

Permit by Rule (PBR) Registration Technical Review

Company:	Amazon Data Services, Inc.	Registration No.:	164139
Nearest City:	San Antonio	Project No.:	388569
County:	Bexar	Project Type:	Revision
Project Reviewer:	Dan Sims	Regulated Entity No.:	RN111194957
Unit Name:	ALE62	Customer Reference No.:	CN605858919
PBR No(s).:	106.472, 106.511	Project Received Date:	February 5, 2025
Physical Location:	the property entrance is located on State Highway 211 approximately 800 feet south of the intersection with Lambda Drive.		

Project Overview / Process Description

Amazon Data Services, Inc. (ADS) operates a data center (ALE62 San Antonio Facility) in Bexar County. Current data center operations include emergency generators used to power the facility when local power is interrupted, to prevent interruption in services to ADS customers. Each generator set has a diesel storage belly tank underneath. The following facilities are currently authorized under §§ 106.472 and 106.511:

- Fourteen (14) Caterpillar 3516C-HD 2.5 MW Emergency Generators with 5,000 Gallon Diesel Fuel Storage Belly Tanks
- One (1) Caterpillar C18 600kW Emergency Generator with 1,500 Gallon Diesel Fuel Storage Belly Tank

ADS is proposing to construct two 40,000 gallon storage tanks for additional on-site diesel fuel storage and modify annual operating hours for the existing generators.

Additional facilities at the site used for particle cutting/shredding are authorized separately under §§ 106.261 and 106.262 as an independent operation (Reg. No. 172552). ADS provided a sitewide § 106.4 compliance demonstration for the registration file.

Permit by Rule Requirements - 30 TAC Chapter 106

General Requirements

Registration Fee Reference No.:	Application fee: 746714 / 582EA000649017
Is this registration certified?	Yes
Is planned MSS included in the registration?	Yes*
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 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?	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
Note: *Annual operating hours for generators include in this registration also account for non-emergency operations (maintenance checks and readiness testing). All generator operations will comply with the authorized emission rates.	

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
If Yes, list applicable subparts:	NSPS IIII, MACT ZZZZ

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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) **diesel fuels**

Tank emissions are calculated based on TCEQ guidance [maximum fill rates per tank: 5,000 gal/hr (TK1-14); 1,500 gal/hr (TK15); 14,400 gal/hr (TK16-17)] and AP-42 Chapter 7 methodology.

PBR 106.511 Portable and Emergency Engines and Turbines

Each emergency engine will operate no more than 876 hours per year.

Engine emissions are calculated based on manufacturer's data for VOC, NO_x, CO, PM; and AP-42 Chapter 3 emission factors SO₂, HAPs (HCHO included) and revised annual hours of operation.

Compliance History and Site Review

In accordance with 30 TAC Chapter 60, a compliance history report was reviewed on:

February 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		NO _x		CO		PM		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	lb/hr	tpy
New/Revised Emissions																
EG1-EG14 / Emergency Generators 1-14	1.21	1.16	51.10	49.00	6.09	5.84	0.40	0.38	0.40	0.38	0.40	0.38	0.04	0.04	0.04	0.04
EG15 / Emergency Generator 15	0.32	0.02	9.58	0.66	1.59	0.11	0.11	0.01	0.11	0.01	0.11	0.01	0.01	<0.01	0.01	<0.01
TK16-TK17 / Diesel Tanks 16-17	0.39	0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Existing Emissions																
TK1-TK14 / Diesel Tanks 1-14	0.14	0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TK-15 / Diesel Tank 15	0.04	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL EMISSIONS (TPY):		1.20		49.66		5.95		0.39		0.39		0.39		0.04		0.04
MAXIMUM OPERATING SCHEDULE:									Hours/Year		8,760					

*Hourly rates apply to each generator / storage tank.

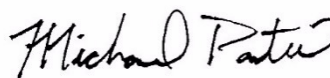
**Annual rates for generators are based on a maximum of 2,055 cumulative operating hours (average of 137 hours per generator).



Mr. Dan Sims
Permit Reviewer
Rule Registration Section

03/04/2025

Date



Michael Partee, Manager
Rule Registrations Section
Air Permits Division
Section Manager

03/05/2025

Date