



WASTEWATER DIVISION

SmartBall Inspection

Pure Technologies performed a SmartBall inspection of Bound Brook pump station's 10 inch force main. The SmartBall inspection is done by inserting the "SmartBall" into a launch point at the beginning of the line, pumping it to a retrieval site at the end of the line and analyzing data collected by sensors in the center of the ball. The SmartBall itself is a foam ball, sized specifically for the line to be inspected, with a set of sensors imbedded in the center.

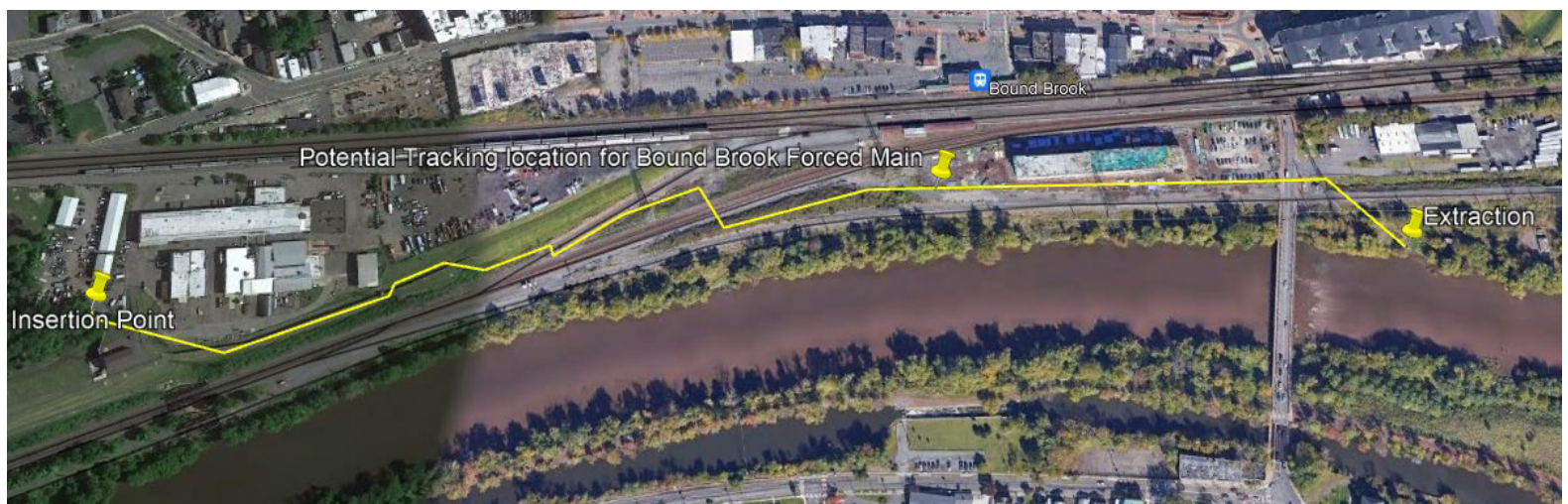
MCUA Maintenance, Lines and Meters, and the operator of Bound Brooks sewer system, NJ American Water, also assisted Pure with the inspection. Pure has inspected the South Bay Force Main for MCUA previously and the information gathered from the tests have been of great help in condition assessment and pinpointing locations of taps.

The BBFM was originally installed in 1957 and is approximately 3,300 feet long.

Wastewater Division November 2023 Statistics

- Average Influent flow -94.96mgd
- Average Effluent TSS -18 mg/l
- Average Effluent BOD - 16 mg/l
- Biosolids production -During November MCUA produced 10,300 wet tons of filter cake, all of which was processed through the dryers resulting in 4,125 wet tons of class A product.

*Rainfall for the month was 1.94 in.
as measured at the Treatment Plant.



C2 Licenses Achieved

Congratulations to Ryan O'Steen, Craig Connors and John Esposito who all passed their Advanced Collections Class and Exams! Each of these employees have put in tremendous work and effort. We could not be more proud!

SOLID WASTE DIVISION

Stormwater Pond Improvement Update



Solid Waste Division

November 2023

Year	Monthly Tons	Cumulative Tons
2023	38,980	468,048
2022	46,609	493,374

An average of 234 trucks hauled an average of 1,623 tons of waste to the Landfill facility each day.

Tomco Construction is working on improvements to two of the Middlesex County Landfill’s contact stormwater ponds. The photos attached show sand and dense graded aggregate placement before the final layer of pavement. Tomco will also install new pumps, piping and electrical panels. Expected completion of this entire contract is the end of March 2024.



TRAINING SCHEDULES

JANUARY TRAINING: Outdoor Work/ Heat Stress Safety

OUTDOOR WORK/HEAT STRESS SAFETY	JAN. 9TH	7:30 AM; 9:30 AM; 12 PM; 2 PM	PUBLIC MEETING ROOM	MAINTENANCE; OPS; DUOPHASE; IT/OT; LAB/EQ; L&M
OUTDOOR WORK/HEAT STRESS SAFETY	JAN. 11TH	7:30 AM; 9:30 AM; 12 PM; 2 PM	PUBLIC MEETING ROOM	MAINTENANCE; OPS; DUOPHASE; IT/OT; LAB/EQ; L&M
OUTDOOR WORK/HEAT STRESS SAFETY	JAN. 16TH	7:30 AM; 9:30 AM; 12 PM; 2 PM	PUBLIC MEETING ROOM	MAINTENANCE; OPS; DUOPHASE; IT/OT; LAB/EQ; L&M
OUTDOOR WORK/HEAT STRESS SAFETY	JAN. 18TH	7:30 AM; 9:30 AM; 12 PM; 2 PM	PUBLIC MEETING ROOM	MAINTENANCE; OPS; DUOPHASE; IT/OT; LAB/EQ; L&M

Welcome New Employees!

Angana Gandhi – Electrical Engineer
Joseph Resciniti, Jr. – Operator (OPS)

MCUA Toys for Tots Drive



A huge thank you to Richard Schnyderite for coming to pick up our FULL box of toys to be donated to “Toys for Tots”. The MCUA was the first business of the season to fill their box!

Last year, Toys for Tots donated a record breaking 24.4 million toys, books and games to 9.9 million children. Thank you to all who continue to make our yearly toy drive a huge success.