

Middlesex County Utilities Authority

Hurricane Sandy Update

January 10, 2013

Meetings

FEMA representatives toured the Greenbrook Pump Station and several collection system appurtenances and meter chambers; MCUA is seeking funding for debris removal, emergency repairs and mitigation costs from FEMA.

FEMA, USACE, USEPA and NJDEP

Federal and State agencies have visited the site and are fully briefed on the bypass operations of the MCUA. Both agencies are constantly monitoring the situation and have been providing whatever resources the MCUA needs.

Service Interruptions

None reported

Central Wastewater Treatment Plant

The Central Treatment Plant is fully operational and is handling all wastewater and trucked waste entering the plant in Sayreville. Currently, the Central Treatment Plant is being powered by the Landfill Gas to Energy Facility and local electric utility.

The average rate of wastewater flow entering the Central Treatment Plant:
93 million gallons a day

South Amboy Pump Station

Operational

Repairs to damaged equipment are being performed by MCUA, which are ongoing.

The estimated average rate of wastewater flow conveyed to the Central Treatment Plant:

1-2 million gallons a day

Edison Pump Station

Operational

Four Main Pumps capable of conveying 85 MGD to the Central Treatment Plant are in operation.

Repairs to electrical, mechanical and control equipment in the pump station continue and on-site emergency generators are functional in the event of loss of electric utility power; however, generator automatic control issues remain to be resolved. Generator load tests scheduled to be performed with manual transfer switching rescheduled to next week.

Emergency work nearing completion; Contractors in the process of demobilization.

Bypass pumping system capable of handling 20 -24 mgd is in standby mode.

Currently, the Main Pumps are able to convey 85 million gallons per day of wastewater to the Central Treatment Plant, which exceeds the average daily amount of wastewater that enters the station

The estimated average rate of wastewater flow conveyed to the Central Treatment Plant:

16 million gallons a day

Sayreville Pump Station

Original Sayreville Pump Station

Operating Main Pumps 2E and 3E [rated capacities of each pump 33MGD @ 102 feet Total Head], continuing the evaluation of pump hydraulic and mechanical performance; tests performed indicate Pumps 2E and 3E are capable of conveying approximately 80 MGD

Continuing hydraulic evaluations of pump system conveyance capacity; draft report on the findings has been completed and is under review, further evaluations are ongoing.

Controls to permit manual back-flushing of Main Pumps 2E and 3E by MUA Operators remain operable; back-flushing of pumps was performed today.

Completed repairs to Main Pump 2E hydraulic system

Bar Screen No. 1 scheduled for start up this week.

Sayreville Relief Pump Station

Operating Bar Screen Nos. 1 and 2, and Interconnection channel between SRPS Wet Well and OSPS Wet Well

Reactivated the second electric utility feeder from JCP&L and closed isolation breaker to allow for electrical supply to all pumps (upon pump installation and operation) from either supply.

Continued testing of Emergency Generator; air circuit breaker repair required

Installation of new electrical feeder cables from 5kv switchgear room to local panels on intermediate level.

Continued layout for Main Pump 2R Variable Frequency Drive (VFD)

Continued demolition and removal of damaged mechanical and electrical equipment.

Continued coordination of surge control panel planning and fabrication; performed restoration work on surge accumulator systems.

Temporary Bypass Pumping System

Operational

System operation has been on an intermittent basis due to Main Pumps 2E and 3E conveying all of the dry weather flow today to the Central Treatment Plant.

Performed Pump maintenance; exercised pump motors for maintenance.

The estimated average rate of wastewater flow conveyed by the Main Pumps and/or Temporary Bypass Pumping System to the Central Treatment Plant:
75 million gallons a day

Temporary Wet Weather Overflow Facilities

WW-1 Facility at SPS site completed with floatables control system

- Continued fusing of common discharge header to floatables control system for WW-A, WW-B and WW-C pumps and installed road plate for header
- Delivered and installed replacement pump for WW-A pump

WW-2 Facility at MCLF completed with floatables control system

WW-3 Facility at MCLF completed with floatables control system

- Repaired damaged pump seal (Inadvertently reported on January 9, 2013 Daily Report as WW-2 pump)

WW-4 Facility at MCLF:

- Pump WW 4-1 completed with floatables control system
- Pump WW 4-2 completed with floatables control system
- Pump WW 4-3 completed with floatables control system

All six Wet Weather Overflow Pumps are now fully operational and freeze protection is in place

Industrial Users

Industrial users are being notified that Sayreville Pump Station and Edison Pump Station currently can convey average daily flows to the Central Treatment Plant and may resume discharging to their respective wastewater collection systems. Also, MCUA maintained the reduced trucked in waste rate until January 4, 2013. As of January 5, 2013 the Septage Rate is \$48.00/1000 gallons and the Industrial Rate is \$72.00/1000 gallons.

Uncontrolled Overflows

None as of December 27, 2012

Controlled Overflows

None as of December 29, 2012

Middlesex County Landfill Extending Hours

Middlesex County Landfill is fully operational and open to accept solid waste for disposal. The Landfill will continue to extend operating hours during the week. Below is the schedule for the Landfill in East Brunswick.

Monday- January 7 through Friday- January 11	7:00am-4:30 pm
Saturday-January 12	7:00am-2:00 pm
Sunday-January 13	Closed
Monday- January 14 through Friday- January 18	7:00am-4:30 pm

Contact Information: Tony Cicatiello, 908.568.3280