

# **Middlesex County Utilities Authority**

## **Hurricane Sandy Update**

**December 22, 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

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:

22 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

Continuing hydraulic evaluations of pump system conveyance capacity

Continuing installations of Bar Screen Nos. 2 and 3; Bar Screen No. 1 ready for operation

### **Sayreville Relief Pump Station**

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

Continuing repairing accumulator hydraulic system for the pipeline surge relief system (motors, etc)

Continuing work on the 5Kv switchgear

Completed Installation of repaired Pump 3R rotating assembly

### **Temporary Bypass Pumping System**

Operational

Performed Pump maintenance: back flush pumps, repair check valves and rotated road plates

Continuing hydraulic evaluations of pump system performance; consideration being given to replace road plates with piping

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

95 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
- Completed placement of Pump WW 4-2 and completed fusing of suction 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

### **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 20 and continued into December 21 which elevated the rate of 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 on December 21, 2012 at 8:20am at the Sayreville Pumping Station and continued until 4:05am today during a low flow period. As sewage flow peaked during the day, controlled overflows recommenced today at 12:40pm and continued until 8:00pm.

**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.

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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