

Permit by Rule (PBR) Registration Technical Review

Company:	Amazon Data Services, Inc.	Registration No.:	164140
Nearest City:	San Antonio	Project No.:	388568
County:	Bexar	Project Type:	Revision
Project Reviewer:	Jana Banigo	Regulated Entity No.:	RN111194965
Unit Name:	Ale61	Customer Reference No.:	CN605858919
PBR No(s).:	106.472, 106.511	Project Received Date:	February 5, 2025
Physical Location:	11625 Old Corpus Christi Hwy		

Project Overview / Process Description

Amazon Data Services, Inc. (ADS) owns and operates a data center ALE61 located at 11625 Old Corpus Christi Highway in San Antonio, Bexar County (ALE61 San Antonio Facility).

The normal operation of the ALE61 San Antonio Facility emergency generators is for 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 because of an emergency event.

With this project, ADS is proposing to construct two (2) 40,000-gallon capacity diesel fuel storage tanks. Additionally, ADS is proposing to increase the annual operating hours of each existing emergency generator from 100 hr/yr to 137 hr/yr per generator, which is a combined total of 2,055 hr/yr for all the emergency generators at the site.

The site will consist of the following facilities and operations upon issuance of this registration:

- Fourteen (14) Caterpillar 3516C-HD Diesel Fired 2.5 MW Emergency Generators
- One (1) Caterpillar C18 Diesel Fired 600kW Emergency Generator
- One (1) 1,500 Gallon Capacity Diesel Fuel Storage Belly Tank
- Fourteen (14) 5,000 Gallon Capacity Diesel Fuel Storage Belly Tanks
- Two (2) 40,000-gallon capacity Diesel Fuel Storage tanks
- Particle cutting and shredding operations (authorized under Permit 172553)

The sitewide emission are less than 106.4 emission rate thresholds. A detailed project/process description is included in the public file.

Permit by Rule Requirements - 30 TAC Chapter 106

General Requirements

Registration Fee Reference No.:	Application fee: 746715 / 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, OR has the site been subject to public notice requirements? Sitewide PBR authorized facilities are 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?	NA

Permit by Rule (PBR) Registration

Registration No. 164140
Page 2

Project No. 388568

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: MACT ZZZZ, NSPS IIII	
Notes: ADS indicates that the actual annual emission rates will not exceed the NNSR (Nonattainment New Source Review) thresholds to remain a minor source with respect to NNSR and Title V.	

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**;
- (2) water or wastewater;
- (3) aqueous salt solutions;
- (4) aqueous caustic solutions, except ammonia solutions;
- (5) inorganic acids except oleum, hydrofluoric, and hydrochloric acids;
- (6) aqueous ammonia solutions if vented through a water scrubber;
- (7) hydrochloric acid if vented through a water scrubber;
- (8) acetic acid if vented through a water scrubber;
- (9) organic liquids having an initial boiling point of 300 degrees Fahrenheit or greater. Facilities loading, unloading, or storing butyric acid, isobutyric acid, methacrylic acid, mercaptans, croton oil, 2-methyl styrene, or any other compound with an initial boiling point of 300 degrees Fahrenheit or greater listed in 40 Code of Federal Regulations 261, Appendix VIII shall be located at least 500 feet from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located.

Notes: The site will consist of fourteen (14) 5,000 Gallon Capacity Diesel Fuel Storage Belly Tanks, one (1) 1,500 Gallon capacity Diesel Fuel Storage Belly Tank, and two (2) 40,000-gallon capacity diesel fuel storage tanks.

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.

Notes: ADS indicates that the emergency generators will not operate more than 876 hours per year.

Compliance History and Site Review

In accordance with 30 TAC Chapter 60, a compliance history report was reviewed on:		February 11, 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

Permit by Rule (PBR) Registration

Registration No. 164140
Page 3

Project No. 388568

Emission Summary

EPN / Emission Source	VOC		NOx		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
New Emissions														
TK16-17 / Diesel Belly Storage Tanks 16 & 17	0.39	0.01	--	--	--	--	--	--	--	--	--	--	--	--
Revised Emissions														
EG1-14 / 3516CHD Stationary Emergency Generators 1-14	1.21	1.16	51.10	49.00	6.09	5.84	0.40	0.38	0.40	0.38	0.04	0.04	0.04	0.04
EG15 / C18 Stationary Emergency Generator 15	0.32	0.02	9.58	0.66	1.59	0.11	0.11	0.01	0.11	0.01	0.01	<0.01	0.01	<0.01
Existing/Unchanged Emissions														
TK1-TK14 / Diesel Belly Storage Tanks	0.14	0.01	--	--	--	--	--	--	--	--	--	--	--	--
TK-15 / Diesel Belly Storage Tank	0.04	<0.01	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL EMISSIONS (TPY):		1.20		49.66		5.95		0.39		0.39		0.04		0.04
MAXIMUM OPERATING SCHEDULE:			All Emergency Generators										2,055 hrs/yr	
			Storage Tanks										8,760 hrs/yr	

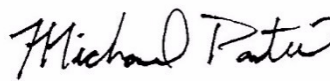
Note: The emission representations included in the table above apply to each generator and storage tank. Each emergency generator will not operate more than 876hrs per year.



Ms. Jana Banigo
Permit Reviewer
Rule Registration Section

March 7, 2025

Date



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

March 10, 2025

Date