

LAMAR POWER PLANT
WQ0004127000
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.

La Frontera Holdings LLC (CN605153998) operates the Lamar Power Plant (RN100218882), a combined-cycle, natural gas-fired power plant. The facility is located at 3205 FM 137, in Paris, Lamar County, Texas 75460.

This application is for the renewal of Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0004127000 (EPA I.D. No. TX0119288) which authorizes the discharge of wastewaters (cooling tower blowdown and make-up water) and previously monitored effluent (low volume waste, reverse osmosis reject water) at a daily average flow not to exceed 1,200,000 gallons per day via Outfall 001 and the discharge of stormwater and low volume waste on an intermittent and flow variable basis via Outfall 002.

The discharge of cooling tower blowdown via Outfall 001 and low volume waste via Outfall 101, 201 and 002 from this facility is subject to federal effluent limitation guidelines at 40 CFR Part 423. The pollutants expected from these discharges based on 40 CFR Part 423 are: total residual chlorine, total suspended solids, total dissolved solids, biochemical oxygen demand, chemical oxygen demand, oil and grease, and pH. Temperature is also expected from discharges of 001. Additional potential pollutants are included in the Industrial Wastewater Application Technical Report, Worksheet 2.0.

The raw water supply for the facility's cooling water system is from Lake Pat Mayse Reservoir, supplied by the City of Paris. Potable water from the City of Paris is used at the facility to generate demineralized process water, and to supply water for gas turbine evaporative coolers, service water at the facility, domestic water uses, and fire water. A chemical feed system supplies water conditioning chemicals to the cooling tower water to minimize corrosion and control the formation of mineral scale and bio-fouling. Storm water is collected through various storm drains and is either intercepted and routed to the cooling tower or is discharged to the storm water retention pond. Sanitary wastewater is discharged off-site for treatment at the City of Paris wastewater treatment facility, which holds TPDES permit no. WQ0010479002