**ENGLISH PLS - FOR TPDES RENEWAL APPLICATION**

**Southwest Harris County MUD No. 1 – WQ0012641-001**

**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*.

Southwest Harris County Municipal Utility District No. 1 (CN600664619 ) operates SW HC M.U.D. No. 1 Wastewater Treatment Plant (RN102915857), an activated sludge process plant operated in the single stage nitrification mode. The facility is located at 15103 East Hampton Circle, in Missouri City, Harris County, Texas 77071.

This application is for a renewal to discharge at a daily average flow of 400,000 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), and Escherichia coli. Additional potential pollutants are included in the Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated bya single stage nitrification activated sludge process plant. The treatment units include a bar screen, aeration basins, final clarifier, aerobic sludge digester, and chlorine contact chamber.