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

**ENGLISH SUMMARY**

**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 Houston (CN600128995) operates Harris County WCID No. 76 Wastewater Treatment Facility (RN101610756), an activated sludge – extended aeration treatment facility. The facility is located at 13535 River Trail Drive, in Houston, Harris County, Texas 77050.

This application is for a permit renewal to discharge an annual average flow of 700,000 gallons per day of treated domestic wastewater 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), total Kjeldahl nitrogen (TKN), and Escherichia coli. Additional potential pollutants are included in Domestic Technical Report 1.0, Section 7 - Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater is treated by activated sludge – extended aeration. Treatment units include aeration basins for biological treatment, secondary clarifiers for solids settling, and a chlorine contact basin for disinfection. Solids from the plant will be processed in a thickener and aerobic digester before being hauled offsite for further treatment and disposal.