Section 15. Plain Language Summary (Instructions Page 40)

If you are subject to the alternative language notice requirements in 30 Texas Administrative Code §39.426, **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package**. For your convenience, a Spanish template has been provided below.

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.
Paloma Wastewater Services LLC (CN606106979) proposes to operate Catarina WWTP RN108698705. a Domestic wastewater treatment plant . The facility will be located at 817 Diamond H Ranch Rd, in Catarina, TX, Dimmit County, Texas 78836.

A new application to discharge 75,000 gallons per day of treated domestic wastewater. The site will include one outfall.

Discharges from the facility are expected to contain Total Suspended Solids, BOD, Ammonia, Phosphorous, pH, Dissolved Oxygen, Chlorine, E. Coli, Oil and Grease, and Total Dissolved Solids. Domestic Wastewater will be treated by an activated sludge package plant that operates in the single-stage nitrification mode. The package plant process units include preliminary screening, (1) aeration basins, (1) secondary clarifier, (1) chlorine contact basin, and (1) digester. The aeration basin will be sized to provide the treatment volume required to treat the Phase I organic load of 187 lb/day BOD5. The clarifier and chlorine contact basin will each be designed to handle a hydraulic peak flow rate of 156 gpm. A manual bar screen will be provided during this phase for preliminary screening his facility will be equipped with one (1) influent flow equalization basin that will be hydraulically connected, collectively providing approximately 49,800 gallons of equalization volume. A facility of this type is not subject to the diurnal variations characteristic of traditional, municipal wastewater plants. Considering the nature of wastewater conveyance to the plant, the presence of this amount of equalization volume shall allow for a continuous, equalized wastewater flow to the activated sludge and other downstream processes. This allows for the use of a design peaking factor that is less than that dictated by the regulations. For this project, a design peak factor of 1.5 will be employed in the design of the clarifier, chlorine contact basin, and interconnecting piping. This is also in alignment with the design approach of the other, similar facilities.