

Plain Language Summary for New Source Review (NSR) Initial Application for Air New Source Review Permit Number 181009

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.

Fermi Equipment Holdco, LLC (CN606413086) has submitted an air permit application for initial new source review (NSR) Permit number (181009), PSD Permit number (PSDTX1670), and GHG Permit number (GHGPSDTX254) to authorize construction of a new natural gas-fired combined cycle power plant. The Fermi America Project Matador (RN112258678) will be installed at a greenfield site in Carson County. The site is located approximately 15 miles northeast of Amarillo, Texas along US Highway 60, near the intersection of US Hwy 60 and FM2373. The Fermi America Project Matador will provide electricity to an onsite data center campus.

Fermi Equipment Holdco LLC 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)
Volatile Organic Compounds (VOC)	581.75
Carbon Monoxide (CO)	2,140.86
Nitrogen Oxides (NO _x)	1,591.48
Sulfur Dioxide (SO ₂)	282.28
Ammonia (NH ₃)	1,370.78
Total Particulate Matter (PM)	1,075.12
Particulate Matter sized less than 10 Microns (PM ₁₀)	1,025.80
Particulate Matter sized less than 2.5 Microns (PM _{2.5})	976.69
Sulfuric Acid (H ₂ SO ₄)	43.20
Greenhouse Gas (CO ₂ e)	23,584,211.38
Hazardous Air Pollutants (HAPs - Individual)	44.04
Hazardous Air Pollutants (HAPS - Aggregate)	107.48

The combustion turbines will be equipped with selective catalytic reduction (SCR) to reduce NO_x emissions and oxidation catalysts for CO and VOC emissions control. Greenhouse Gas (CO₂e) emissions will be reduced using low-carbon natural gas fuel and energy-efficient turbine design. Good combustion, operating, and maintenance practices will be implemented for the combustion turbines. More detailed emission control information is provided in the air permit application.