Plain Language Summary - **TPDES New Application**

HK Real Estate Development, LLC (CN605645944) proposes to operate the Richter Ranch wastewater treatment plant (RN111485595), a membrane bioreactor treatment plant. The facility will be located approximately 2,800 feet southeast of the intersection of County Road 320 and State Highway 181 North, in Wilson County, Texas 78114.

This application is for a new application to discharge at a daily average flow of 180,000 gallons per day of treated domestic wastewater.

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 in the permit application package. Domestic wastewater will be treated in a membrane bioreactor (MBR) wastewater treatment system and the treatment units will include a mechanical auger screen, equalization basin, aeration tanks, membrane bioreactor trains and a chlorine contact chamber.