

**Plain Language Summary for New Source Review (NSR)
Initial Application for Air New Source Review Permit Number (179865)
And Prevention of Significant Deterioration (PSD) Permit (PSDTX1666) Greenhouse Gas
(GHG) Prevention of Significant Deterioration (PSD) Permit (GHGPSDTX250)**

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.

Arkansas Electric Cooperative Corporation (CN606375517) has submitted an application for initial permit number (179865), PSD permit number (PSDTX1666), and GHG Permit number (GHGPSDTX250). The Naples Power Plant (RN112194527), is an electric power generating station that will operate in Morris County and is located just outside of Naples, TX at 33°13'21.63" N 94° 52' 6.22" W.

This permit will authorize the construction of two (2) natural gas-fired simple cycle combustion turbines (SCCT) with fuel oil (diesel) back up and supporting auxiliary equipment. The new SCCTs will produce electricity to provide power to customers. Naples Power Plant has listed in the application the pollutants and amounts that will be emitted for each facility. Below is the total amount for each pollutant that is proposed to be emitted each year for all the facilities.

Pollutant	Proposed Emissions (tons per year)
NO _x	474
CO	538
PM	63
PM ₁₀	63
PM _{2.5}	62
SO ₂	20
VOC	81
H ₂ SO ₄	5.4
HAPs	8.41
CO ₂ e	1,700,000

The new SCCTs will be equipped with dry low-NO_x burners and selective catalytic reduction (SCR) to reduce the NO_x emissions. Oxidation catalysts will be equipped to reduce the CO and VOC emissions from the SCCTs. CO₂ emissions will be reduced using low-carbon fuels and energy-efficient turbine design. Naples Power Plant will implement additional measures to reduce emissions including, for example, low-carbon fuel gases, good combustion practices, proper design, and best practice operating methods. More detailed emission control information is provided in the air permit application.