



SOLID WASTE DIVISION

Lab Testing Rated “Excellent”

New Jersey DEP's accreditation and pollution proficiency testing laboratory, ERA, recently rated as “excellent” the work of the Solid Waste Division's laboratory.

As part of a twice-per-year exercise, the Solid Waste Division tests water samples for ph and temperature; if their measurements are accurate, the lab is deemed excellent and suitable for future work.

The Solid Waste Division lab regularly tests stormwater runoff and secondary collection, which is the water collected through the leak detection system of the Middlesex County Landfill's double-liner.

Solid Waste Division

April 2017 Tonnage Figures

	Monthly Tons	Cumulative Tons
2017	46,343	159,051
2016	45,714	160,227

An average of 245 trucks hauled an average of 1,853 tons of waste to the Landfill facility each day.



WASTEWATER DIVISION



MCUA Scientist Presents on Wastewater Division's Sustainability Efforts

Wale Adewunmi, Ph.D, CPSS – an Environmental Quality Scientist with the MCUA – recently made a presentation at the Safety and Sustainability fair of SWM International, one of the Authority's direct industrial participants.

In his presentation to the employees of SWM International, Dr. Adewunmi explained how the Authority is engaged in several multifaceted operations designed to make it self-sufficient and environmentally sustainable. These include the Gas-to-Energy program which collects Landfill gas to power much of its operations, including the Central Treatment Facility. The program also provides excess power to the grid.

The Wastewater Division's sustainability efforts include

1. beneficial re-use of effluent within the Central Treatment Plant and by the Competitive Power Ventures' Woodbridge Energy Center as cooling water in power generation,
2. beneficial use of Class A exceptional quality (EQ) biosolids recovered from the wastewater treatment process to fertilize fields and for cover material at the Middlesex County Landfill, and
3. air separation at the Central Treatment Plant through public-private partnership which provides needed oxygen for the wastewater treatment process.

SWM, which has an office in Spotswood, produces highly engineered materials from fibers, resins and polymers.



In Memoriam: Thomas Szumowski

The entire Board and staff of the Middlesex County Utilities Authority mourns the passing of Thomas Szumowski, an integral part of the Wastewater Division staff for the past twenty-three years. A lifelong resident of Sayreville, Thomas will be missed by many family and friends here in Middlesex County.

The Authority extends its deepest condolences to Thomas's wife Brenda Albin-Szumowski, a fellow Wastewater Division employee, and his entire family.

Wastewater Division

April 2017 Statistics

- Average Influent flow – 125.03 mgd
- Average Effluent TSS – 9 mg/l
- Average Effluent BOD – 9 mg/l
- Biosolids production – 16,625 wet tons. Approximately 11,623 wet tons (70%) were processed through the dryers, and an additional 5,002 wet tons (30) were lime stabilized and disposed out of state. The dryers were down for semi annual maintenance from April 1 through April 8.

**Rainfall for the month was 4.94 inches as measured at the plant.*