



WASTEWATER DIVISION

Return Sludge Pump Station Groundbreaking



Photo Credit: <https://www.middlesexcountynj.gov/>

Wastewater Division
February 2024
Statistics

- Average Influent flow - 100.54 mgd
- Average Effluent TSS – 22 mg/l
- Average Effluent BOD – 12 mg/l
- Biosolids production –During February, MCUA produced 8,852 wet tons of filter cake, resulting in 3,175 wet tons of class A product and 3,180 tons of class B product.

*Rainfall for the month was 1.81 inches as measured at the Treatment Plant.

The Middlesex County Utilities Authority was honored to host the Department of Environmental Protection (DEP) The Environmental Protection Agency (EPA), Middlesex County Commissioners, I-Bank and Engineering Consultants from R3M for the groundbreaking of the new Return Sludge Pump Restoration project at the Central Treatment Plant.

Chairman of the Board of Commissioners at MCUA, John Wiley emceed the event, which was attended by over fifty guests. The event speakers included: EPA Regional Administrator Lisa F. Garcia, New Jersey Environmental Protection Commissioner Shawn M. LaTourette, George Rolan from I-Bank, Middlesex County Commissioner Director Ronald G. Rios, and Executive Director of the Middlesex County Utilities Authority Joseph Cryan.

The 22.8 million-dollar project will be financed by a loan through NJ Water Bank, boosted by funding from EPA through the Bipartisan Infrastructure Law. It is scheduled for completion in approximately three years. The Return Sludge Pump Station Rehabilitation targets the essential infrastructure; originally constructed in the 1970s. These four stations play a vital role in maintaining the biological treatment process.

The project includes the installation of new plug valves, pipe segments, flow meters, and waste sludge pumps, along with necessary repairs and cleaning.

SOLID WASTE DIVISION

Caterpillar Inc. Equipment Training For Landfill Staff



Solid Waste Division

February 2024

Year	Monthly Tons	Cumulative Tons
2024	37,482	76,904
2023	35,208	78,975

An average of 232 trucks hauled an average of 1,562 tons of waste to the Landfill facility each day.

The Landfill’s Heavy Equipment Operators recently participated in the Level 2 Professional Operator Training hosted by Caterpillar Inc. The program’s objective is to improve the operating and application productivity of operators who have 3 or more years’ operating experience on heavy machinery. The instructor led training focused on Operator’s knowledge and enhanced their skills with both in class and workface education. Last October, Operators also participated in the Level 1 Competent Operator Training, which was the prerequisite for this course.



TRAINING SCHEDULE

APRIL TRAINING: PERSONAL PROTECTIVE EQUIPMENT

APRIL 2ND	7:30 AM; 9:30 AM; 12 PM; 2 PM	PUBLIC MEETING ROOM	MAINTENANCE; OPERATIONS; DUOPHASE; IT/OT; LAB/EQ; LINES & METERS; ADMIN.
APRIL 4TH	7:30 AM; 9:30 AM; 12 PM; 2 PM	PUBLIC MEETING ROOM	MAINTENANCE; OPERATIONS; DUOPHASE; IT/OT; LAB/EQ; LINES & METERS; ADMIN.
APRIL 9TH	7:30 AM; 9:30 AM; 12 PM; 2 PM	PUBLIC MEETING ROOM	MAINTENANCE; OPERATIONS; DUOPHASE; IT/OT; LAB/EQ; LINES & METERS; ADMIN.
APRIL 11TH	7:30 AM; 9:30 AM; 12 PM; 2 PM	PUBLIC MEETING ROOM	MAINTENANCE; OPERATIONS; DUOPHASE; IT/OT; LAB/EQ; LINES & METERS; ADMIN.

Landfill Puts Volvo Articulated Truck Into Service



The Landfill recently put a Volvo Articulated Truck into service to help increase effectiveness on the work-face. The Landfill Operators will put about 2,500 hours on this truck every year, and will move about 312,000 tons of material each year to cover the landfill and maintain the roads. The machine which weighs approximately 66,000 lbs, ensures both Operator’s safety and comfort while assuring improved productivity and to help save money on maintenance.