

Middlesex County Utilities Authority

Hurricane Sandy Update

December 31, 2012

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:
111 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

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

21 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

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 ongoing, several technical issues were encountered, completion scheduled this week. Tests performed today indicate Pumps 2E and 3E are conveying approximately 74 MGD; back-flushed the two Main Pumps and shut down Temporary Bypass Pumping System to monitor flow

Continued evaluation of programming options for manual back-flush capabilities for Main Pumps 2E and 3E

Performed cross bracing installation for Pump 4E intermediate bearing

Sayreville Relief Pump Station

Operating Bar Screen 1 and Interconnection channel between SRPS Wet Well and OSPS Wet Well

Performed repairs on screenings conveyor equipment

Planning is ongoing to activate the second electric utility feeder

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

Continued demolition and removal of damaged mechanical and electrical equipment

Temporary Bypass Pumping System

Operational

Performed Pump maintenance: back flush pumps, rotated road plates and conducted preventive maintenance

Continuing hydraulic evaluations of pump system performance and compiling data from tests performed and preparing report

The estimated average rate of wastewater flow conveyed by the Main Pumps and Temporary Bypass Pumping System to the Central Treatment Plant:
88 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:
 - Pump set on stone pad; set and bolted netting chamber and pump suction piping; fused and positioned 24 in. discharge piping

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 1, 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.

Tuesday- January 1, 2013 New Year's Day	Closed
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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