



SOLID WASTE DIVISION

Construction of Stormwater Retention Pond Nears Completion

The MCUA's new stormwater retention pond, for which work began this summer, is on track for completion by the end of 2014. Designed to hold water after major rain events, the pond features a piping system that will discharge water to the leachate conveyance line for processing at the Wastewater Treatment Plant. The pond adds greater efficiency to the MCUA's operations, reducing the potential impacts of heavy rain, such as that experienced during recent hurricanes.



Before construction, the site where the new stormwater retention pond now sits.



The MCUA's new stormwater retention pond nearing completion.

Solid Waste Division
October 2014
Tonnage Figures

	Monthly Tons	Cumulative Tons
2014	46,763	448,755
2013	44,569	460,095

An average of 234 trucks hauled a total of 1,799 tons of waste to the landfill facility each day.

WASTEWATER DIVISION

Permanent Repair Work, Floodwall Set for Edison Pump Station

The Edison Pump Station, which serves nearly 150,000 residential users from its Woodbridge location, experienced significant damage as a result of Hurricane Sandy, much like the pump stations in Sayreville and South Amboy.

The surge of water triggered by the storm rose six feet above grade elevation, flooding the Pump Station's critical systems and resulting in the discharge of wastewater into the Raritan River.

So as to prevent such a scenario from occurring again, the MCUA engaged an engineering firm to design a series of permanent improvements, including new elec-

trical equipment and a 16-foot wall around the facility. According to FEMA guidelines, 16 feet is the required height to protect the facility from 500 year floods.

The MCUA is seeking funding for the repair work from the New Jersey Environmental Infrastructure Trust and from FEMA grants.

The MCUA remains committed to its founding mission – protecting and preserving central New Jersey's environmental resources – and understands that having the proper disaster preparedness and prevention plans in place is a key element to achieving that mission.

Damage sustained to the Edison Pump Station during Hurricane Sandy.



Wastewater Division

October 2014 Statistics

- Average Influent flow – 87.43 mgd
- Average Effluent TSS – 14 mg/l
- Average Effluent BOD – 14 mg/l
- Biosolids production – 15,933 wet tons, a 21% increase over the five-year average. The entire amount was processed through the dryers.

*Rainfall for the month was 2.81 inches as measured at the plant.