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

*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*.

Rayford Road Municipal Utility District (CN601364300) operates Rayford Road MUD Wastewater Treatment Plant RN102976362, an extended aeration activated sludge treatment facility. The facility is located 30110 Thorsby Drive, in Spring, Montgomery County, Texas 77386.

This application is a renewal to discharge 950,000 gallons per day of treated domestic wastewater from the plant site into Montgomery County Drainage Ditch No. 6 (Sam Bell Gully) thence to Spring Creek Segment in No. 1008 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), 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 after being pumped from the onsite lift station to the headworks which consists of a mechanical step screen. From the headworks, flow continues to two (2) rectangular aeration basins. Flow from the aeration basins passes into one of the two (2) 64-foot diameter circular clarifiers. The clarifier underflow is returned to the headworks or wasted to the 20’ diameter gravity thickener and three (3) aerobic digester basins. Clarified effluent is passed into two (2) chlorine contact basin and then discharges into Montgomery County Drainage Ditch No. 6 (Sam Bell Gully) thence to Spring Creek Segment in No. 1008 of the San Jacinto River Basin.