Facility Name: Breakthrough Properties

Equipment Type: [34H] California Certified Emergency Engine

Application #: APCD2023-APP-008064

ID#: APCD2010-SITE-00445

Equipment/Facility Address: 6220 Greenwich Dr.

San Diego, CA 92122

Facility Contact: Daniel Caro (Site Contact)

(703) 965-0594 dcaro@btprop.com

Patrick Tam (Application Preparer)

(714) 893-7900 tam@proehs.com

2/6/2024



Austin Stein

Jr. Air Pollution Control Engineer

Signed by: E100885

3/19/2024

X Nicholas Horres

Nicholas Horres

Senior Air Pollution Control Engineer

Signed by: NHorres

1.0 Background

Senior Engineer Signature:

Permit Engineer:

- **1.1 Type of Application:** New installation of a 757-BHP emergency diesel engine powering a 505 kW standby generator
- **1.2 Permit History:** This is the initial application for this equipment.
- **1.3 Facility Description:** This is an office building. This facility has one active permit of a similarly sized emergency engine under APCD2011-PTO-00083. No other applications are open at this site.
- **1.4 Other Background Info:** There is one closed NTC for failure to notify the district of an ownership change of previously existing equipment. There are no hearing board actions, permit denials, legal settlements, or nuisance complaints. The site is not a Title V facility.

2.0 Process Description

2.1 Equipment Description.

Emergency Diesel Engine Generator

Manufacturer: Volvo; Model: TAD1641GE-B;

S/N: TBD;

Horsepower (maximum rated): 757 BHP;

Model Year: 2023;

EPA Certification Tier: 2;

Engine Family (EPA): NVPXL16.1ACC;

Driving a 505-kW emergency-use standby generator;

10-inch diameter vertical exhaust with flapper raincap, exhausting 6.4 ft. above ground.

2.2 Process Description.

This is a diesel-powered generator to be used in situations of emergency and for limited operations for maintenance and testing purposes for the Breakthrough Properties operation.

2.3 Emissions Controls.

This is a Tier 2 certified diesel engine. It is not equipped with any add on controls.

2.4 Attachments.

Generator specification sheet.

3.0 Emissions

3.1 Emissions estimate summary. Estimated emissions from the process are shown below.

Emission Hourly **Daily Factor Emissions Emissions Annual Emissions** g/bhp-hr lbs/day tons/year lbs/yr Compound lbs/hr 4.15 0.173 6.92 166.13 346.10 NOx CO 0.26 0.43 10.43 0.011 21.72 **NMHC** 0.10 0.17 4.15 0.004 8.65 1.20 2.49 0.03 0.05 0.001 PM 0.00778 0.1868 0.00019 0.389 NA SOx

Table 1: Estimated PTE for criteria pollutants

3.2 Estimated Emissions Assumptions

- Table 1 evaluates the emission unit at 24 hours per day and a total of 50 hours per year, assuming full load operations
- Estimated emissions are calculated for maintenance and testing operations. Emergency use is not counted towards operation limits.
- 15 ppmw sulfur fuel
- Emission factors were EPA certified emission factors; Standard toxics emission factors for diesel engines.
- Expected actual emissions same as PTE.

• Other standard assumptions as stated in calculation sheets

3.3 Emissions Calculations.

Calculations were performed using the attached spreadsheets using standard calculation methods.

3.4 Attachments.

Emission Calculations.

4.0 Applicable Rules

4.1 District Prohibitory Rules

Emergency diesel engines at non-major sources are subject to the following District prohibitory rules: 50, 51, 53, 62 and 69.4.1. The proposed engine is expected to comply with all applicable requirements as shown in the table on the following page with standard permit conditions for this equipment type.

	Table 2: Prohibitory Rule Discussion							
Applicable Section	Requirement	Engine Complies?	Explanation	Condition				
	Visible Emissions not to exceed	•	Compliance with this requirement is achieved					
	20% opacity or Ringelmann 1 for		through the use of an EPA certified engine,					
	more than 3 minutes in a 60		and permit conditions will specify this					
Rule 50	minute period	Yes	requirement.	C28413				
			Due to the intermittent operation of an					
			emergency engine that meets all emission					
			requirements, it is anticipated that this will not					
			cause a public nuisance. Permit conditions					
	Cannot cause or contribute to a		will prohibit this engine from causing a public					
Rule 51	public nuisance	Yes	nuisance.	C28414				
	Emissions of sulfur compounds		D is the state of					
	calculated as SO2 on a dry basis		Permit conditions will require use of CARB					
D 1 50	shall not exceed 0.05 % by volume		diesel fuel (15 ppm Sulfur by weight), which	G00440				
Rule 53	on a dry basis.	Yes	will ensure compliance with this requirement.	C28412				
			Permit conditions will require use of CARB					
D 1 (4	Sulfur content of liquid fuel shall	***	diesel fuel (15 ppm Sulfur by weight), which	G20.412				
Rule 62	not exceed 0.5 % sulfur by weight.	Yes	will ensure compliance with this requirement.	C28412				
Rule 69.4.1								
	Emission standards for NOx and							
	CO emissions. For a new or							
	replacement certified diesel							
	engine, NOx emissions shall not							
	exceed: 3.5 g/bhp-hr if							
	50≤bhp<100; 3.0 g/bhp-hr if							
	100≤bhp<175; 3.0 g/bhp-hr if							
	175≤bhp<750; 4.8 g/bhp-hr if		Use of an EPA certified tier 3 engine (tier 2 for					
	bhp≥750. For a new or		engines with a rated power in excess of 750					
	replacement certified diesel		bhp) ensures that NOx and CO emissions					
	engine, CO emissions shall not		comply with this requirement. This engine is a					
	exceed: 3.7 g/bhp-hr if		tier 2 with greater than 750 BHP, therefore					
69.4.1(d)(1)(ii)(E)	50\leq bhp<100; 3.7 g/bhp-hr if	Yes	it complies with this requirement.	NA				

	100\(\leq \text{hhp} < 175; 2.6 g/\text{bhp-hr if} \\ 175\(\leq \text{bhp} < 750; 2.6 g/\text{bhp-hr if} \\ \end{array}			
	bhp≥750.			
69.4.1(d)(2)	Engines operated on diesel fuel shall use only California Diesel Fuel.	Yes	Permit conditions will require use of CARB diesel fuel (15 ppm Sulfur by weight), which will ensure compliance with this requirement.	C28412
69.4.1(e)(3)	All engines must be equipped with a non-resettable totalizing fuel or hour meter which shall be replaced in accordance with subsection (g)(7) of this rule.	Yes	Permit conditions will require installation of a non-resettable hour meter and specify the requirements for replacement.	C28419
69.4.1(f)(2)	The owner or operator must conduct periodic maintenance on the engine, according to engine/control equipment manufacturer's instructions or other written procedure, at least	Yes	Annual maintenance of engine according to written procedure will be required by permit conditions.	C43433
02.4.1(1)(2)	once each calendar year.	105	Manufacturer and model number, brake horsepower rating, combustion method and fuel type are contained in the permit application. Documentation of CARB diesel fuel certification and manual of recommended	C+3+33
69.4.1(g)(1)	Specifies engine information that must be maintained on-site.	Yes	maintenance will be specified in permit conditions.	C45251
	Requires keeping an operating log containing dates and times and purpose of each period of engine operation, cumulative operation of engine for each calendar year and maintenance records including dates maintenance is performed.		Compliance with this provision is expected and	
69.4.1(g)(2)	Engines within 500 feet of schools must record the time of day when	Yes	this requirement is specified in permit conditions.	C45252

	the engine is operated for testing and maintenance. Specific records for internal, external, and partial external power outages is required.			
69.4.1(g)(6)	Requires records of the dates and times when fuel is being combusted and cumulative operating time if claiming a commissioning exemption.	NA	The applicant has not claimed a commissioning exemption is needed.	NA
69.4.1(g)(7)	Requires notification to APCD within 10 calendar days of replacing an hour meter.	Yes	Compliance with this provision is expected and this requirement is specified in permit conditions.	C28419
69.4.1(g)(9)	Requires specified records to be maintained on-site for at least three years and made available to the District upon request.	Yes	Compliance with this provision is expected and this requirement is specified in permit conditions.	C43432
69.4.1(i)(1)	Requires periodic source testing to confirm compliance with applicable emission standards.	NA	This subsection does not apply to certified emergency engines.	NA

4.2 New Source Review (NSR) Rule 20.1-20.4

This application is subject to District NSR rules. At the time of filing, this facility is not considered a major stationary source, for each pollutant, as shown in the following table, and is therefore subject to District Rule 20.2. Calculation of emissions and determination of applicable requirements is performed in accordance with District Rule(s) 20.1 through 20.3.

Table 3: Classification of Major/PSD Source and Modification New Source Review (NSR) Requirements

	NOx	voc	PM-10	PM-2.5	SOx	СО	Lead
Major Source Threshold (ton/year)	50	50	100	100	100	100	100
Major Source? (yes/no)	No	No	No	No	No	No	No
Major Modification Threshold (ton/year)	25	25	15	10	40	100	0.6
Major Modification at a Major Source?	No	No	No	No	No	No	No
Contemporaneous Calculations Performed?	No	No	No	No	No	No	No
Federal Major Stationary Source Threshold (ton/year)							
(Severe non-attainment status)	25	25	100	100	100	100	100
Federal Major Stationary Source?	No	No	No	No	No	No	No
Federal Major Modification Threshold (ton/year)							
(Severe non-attainment status)	25	25	15	10	40	100	0.6
Federal Major Modification?	No	No	No	No	No	No	No
Contemporaneous Net Calculations Performed	No	No	No	No	No	No	No
PSD Threshold (ton/year)	250	250	250		250	250	
PSD Modification Threshold (ton/year)	40	40	15		40	100	0.6
PSD New or Modification?	No	No	No	No	No	No	No

District Rule 20.2 contains requirements for Best Available Control Technology (BACT), Air Quality Impact Assessment (AQIA), Prevention of Significant Deterioration (PSD) and public notification. Requirements of this rule apply; as shown in the table on the following page and sections 20.2(d)(1-2).

Table 4: New Source Review Discussion							
Rule/Requirement	Requirement	Applicability	Discussion	Condition			
-	Rule 20.2 applies to		This is a non-major				
	non-major		stationary source, so Rule				
Applicability	stationary sources	Yes	20.2 applies.	NA			
Type of							
application	New	Yes	NA	NA			
	No exemptions						
	apply to this						
Exemptions	equipment	NA	NA	NA			
20.2(d)(1) - BACT							
			The potential to emit for				
	Installation of	Triggered,	this pollutant is 166.1				
	BACT is required if	see	lbs/day, which does				
	emissions of NOx	discussion	exceed this trigger level,				
BACT - NOx	exceed 10 lbs/day	below	so BACT is required.	NA			
			The potential to emit for				
	Installation of		this pollutant is 4.2				
	BACT is required if	Not	lbs/day, which does not				
	emissions of VOC	triggered, no	exceed this trigger level,				
BACT - VOC	exceed 10 lbs/day	permit limit	so BACT is not required.	NA			
		•	The potential to emit for				
	Installation of		this pollutant is 1.2				
	BACT is required if	Not	lbs/day, which does not				
	emissions of PM-10	triggered, no	exceed this trigger level,				
BACT - PM-10	exceed 10 lbs/day	permit limit	so BACT is not required.	NA			
		1	The potential to emit for				
	Installation of		this pollutant is 0.19				
	BACT is required if	Not	lbs/day, which does not				
	emissions of SOx	triggered, no	exceed this trigger level,				
BACT - SOx	exceed 10 lbs/day	permit limit	so BACT is not required.	NA			
20.2(d)(2) – AQIA	,	1 1		1			
2012(4)(2) 11(211	Required for						
	project emission		The increase in emissions				
	increases in excess		of this air contaminant				
	of 25 lbs/hr, 250		from this project does not				
	lbs/day or 40 ton/yr		exceed any of these				
	of NOx calculated		levels, so no AQIA is				
AQIA - NOx	as NO2	Not Triggered	required.	NA			
			The increase in emissions				
	Required for		of this air contaminant				
	project emission		from this project does not				
	increases in excess		exceed any of these				
	of 100 lbs/day or 15		levels, so no AQIA is				
AQIA - PM-10	ton/yr of PM-10	Not Triggered	required.	NA			
	Required for		The increase in emissions				
AOIA GO	project emission	N / T	of this air contaminant	NIA			
AQIA - SOx	increases in excess	Not Triggered	from this project does not	NA			

	of 25 lbs/hr, 250		exceed any of these	
	lbs/day or 40 ton/yr		levels, so no AQIA is	
	of SOx calculated		required.	
	as SO2			
	Required for		The increase in emissions	
	project emission		of this air contaminant	
	increases in excess		from this project does not	
	of 100 lbs/hr, 550		exceed any of these	
	lbs/day or 1000		levels, so no AQIA is	
AQIA - CO	ton/yr of CO	Not Triggered	required.	NA
	Applicable to			
	source that may			
	have a significant		Emissions from this	
	impact on a class I		engine do not trigger PSD	
20.2(d)(3) - PSD	area	NA	requirements.	NA
	Requires 30 day			
	public notice if an			
	AQIA was required			
	or if increase in		AQIA was not required	
	VOC emissions		and VOC emission	
	from the project		increase from this project	
20.2(d)(4) - Public	exceed 250 lbs/day		does not exceed these	
Notice	or 40 ton/year	NA	levels.	NA

20.2(d)(1) - BACT

The PTE for NOx for the engine is 166.1 lbs./day, greater than the 10 lbs./day threshold for BACT. Therefore, a BACT analysis is required. Alternatives that were considered include natural gas and propane engines and Tier 4f engines including SCR and DPF. Gas-fueled engines are not feasible as backup power for operations that must occur if natural gas lines are damaged in the event of an emergency like an earthquake. An engine of this size would also likely require SCR for emissions control, a method which is not cost effective as described below. The cost-effectiveness evaluation did not take into account the likely short periods of operation of this engine for maintenance. In many maintenance situations, the engine is operated at low loads and for approximately 30 minutes, some of which the SCR catalyst has not reached appropriate temperature for effectively controlling emissions.

NOx Analysis:

A tier 4 engine is the lowest emitting BACT option. Cost-effectiveness has previously been evaluated under applications APCD2021-APP-006831, and APCD2021-APP-006981, comparing incremental costs of a tier 2 vs. 4 engine, the results of which are summarized below. Note that this analysis is conservative and does not take into account the likely short periods of operation of this engine for maintenance as noted above which would lower the level of emission reductions achieved.

							Annual	
	Engine	Capital		Annual	Annual	Annual	Emission	
	Size	Cost Tier	Capital	Cost Tier	Cost Tier	Incremental	Reduction	Cost
Project	(bhp)	2	Cost Tier 4	2	4	Cost	(lb/yr)	Effectiveness

6831	2346	\$329,050	\$603,826	\$127,026	\$200,228	\$73,202	1,112	\$65.82
6981	2937	\$810,000	\$1,200,000	\$131,824	\$195,294	\$63,471	1,322	\$48.03

This analysis shows that a Tier 4f engine, the lowest-emitting category of diesel engines, is not cost-effective. The analysis is based on the assumption that the engine allowed to run up to 50 hours per year for maintenance and testing, the maximum NOx emissions were calculated using the emission standards for a tier 2 and tier 4 engine. Capital costs were provided by the permit applicants which were annualized and added to expected maintenance and operating costs to determine an overall annual cost. While the previous analysis was conducted for larger engines, it is still representative for this application too because the equipment is very similar aside from engine size, and NOx emissions and costs are expected to scale roughly linearly with engine size. Additionally, the cost for an add-on SCR to a tier 2 engine is expected to have a similar cost to the incremental cost of a tier 4 engine, so this analysis also demonstrates that use of an SCR would not be cost effective, in addition to being technologically infeasible because it would not function during most periods of testing and maintenance.

For this engine size, a tier 2 is the next lowest emitting option, therefore satisfies BACT for NOx.

20.2(d)(2) - AQIA

No AQIA limits were triggered by this engine, therefore no AQIA is required for this project.

4.3 Toxic New Source Review - Rule 1200

District Rule 1200 applies to any application that is part of a project which results in an emission increase of toxic air contaminants. The rule limits the increase in acute and chronic health hazard index (HHI) to no more than one from the project and limits the increase in cancer risk from the project to no more than one in one million if the engine is not equipped with Toxics BACT (T-BACT) or no more than ten in one million if the project meets T-BACT requirements. The following table contains an in-depth review of Rule 1200 requirements. If a refined HRA was required, the HRA report is attached.

Table 5: Rule 1200 Applicable Requirements and Discussion

Question	Answer	Discussion
Does the application		The application results in an increase in toxic emissions of
result in an increase in		Diesel Particulate Matter or specific trace heavy metals and
toxic emissions?	Yes	organics (as shown in emission calculations section).
Do any special		
exemptions apply to		
this equipment?	No	No exemptions apply to this equipment
Are there any other		
applications that are		
part of the project?	No	NA

What type of HRA was used?	Refined	Engine did not pass de minimis and was sent for a refined HRA. Results attached
Is the Project Equipped with T-BACT?	No	NA
Cancer Risk increase (per one million)	0.361	Project meets standard of one in one million.
Chronic HHI	0.000278≤1	Meets standard of one.
Acute HHI	0.143≤1	Meets standard of one.
Passes Rule 1200?	Yes	Maintenance and testing (non-emergency operation) must be limited by permit conditions to 50 hours per calendar year

Based on this analysis, the proposed engine complies with all applicable requirements of District Rule 1200.

4.4 AB3205

Requirements in the California Health and Safety Code in sections 42301.6 through 42301.9 (a.k.a. "AB3205 requirements") specify that prior to issuing an authority to construct for sources located within 1000 feet of a K-12 school, a 30-day public notification process must be conducted.

This project is located within 1000 feet of a school (**Fusion Academy San Diego**), so public notice is required for this section. A copy of the public notice is attached to the file and when the notice is issued, this evaluation and relevant attachments will be made available on the District's website for review. If any comments are received, they will be reviewed, considered and responded to prior to taking action on the permit including revising any requirements as necessary in response to comments received.

4.5 State and Federal Regulations.

This engine is subject to both the State Air Toxic Control Measure for Stationary Engines (Stationary ATCM) and federal EPA issued National Emission Standards for Hazardous Air Pollutants (NESHAPs) and New Source Performance Standards (NSPS).

Applicable requirements of the Stationary ATCM include purchasing an engine certified to EPA standards and meeting specified emission standards of the rule, installing an hour meter, conducting maintenance according to a written plan, restrictions on operating the engine for purposes other than emergency use and limited (50 hours/year) use for maintenance and testing, and maintaining records to substantiate compliance with these requirements. This engine is expected to comply with all these requirements as described in the detailed analysis shown in the table following the discussion of NESHAP/NSPS requirements.

The NESHAP (subpart ZZZZ) requires that all new emergency engines comply with the rule by complying with the NSPS (subpart IIII). Applicable requirements of the NSPS include purchasing a certified engine, operating it as directed by the manufacturer, and maintaining records to substantiate compliance. These requirements closely mirror the ATCM requirements, except that the NSPS is somewhat less stringent regarding allowable PM emission rate and contains some allowance for other types of operation not allowed by the ATCM. This means the more stringent ATCM requirements apply. A detailed analysis of NESHAP and NSPS requirements is shown in the following table.

ENGINEERING EVALUATION ATTACHMENTS

Table 6a: S	tate and Federal Re	quirement	Discussion (Stationary	ATCM)
Applicable Section	Requirement	Engine Complies/E xpected to Comply?	Explanation	Condition
Stationary ATC	М		<u>-</u>	
	There are no		This engine is not one of the	
93115.3	exemptions that apply to this engine	NA	engines exempted from any applicable requirements	NA
	Definitions. Permit conditions ensure that the engine only operates in a manner allowed for engines designated as		Permit conditions require that the engine operate only	
93115.4	"Emergency Standby"	Yes	as an emergency engine	C40239
	Requires the use of		Permit conditions will require use of CARB diesel fuel (15 ppm Sulfur by weight), which will ensure compliance with this	
93115.5	CARB diesel as fuel.	Yes	requirement.	C28412
93115.6(a)(1)	Prohibits non- emergency operation of an emergency engine between 7:30 AM and 3:30 PM during school days if within 500 feet of school and during all school sponsored activities if located on school grounds	Yes	Permit conditions specify this requirement.	C28415
93115.6(a)(2)	Allows for engine to be started 30 minutes prior to rotating outage	Yes	Permit conditions specify this requirement.	C28560
93115.6(a)(3)(A)(1)(b)	Requires that all engines used for emergency purposes be certified to at least tier 3 standards (tier 2 for engines with a rated power in excess of 750 bhp) and have Diesel PM emissions less than 0.15 g/bhp-hr	Yes	Use of an EPA certified tier 3 engine (tier 2 for engines with a rated power in excess of 750 bhp) with PM emission below this level satisfies this requirement. This is a tier 2 engine greater than 750 BHP, therefore complies.	NA
93115.6(a)(3)(A)(1)(c)	Restricts maintenance and testing operation to	Yes	Permit conditions specify this requirement.	C28643

		ı	T	
	no more than 50 hours			
	per calendar year			
	Does not allow			
	emergency standby			
	engines to operate as			
	part of "demand			
	response programs"			
	unless additional		Permit conditions specify	
93115.6(c)	requirements are met	Yes	this requirement.	C40907
	Requires that specified		The submitted application	
	information is		contained all of the required	
	submitted to the		contact/location	
	District as part of		information, engine data,	
93115.10(a)-(b)	application package	Yes	and emission information	NA
	Requires installation of			
	a non-resettable hour			
	meter and for engines			
	with DPFs, a			
	backpressure monitor			
	that alerts the operator			
	when the backpressure		Permit conditions require	
	limit of the engine is		the installation and use of a	
93115.10(d)	approached	Yes	non-resettable hour meter.	C28419
	Specifies that the owner			
	or operator must keep			
	records and prepare a			
	monthly summary of			
	hours of operation and			
	purpose (emergency,			
	maintenance and			
	testing, emission			
	testing, start-up testing,		Permit conditions require	
	other, demand		that these records be kept	
	response) of each		and the summary updated	
93115.10(f)	period of operation	Yes	monthly	C45252
			Permit conditions require	
			that documentation of the	
	Requires records of		CARB diesel certification	
	CARB diesel fuel		for all fuel used be	
93115.10(f)	certification	Yes	maintained	C43434
	States that records must			
	be kept on-site for at			
	least 24 months and		Compliance with this	
	off-site for an		provision is expected and	
	additional 12 months		this requirement is specified	
93115.10(f)	(total 36 months)	Yes	in permit conditions.	C43432
	Allows the use of			
	certification data or		The manufacturer's engine	
	other emission test data		rating specific emission data	
93115.13(a)	to demonstrate	Yes	was used to determine	NA

	compliance with emission limits		compliance and for emission calculations	
	For engines equipped with DPFs, allows the use of an engine certified to a PM-10			
	emission level of no more than 0.15 g/bhp- hr and a verified DPF in lieu of source testing (or other alternative			
93115.13(f)	means as listed)	NA	Not equipped with a DPF	NA

Table 6a: State and Federal Requirement Discussion (Stationary ATCM)							
Applicable Section	Requirement	Engine Complies/Ex pected to Comply?	Explanation	Condition			
NESHAP ZZZZ							
40 CFR 63.6590(b)-(c)	Requires that new emergency engines comply with the NESHAP by complying with the applicable NSPS	Yes	See NSPS section below.	NA			
NSPS IIII							
40 CFR 60.4205	Requires that engines meet emission limits equivalent to tier 3 levels (tier 2 for engines 750 bhp or higher)	Yes	Use of an EPA certified tier 3 engine (tier 2 for engines with a rated power in excess of 750 bhp) with PM emission below this level satisfies this requirement. This is a tier 2 engine with greater than 750 BHP, therefore complies. Permit conditions will	NA			
40 CFR 60.4207	Sets maximum fuel sulfur limits for fuel equivalent to CARB diesel requirements	Yes	require use of CARB diesel fuel (15 ppm Sulfur by weight), which will ensure compliance with this requirement.	C28412			
40 CFR 60.4209	Requires installation of a non-resettable hour meter	Yes	Permit conditions require the installation and use of a non-resettable hour meter.	C28419			
40 CFR 60.4211(a)	Requires that the engine be operated according to manufacturer's emission related	Yes	Permit conditions specify this requirement.	C43433			

	instructions and that			
	no changes are made			
	to emission related			
	settings unless			
	allowed by			
	manufacturer			
			Use of an EPA certified tier	
			3 engine (tier 2 for engines	
			with a rated power in excess	
			of 750 bhp) with PM	
			emission below this level	
	Requires that the		satisfies this requirement.	
	engine be certified		This is a tier 2 engine with	
40 CFR	under EPA		greater than 750 BHP,	
60.4211(c)	regulations	Yes	therefore complies.	NA
, ,			Compliance ensured by	
			permit conditions for	
			ATCM limiting operation	
			for maintenance and testing	
			to no more than 50 hours	
			per calendar year and	
			restricting non-emergency	
			operation for only those	
	Restricts operation of		uses allowed by the permit	
	emergency engines		(maintenance and testing).	C40239,
40 CFR	for non-emergency		ATCM requirements more	C40907,
60.4211(e)	purposes	Yes	stringent than NSPS.	C28643
	Requires records of			
	operation to show			
	that engine is		Compliance is expected and	
40 CFR	operated as an		specified in permit	
60.4214(b)	emergency engine	Yes	conditions.	C45252
	For engines with			
	DPFs, requires			
	records of corrective			
	actions taken when			
40 CFR	the high backpressure		Engine is not equipped with	
60.4214(c)	limit is approached	NA	a DPF.	NA
	Requires that all		Compliance with this	
	records be		provision is expected and	
	maintained for at		this requirement is specified	
40 CFR 60.7(f)	least 2 years	Yes	in permit conditions.	C43432

4.6 Title V.

This is not a Title V facility therefore this requirement does not apply.

5.0 Recommendations

This equipment is expected to comply with all rules and regulations, and therefore it is recommended *(pending completion of the AB3205 noticing and comment process)* that an authority to construct be issued with the following conditions.



Conditions BEC APCD2020-CON-001647 with a 50 hour/year limit for non-emergency/maintenance and testing.

All relevant attachments are uploaded to BCMS under the corresponding application number.