



SOLID WASTE DIVISION

Stormwater Piping Repair at the Middlesex County

Landfill



Solid Waste Division

December 2023

Year	Monthly Tons	Cumulative Tons
2023	38,806	506,854
2022	43,615	536,989

An average of 220 trucks
hailed an average of 1,552 tons
of waste to the Landfill facility
each day.

The Landfill's Annual Stormwater Inspection Report identified that the ends of three 42-inch corrugated HPDE pipes had been deformed by the weight of gabion baskets. The three pipes and gabion baskets are part of Downchute A of the existing final landfill cap and are located on the Southeastern side of the Landfill.

The project to repair the pipes consisted of removing the deformed ends of the existing 42-inch HPDE pipes and lining them with new 30-inch HDPE pipes. The void space between the existing and proposed pipes was filled with a grout mixture. The existing gabion baskets above the pipes were removed and the slope was graded and stabilized with riprap.

The project began on October 2, 2023 and was deemed substantially complete on January 10, 2024.



WASTEWATER DIVISION

Trench Boxes for Underground Repairs



Wastewater Division December 2023 Statistics

- Average Influent flow - 134.78 mgd
- Average Effluent TSS - 23 mg/l
- Average Effluent BOD - 17 mg/l
- Biosolids production - During December MCUA produced 10,799 wet tons of filter cake, all of which was processed through the dryers resulting in 4,549 wet tons of class A product;

*Rainfall for the month was 8.50 inches as measured at the Treatment Plant.

Recently, MCUA purchased two different sized trench boxes for our field employees. Trench boxes are used to protect workers while performing tasks within an excavation area. These trench boxes are steel or aluminum structures that are inserted into a trench or other excavation to secure the sidewalls from cave-in or erosion. The sidewalls of a trench box are held apart by spreaders, which can be customized to match the width of the excavation.

Previously, the use of trench boxes were optional, however in 1990, The Occupational Safety and Health Administration (OSHA) added new rules and guidelines for the excavation standard. This revision was based on statistics: excavation is one of the most dangerous types of construction with more workers killed or seriously injured than most others.



REMINDER: ALL BIZ LIBRARY ASSIGNMENTS ARE DUE MARCH 14TH!

TRAINING SCHEDULES

FEBRUARY TRAINING: PEOSH HAZARDOUS MATERIAL AWARENESS

PEOSH HAZARDOUS MATERIAL AWARENESS	FEB 6TH	7:30 AM; 9:30 AM; 12 PM; 2 PM	PUBLIC MEETING ROOM	MAINTENANCE; OPERATIONS; DUOPHASE; IT/OT; LAB/EQ; LINES & METERS
PEOSH HAZARDOUS MATERIAL AWARENESS	FEB 8TH	7:30 AM; 9:30 AM; 12 PM; 2 PM	PUBLIC MEETING ROOM	MAINTENANCE; OPERATIONS; DUOPHASE; IT/OT; LAB/EQ; LINES & METERS
PEOSH HAZARDOUS MATERIAL AWARENESS	FEB 13TH	7:30 AM; 9:30 AM; 12 PM; 2 PM	PUBLIC MEETING ROOM	MAINTENANCE; OPERATIONS; DUOPHASE; IT/OT; LAB/EQ; LINES & METERS
PEOSH HAZARDOUS MATERIAL AWARENESS	FEB 22ND	7:30 AM; 9:30 AM; 12 PM; 2 PM	PUBLIC MEETING ROOM	MAINTENANCE; OPERATIONS; DUOPHASE; IT/OT; LAB/EQ; LINES & METERS

OUTDOOR STRESS/ WORK SAFETY MAKE UP CLASS WILL BE HELD ON THURSDAY, FEBRUARY 1ST IN THE PUBLIC METING ROOM

Welcome New Employees!

Michael Frank - Health and Safety Officer
James Moran – Operator/Laborer (Solids)
Rylie Dininno – Lab Intern
Lisa Macor – Compliance Analyst



In Remembrance of Mr. Joseph Juliano

The MCUA shares their deepest condolences with the family of Joseph Juliano. A beloved commissioner of The Middlesex County Utilities Authority; he will be greatly missed.