



Memorandum

DATE: October 5, 2017
TO: Public Utilities Board Members
FROM: P.S. Arora
SUBJECT: Denton Wastewater Team MSW Article

The Denton Wastewater Collections department team responded to the call to assist the State of Texas' Public Works Response Team (PWRT) in efforts to help restore water and wastewater utilities to towns that were effected by Hurricane Harvey. This team was deployed a total of six days and assisted efforts in three different towns; Refugio, Lake Jackson, and Brazoria along the coast and south of Houston.

In Refugio the team repaired four of eight major water distribution line leaks. The crew teamed up with the City of Carrollton team who repaired another four leaks. These efforts helped restore pressure in the water distribution system enabling residents to regain their drinking water.

In Lake Jackson the Denton wastewater team cleared 600 feet of open drainage channel to relieve flood waters effecting a subdivision and gas station; repaired a 12 inch wastewater line that had collapsed due excessive inflow and infiltration in the wastewater system; cleared multiple sewer line blockages and cleaned wastewater lines restoring capacity to help accommodate the excessive flow in the sewer lines. Also, in Lake Jackson they manned large storm water pumps to provide relief from the flood waters from the Brazos River; and repaired and cleaned two wastewater lift stations restoring their working efficiency. Repair of the lift stations alleviated wastewater backups that two subdivisions were experiencing.

In Brazoria, Texas the crew helped assess the damage to the town's wastewater treatment plant from being completely flooded by both the Brazos River and the San Bernard River. The crew mobilized pumps to remove water from the pump house and operations room. They then with the help of operators from the Trinity River Authority assessed the damage and effectively restored the pumps and electrical connections in the operating room.

The Municipal Wastewater and Water magazine published an article on the efforts of the San Antonio and Denton teams in helping out the above cities. The web link below has the article from the magazine;

http://www.mswmag.com/online_exclusives/2017/09/utility_crews_come_to_one_anothers_aid_in_the_wake_of_a_disaster