

Middlesex County Utilities Authority

Hurricane Sandy Update

January 3, 2013

Meetings

FEMA representatives toured the South Amboy Pump Station site and discussed the preparation of Project Worksheets in order to receive reimbursement of MCUA's costs.

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:
101million 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. Generator manufacturer on site today to address control issues and preparing to perform operational testing of both emergency units.

Bypass pumping system capable of handing 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:

17 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; tests performed indicate Pumps 2E and 3E are conveying approximately 74 MGD

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 determined to be incompatible with pipe lining; Main Flow Meter at Central Treatment Plant will be used to monitor flow.

Controls to permit manual back-flushing of Main Pumps 2E and 3E by MUA Operators remain operable; no back-flushing was required today.

Continued work for the installation of the Bar Screens; screen manufacturer on site today to initiate start-up of Bar Screen No. 1

Sayreville Relief Pump Station

Operating Bar Screen Nos. 1 and 2, and Interconnection channel between SRPS Wet Well and OSPS Wet Well

Completed removal of Pump 2R rotating assembly for refurbishing

Continued coordination of surge control panel planning and fabrication; performed

restoration work on surge accumulator systems

Planning is ongoing to activate the second electric utility feeder

Continued demolition and removal of damaged mechanical and electrical equipment

Continued work on 5KV switchgear; rewiring to accommodate new VFD's for variable speed pumps; initiated testing of relays for operation of emergency generator

Temporary Bypass Pumping System

Operational

Performed Pump maintenance: conducted preventive maintenance

The estimated average rate of wastewater flow conveyed by the Main Pumps and Temporary Bypass Pumping System to the Central Treatment Plant:
82 million gallons a day

Temporary Wet Weather Overflow Facilities

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

- Initiated fusing of 36in. pipe for netting chamber installation for floatables 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 completed with floatables control system

All six Wet Weather Overflow Pumps are now operational

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 4, 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.

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|--|----------------|
| 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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