

Middlesex County Utilities Authority

Hurricane Sandy Update

January 2, 2013

Meetings

None scheduled

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:
109 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 will continue and on-site emergency generators are functioning, however, control issues remain to be resolved

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

Rotating assembly for the fifth pump was received today and scheduled to be installed. However, a cracked bearing housing was discovered in the pump one rotating assembly that was in operation. The fifth pump rotating assembly will be placed in pump one and the damaged unit will be sent to the pump manufacturer for inspection.

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

19 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 conveying approximately 74 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. Temporary flow monitoring equipment installation scheduled to be completed this week. Completed installation of suction pipe gauges for Pumps 2E and 3E.

Completed installation of controls to permit manual back-flushing of Main Pumps 2E and 3E by MCUA Operators. Both pumps were back-flushed today which restored their 74MGD pumping rate.

Continued cross bracing installation for Pump 4E intermediate bearing

Continued work for the installation of the Bar Screens.

Sayreville Relief Pump Station

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

Completed automation of Bar Screen Nos. 1 and 2, screenings conveyor and screw press are also in operation

Initiated removal of Pump 2R rotating assembly for refurbishing

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

Planning is ongoing to activate the second electric utility feeder

Continued demolition and removal of damaged mechanical and electrical equipment

Continue testing of 5KV switchgear

Temporary Bypass Pumping System

Operational

Performed Pump maintenance: conducted preventive maintenance

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

Temporary Wet Weather Overflow Facilities

WW-1 Facility at Sayreville Pump Station Site functional with interim floatable control

WW-2 Facility at MCLF completed with floatables control system

WW-3 Facility at MCLF completed with floatables control system

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:
 - Set 30 in. suction pipe and initiated connection to Pump
 - Fused 24 in. pump discharge piping and set into place on crib

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 will maintain the reduced trucked in waste rate until January 4, 2013 to accommodate entities which elect to have their wastewater processed at its Central Treatment Plant.**

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.

Wednesday- January 2 through Friday- January 4	7:00am-4:30 pm
Saturday- January 5	7:00am- 2:00pm
Sunday- January 6	Closed

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