**Plain Language Summary**

The City of Port Neches (CN600613673) operates the City of Port Neches Main Wastewater Treatment Facility (RN101919454). The facility is an activated sludge wastewater treatment system. The facility will be located at 6499 Georgia Avenue, Groves, Texas 77615.

This application is for a renewal of the wastewater treatment facility with a daily average discharge of 4,980,000 gallons per day of treated domestic wastewater.

 Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD5), total suspended solids (TSS), ammonia nitrogen (NH3-N), and *Escherichaia coli.* Wastewater goes through the headworks to a pre-aeration basin, then to a primary and secondary trickling filter, then to a primary and secondary clarifier. After clarification the wastewater is chlorinated in the chlorine contact chamber and then dechlorinated prior to discharge. Solids are removed from the clarifiers and digested in the sludge digesters. Sludge is removed from the digester to the centrifuge and shipped to an offsite landfill. Additionally, during wet weather events, portions of influent are processed through a parallel peak flow treatment system consisting of two clarifiers and blended with secondary treated effluent prior to disinfections. .