

Middlesex County Utilities Authority

Hurricane Sandy Update

December 13, 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:
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

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:
18 million gallons a day

Sayreville Pump Station

Original Sayreville Pump Station

Operating Main Pump 3E (40MGD)

Continued work for the installation of Main Pump 2E

Installed temporary support for discharge cone check valve to Main Pump 2E

Continued demolition of electrical equipment for placement of new pump control panels

Completed modifications to seal and provide manual control of slide gate in Influent Channel

Remove and replace netting for interim floatables removal system in overflow channel

Sayreville Relief Pump Station

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

Continued work on overhead cranes in lower levels

Continuing installation of Temporary Electrical Power Panels and cable trays

Preparing Main Pump 2E motor starter for operation in the 5kv switchgear

Temporary Bypass Pumping System

Operational

Schedule maintenance performed

The estimated average rate of wastewater flow conveyed to the Central Treatment Plant:
73 million gallons a day

Temporary Wet Weather Overflow Facilities

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

WW-3 Facility at MCLF completed with floatables control system

WW-4 Facility at MCLF, all three pumps received at the MCLF

WW-2 Facility:

- Completed pump stone pad and installed WW-2 Pump on pad
- Completed stone base and set netting in place
- Completed 36 inch HDPE discharge pipe manifold for WW-2 Facility
- Completed work on MH 3 casing and backfilling excavation for installation of Suction Pipe for WW-2 Pump

Industrial Users

Industrial users are being asked to minimize their process wastewater flow to their respective wastewater collection systems, which then flows to the MCUA. Also, MCUA has reduced its trucked in waste rate to accommodate companies which elect to have their wastewater processed at the central treatment plant.

Uncontrolled Overflows

None since November 14, 2012

Controlled Overflows

None since 10:45pm on December 8, 2012

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.

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 10 through Saturday – December 15 7 am- 4:30 pm

Contact Information: Tony Cicatiello, 908.568.3280