

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.

City of Pearland (CN600595052) operates Barry Rose Water Reclamation Facility (RN101613446), an activated sludge process plant operated in extended aeration mode in the Interim phase and complete mix single-stage nitrification mode in the Final phase. The facility is located at 1902 Barry Rose Road, in Pearland, Brazoria County, Texas 77581.

This application is for a major amendment with renewal to discharge treated domestic wastewater via Outfall 001 at an annual average flow of 6,500,000 gallons per day in the Final phase.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen (NH₃-N), and *E. coli*. Additional potential parameters 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 by an activated sludge process operated in the extended aeration mode in the Interim I phase and by an activated sludge process with sequencing batch reactors (SBRs) in the future phases. Treatment units in the Interim I/Existing phase include a bar screen, an aeration basin/oxidation ditch, two final clarifiers, two disc filters, two chlorine contact basins, two sludge thickeners/digesters, and a sludge centrifuge. Treatment units in the Interim II and Interim III phases will include two fine screens, six sequencing batch reactors, three cloth filters, an ultraviolet (UV) disinfection system, three aerated sludge holding tanks, and two belt filter presses. Treatment units in the Final phase will include two fine screens, a peak flow storage tank, ten sequencing batch reactors, three cloth filters, a UV disinfection system, four aerated sludge holding tanks, and two belt filter presses.