

Electric Generating Unit Standard Permit Technical Review

Company	Fort Worth Power Core LLC	Registration Number	180887
City	Savoy	Project Number	395654
County	Fannin	Regulated Entity Number	RN112249347
Project Type	Standard Permit Application	Customer Reference Number	CN606278281
Project Reviewer	Thomas Greinert	Project Received Date	July 17, 2025
Site Name	Fannin County Power Plant		

Project Description
<p>Fort Worth Power Core, LLC (FWPC) has acquired property in Savoy, Fannin County, Texas, and plans to construct and operate an electric generating power plant to generate power for sale. The site will consist of two combined cycle power generating blocks, Power Blocks 1 and 2. Each block will contain three natural gas-fired combustion turbine generators (CTGs) and one heat recovery steam generator (HRSG), resulting in a total of six (6) CTGs and two (2) HRSGs. Facilities and emissions authorized with this permit registration include turbine combustion, turbine startup and shutdown, turbine and generator vent and hydraulic oil, and fugitive equipment emissions. Each CTG will be nominally rated at 62 megawatts (MW) of electrical power while 55.1 MW was used in the emission calculations as it is the vendor provided power output at representative atmospheric and load conditions. The three CTGs per block feed one steam turbine generator, which will produce up to roughly 223 MW of electric power per block (446 MW site-wide). The turbines will comply with NSPS KKKK.</p> <p>A conservative maximum ammonia slip of 10 ppmv at 15% O₂ was used as a worst-case basis for NH₃ emissions totals in this registration. This falls within the current TCEQ Tier 1 BACT range of 7-10 ppmv. Ammonia is not a regulated pollutant for PSD or Title V major source applicability purposes. All regulated pollutants are below the respective major PSD and Title V emissions thresholds.</p>

Compliance History Evaluation	
A compliance history report was reviewed on:	July 23, 2025
Site rating & classification:	N/A
Company rating & classification:	Unclassified
If site was rated unsatisfactory, what action(s) occurred as a result: (i.e. changes to permit, reduced renewal period, etc.)	N/A

General Rules Check	Comments
Does the project trigger PSD or NA review?	* No
Is the facility taking an operational limit to meet the Standard Permit? If yes, describe how this project is not circumventing major NSR permitting. (30 TAC §116.110)	* Yes. FWPC confirms annual emissions calculations are based on site-wide 43,800 total operating hours per year. FWPC acknowledges that operations should be limited based on enforceable emission limitations (site-wide ton/year emission rates) established in this registration (not operating hours per year).

Standard Permit Rules Check	Comments
Type of unit being authorized	*Turbine(s)
Fees	* ≥ 1 MW \$900
Combined Heat and Power (if taking credit)	N/A
Fuel	* Natural gas (<10 grains total sulfur per 100 dscf)
NO _x emission limitation (in lb/MWh)	* ≥10 MW per unit * >300 hrs/yr – 0.14 lb/MWhr
Maintenance, Startup, and Shutdown	Emissions from planned maintenance, startup, and shutdown will be authorized by this permit. Combustion emission factors used when developing the standard permit included enough conservatism to account for incidental increases that could occur during startup and shutdown.

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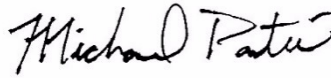
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8/04/2025

Project Reviewer
Thomas Greinert



8/05/2025

Section Manager
Michael Partee

Date