



The Sewerage & Water Board

OF NEW ORLEANS

625 ST. JOSEPH STREET
504.529.2837 OR 52.WATER
www.swbno.org

July 14, 2025

Dear Mayor Cantrell, Honorable Members of the New Orleans City Council, and Orleans Parish Delegation:

This report is delivered in accordance with Revised Statute 33:4091, Section F, which states: *“In addition to the other requirements of this Section, the board shall send a report, by electronic mail, to the members of the Orleans Parish legislative delegation and the members of the governing authority of Orleans Parish detailing the pumping and electrical power of its facilities and the available manpower no later than twenty-four hours prior to a hurricane entering the Gulf of Mexico as determined by the National Weather Service and no later than forty eight hours after a flood watch or warning or thunderstorm watch or warning is issued by the National Weather Service for any area of Orleans Parish.”*

Flash flood warnings were issued for the New Orleans area for the afternoons of July 7 and 8, 2025 due to a summer weather pattern of afternoon storms. The status of SWBNO’s pumping and power equipment before and during the events is detailed below.

STORM IMPACTS

July 7, 2025

The majority of rain fell between 1pm and 4pm on the 7th, with minor rainfall continuing until 6pm. The highest recorded accumulation was 1.9 inches at the Algiers Water Plant/West Bank Power (WBP) location. The average accumulation across the network was 0.6 inches. The highest rainfall intensity was 4 inches/hour, observed at WBP, with an average of 1.8 inches/hour. Intensities exceeding 3 inches/hour were recorded on the Westbank and Lower 9th Ward as well. No rainfall was recorded at DPS-15 in New Orleans East, nor at Carrollton Water Plant.

Notes that data from DPS-19, DPS-20, and Station A were excluded from this report due to erroneous data observed at those location.

No impacts from this rain event were reported by the Real Time Crime Center (RTCC).

July 8, 2025

The majority of rainfall was experienced between 11am and 2pm. The highest recorded accumulation was 2 inches at Algiers Water Plant / Westbank Power (WBP) location. The average accumulation across the network was 0.4 inches. The highest rainfall intensity was 3.7 inches/hour, observed at WBP, with an average of 1.4 inches/hour recorded across the area. No rainfall was recorded at DPS-01 in Broadmoor, DPS-15 in New Orleans East, nor at Carrollton Water Plant.

Data at Station A was excluded from this report due to data integrity concerns.

No impacts from this rain event were reported by the RTCC.

PUMPING AND POWER

Below is the status of SWBNO's pumping and power equipment at the outset of the event.

Drainage Pumps:

A total of 86 of 93 drainage pumps were reported in service at the outset of the event.

DPS 4: E pump is out of service as of June 2025. A contractor has been engaged to repair the pump, with RTS anticipated by the end of August/early September.

4 additional pumps are available at this station

DPS 13: No. 4 pump (diesel pump) is for emergency use only. Additional drainage funding is needed to move forward with repairs.

5 additional pumps are available at this station

DPS 14: No. 3 pump out of service due to mechanical issues. Contractor work is underway, with RTS anticipated in Q3 2025.

3 additional pumps are available at this station

Note that drainage from this area can also be addressed by DPS 10, DPS 16, and Dwyer DPS via the Morrison Canal.

DPS 15: No. 1 pump gearbox repairs are in progress. RTS Q3 2025.

2 additional pumps are available at this station

- DPS 16:** Pump No. 4 out of service as of June 2025. Repairs to this pump are in progress, with repairs anticipated by end of July 2025.
3 additional pumps are available at this station
- DPS 18:** Pump No. 1 out of service as of May 2024. A contractor has been engaged to make the repair, with RTS anticipated by end of Q3 2025.
1 additional pump is available at this station.
- DPS 19:** Pump No. H1 out of service as of June 2025. Repairs by SWBNO crews are underway, with RTS anticipated in early August 2025.
1 additional pump is available at this station.

No major pump-related issues were encountered during these events.

For reference, maps showing the tributaries (i.e. drainage areas) for each pumping station are included on the Pumping and Power Dashboard (<https://www.swbno.org/Projects/PumpingandPower>), which are included as reference maps at the end of this report.

Underpass Stations:

At UPS Old Carrollton, which services the Carrollton Ave/Interstate I-10 underpass, two of three pumps at that location are out of service. A temporary pump is installed at this location.

No issues with the underpass stations were reported during these events.

Power:

A combination of Frequency Changers and Turbine 5 were used for this event, with no major pumping or power issues encountered during the event. Turbine 6 was not available.

Unit*	Frequency	Capacity in MW	Available
T4	25 Hz	20 MW (18.5 MW revised capacity)	18.5
T5	25 Hz	20 MW	16

Unit*	Frequency	Capacity in MW	Available
		(16 MW revised capacity)	
Carrollton Frequency Changers 1&2	Converts 60 to 25Hz	8.5 MW	8.5
Station D Frequency Changers 3&4	Converts 60 to 25Hz	12 MW	12
West Bank Power Complex (Algiers Water Treatment Plant)	Converts 60 to 25Hz	2.5 MW	0 (out of service)
Five EMDs	25Hz	12.5 MW (total) 2.5 MW (each)	12.5
Plant Frequency Changer via T6	Converts 60 to 25Hz	3.75 MW	0 MW (RTS to be determined)
		Total 25 Hz:	67.5 MW
T6	60 Hz	22 MW	T6 is available for emergency use only; repairs expected by June 17, 2025

*T3 has been decommissioned as of May 2021, and T1 has been decommissioned as of June 2022. Both units have been removed from this table.

STAFFING

Of New Orleans' 24 drainage pumping stations, some are staffed, some run remotely, and some are staffed as circumstances dictate. For this event, all stations were staffed appropriately.

DRAINAGE AREA REFERENCE MAPS

For a complete map, visit <https://www.swbno.org/Projects/PumpingandPower>



