



SOLID WASTE DIVISION

Temporary Cap Installation Begins at Landfill

*Project Will Safeguard Against Erosion,
Help Odor Control*

A contractor for the MCUA will soon begin the installation of a temporary cap system on the Middlesex County Landfill's Cell 7 eastern slope. This is the portion of Cell 7 that faces the South River. As part of the capping process, the slope will be cleared and grubbed of vegetation, then landfill gas collection pipes and a leachate drain will be installed. Cover material will provide a smooth base for the installation of a temporary liner, which will be kept in place by sandbags and lines placed every ten feet.

The temporary cap will protect Cell 7's eastern slope against erosion and will also aid in odor control and the collection of Landfill gas. This methane gas is used to produce renewable energy that is used to power the MCUA's Wastewater Treatment Plant. The temporary cap installation will take place away from the current active portion of the Landfill.



The eastern slope of the Middlesex County Landfill's Cell 7.

New Wheel Loader To Be Used at Landfill

The MCUA recently replaced one of two wheel loaders that are used to load cover material into trucks for transportation to the Middlesex County Landfill workface. This piece of equipment will have to perform for over 300 days per year in all types of weather and in a very difficult work environment.



WASTEWATER DIVISION



Rehabilitation work at the final settling tanks in Sayreville.

Wastewater Division Rehabilitating Final Settling Tanks

The Wastewater Division is currently rehabilitating three of its sixteen final settling tanks at the Wastewater Treatment Plant in Sayreville. Six tanks having been rehabilitated since 2012 and another three will be by 2020. These tanks have been in continuous operation since 1978, making their maintenance and rehabilitation a priority.

In the settling tank process, gravity removes more than 70 percent of the particles in wastewater.

The rehabilitation includes replacing all of the mechanical equipment in the tanks, as well as the weirs along the edge of the tanks. The launders will also be coated with specialty materials to repair and prevent deterioration of the concrete.

Two of the four tanks that were installed in 1994 are being recoated. These newer tanks do not need their equipment replaced.



Wastewater Division

July 2018 Statistics

- Average Influent flow – 99.04 mgd
- Average Effluent TSS – 21 mg/l
- Average Effluent BOD – 12 mg/l
- Biosolids production – 12,863 wet tons, a 0.3% increase over the five-year average. The entire amount was processed through the dryers.

*Rainfall for the month was 6.78 inches as measured at the treatment plant.

Solid Waste Division

July 2018 Tonnage Figures

	Monthly Tons	Cumulative Tons
2018	54,869	326,570
2017	47,827	317,403

An average of 285 trucks hauled an average of 2,195 tons of waste to the Landfill facility each day.