## 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 Intercontinental Airport Wastewater Treatment Facility (RN101064343), a combined activated sludge ‐ complete mix and biological nitrification treatment facility. The facility is located at 2450 Rankin Road, Houston, in Harris County, Texas 77032.

This application is for a major amendment renewal to discharge at a proposed annual average flow of 14,000,000 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 bycombined activated sludge ‐ complete mix and biological nitrification. Treatment units include six aeration basins, one reaeration basin, one aerated sludge holding tank, two secondary clarifiers, one sludge digester, and one chlorine contact basin. Treatment units in the proposed Final phase will include an aerated grit removal system, twelve aeration basins, one reaeration basin, one aerated sludge holding tank, six secondary clarifiers, one sludge digester, and one UV disinfection system.