

Middlesex County Utilities Authority

Hurricane Sandy Update

December 20, 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:
106 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

Three Main Pumps capable of conveying 72 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

Main Pump No. 4 was installed and tested. Control issue was detected and is under further investigation.

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

Currently, the Main Pumps are able to convey 72 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:

19 million gallons a day

Sayreville Pump Station

Original Sayreville Pump Station

Operating Main Pump 3E (40MGD)

Completed wiring for Main Pump 2E control panel

Energized Main Pump 2E to check rotation, electrical work ongoing to place Main Pump 2E into operation

Completed installation of new valve and pipe supports on discharge header

Completed adjustments and inspection of Bar Screen No. 1, anchored into position and grouted into place

Completed wiring Bar Screen No. 1 into Control Panel

Initiated construction of temporary discharge chute for Bar Screen No.1

Sayreville Relief Pump Station

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

Installation of new load cables for all cranes ongoing

Completed installation of cable trays in the intermediate level

Continued work on the motor starter in the 5Kv switchgear to place Main Pump 2E into operation

Continued electrical work to recondition Oil Circuit Breakers in outdoor substation to restore second utility service feeder

Temporary Bypass Pumping System

Operational

Performed Pump maintenance, completed back flushing, rotated road plate for Pump 1-1 and Pump 1-2; and continued discussions with pump supplier to assure maximum pump flow rates

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

85 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:

- Continued preparation of site for placement of Pumps (WW4-1, WW4-2 & WW4-3) and pump discharge manifolds
- Completed 30-inch suction pipe for WW-4-1 pump
- Completed fusing of 36-inch inlet and discharge pipe for floatable control unit
- Installed Floatable Control Unit for WW 4-1 pump and continued work on connecting inlet and outlet 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 since November 14, 2012

Controlled Overflows

At 12:15 am on December 9, 2012, Main Pump 3E (40MGD) in the Original Sayreville Pump Station was placed into operation. With this pump in operation in concert with the four Temporary bypass pumping systems, it is anticipated intermittent controlled overflows will no longer occur when normal average daily flows enter the Sayreville Pump Station.

A wet weather event commenced on December 17 and continued into December 18 which elevated the sewage flow entering the Sayreville Pump Station facilities beyond the available capacity of the one operational Main Pump and Temporary bypass pumping systems. Controlled overflow commenced at the Sayreville Pump Station on December 19, 2012 at 9:15pm and was stopped today at 2:05am.

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-December 17 through Saturday December 22	7:00am – 4:30pm
Sunday-December 23	Closed
Monday-December 24 (Christmas Eve)	7:00am – 12:00pm
Tuesday-December 25 (Christmas Day)	Closed
Wednesday-December 26 through Friday December 28	7:00am – 4:30pm

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