

Permit by Rule (PBR) Registration Technical Review

Company:	Amazon Data Services, Inc.	Registration No.:	164110
Nearest City:	San Antonio	Project No.:	388567
County:	Bexar	Project Type:	Revision
Project Reviewer:	Briannah Spooner	Regulated Entity No.:	RN111192365
Unit Name:	ALE60	Customer Reference No.:	CN605858919
PBR No(s).:	106.472, 106.511	Project Received Date:	February 5, 2025
Physical Location:	7400 Potranco Road		

Project Overview / Process Description

Amazon Data Services, Inc. (ADS) owns and operates the ALE60 data center in Bexar County, Texas. The purpose of this project is to revise their site and emissions under 106.472 and 106.511 using a PI-7-CERT. Project changes include ADS proposing to construct, operate, and maintain two (2) new 40,000-gallon capacity diesel fuel storage tanks (EPNs TK-16 and TK-17).

The ALE60 San Antonio Facility is located in Bexar County, which is currently an attainment or unclassified area for all criteria pollutants except for the 8-hour ozone standard. Bexar County is classified as serious nonattainment for the 2015 8-hour ozone standard (0.070 ppm). ADS is proposing to modify current air emissions from existing generators (EPNs EG1-EG15) based on a maximum operational schedule of 2,055 hours per year across all generators. No single generator will exceed 100 hr/year for non-emergency purposes.

The normal operation of the ALE60 San Antonio Facility emergency generators will be for installation and periodic testing only. If local power is interrupted, the emergency generators will power the ALE61 San Antonio Facility such that there is no interruption in services to ADS customers; however, this usage of the emergency generators is not considered "normal operation" as it only occurs as a result of an emergency event (i.e., a power outage).

Permit by Rule Requirements - 30 TAC Chapter 106

General Requirements

Registration Fee Reference No.:	Application fee: 746716 / 582EA000649017
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?	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?	Yes
Notes: ADS proposes a modified limit of 2,025 hrs/yr across all generators at the site with no more than 876 hours total operation per generator	

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 A, IIII; MACT A, 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) 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:

February 10, 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														
TK-16 / Diesel Fuel Storage Tanks	0.39	0.01	--	--	--	--	--	--	--	--	--	--	--	--
TK-17 / Diesel Fuel Storage Tanks	0.39	0.01	--	--	--	--	--	--	--	--	--	--	--	--
Revised Emissions														
EG1 – EG14 / Caterpillar Model 3516C-HD Engines	1.21	1.20	51.10	49.00	6.09	5.80	0.40	0.38	0.40	0.38	0.04	0.04	0.01	0.03
EG15 / Caterpillar Model C18 Engine	0.32	0.02	9.58	0.66	1.59	0.10	0.11	0.01	0.11	0.01	0.11	<0.01	<0.01	<0.01
TOTAL EMISSIONS (TPY):	--	1.24	--	49.66	--	5.90	--	0.39	--	0.39	--	0.04	--	0.03
MAXIMUM OPERATING SCHEDULE:												Hours/Year		8,760

*Note: Engines are based on a maximum of 2,025 hours per year.

Briannah Spooner

March 11, 2025

Date

Ms. Briannah Spooner
Permit Reviewer
Rule Registration Section

Michael Partee

March 11, 2025

Date

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