**ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS**

**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*.

Sheldon Road Municipal Utility District (Sheldon Road MUD) (CN600633515) operates the Rolling Hills Wastewater Treatment Plant (RH WWTP) (RN101701209) a conventional wastewater treatment plant. The facility is located 11143 Gardentree Drive, in Houston, Harris County, Texas 77044.

Sheldon Road MUD is applying for an expansion to their existing RH WWTP. The current RH WWTP is a packaged treatment plant with a capacity of 0.22 million gallons per day. This application is requesting for an expansion to 0.35 million gallons per day and it’s anticipated construction start date is approximately June 2023.

Discharges from the facility are expected to contain CBOD5, suspended and dissolved solids, ammonia nitrogen, nitrate nitrogen, total Kjeldahl nitrogen, sulfate, chloride, phosphorus, E.coli, Enterococci, oil and grease. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Influent contains residential and industrial wastewater; but primarily residential, anticipated to be similar to existing conditions. The wastewater will be treated by conventional wastewater treatment process. A brief description of the treatment process is provided here. Flow from an on-site lift station will be pumped into the plant, being operated in the contact stabilization activated sludge mode, through a coarse bar screen into the contact aeration basin; then to the clarifier, then to the chlorine contact chamber for disinfection and discharge effluent will gravity flow through a pipe into the same HCFCD ditch as the current effluent discharge. Sludge from the bottom of the clarifier is either returned to the re-aeration basin or wasted to the digester. The wasted sludge will be dewatered using a belt filter press and then conveyed by trucks to a nearby offsite landfill.D