

Middlesex County Utilities Authority

Hurricane Sandy Update

December 26, 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:
91 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 has been installed, tested and can be operated in manual mode. Control issues are still under 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:

15 million gallons a day

Sayreville Pump Station

Original Sayreville Pump Station

Operating Main Pumps 2E and 3E [rated capacity of each pump 40MGD], currently evaluating pump hydraulic and mechanical performance; tests performed indicate both pumps conveying approximately 45 MGD

Continuing hydraulic evaluations of pump system conveyance capacity; additional testing was performed today, report on the findings is scheduled to be completed by the end of the week. Temporary flow monitoring equipment is scheduled to be installed for future testing.

Continuing work for installation of bar screens

Sayreville Relief Pump Station

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

Completed removal of all six pump motors, the two constant speed pump motors have previously been shipped for refurbishment, the remaining four variable speed motors are scheduled to be shipped this week

Completed the removal of all pump drive shafts

Continued 5Kv switch gear wiring modifications and testing of protective relays for overcurrent

Completed testing of 5kV switchgear OCB for activation of a second electric utility feeder; planning on going to activate the second feeder

Continued testing and coordination of the 480V MCC circuits and wiring

Continued work on the electrical connections for the new actuators to operate sluice gates in the screen room

Continued selective removal of electrical equipment, wiring and conduit

Continued coordination of surge control panel planning and fabrication

Temporary Bypass Pumping System

Operational

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

Modified suction pipe for Temporary Bypass Pump 1-1 to raise the suction opening level to minimize debris uptake

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

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

74 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
- Today, Pump WW 4-2 was completed with floatable control system

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 1:42pm on December 21, 2012

Controlled Overflows

None since 8:00pm on December 22, 2012

At 12:15 am on December 9, 2012, Main Pump 3E and at 2:45pm on December 21, 2012 main Pump 2E both in the Original Sayreville Pump Station were placed into operation. With these pumps 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.

Wednesday-December 26 through Saturday December 29	7:00am-4:30pm
Sunday-December 30	Closed
Monday- December 31, New Year's Eve	7:00am-3:00pm
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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