

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

Brazoria County Municipal Utility District No. 43 (CN603407099) proposes to operate Brazoria County Municipal Utility District No. 43 Wastewater Treatment Plant (RN107500522), an activated sludge process plant operated in the complete mix mode. The facility will be located approximately 0.5 miles south of the intersection of Del Bello Boulevard and Manvel Parkway, in Brazoria County, Texas 77578.

This application is for a renewal to discharge an ultimate flow of 300,000 gallons per day of treated domestic wastewater to Cooper Ditch thence to Chocolate Bayou above tidal in Segment No. 1108 of the San Jacinto-Brazos Coastal Basin.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen (NH₃-N), and Escherichia coli. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, aeration basins, clarifier, sludge digesters, and a chlorine contact chambers.

