

Attachment VII

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

DOMESTIC WASTEWATER

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.

Texas Department of Transportation (CN600803456) operates TxDOT Cass County Safety Rest Area Wastewater Treatment Facility RN102077609, a wastewater (sewage) treatment facility that mainly consists of four subsurface wetlands. The Wastewater Treatment Facility of TxDOT Cass County Safety Rest Area is located approximately 6 miles northeast of the city of Linden on the southbound side in Cass County, Texas 75563. This application is for a renewal of the Texas Pollutant Discharge Elimination System (TPDES) for the TxDOT Cass County Wastewater Treatment Facility (WWTF) with Permit No. WQ0012009001 (EPA I.D. No. TX0077399). This facility is allowed to discharge treated wastewater at a volume not to exceed a daily average flow of 7,500 gallons per day. The wastewater primarily consists of human solids and urine. Discharges from the facility are expected to contain five-day biochemical oxygen demand (BOD₅), total suspended solids (TSS), and *Escherichia coli*. Additional potential pollutants are included in Domestic Technical Report 1.0, Section 7 and are treated by an activated sludge extended aeration system. The influents enter the WWTF through a pipe to a bar screen, then to two aeration chambers and a chlorinator with a chlorine contact chamber. Then, the treated effluent leaves the facility through a 4-inch pipe and is discharged into Frazier Creek. The settled sludge is recycled into the aeration chambers or wasted in the sludge holding tank.