**Facility Name:** Sharp Medical Office **Equipment Type:** 34H – Emergency Diesel Engine **Application #:** APCD2024-APP-008457 ID#: APCD2024-SITE-04657 **Equipment/Facility Address:** 500 5th Avenue, Chula Vista, CA 91910 **Facility Contact:** Hector Contreras, 858-262-6086 hector.contreras@sharp.com Kevin Sarbaum, 626-320-4766 **Applicant Contact:** ksarbaum@hawthornecat.com 1/21/2025 X Hawzhin Muhamed Hawzhin Muhamed Assistant APC Engineer Signed by: E089831 **Permit Engineer:** X Joseph Herzig

**Senior Engineer Signature:** 

### 1.0 Background

**1.1 Type of Application:** New installation of a 132 bhp emergency diesel engine driving a 80-kW generator

Senior Air Pollution Control Engineer

- **1.2 Permit History:** This is the initial application for this equipment.
- **1.3 Facility Description:** This is a new medical office building. This facility has other active permits with SDAPCD at other locations. No other applications are open at this site.
- **1.4 Other Background Info:** No hearing board actions, permit denials, legal settlements, NOV, or nuisance complaints. This site is not a Title V facility.

### 2.0 Process Description

### 2.1 Equipment Description.

Emergency Diesel Engine: Manufacturer: Caterpillar

S/N: TBD Model: C4.4 Model Year: 2025

Engine Family: SPKXL04.4NR1

Tier: 3

Horsepower (maximum rated): 132 BHP

Driving 80-kW emergency-use standby generator.

2.5-inch diameter, vertical exhaust with Flapper, 5.4 feet 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.

### 2.3 Emissions Controls.

This is a Tier 3 certified diesel engine. It is not equipped with any aftermarket controls.

### 2.4 Attachments.

Generator specification sheets

#### 3.0 Emissions

### **3.1 Emissions estimate summary.** Estimated emissions from the process are shown below. Table 1: Estimated PTE for criteria pollutants

	Emission Factor	Hourly Emissions	Daily Emissions	Annual En	nissions
Compound	g/bhp-hr	lbs/hr	lbs/day	tons/year	lbs/yr
NOx	2.69	0.78	18.81	0.02	39.18
CO	0.60	0.17	4.17	0.00	8.68
NMHC	0.12	0.03	0.83	0.0009	1.74
PM	0.08	0.02	0.57	0.001	1.194
SOx	NA	0.00139	0.03335	0.00003	0.06948

### 3.2 Estimated Emissions Assumptions.

- Table 1 evaluates the emission unit assuming full load operations, 24 hours per day and total of 50 hours per year.
- emission factors were EPA emissions data.
- Standard toxics emission factors for diesel engines (see method E15).
- 15 ppmw sulfur fuel
- 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 3: Prohibitory Rule Discussion							
Applicable Section	Requirement	Engine Complies?	Explanation	Condition				
	Visible Emissions not to exceed	•	Compliance with this requirement is achieved					
	20% opacity or Ringlemann 1 for		through the use of an EPA certified engine,					
Rule 50	more than 3 minutes in a 60 minute period	Yes	and permit conditions will specify this requirement.	C28413				
Kule 50	minute period	ies	Due to the intermittent operation of an	C28413				
			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							
	calculated as SO2 on a dry basis		Permit conditions will require use of CARB					
	shall not exceed 0.05 % by volume		diesel fuel (15 ppm Sulfur by weight), which					
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	*7	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				T				
	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\leqbed bhp<100; 3.0 g/bhp-hr if							
	100\leq bhp<175; 3.0 g/bhp-hr if							
	175\leq bhp \leq 750; 4.8 g/bhp-hr if							
	bhp≥750. For a new or							
	replacement certified diesel		Use of an EPA certified tier 3 engine (tier 2 for					
	engine, CO emissions shall not		engines with a rated power in excess of 750					
	exceed: 3.7 g/bhp-hr if		bhp) ensures that NOx emissions comply with					
69.4.1(d)(1)(ii)(E)	50\leq bhp<100; 3.7 g/bhp-hr if	Yes	this requirement.	NA				

	100≤bhp<175; 2.6 g/bhp-hr if 175≤bhp<750; 2.6 g/bhp-hr if 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 specific maintenance on the engine and control equipment, including oil change/analysis, and checking hoses and belts.  Maintenance is required according to engine/control equipment manufacturer's instructions or other written procedure, at least once each calendar year.	Yes	Annual maintenance of engine according to written procedure will be required by permit conditions.	C43433
69.4.1(g)(1)	Specifies engine information that must be maintained on-site.	Yes	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 maintenance will be specified in permit conditions.	C45251
69.4.1(g)(2)	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.  Engines within 500 feet of schools	Yes	Compliance with this provision is expected and this requirement is specified in permit conditions.	C45252

	must record the time of day when the engine is operated for testing and maintenance. Specific records for internal, external, and partial external power outages are			
69.4.1(g)(6)	required.  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 period 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. This site is considered a non-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 4: Classification of Major/PSD Source and Modification New Source Review (NSR) Requirements

	NOx	voc	PM-10	PM-2.5	SOx	CO	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
<b>Contemporaneous Calculations Performed?</b>	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

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. No requirements of this rule apply as shown in the table on the following page.

Table 5: New Source Review Discussion							
Rule/Requirement	Requirement	Applicability	Discussion	Condition			
			This is not a major				
	Rule 20.2 applies to		source, so Rule 20.2				
Applicability	non-major sources	Yes	applies.	NA			
Type of	<b>3.</b> 7	***	NA	NT A			
application	New	Yes	NA	NA			
	No exemptions						
Exemptions	apply to this equipment	NA	NA	NA			
	equipment	INA	INA	INA			
20.2(d)(1) – BACT		I	The many in large with firm	I			
	Installation of		The potential to emit for				
	BACT is required if	Triggered,	this pollutant is <b>18.81</b> lbs/day, which exceed this				
	emissions of NOx	see discussion	trigger level, so BACT is				
BACT - NOx	exceed 10 lbs/day	below	required.	NA			
	Installation of	301377	The potential to emit for				
	BACT is required if	Not	this pollutant 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			
	Installation of		The potential to emit for				
	BACT is required if	Not	this pollutant 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			
	Installation of		The potential to emit for				
	BACT is required if	Not	this pollutant does not				
BACT - SOx	emissions of SOx	Triggered, no permit limit	exceed this trigger level,	NA			
	exceed 10 lbs/day	permit mint	so BACT is not required.	INA			
20.2(d)(2) – AQIA	D : 10	Π	T	T			
	Required for						
	project emission increases in excess		The increase in emissions 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			
		00: : :	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		(T2)				
	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 of SOx calculated		exceed any of these levels, so no AQIA is				
AQIA - SOx	as SO2	Not Triggered	required.	NA			
AUA BUX	as 502	TYOU THEE	required.	11/1			

	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		This is not a PSD source	
	have a significant		and emissions are not	
	impact on a class I		expected to impact a class	
20.2(d)(3) - PSD	area	NA	I area	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 is **18.81** lbs/day based on 24 hours of non-emergency operation, which is greater than the 10 lbs/day threshold for BACT. Alternatives that were considered include natural gas and propane engines, Tier 4F engines including SCR and DPF, and installing an add-on DOC to control VOC. 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 NOx emissions control and DOC for VOC emissions control, methods which are 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	Cost	Incremental	Reduction	Cost
Project	(bhp)	2	Cost Tier 4	Tier 2	Tier 4	Cost	(lb/yr)	Effectiveness
6831	2346	\$329,050	\$603,826	\$127,026	\$200,228	\$73,202	1,112	\$65.82

6001	2027	¢010.000	#1 200 000	Ø121 024	¢105 204	062 471	1 222	Ø 40. 03
6981	2937	\$810,000	\$1,200,000	\$131,824	\$195,294	\$63,471	1,322	<i>\$48.03</i>

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.

A tier 3 certified engine is the next lowest emitting option and therefore satisfies BACT requirements 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 6a: Rule 1200 Applicable Requirements and Discussion

Question	Answer	Discussion
Does the application result in an increase in toxic emissions?	Yes	The application does result in an increase in toxic emissions of specific trace heavy metals and organics (as shown in emission calculations section). See HRA for detail.
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?	De Minimis	Engine passed de minimis evaluation. See calculations sheet.
Is the Project Equipped with T-BACT?	No	The engine is not equipped with a DPF which is typically considered T-BACT for the equipment type.
Cancer Risk increase (per one million)	<1	Meets standard of one.
Chronic HHI	<1	Meets standard of one.
Acute HHI	<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 (Chula Vista Middle School) and (Vista Square Elementary School), 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 in regards to 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.

Table 7a: State and Federal Requirement Discussion – Stationary ATCM						
Applicable Section	Requirement	Engine Complies/Expect ed to Comply?	Explanation	Condition		
Stationary ATCM						
93115.3	There are no exemptions that apply to this engine	NA	This engine is not one of the engines exempted from any applicable requirements	NA		
93115.4	Definitions. Permit conditions ensure that the engine only operates in a manner allowed for engines designated as "Emergency Standby"	Yes	Permit conditions require that the engine operate only as an emergency engine	C40239		
93115.5	Requires the use of CARB diesel as fuel.	Yes	Permit conditions will require use of CARB diesel fuel (15 ppm Sulfur by weight), which will ensure compliance with this 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. This rule does not apply if the engine emits no more than 0.01g/bhp-hr of diesel PM.	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	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	NA		

	excess of 750 bhp) and have Disel		below this level satisfies this	
	PM emissions less than 0.15		requirement.	
	g/bhp-hr			
	Restricts maintenance and testing			
	operation to no more than 50		Permit conditions specify this	
93115.6(a)(3)(A)(1)(c)	hours per calendar year	Yes	requirement.	C28643
	Does not allow emergency			
	standby engines to operate as part			
	of "demand response programs"			
	unless additional requirements are		Permit conditions specify this	
93115.6(c)	met	Yes	requirement.	C40907
	Requires that specified		The submitted application contained all	
	information is submitted to the		of the required contact/location	
	District as part of application		information, engine data, and emission	
93115.10(a)-(b)	package	Yes	information	NA
	Requires installation of a non-			
	resettable hour meter and for			
	engines with DPFs, a			
	backpressure monitor that alerts			
	the operator when the		Permit conditions require the	
	backpressure limit of the engine		installation and use of a non-resettable	
93115.10(d)	is approached	Yes	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		Permit conditions require that these	
	testing, other, demand response)		records be kept and the summary	
93115.10(f)	of each period of operation	Yes	updated monthly	C45252
			Permit conditions require that	
			documentation of the CARB diesel	
	Requires records of CARB diesel		certification for all fuel used be	
93115.10(f)	fuel certification	Yes	maintained	C43434

	States that records must be kept			
	on-site for at least 24 months and		Compliance with this provision is	
	off-site for an additional 12		expected and this requirement is	
93115.10(f)	months (total 36 months)	Yes	specified in permit conditions.	C43432
	Allows the use of certification		The manufacturer's engine rating	
	data or other emission test data to		specific emission was used to determine	
	demonstrate compliance with		compliance and for emission	
93115.13(a)	emission limits	Yes	calculations	NA
	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)	Yes	Engine is not equipped with a DPF.	NA

Table 7b: State and Federal Requirement Discussion							
Applicable Section	Requirement	Engine Complies/Expected to Comply?	Explanation	Condition			
NESHAP ZZZZ							
40 CFR 63.6590(b)-(c) NSPS IIII	Requires that new emergency engines comply with the NESHAP by complying with the applicable NSPS	Yes	See NSPS section below.	NA			
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) satisfies this requirement.	NA			
40 CFR 60.4207	Sets maximum fuel sulfur limits for fuel equivalent to CARB diesel requirements	Yes	Permit conditions will require use of CARB diesel fuel (15 ppm Sulfur by weight), which will ensure compliance with this requirement.	C28412			

			Permit conditions require the	
40 0777 60 4000	Requires installation of a non-		installation and use of a non-resettable	G20440
40 CFR 60.4209	resettable hour meter	Yes	hour meter.	C28419
	Requires that the engine be			
	operated according to			
	manufacturer's emission			
	related instructions and that no			
	changes are made to emission			
	related settings unless allowed		Permit conditions specify this	
40 CFR 60.4211(a)	by manufacturer	Yes	requirement.	C43433
	Requires that the engine be		Use of an EPA certified tier 3 engine	
	certified under EPA		(tier 2 for engines with a rated power in	
40 CFR 60.4211(c)	regulations	Yes	excess of 750 bhp).	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	G 40220
	Restricts operation of		only those uses allowed by the permit	C40239,
40 CED (0.4014())	emergency engines for non-	**	(maintenance and testing). ATCM	C40907,
40 CFR 60.4211(e)	emergency purposes	Yes	requirements more stringent than NSPS.	C28643
	Requires records of operation			
40 CED (0.404.47)	to show that engine is operated	**	Compliance is expected and specified in	G45051
40 CFR 60.4214(b)	as an emergency engine	Yes	permit conditions.	C45251
	For engines with DPFs,			
	requires records of corrective			
	actions taken when the high			
40 CED (0.404.4/ )	backpressure limit is	27.4		27.4
40 CFR 60.4214(c)	approached	NA	Engine is not equipped with a DPF.	NA
			Compliance with this provision is	
40 CED (0 =(0	Requires that all records be	**	expected and this requirement is	G 12 122
40 CFR 60.7(f)	maintained for at least 2 years	Yes	specified in permit conditions.	C43432

# ENGINEERING EVALUATION ATTACHMENTS

### 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.

### **6.0 Recommended Conditions**

Standard BEC APCD2020-CON-001647 is recommended with 50 hour/year limit for non-emergency/maintenance and testing use.