ATTACHMENT R
CITY OF AUBREY
AUBREY WASTEWATER TREATMENT FACILITY
MAJOR AMENDMENT
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT APPLICATION
PLAIN LANGUAGE SUMMARY

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.

The City of Aubrey (CN600736912) operates the Aubrey Wastewater Treatment Facility (RN10233666) an activated sludge process plant. The treatment processes for Interim Phases I and II provide treatment in two process treatment units, an oxidation ditch, and a sequencing batch reactor. Interim Phases III and the Final Phase process will be activated sludge with secondary clarification. The facility is located at 514 Bluebonnet Street, Aubrey, TX, 76227.

This application is for a major amendment to increase the discharge flow to an annual average flow not to exceed 4.5 million gallons per day via Outfall 001.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand ($CBOD_5$), total suspended solids (TSS), ammonia nitrogen (NH_3-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. The discharge permit will establish limits for the expected pollutants that are protective of the environment and human health.

In Interim Phases I and II domestic wastewater will be treated by one of two process treatment units. Wastewater flow is split between an oxidation ditch treatment process and a continuous-flow sequencing batch reactor treatment process. The oxidation ditch process consists of a bar screen, an oxidation ditch, final clarifiers, and chlorine disinfection. The continuous-flow sequencing batch reactor process consists of a bar screen, two sequencing batch reactors, and chlorine disinfection. In Interim Phase III and the Final Phase, domestic wastewater will be treated by an activated sludge process plant and the treatment units will include a bar screen, grit removal, aeration basins, final clarifiers, cloth-media filters, a sludge screw press, and ultraviolet disinfection