

## Permit by Rule (PBR) Registration Technical Review

<b>Company:</b>	Abilene DC 1, LLC	<b>Registration No.:</b>	177262
<b>Nearest City:</b>	Abilene	<b>Project No.:</b>	387310
<b>County:</b>	Taylor	<b>Project Type:</b>	Revision
<b>Project Reviewer:</b>	Celine Rosales	<b>Regulated Entity No.:</b>	RN112029061
<b>Unit Name:</b>	Longhorn Data Center	<b>Customer Reference No.:</b>	CN606295137
<b>PBR No(s).:</b>	Revised: 106.472, 106.511	<b>Project Received Date:</b>	January 11, 2025
<b>Physical Location:</b>	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:

- Remove the Tier IV Baudouin diesel generators;
- Increase the count of Tier II Caterpillar C175 3 megawatt (MW) diesel generators from five to six where three will run a maximum of 300 hours per rolling 12-month period and three will run a maximum of 100 hours per rolling 12-month period;
- Increase the count of Tier IV Caterpillar 3516 2 MW diesel generators from seven to nine where six will run a maximum of 300 hours per rolling 12-month period and three will run a maximum of 100 hours per rolling 12-month period;
- Add three Tier II Caterpillar 3516 2.5 MW diesel generators each with a maximum of 300 hours per rolling 12-month period;
- Reduce the count of diesel belly tanks from 224 to 18.

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.:	<b>Application fee: 740657 / 582EA000643469</b>
Is this registration certified?	<b>Yes</b>
Is planned MSS included in the registration?	<b>No</b>
Are there affected NSR or Title V authorizations for the project?	<b>No</b>
Are there any upstream or downstream affects associated with this registration?	<b>No</b>
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.	<b>NA</b>
Are emissions for each PBR authorized facility less than the § 106.4(a)(1) limits?	<b>Yes</b>
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?	<b>Yes, site meets PBR 106.4 limits</b>
Are there permit limits on using PBRs at the site?	<b>No</b>
Is the facility in compliance with all other applicable rules and regulations?	<b>Yes</b>
Does the registration include an appropriate PBR workbook, and has the workbook been verified?	<b>NA</b>

#### Federal Applicability

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

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Project No. 387310

**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 and 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**

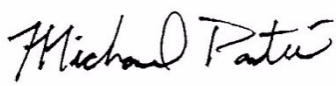
In accordance with 30 TAC Chapter 60, a compliance history report was reviewed on: **January 14, 2025**  
 Site rating / classification: **Unclassified** Company rating / classification: **Unclassified**  
 Has any action occurred on the basis of the compliance history or rating? **No**  
 Did the Regional Office provide site approval and confirm distances? **NA**

**Emission Summary**

EPN / Emission Source	VOC		NOx		CO		PM <sub>10</sub>		PM <sub>2.5</sub>		SO <sub>2</sub>		HAPs	
	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy
<b>Revised Emissions</b>														
EGENS / Combination of Engines	32.94	3.82	425.30	48.79	366.30	42.28	13.66	1.57	13.66	1.57	0.63	0.07		
DIESEL TANKS / Diesel Tanks	0.01	0.03											0.57	0.07
<b>TOTAL EMISSIONS (TPY):</b>	<b>--</b>	<b>3.85</b>	<b>--</b>	<b>48.79</b>	<b>--</b>	<b>42.28</b>	<b>--</b>	<b>1.57</b>	<b>--</b>	<b>1.57</b>	<b>--</b>	<b>0.07</b>	<b>--</b>	<b>0.07</b>
<b>MAXIMUM OPERATING SCHEDULE: Hours/Year</b>													<b>8,760</b>	

  
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 Celine Rosales  
 Permit Reviewer  
 Rule Registration Section

01/22/2025  
Date

  
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 Michael Partee, Manager  
 Rule Registrations Section  
 Air Permits Division

01/23/2025  
Date