

Section 15. Plain Language Summary (Instructions Page 40)

This information is required for new, major amendment, and renewal applications. It is not required for minor amendment or minor modification applications.

If you are subject to the alternative language notice requirements in 30 Texas Administrative Code §39.426, **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package.** For your convenience, a Spanish template has been provided below.

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.

City of Deer Park (CN600691604) operates Deer Park Wastewater Treatment Plant RN101719839. a complete mixed activated sludge. The facility is located at 526 East 2nd Street, in the City of Deer Park, Harris County, Texas 77536.

This application is for a permit renewal to discharge up to 6 million 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), total Kjeldahl nitrogen (TKN), and Escherichia coli (E. coli). Domestic wastewater is treated by a complete mixed activated sludge process. Preliminary treatment includes two bar screens and a grit chamber to remove large and course material. Flow is then mixed with sludge and flocculants from the clarifiers in the rapid mix basin and aerated in the three aeration basins to promote biodegradation. From aeration, the water goes to the three secondary clarifiers. The clarifier effluent enters two UV channels for disinfection, then discharges into Patrick Bayou. Sludge is sent to three aerated holding tanks. Sludge leaving the third tank will be thickened and dewatered before ultimately getting disposed of in a landfill.

