## Plain Language Summary for Texas Pollutant Discharge Elimination System (TPDES) Renewal Application

**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 the Northbelt Wastewater Treatment Facility (RN101613792), an activated sludge ‐ complete mix and combined biological nitrification treatment facility. The facility is located at 14506 Smith Road, in Humble, Harris County, Texas, 77396.

This application is for a permit renewal to discharge an annual average flow of 5,000,000 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 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 activated sludge – complete mix, and combined biological nitrification. Treatment units include aeration basins for biological treatment, secondary clarifiers for solids settling, and a chlorine contact basin for disinfection. Solids from the plant are hauled offsite for further treatment and disposal.