## Plain Language Summary Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

**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*.

City of Temple and City of Belton (CN600245799 and CN600246367 ) operates Temple-Belton Regional Wastewater Treatment Plant (RN102097193), an activated sludge process plant operated in the complete mix mode. The facility is located 2405 East 6th Avenue, in Belton, Bell County, Texas 76513.

This application is for a Major permit amendment at an average flow of 16,000,000 gallons per day of treated domestic via Outfall 001.

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.* Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated byExisting process is Conventional Activated Sludge. Wastewater gravity flows into Belton, Temple Shallowford and Friers Creek Lift Stations where it is pumped to TBWWTP. Phase I (completed in 2020) replaced the existing fine screens and aerated grit removal with a “new” Headworks Structure consisting of rotary drum fine screens and vortex grit removal (3 Units of Each) for primary treatment. Secondary treatment is the Orbal Biological Reactor, Clarifier 3 and 4 and the Chlorine Contact Chambers. Effluent is then discharged via pipeline into Nolan Creek Segment No. 1218. Phase II is requested in this amendment and includes the addition of 6 MGD Treatment Capacity consisting of a single Integrated Fixed Film Activated Sludge Reactor, Clarifier 5, new Chlorine and dechlor storage, feed facilities and ancillary facilities (including 4th fine screen). Phase II connects to the existing outfall line.