

Plain Language Summary for New Source Review (NSR) Initial Application for Air New Source Review Permit Number 182467

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.

VoltaGrid LLC (CN606076008) has submitted an application for initial permit number 182467. The ABI-1 Electric Generating Facility (RN112247101) will produce power utilizing internal combustion engines to be used by a nearby data center at 299 Farm to Market 604, Abilene, Shackelford County, Texas 79601.

This permit will authorize the use of catalytically controlled four-stroke lean burn engines to generate power that will be used onsite and for the nearby data center campus. Natural gas fired heaters will be utilized to heat fuel gas after dropping pressure from the nearby pipeline. Diesel black start generators will be utilized to start the first engine if a black out of a power block occurs. VoltaGrid 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)
Ozone Precursor (VOC)	523.08
Ozone Precursor (NO _x)	569.94
CO	917.63
PM ₁₀	378.29
PM _{2.5}	378.29
NO _x	569.61
SO ₂	196.79
H ₂ SO ₄	127.71
CO ₂ e	10,627,597.47

The equipment at the proposed facility will be controlled as follows:

- Jenbacher J620 four-stroke lean burn engines: Selective Catalytic Reduction (SCR) for NO_x control and oxidation catalyst for hydrocarbon based pollutant control.
- Jenbacher J624 four-stroke lean burn engines: SCR and oxidation catalyst.
- Algas Natural Gas Heaters will be equipped with ultra-low NO_x burner technology.
- Caterpillar C32B diesel black start generators will be controlled to EPA Tier II emission standards and limited on hours of operation per year.