

Plain Language Summary for New Source Review (NSR) Initial Application for Air New Source Review Permit Number 181815

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.

North Royal Energy Center LLC (CN 606438505) has submitted an application for initial permit number 181815. North Royal Energy Center LLC (RN 112300066) will produce electricity (482 megawatt total) on County Road 17300 in Deport, Lamar County.

This permit will authorize the construction of two simple-cycle combustion turbines firing natural gas with ultra-low sulfur diesel as a backup fuel and ancillary equipment. North Royal Energy Center LLC has listed in the application the pollutants and amounts that will be emitted from the facility. Below is the total amount for each pollutant that is proposed to be emitted each year for the facility.

Pollutants	Proposed Emissions (Tons Per Year)
Volatile organic compounds (VOC)	62.50
Particulate matter (PM)	25.19
PM less than 10 microns (PM ₁₀)	24.85
PM less than 2.5 microns (PM _{2.5})	24.78
Nitrogen oxides (NO _x)	413.47
Carbon monoxide (CO)	418.44
Sulfur dioxide (SO ₂)	13.08
Lead (Pb)	0.01
Sulfuric acid (H ₂ SO ₄)	1.01
Carbon dioxide (CO ₂) equivalent	1,043,646

The new facility will be controlled by the use of natural gas as a clean-burning fuel, high-efficiency turbine design, and low-NO_x emitting combustion technology.