

Middlesex County Utilities Authority

Hurricane Sandy Update

December 18, 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:
119 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

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:
32 million gallons a day

Sayreville Pump Station

Original Sayreville Pump Station

Operating Main Pump 3E (40MGD)

Continued work to activate Main Pump 2E (electrical power and control wiring ongoing)

Completed installation of Pump 2E drive shaft

Preparing to replace valve on discharge header

Completed adjustments and inspection of Bar Screen No. 1 and is ready for grouting into place

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

Continuing installation of cable trays

Continued work on Main Pump 2E motor starter for operation in the 5kv switchgear

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 and pump supplier inspected system 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)
- Work ongoing for fusing of 24 inch HDPE pipe

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 overflows commenced at the Sayreville Pump Station on December 18, 2012 at 10:50am and were ongoing at 7:00pm. WW-1 pump was activated during this period due to the wet weather. In addition, WW-2 and WW-3 pump arrangements at the Landfill site were both tested for 15 minutes today for the first time while the overflows were occurring at the Sayreville Pump Station. This test was coordinated with the NJDEP.

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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