

Plain Language Summary for New Source Review (NSR) Renewal Certification
Application for Air New Source Review Permit Number 9668

The following summary is provided for this pending air 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.

Luminant Generation Company LLC (CN603256413) has submitted an application for renewal of permit number 9668. The Morgan Creek Steam Electric Station (RN102285848) produces electric power for the grid and is located at 3177 State Highway 163, Colorado City, Mitchell County.

This renewal will authorize the continued operation of six simple cycle combustion turbines and miscellaneous maintenance, startup, and shutdown activities. Luminant Generation Company LLC has certified there will be no changes to the permit. The following permitted emission rates will remain the same.

Pollutant	Permitted Emissions (tons per year)
Volatile organic compounds	229.15
Particulate matter including particulate matter with diameters of 10 microns or less and 2.5 microns or less	1,386.05
Nitrogen oxides	10,093.32
Carbon monoxide	578.70
Sulfur dioxide	13,956.22

The combustion turbines being renewed are controlled by utilizing good combustion practices and limiting annual electrical generation. Emissions of nitrogen oxides from the combustion turbines are controlled by injecting water, along with fuel and air, into the combustion chamber to cool combustion flame temperature and reduce the formation of nitrogen oxides. Emissions of sulfur dioxide from the combustion turbines are limited by firing low-sulfur fuels, including pipeline-quality sweet natural gas and ultra-low sulfur No. 2 fuel oil. Emissions from maintenance, startup, and shutdown activities being renewed are controlled by limiting operating time.