## Plain Language Summary for Texas Pollutant Discharge Elimination System (TPDES) Permit Application

**ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT**

City of Mount Pleasant (CN600130926 ) operates Southside Wastewater Treatment Plant (RN104867320). a domestic activated sludge facility operated in the extended aeration mode . The facility is located at 2561 County Road 4540, in Mount Pleasant, Titus County, Texas 75455.

This application is for a major amendment to increase the effluent discharge to 5 million gallons per day of domestic wastewater with the addition of a new second treatment train and relocation of the outfall to Big Cypress Creek.

Discharges from the facility are expected to contain BOD5, total suspended solids, ammonia nitrogen, nitrate nitrogen, total Kjeldahl nitrogen, sulfate, chloride, phosphorus, pH, dissolved oxygen, E.coli, aluminum, antinomy, barium, chloroform, Bromodichloromethane, chlorodibromomethane, copper, zinc, nickel, 2-ethylhexyl phenyl ether. .Domestic wastewater is treated byan activated sludge system operated in the extended aeration mode. The wastewater will flow through the influent bar screens followed by a grit removal system, to the aeration tanks, to the secondary clarifiers. Flow then enters the traveling bridge filters to the chlorine contact chamber. The water is then goes through Dechlorination and aeration prior to being discharged in the stream. Sludge is sent to the aerated sludge tanks, to the dewatering units to the belt press and ultimately disposed of at the landfill.