

Plain Language Summary for New Source Review (NSR)

Initial Application for Air New Source Review Permit

Number 182267

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. Abilene Data Center Campus Master Association (CN606400323) has submitted an application for an initial permit number modifying the existing representation of permit 177263. The Longhorn Data Center (RN112029061) will generate electricity at 32.50792, -99.77722, Abilene, Taylor County. This permit will authorize an alternative operating scenario for the five (5) 34.1 Megawatt (MW) GE LM2500 natural gas simple-cycle turbines to be fueled by diesel for no more than 200 hours per rolling 12-month period each with the remaining annual hours to be fueled by pipeline quality natural gas. Abilene Data Center Campus Master Association 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 (ton/yr)
VOC	115.85
PM ₁₀	44.30
PM _{2.5}	44.30
NO _x	77.95
CO	82.60
SO ₂	26.85
HAPs	6.70
NH ₃	115.95

The modified equipment will be controlled by selective catalytic reduction and oxidation catalysts to reduce NO_x, CO, and VOCs.