**Inverness Forest Improvement District: 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*.

Inverness Forest Improvement District (CN: 601245004) operates the Inverness Forest Improvement District wastewater treatment plant (RN: 103786737), an activated sludge process plant operated in the complete mix mode. The facility is located at 22602 E Hardy Road, Spring, Harris County, Texas 77073.

This application is for a renewal to discharge at an annual average flow of 500,000 gallons per day of treated domestic wastewater via the discharge route from the plant site to the discharge point approximately 250 feet to Cypress Creek, in segment No. 1009 of the San Jacinto River Basin.

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 a chlorine contact chamber.