



Moundsville Sanitary/Stormwater Utility Bd.
P.O. Box 480
Moundsville WV 26041
Phone 304.845.4360
Fax 304.845.8973
www.moundsvillewwtp.myruralwater.com

The Moundsville Sanitary/Stormwater Utility Board and Department had a big change in 2021, with long-time Superintendent Larry Bonar retiring. Assistant Superintendent Tim Minor was appointed Interim Superintendent by the Board. In September, Brock Castilow was hired as Superintendent. Mr. Castilow brings almost thirty years of experience, having been employed by the City of Wheeling Wastewater Treatment Plant. The City of Moundsville plant is maintained by a staff of thirteen, including a Superintendent, Assistant Superintendent, Laboratory Technician, three plant operators, one mechanic/electrician, one sanitary/stormwater foreman, two sanitary system maintenance workers, two stormwater system maintenance workers and one Administrative Assistant. The treatment plant is staffed seven days a week with at least one operator working day turn and afternoon shifts.

The Supervisor, Assistant Superintendent, Lab Technicians, Plant Operators and Maintenance [Electrician are all required to and do hold a Wastewater Certification with the state of West Virginia. All Sanitary and Stormwater employees must and do hold a Collection System Certification with the state of West Virginia. The laboratory must be certified yearly by WVDEP. To remain a WVDEP Certified Laboratory, the Lab Technician must pass an on-sight inspection and two sets of unknown samples. Laboratory testing is performed on plant composite samples and grab samples two days a week to assure compliance with the discharge permit. In addition to the testing performed in our lab, outside labs are utilized monthly for required additional testing. In addition to the continuing education credits, employees also attend onsite training covering various topics. In 2021 the employee training hours reached 116.

A rate increase was passed by the Sanitary Board and subsequently City Council in January. An emergency repair on a manhole located at 7th and Lockwood was part of the increase. Staying compliant with West Virginia Senate Bill 234 caused a small rate increase to become a large rate increase. This bill requires a Working Capital Reserve fund be created and paid through the rates. Approximately 19% of the 34% rate increase goes directly to this new fund. A much-needed project to replace a portion of the 15" main trunk line located near the plant and complete in-plant repairs has been approved by the West Virginia Infrastructure and Jobs Council (IJDC) to be eligible for loan funding through the West Virginia Clean Water Revolving Fund. This loan will necessitate a rate increase, and that process will begin in early 2022.

The Wastewater Treatment Plant processed 636.2 million gallons of treated discharge for the calendar year 2021. Treatment of the wastewater includes flow through bar screens, grit tank, primary clarifiers, aeration tanks, final clarifiers and through a UV system before entering the Ohio River at mile point 102.5. The treatment process averaged a daily removal of 92% of CBOD and 96% of the suspended solids. Digested sludge is processed by two Ashbrook Belt Presses to remove water and create a sludge cake averaging 25.5% solids. Operators processed 1,149 wet tons of sludge cake for the year. Sludge cake is disposed at Short Creek Landfill.

In addition to regular preventative maintenance, several major plant projects were completed in 2021, including: replacing three grinders (\$43,707), replacing the clarifier drive (\$12,051), PLC for the bar screens (\$5,493), a new pick-up truck (\$31,650), and new UV bulbs and sleeves (\$5,600).

The Collection System projects for Sanitary included:

- 4 Sewer Truck Repairs
- Installed 11 Back Flow Preventers
- 4- Installed 5 New Service Lines
- 4- Repaired 37 Service Lines
- 4 Repaired Main Line - Sandy Avenue
- 4- Manhole Repair - Mulberry Avenue
- 4- Main Line Replacement - Street and Arlington Avenue 4 Main Line Repair - Ash Avenue
- 4- Manhole Installed - South Park
- 4- Main Line Extension - Kanawha Street

The Stormwater Board also approved a rate increase in 2021. This was for commercial entities only and increases a flat rate to a flat plus square footage rate. This increase will assist the efforts, but is minimal, and will take time to make any effect on the operating funds. The Stormwater Management Plan, including six minimum controls, continues to be implemented.

Notable projects for Stormwater included work at: Seventh Street and Baker Avenue, 15th Street, 4th Street and Baker Avenue, 2 Street, and Ash Avenue. Regular services include catch basins checked and cleaned, ditches cleared, and line cleaning. Smoke testing, televising, and cleaning of several feet of sewer main and service laterals were also accomplished.