## Plain Language Summary (English)

## Texas Pollutant Discharge Elimination System (TPDES) Permit Application WQ0016210001

Atlantis WKA Bastrop, LLC (CN606055911 ) proposes to operate Silverleaf Subdivision Wastewater Treatment Plant RN 111564845. a domestic wastewater treatment facility. The facility will be located approximately 826 feet southwest of the intersection of the south side of State Highway 71 and Old Orchard Road, in Bastrop, Bastrop County, Texas 78612.

This application is a new application to discharge up to 300,000 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. All phases of the domestic wastewater treatment plant will consist of a membrane bioreactor (MBR) with a design SRT of 15-days, Modified Ludzck Ettinger (MLE) anoxic denitrification reactor, aerobic reactor, membrane tank, and disinfection chlorine contact chamber.