



WASTEWATER DIVISION

MCUA Awards Contract to Protect Edison Pump Station from Future Storms

In an effort to increase resiliency and protect the Edison Pump Station from severe storms similar to Superstorm Sandy, the Middlesex County Utilities Authority (MCUA) has awarded a contract to Walsh Construction Company II, LLC to construct flood walls around the station and to replace equipment that was compromised during Superstorm Sandy.

The \$26,871,000 project will be financed through the New Jersey Environmental Infrastructure Trust, as part of a grant from the Federal Emergency Management Agency

(FEMA) to improve drinking water and wastewater infrastructure. In October, 2015, FEMA awarded grants to the MCUA to improve both the Sayreville and Edison Pump Stations.

The Edison Pump Station, located in Woodbridge, conveys wastewater for approximately 145,000 residents as well as numerous commercial and industrial businesses in Carteret, Perth Amboy, Edison and Woodbridge. The regional raw sewage pumping center pumps approximately 85-million gallons per day – or 57,000

gallons per minute – of average dry-weather sanitary flow.

Record storm surges related to Superstorm Sandy inundated and shut down the Edison Pump Station and caused extensive damage to the pump's components. Upgrades made through this contract will be designed to protect the station against a 1-in-500-year flood event.

The Edison Pump Station's proposed perimeter flood wall will be approximately 650 long with a design top elevation of 23 feet above sea level.



WASTEWATER DIVISION

Larkin Retires from Wastewater Division

Jim Larkin will cap 43 years of service at the Middlesex County Utilities Authority with his retirement on September 1, 2016.

Jim joined the MCUA's Wastewater Division in May 1973 as a temporary utility man. He was permanently employed starting in September that same year. Jim became an Operator, 2nd Class in January 1981 and was promoted to Operator, 1st Class in October 1981. Since 1984, he has been a Shift Supervisor in charge of one of four shifts which operates the Central Treatment Plant.

Jim has provided outstanding service to our customers and residents during his long career and has been a part of the significant growth and improvements to our Wastewater Division. The entire Board and staff of the MCUA thanks Jim Larkin for his more than four decades of faithful service and wishes him health and happiness in his well-deserved retirement.



Executive Director Rich Fitamant congratulates Jim Larkin on his retirement.

Solid Waste Division

July 2016 Tonnage Figures

| | Monthly Tons | Cumulative Tons |
|-------------|-----------------|--------------------|
| 2016 | 43,680 | 305,596 |
| 2015 | 52,349 | 324,360 |

An average of 246 trucks hauled a total of 1,747 tons of waste to the landfill facility each day.

Wastewater Division

July 2016 Statistics

- Average Influent flow – 91.49 mgd
- Average Effluent TSS – 24 mg/l
- Average Effluent BOD – 16 mg/l
- Biosolids production – 11,141 wet tons, a 17.4% decrease over the five-year average. The entire amount was processed through the dryers.

*Rainfall for the month was 4.96 inches as measured at the plant.