

# ***Middlesex County Utilities Authority***

## ***Hurricane Sandy Update***

***January 4, 2013***

### **Meetings**

FEMA representatives toured the Central Treatment Plant 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:  
97million 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, generator automatic control issues remain to be resolved. Generator load tests scheduled to be performed with manual transfer switching next week.

Bypass pumping system capable of handling 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:

18 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 capable of conveying approximately 80 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.

Controls to permit manual back-flushing of Main Pumps 2E and 3E by MUA Operators remain operable; the back-flushing of pumps was performed today.

Continued work for the installation of the Bar Screens; screen manufacturer developed a list of punch list work that was completed today to permit start up next week.

### **Sayreville Relief Pump Station**

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

Continued coordination of surge control panel planning and fabrication; performed restoration work on surge accumulator systems

Completed phasing tests for the for the activation of the second electric utility feeder; phasing tests remain to be completed for the generator

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; continued testing of relays for operation of emergency generator

Initiated the removal and replacement of the two sump pumps in the lower level of the dry well

### **Temporary Bypass Pumping System**

Operational

System operation has been on an intermittent basis due to Main Pumps 2E and 3E conveying most of the dry weather flow to the Central Treatment Plant

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:  
77 million gallons a day

### **Temporary Wet Weather Overflow Facilities**

WW-1 Facility at SPS site completed with floatables control system

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 fully 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.

Saturday- January 5	7:00am- 2:00pm
Sunday- January 6	Closed
Wednesday- January 7 through Friday- January 11	7:00am-4:30 pm

Contact Information: Tony Cicatiello, 908.568.3280