023,

Wastewater Treatment facilities had no violations during the period.

During the FY 2022-2023, the utility has also begun the Water and Sewer Rehabilitation Project. This project focuses on the replacement and rehab as well as many manhole repairs in 17,000 feet of sewer main in the continuing effort to reduce inflow and infiltration to our system. Project completion is expected by November 2025.

The Utility continues to plan for future repairs in our system and ask for customer involvement in reducing SSO volume and the reduction of water getting into the system. Help us to keep the

system free of materials that cause blockages by not dumping debris, fats, oils, or grease into the system.

To report a sewer spill, please contact the **Town of Beech Mountain Emergency Dispatch at 828-387-2342**. For questions regarding the Town Utilities programs or additional information regarding this report, please contact Mr. Daniel Davis, Utilities Director at (828) 387-9282. Copies of this report may be obtained by calling Public Works at (828)387-3828 and requesting a copy or Town Hall at (828) 387-4236 and requesting a copy. This report is also available at the town website, TownofBeechMountain.com, <https://townofbeechmountain.com/water-sewer/#water-reports>.

This document includes details about monitoring system discharges and overflows from our system, the preventative maintenance program the Commission has established to prevent potential problems and the degree to which we complied with State and Federal standards during the fiscal year ending June 30, 2008.

Certification of Accuracy

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 all persons or customers of the Town of Beech Mountain Municipal water and sewer system and have been notified of the availability of this report.

Daniel E. Davis Date 7/31/2023

Daniel Davis

Public Utilities Director

Town of Beech Mountain

Appendices:

Pond Creek WWTP	Total (MG)	Min (MGD)	Max (MGD)	Average (MGD)
July '22	4.805	0.12	0.23	0.155
August '22	4.278	0.09	0.17	0.138
September '22	4.56	0.08	0.26	0.152
October '22	4.74	0.09	0.34	0.153
November '22	5.79	0.08	0.477	0.193
December '22	5.828	0.022	0.313	0.188
January '23	8.685	0.15	0.46	0.28
February '23	7.756	0.15	0.59	0.277
March '23	5.704	0.09	0.48	0.184
April '23	3.93	0.11	0.16	0.131
May '23	5.208	0.09	0.47	0.168
June '23	5.43	0.09	0.58	0.181

Table 1: Pond Creek WWTP Effluent Flow Monthly Statistics '22-'23 FY. Total effluent flow discharged from treatment plant is measured in million gallons (MG). Min, max and average daily values are represented in units of millions of gallons per day (MGD).

Grassy Gap WWTP	Total flow (MG)	Min (MGD)	Max (MGD)	Average (MGD)
July '22	0.9455	0.011	0.064	0.0305
August '22	0.775	0.009	0.037	0.025
September '22	0.72	0.011	0.055	0.024
October '22	0.774	0.007	0.071	0.024
November '22	2.4	0.008	0.054	0.08
December '22	1.147	0.021	0.054	0.037
January '23	2.216	0.03	0.15	0.071
February '23	1.82	0.024	0.176	0.065
March '23	1.085	0.012	0.075	0.035
April '23	1.02	0.013	0.062	0.034
May '23	1.519	0.014	0.198	0.049
June '23	1.32	0.019	0.149	0.044

Table 2: Grassy Gap WWTP Effluent Flow Monthly Statistics '22-'23 FY. Total effluent flow volume is measured in million gallons (MG). Min, max and average daily values are represented in units of millions of gallons per day (MGD).

Table 3: NPDES Permit Compliance Violations Summary '22-'23 FY

Grassy Gap WWTP	Pond Creek WWTP
No Violations	No Violations