

Middlesex County Utilities Authority

Hurricane Sandy Update November 7, 2012 12 Noon

UPDATE: The USEPA sent a team of underwater divers to assist with the installation of a flow gate to control flow entering the Sayreville Pump Station. The team initiated its work at the Sayreville Pump Station and at this time is continuing the installation. The team did not work today but will be back at the site on Friday.

The Edison Pump Station electrical utility power was restored and bypass pumps were put in place and were turned on as of 1 pm today. This bypass system will handle 20 million gallons per day (mgd), which is the average daily wastewater flow that enters the station and is conveyed to the central treatment plant.

The Middlesex County Landfill will extend its operating hours over the next work week, and will open over the weekend and on Veterans Day. The schedule is set below. There has been an increase in Landfill activity. Normal operation will see 200 trucks a day, but that has gone up to 300 per day during this fallout from Sandy. Yesterday, utility electric power was restored at the landfill.

The Sayreville Pump Station has one bypass pumping system running and is conveying approximately 20-24 mgd to the central treatment plant. The pumps for the second and third bypass pumping system and its piping were delivered and are being put place for connection to the force main. This second bypass pumping system is scheduled to be operational by Friday of this week and will handle approximately 15 mgd, which will bring the total bypass pumping capacity to approximately 40 mgd, 52% of the average daily wastewater flow entering the pumping station.

Central Wastewater Treatment Plant

The Central plant is fully operational and is handling all wastewater coming to the central facility in Sayreville. Currently, the Central Treatment Plant is being powered by the Landfill Gas to Energy Facility that was reactivated this morning.

South Amboy Pump Station

Fully operational; pumping waste to the central facility

Edison Pump Station

Inoperable, flooded with ocean water and silt

Bypass pumping system is installed and became operational today, Nov 7

Pumps will handle 20-24 million gallons per day

This bypass system will handle the average amount of wastewater that enters the station

Two of the three pumps installed are currently operating

It will take several weeks to dry out and repair the electrical and mechanical equipment in the station before it can be placed back into a usable condition with a least one pump.

Yesterday, the two on-site electrical generators were being inspected by the manufacture for reactivation. Auxiliary electrical components prevented the generators from being restarted at this time. These generators were not flooded during storm event.

Due to the flooding of the station, the service life of all equipment in the station has been compromised.

Sayreville Pump Station

Inoperable, flooded with ocean water and silt

First bypass pumps became operational on Sunday, Nov. 4, at 1:30 am and continue to operate conveying between 20-24 mgd of wastewater to the central treatment plant.

A second bypass pumping system should be operational by the end of the week.

A third bypass pumping system should be operational by the end of next week or sooner.

In total, these bypass pumping systems will be able to handle 52-59 million gallons per day. Planning for an additional 20 mgd has been initiated.

When all three systems are up and running, they will convey the majority of wastewater that enters the station to the central treatment plant.

It will take several weeks to dry out and repair the electrical and mechanical equipment in the station before it can be placed back into usable condition with at least one pump.

Six of the ten pump motors have been removed and four have been shipped off site for reconditioning.

Due to the flooding of the station, the service life of all equipment in the station has been compromised.

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.

USEPA and NJDEP

Both agencies have visited the site and are fully briefed daily on the bypass operation of the MCUA. Both agencies are constantly monitoring the situation and have been providing whatever resources the MCUA needs.

Service interruptions have been minimal for the residents that are customers of the MCUA and a majority of residents will see no impact with their wastewater service.

Middlesex County Landfill Extending Hours

Middlesex County Landfill is fully operational and open to accept solid waste for disposal. Electric utility power was restored to the landfill on Nov. 6. The Landfill will continue to extend operating hours during the week. Below is the schedule for the Landfill in East Brunswick.

Monday – November 5 through Friday- November 9	7am – 4:30 pm
Saturday – November 10	7am – 4:30 pm
Sunday -- November 11	9am – 3:00 pm
Veteran’s Day – November 12	7am – 4:30 pm

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