**Harris County MUD No. 148: Domestic Wastewater TPDES Renewal application**

*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*.

Harris County Municipal Utility District No. 148 (CN600737258) operates the Harris County Municipal Utility District No. 148 wastewater treatment plant (RN105497572), an activated sludge process plant operated in the complete mix mode. The facility is located at approximately 1,400 feet south of the intersection of Greensbrook Forest Drive and Greenspark Lane, Houston, Harris County, Texas 77044.

This application is for a renewal to discharge at an annual average flow of 950,000 gallons per day of treated domestic wastewater via the discharge route from the plant site to Harris County Flood Control District Ditch; thence to Greens Bayou Above Tidal.

Discharges from the facility are expected to contain five-day Carbonaceous Biochemical Oxygen Demand (CBOD5), Total Suspended Solids (TSS), Ammonia Nitrogen (NH3-N), Nitrate Nitrogen (NO3-N), Total Kjeldahl Nitrogen (TKN), Sulfate (SO4), Chloride (Cl-), total Phosphorus (P4), pH, Dissolved Oxygen (O2), Chlorine Residual (Cl2), *Escherichia coli*, Total Dissolved Solids (TDS), Electrical Conductivity, and Alkalinity (CaCO3). Domestic wastewater is treated by an activated sludge process plant and the treatment units include a mechanical screen, aeration basins, clarifiers, aerobic digesters, and chlorine contact chambers.