

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

ENGLISH SUMMARY:

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.

City of Marble Falls (CN600622906) proposes to operate One Water Marble Falls , an Aerobic Granular sludge - biological nutrient removing process plant operating in a sequenced batching process. The facility will be located approximately 1 mile northwest of the intersection of U.S. Highway 281 and Farm-to-Market Road 1431 and 0.5 miles west of U.S. Highway 281 in the City of Marble Falls, in Burnet County, Texas 78654.

This application is for a new permit to land apply treated wastewater via surface irrigation of 360 acres of non-public access agricultural land at a proposed annual average flow of 4,000,000 gallons per day of treated domestic wastewater. This application also requests sludge composting and marketing. This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain five-day biochemical oxygen demand (BOD₅) and total suspended solids (TSS). Domestic wastewater will be treated by an Aerobic Granular sludge - biological nutrient removing process. Treatment units for the interim phase include fine screens, grit removal, Aerobic Granular sludge basins, pre-equalization basin, effluent filters, chlorine contact basin, sludge buffer basin, and a sludge storage tank. Treatment units for the final phase will convert the pre-equalization basin to an Aerobic Granular sludge basin. The facility includes two storage ponds with a total surface area of 16 acres and a total capacity of 220 acre-feet for storage of treated effluent prior to irrigation.

