

Permit by Rule (PBR) Registration Technical Review

Company:	Abilene DC 1, LLC	Registration No.:	177262
Nearest City:	Abilene	Project No.:	391539
County:	Taylor	Project Type:	Revision
Project Reviewer:	Celine Rosales	Regulated Entity No.:	RN112029061
Unit Name:	Longhorn Data Center	Customer Reference No.:	CN606295137
PBR No(s).:	Revised: 106.472, 106.511	Project Received Date:	April 11, 2025
Physical Location:	from abilene, travel north on treadway blvd & travel for 2.2 miles. continue onto pine street & follow for 0.9 miles. turn left onto i-20 frontage road & travel for 1 mile. turn right onto old anson road & continue for 2.2 miles. turn left into facility.		

Project Overview / Process Description

Abilene DC 1, LLC (Abilene DC) owns and operates the Longhorn Data Center in Abilene, Taylor County, Texas. The purpose of the equipment at this site is to generate power for onsite use for data centers and computing. With this revision, Abilene DC is proposing the following changes:

- Reduce the annual operational time from 300 to 150 hours per rolling 12-month period for each three Tier II Caterpillar C175 3-megawatt (MW) diesel generators, each six Tier IV Caterpillar 3516 2 MW diesel generators, and each three Tier II Caterpillar 3516 2.5 MW diesel generators;
- Revised the manufacturer specification emissions rates for the six Tier IV Caterpillar 3516 2 MW diesel generators;
- Add sixteen Tier IV Caterpillar 3516 3 MW diesel generators with an annual operational time of 150 hours per rolling 12-month period per generator;
- Add 28 Tier IV Baudouin 2.8 MW diesel generators with an annual operational time of 150 hours per rolling 12-month period per generator;
- Increase the count of diesel belly tanks from 18 to 62;
- Add a 40,000-barrel floating roof diesel tank.

The EGU Standard Permit No. 177263 is also located at this site and is separate from this authorization.

Permit by Rule Requirements - 30 TAC Chapter 106

General Requirements

Registration Fee Reference No.:	Application fee: 762033 / 582EA000663548
Is this registration certified?	Yes
Is planned MSS included in the registration?	No
Are there affected NSR or Title V authorizations for the project?	No
Are there any upstream or downstream affects associated with this registration?	No
Are associated upstream/downstream emissions either included in the registration OR within current permitted limits with no changes to underlying air authorizations for the applicable units regarding BACT, health and environmental impacts, or other representations.	NA
Are emissions for each PBR authorized facility less than the § 106.4(a)(1) limits?	Yes
Are total emissions from all sitewide PBR authorized facilities less than the § 106.4(a)(4) limits, OR has the site been subject to public notice requirements? Site meets 106.4 emission limits	Yes
Are there permit limits on using PBRs at the site?	No
Is the facility in compliance with all other applicable rules and regulations?	Yes
Does the registration include an appropriate PBR workbook, and has the workbook been verified?	NA

Federal Applicability

Does this project trigger a PSD or Nonattainment review?	No
Does the Major NSR applicability analysis include all associated upstream and/or downstream emissions?	NA
Are there any applicable standards under NSPS, NESHAP, or NESHAP for source categories (MACT)?	Yes

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If Yes, list applicable subparts:

NSPS IIII; MACT ZZZZ

Permit by Rule Requirements - Compliance Demonstrations

PBR 106.472 Organic and Inorganic Liquid Loading and Unloading

Liquid loading or unloading equipment for railcars, tank trucks, or drums; storage containers, reservoirs, tanks; and change of service of material loaded, unloaded, or stored is permitted by rule, provided that no visible emissions result and the chemicals loaded, unloaded, or stored are limited to:

(1) the following list: asphalt, resins, soaps, lube oils, fuel oils, waxes, polymers, detergents, lube oil additives, kerosene, wax emulsions, vegetable oils, greases, animal fats, and **diesel fuels**;

PBR 106.511 Portable Emergency Engines and Turbines

Internal combustion engine and gas turbine driven compressors, electric generator sets, and water pumps, used only for portable, emergency, and/or standby services are permitted by rule, provided that the maximum annual operating hours shall not exceed 10% of the normal annual operating schedule of the primary equipment; and all electric motors. For purposes of this section, "standby" means to be used as a "substitute for" and not "in addition to" other equipment.


Compliance History and Site Review

In accordance with 30 TAC Chapter 60, a compliance history report was reviewed on:		April 18, 2025
Site rating / classification:	Unclassified	Company rating / classification: Unclassified
Has any action occurred on the basis of the compliance history or rating?		No
Did the Regional Office provide site approval and confirm distances?		NA

Emission Summary

EPN / Emission Source	VOC		NOx		CO		PM ₁₀		PM _{2.5}		SO ₂		HAPs	
	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy
New Emissions														
FLOATTNK / Floating Roof Diesel Tank	<0.01	0.02												
Revised Emissions														
EGENS / Combination of Engines*	79.93	6.38	593.00	42.67	307.10	21.66	21.51	1.58	21.51	1.58	2.36	0.19	2.13	0.17
DIESELTNKS / Diesel Tanks	0.03	0.11												
TOTAL EMISSIONS (TPY):	--	6.51	--	42.67	--	21.66	--	1.58	--	1.58	--	0.19	--	0.17
MAXIMUM OPERATING SCHEDULE: Hours/Year														8,760

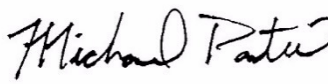
Note: Diesel generators are expected to run no more than 150 hours per rolling 12-month period.



 Celine Rosales
 Permit Reviewer
 Rule Registration Section

04/24/2025

 Date



 Michael Partee, Manager
 Rule Registrations Section
 Air Permits Division

04/24/2025

 Date