

### **PUBLIC NOTICE**

Date: January 16, 2024

To: Parents or guardians of children enrolled at San Carlos School

Addresses within 1,000 feet of 400 Pearl Street, Monterey, CA 93940

#### SUBJECT: NOTICE OF INTENT TO ISSUE AN AUTHORITY TO CONSTRUCT PURSUANT TO CALIFORNIA HEALTH & SAFETY CODE §42301.6

Why are you receiving this	California Health & Safety Code Section 42301.6 requires that prior to approving a permit to construct equipment that emits toxic air emissions and is located within 1,000 feet of a kindergarten through grade 12 school-site, the Monterey Bay Air Resources District (MBARD) shall notify the parents or guardians of children enrolled in a school that is located within one-quarter mile of the proposed new or modified source and to each address within a 1,000 foot radius of the source.
Notice?	This notice is being distributed because MBARD received an application from Gallery Plastic Surgery requesting to install and operate an emergency internal combustion engine-generator set at 400 Pearl Street, Monterey, CA 93940. The proposed project will be located within 1,000 feet of the outer boundary of San Carlos School and will result in emissions of diesel particulate matter, a toxic air contaminant.
Project Description	Gallery Plastic Surgery is a medical center. The facility is proposing to install a 132 horsepower Tier 3 certified diesel engine to provide emergency power in the event of an electrical outage. The equipment will be limited to less than 50 hours per year for non-emergency use, including maintenance and testing purposes.
Preliminary Evaluation	MBARD has evaluated the permit application for the proposed project and has made a preliminary determination that the project will comply with all applicable air district, state and federal air quality-related regulations, including the health risks resulting from toxic air contaminant emissions. The preliminary recommendation is to issue an Authority to Construct for this project.
Additional Information	If you are interested in getting more information, you may request copies of MBARD's evaluation report by calling MBARD at (831) 647-9411. This information is also accessible on the MBARD website at: <u>https://www.mbard.org/press-releases-and-notices</u>
	There is a 30-day period for public response to this proposal. Anyone wishing to comment on the proposed issuance of this permit should submit their comments in writing by February 14, 2024, to the following address:
Public Comment Period	Monterey Bay Air Resources District Attn: Chathura Viswanath 24580 Silver Cloud Court Monterey, CA 93940
	All comments received during this 30-day period will be reviewed and considered by MBARD staff before a final decision is made on this application. MBARD will include written responses to the comments in the permit file.



## AVISO PÚBLICO

#### Fecha: 16 de Enero 2024

Para: Padres o tutores de alumnos de la escuela San Carlos School. Domicilios situados dentro 1,000 pies de la dirección 400 Pearl Street, Monterey, CA 93940

#### Asunto: SOLICITUD DE COMENTARIOS

¿Por qué ha recibido usted este aviso?	El código de Salud y Seguridad de California en la sección 42301.6 indica que antes de aprobar permisos de con la construcción de equipos que emitan contaminantes tóxicos de el aire y se encuentren a mil pies de distancia de una escuela, de kínder hasta el grado 12, el Distrito de Recursos del Aire de La Bahía de Monterey (MBARD por su siglas en ingles), debe notificar a los padres o guardianes de los alumnos inscritos en las escuelas y domicilios ubicados en un radio de un cuarto de milla desde la nueva o modificada fuente de emisión, y a todos los domicilios en un radio de 1,000 pies de esta. Este aviso publico se distribuye ya que MBARD recibió una solicitud de permiso de Salud Para La Gente para la instalación y operación de un generador de emergencia con un motor diésel localizado en 400 Pearl Street, Monterey, CA 93940. El proyecto será ubicado dentro de 1,000 pies del límite exterior de San Carlos School y emitirá partículas de diésel, que son consideradas como un agente contaminante toxico.
Descripción del proyecto	Salud Para La Gente es una clínica médica. La fuente propone instalar un motor diésel certificado Tier 3 de 132 caballos de fuerza para proporcionar electricidad durante emergencias en caso de interrupción eléctrica. El equipo será limitado a menos de 50 horas por año para uso que no sea de emergencia, incluyendo mantenimiento y pruebas de fiabilidad.
Evaluación preliminar	MBARD ha evaluado la solicitud de permiso para el proyecto propuesto y ha tomado una determinación preliminar de que el proyecto cumplirá con todas las reglamentaciones aplicables relacionadas con la calidad del aire del distrito, estatal y federal, incluidos los riesgos para la salud resultantes de las emisiones de contaminantes tóxicos del aire. La recomendación preliminar es de otorgar una Autoridad para Construir el proyecto.
Información adicional	Si está interesado en obtener más información, puede solicitar copias del informe de evaluación de MBARD llamando al (831) 647-9411. Esta información también está disponible en el sitio web de MBARD en: https://www.mbard.org/press-releases-and-notices
Periodo de comentarios públicos	<ul> <li>Hay un período de 30 días para la respuesta pública a esta propuesta. Cualquier persona que desee comentar sobre la propuesta de otorgar este permiso debe enviar sus comentarios por escrito antes del 14 de febrero de 2024 a la siguiente dirección:</li> <li>Monterey Bay Air Resources District</li> <li>Attn: Chathura Viswanath</li> <li>24580 Silver Cloud Court</li> <li>Monterey, CA 93940</li> <li>Todos los comentarios recibidos durante este periodo de 30 días serán revisados y considerados por el personal de MBARD antes de tomar la decisión final en cuanto a la solicitud pendiente. MBARD incluirá las respuestas a los comentarios escritos en el archivo del permiso.</li> </ul>

#### ENGINEERING EVALUATION AUTHORITY TO CONSTRUCT APPLICATION

Company:	Gallery Plastic Surgery
Mailing Address:	910 Major Sherman Lane, Suite 305 Monterey, CA 93940
Contact Person:	Wendy Wong, President Gallery Plastic Surgery Phone: (831) 718-8585 doctor.galleryplasticsurgery@gmail.com
Contractor:	Jon Rasmussen Craft Design-Build Cell: (831) 620-5235 jon@craftdesignbuild.com
Project Location:	400 Pearl Street Monterey CA 93940
Authority to Construct:	APP-23-00124
Coordinates:	Latitudes: 36.597791 Longitudes: -121.892208
SIC No.: NAICS No: SCC No:	<ul><li>8011 (Offices and Clinics of Doctors of Medicine)</li><li>621493 (Freestanding Ambulatory Surgical and Emergency Centers)</li><li>20100102 (Fuel Combustion, Electric Generation, and Oil)</li></ul>
Engineer:	Chathura Viswanath
<b>Evaluation Date</b> :	December 11, 2023

## I. PROPOSAL DESCRIPTION

EMERGENCY INTERNAL COMBUSTION ENGINE-GENERATOR SET:

Gallery Plastic Surgery has submitted a permit application to install an Emergency Caterpillar Engine-Generator Set, Model C4.4, 4 stroke diesel, Tier 3. The diesel emergency internal combustion engine rated 132 HP @ 1800-RPM will provide electric generation in the event of a power outage to the Gallery Plastic Surgery, located at 400 Pearl Street in Monterey. The emergency diesel engine is located within 1000 feet of the outer boundary of San Carlos School, a K through 8-grade school.

#### **II. APPLICABLE RULES**

- Rule 200: Permits Required
- Rule 201: Sources Not Requiring Permits
- Rule 207: Review of New and Modified Stationary Sources

Gallery Plastic Surgery Engineering Evaluation APP-23-00124 Page 2 of 20

- Rule 218: Title V Operating Permits
- Rule 221: Federal Prevention of Significant Deterioration
- Rule 222: Federal Minor New Source Review
- Rule 300: MBARD Fees
- Rule 400: Visible Emissions
- Rule 402: Nuisance
- Rule 403: Particulate Matter
- Rule 404: Sulfur Compounds & Nitrogen Oxides
- Rule 412: Sulfur Content of Fuels
- Rule 436: Title V: General Prohibitory Rule
- Rule 1000: Toxic Air Contaminants

40 CFR Part 63, Subpart ZZZZ, NESHAP, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

40 CFR Part 60, Subpart JJJJ, NSPS, Stationary Spark Ignition Internal Combustion Engines.

CA Health & Safety Code, Section 42301.6 - Public Notice

## **III. PROCESS DESCRIPTION**

Emergency Internal Combustion Engine-Generator Set:

Caterpillar Generator Set, With A Rating Of 80 kW. Unit Powered By A 2023 Model Year Caterpillar Tier 3 Diesel Engine, Model C4.4, Rated At 132 BHP @ 1800 RPM, Family Name PPKXL04.4NR1. Engine Equipped With Turbocharger And Aftercooler.

## IV. DESIGN VIEW AND EMISSIONS CALCULATIONS

Pollutant Species	Emission Factor (g/kW-hr)	Emission Factor (g/hp-hr)
NO <sub>x</sub> <sup>1</sup>	3.61	2.69
VOC <sup>1</sup>	0.16	0.12
$CO^1$	0.80	0.60
$PM^1$	0.11	0.08
$SO_x^2$	NA	0.0045

Table 1. Diesel Engine Emission Factors.

Notes:

1. Diesel Engine Emission Factors except SOx were gathered from EPA Nonroad Compression-Ignition Engines Data Sheet, EPA family name PMVXL03.3CBB.

2. The SOx emission factor was calculated assuming that certified diesel fuel was used and that all sulfur in the fuel is combusted into SOx as SO<sub>2</sub>. Based upon an ultra-low sulfur diesel concentration of 15 ppm the SOx emission factor is as follows:

1.5E-5 lb/lb-diesel \* 7.05 lb-diesel/gal-diesel \* 64 lb-SO<sub>2</sub>/lb-mol \* lb-mol S/32 lb-S = 2.12E-4 lb-SO<sub>2</sub>/gal-diesel

 $SO_x$  Emission Factor (g/hp-hr) = 2.12E-4 lb-SO<sub>2</sub>/gal-diesel \* Engine Fuel Consumption Rate (gal/hr)\* 1/Engine Hp \* 454 g/lb = 2.12E-4 lb-SO<sub>2</sub>/gal-diesel\*6.2 gal/hr\*1/132 Hp\*454g/lb = 0.0045 g/bhp-hr

#### Gallery Plastic Surgery Engineering Evaluation APP-23-00124 Page 3 of 20

Tuble 2. Emergency Breser Engine Speemeutons.	
EPA Family Name	PPKXL04.4NR1
Maximum Fuel Consumption (gph) <sup>1</sup>	6.2
Engine Horsepower (hp) <sup>2</sup>	132
Exhaust Flowrate (cfm) <sup>1</sup>	560
Exhaust Temperature (°F) <sup>1</sup>	1040
Exhaust Stack Height (ft.) <sup>2</sup>	7.66
Exhaust Stack Diameter (in.) <sup>2</sup>	2

Table 2. Emergency Diesel Engine Specifications.

Notes:

1. The exhaust flowrate and temperature, and fuel consumption referenced the Caterpillar Diesel Generator Set specifications sheet for modelC4.4 Diesel Generator Sets.

2. The engine horsepower, exhaust diameter, and exhaust height were provided by the applicant.

Pollutant	Operating	Power	Emission	Daily Fuel	РТЕ	Emission	РТЕ
	Schedule	Rating	Factor	Usage	Emissions	Factor	Emissions
	(hr/day)	(hp)	(g/hp-hr)	(gal/day)	(lb/day)	(lb/gal)	(tons/yr) <sup>1</sup>
NO <sub>x</sub>	24	132	2.69	148.8	18.77	0.1261	0.196
VOC	24	132	0.12	148.8	0.84	0.0056	0.009
CO	24	132	0.60	148.8	4.19	0.0282	0.044
PM	24	132	0.080	148.8	0.56	0.0038	0.006
$PM_{10}^{2}$	24	132	0.077	148.8	0.54	0.0036	0.006
$PM_{2.5}^{2}$	24	132	0.075	148.8	0.52	0.0035	0.005
SO <sub>x</sub>	24	132	0.0045	148.8	0.03	0.0002	0.0003
	•		Total				0.255

Table 3. Emergency Diesel Engine Potential To Emit (PTE) Emission Calculations

Notes:

1. According to U.S. EPA Memo dated on 9/6/2005, 500 hours per year of max operation was used to calculate the potential annual emissions.

PM<sub>10</sub> and PM<sub>2.5</sub> values are calculated from CEIDARS PM speciation profile. PM<sub>10</sub> is 96% and PM<sub>2.5</sub> is 93.7% of PM.

## V. RULE COMPLIANCE

The following MBARD rules apply to the operation as specified:

## MBARD Rule 200 - Permits Required

The purpose of this Rule is to identify when MBARD permits are issued. The provisions of this Rule shall apply to any person who builds, erects, alters, or replaces any article, machine, equipment or other contrivance which may cause the issuance of air contaminants or the use of which may eliminate or reduce or control the issuance of air contaminants.

Pursuant to Section 3.1, no person shall build, erect, alter, or replace any article, machine, equipment or other contrivance which may cause the issuance of air contaminants or the use of which may eliminate or reduce or control the issuance of air contaminants unless the facility owner or operator has obtained a separate written Authority to Construct for each permit unit from the Air Pollution Control Officer. An

Gallery Plastic Surgery Engineering Evaluation APP-23-00124 Page 4 of 20

Authority to Construct shall remain in effect until the Permit to Operate the equipment for which the application was filed is granted or denied or the application is cancelled.

Exceptions to MBARD Rule 200 are identified in MBARD Rule 201.

## MBARD Rule 201 - Sources Not Requiring a Permit

MBARD Rule 201, Section 4.14 exempts engines with a power rating of less than 50 BHP from obtaining permits. The diesel engine proposed in this application is rated at 132 BHP. Therefore, this unit is subject to permitting requirements.

## MBARD Rule 207 - Review of New of Modified Sources (as adopted on 4/20/2011)

This Rule provides for the review of new and modified stationary air pollution sources to meet requirements for the review of new and modified stationary sources (NSR) and for the Prevention of Significant Deterioration (PSD), under the provisions of the federal Clean Air Act; and requirements for NSR under the provisions of the California Clean Air Act. The intent of this Rule is to ensure that the most stringent requirements of these programs shall be applied.

This Rule shall apply to all new stationary sources and all modifications to existing stationary sources which, after construction or modification, emit or have the potential to emit any affected pollutants. Thus, the proposed project is subject to the requirements of Rule 207.

## Federal Best Available Control Technology (BACT) Analysis

Pursuant to Section 4.1.1, an applicant shall apply Best Available Control Technology (BACT) to a new stationary source or modification of an existing source, which has the potential to emit greater than or equal to any one of the affected pollutant levels listed in Table 4.1.1 or a modification of an existing stationary source which has the potential to result in a new emissions increase, as defined in Section 2.37, occurring after October 20, 2010 for  $PM_{2.5}$  or after August 19, 1983 for  $PM_{10}$  or after July 15, 1976 for any other affected pollutant.

Table 4 shows the emissions from the proposed project, the facility-wide new emissions and the Federal BACT thresholds of Table 4.1.1.

Permit No.	NO <sub>x</sub> (lb/day)	VOC (lb/day)	CO (lb/day)	SO <sub>x</sub> (lb/day)	PM (lb/day)	PM <sub>10</sub> (lb/day)	PM <sub>2.5</sub> (lb/day)	
APP-23-00124 Emg. IC Engine (2023)	18.77	0.84	4.19	0.03	0.56	0.54	0.52	
Total	18.77	0.84	4.19	0.03	0.56	0.54	0.52	
Federal Threshold	150	150	550	150	150	82	54.79	

#### Table 4. Federal New Emission Increase – BACT Determination

Table 4 demonstrates that the facility does not exceed Federal BACT thresholds for any of the criteria pollutants.

Gallery Plastic Surgery Engineering Evaluation APP-23-00124 Page 5 of 20

Note: The proposed Tier-3 engine meets current MBARD BACT standards for emergency engines. As outlined in MBARD's Clarification of Permit Requirements for Non-Agriculture Diesel Engines, January 24, 2023, Table 1, summarized below in Table 5.

Engine Rating/Size	PM	$NO_x + NMHC$	СО
$100 \le \text{HP} < 175$	0.15 g/bhp-hr, or	3.0 g/bhp-hr, or	3.7 g/bhp-hr, or
	0.20 g/kW-hr	4.0 g/kW-hr	5.0 g/kW-hr
APP-23-00124	0.08 g/bhp-hr	2.81 g/bhp-hr	0.60 g/bhp-hr
Emg IC Eng			
132 HP			

Table 5. BACT Guidelines For Stationary Emergency Engines At Non-Major Sources

#### California BACT Analysis

Pursuant to Section 5.2, BACT shall be required for any new or modified permit unit with a potential to emit 25 pounds per day or more of VOCs or  $NO_x$ .

#### Table 6. California BACT determination.

Pollutant	BACT threshold (lb/day)	Project emissions (lb/day)	BACT Applicability
NO <sub>x</sub>	25	18.77	Does Not Trigger BACT
VOC	25	0.84	Does Not Trigger BACT

Table 6 demonstrates that the facility does not exceed the California BACT thresholds for any of the criteria pollutants.

Note: The proposed Tier-3 engine meets current MBARD BACT standards for emergency engines, as referenced in the Federal BACT discussion above.

#### Federal & California Stationary Source Offsets Analysis

Pursuant to Rule 207 Section 1.3.3, emergency internal combustion engine emissions are not subject to offset thresholds and the emissions are not included in the facility's net emission increase or accumulation.

In addition, Section 1.3.4 of MBARD Rule 207 states the following "the requirements to conduct Visibility, Soils and Vegetation Analysis, provide offsets, and conduct an Air Quality Increment Analysis of this Rule shall not apply to any Stationary Source that has emissions less than 10 tons/year of each individual criteria pollutants." As summarized in Table 3, the facility is below the 10 ton/year threshold for each criteria pollutant.

#### MBARD Rule 207 - Review of New of Modified Sources (as adopted on 2/15/2017)

Note that MBARD has not received approval for the 2/15/2017 version of Rule 207 and is implementing Rule 207 as adopted on 4/20/2011. For informational purposes only, the Rule applicability of Rule 207 as adopted on 2/15/2017 is as follows:

The purpose of this Rule is to provide for the review of new and modified stationary air pollution sources to meet the New Source Review requirements under the provisions of the California Clean Air Act. This

Rule provides mechanisms by which Authorities to Construct may be granted to such sources without interfering with the attainment or maintenance of California ambient air quality standards. Each project subject to New Source Review shall undergo a review under the federal requirements contained within Rule 220 and Rule 221, and a parallel review under the requirements of this Rule and the most stringent applicable provisions shall apply.

Rule 207 applies to all new stationary sources and all modifications to existing stationary sources, which after construction or modification, emit or have the potential to emit any affected pollutants. This project is subject to the requirements of this Rule.

#### Best Available Control Technology (BACT) requirements

Pursuant to Section 4.1.1, BACT shall be required for any new or modified permit unit with a potential to emit 25 pounds per day or more of VOCs or NO<sub>x</sub>.

#### Table 7. Permit Unit BACT Determination

Pollutant	BACT threshold (lb/day)	Project emissions (lb/day)	Compliance
NO <sub>x</sub>	25	18.77	Does Not Trigger BACT
VOC	25	0.84	Does Not Trigger BACT

As shown in Table 7, the proposed project does not exceed the BACT thresholds of Section 4.1.1 for any of the criteria pollutants.

Note: The proposed Tier-3 engine meets current MBARD BACT standards for emergency engines. As outlined in MBARD's Clarification of Permit Requirements for Non-Agriculture Diesel Engines, January 24, 2023, Table 1, summarized above in Table 5.

Pursuant to Section 4.1.2, BACT shall be required for a new or modified stationary source which has the potential to emit greater than or equal to any one of the affected pollutant levels listed in Table 4.1.1.

Permit No.	NO <sub>x</sub> (lb/day)	VOC (lb/day)	CO (lb/day)	SO <sub>x</sub> (lb/day)	PM (lb/day)	PM <sub>10</sub> (lb/day)	PM <sub>2.5</sub> (lb/day)
APP-23-00124 Emg. IC Engine	18.77	0.84	4.19	0.03	0.56	0.54	0.52
Total	18.77	0.84	4.19	0.03	0.56	0.54	0.52
BACT Threshold	150	150	550	150	150	82	54.79

#### Table 8. Facility-Wide BACT Determination

Table 8 shows the facility-wide emissions do not exceed the BACT thresholds of Section 4.1.2 for any of the criteria pollutants.

Note: The proposed Tier-3 engine meets current MBARD BACT standards for emergency engines, as referenced in BACT thresholds of Section 4.1.1 discussion above.

#### Gallery Plastic Surgery Engineering Evaluation APP-23-00124 Page 7 of 20

#### Stationary Source Offsets

Pursuant to Rule 207 Section 1.3.3, emergency internal combustion engine emissions are not subject to offset thresholds and the emissions are not included in the facility's net emission increase or accumulation. In addition, Section 1.3.4 of MBARD Rule 207 states the following "the requirements to conduct Visibility, Soils and Vegetation Analysis, provide offsets, and conduct an Air Quality Increment Analysis of this Rule shall not apply to any Stationary Source that has emissions less than 10 tons/year of each individual criteria pollutants."

#### Rule 207 Parallel Stringency Review

After reviewing the two different versions of Rule 207, the project is in compliance with all the requirements of the Rule as adopted on 4/20/2011 and amended on 2/15/2017.

#### MBARD Rule 218 - Title V: Federal Operating Permits

Title V is not applicable to the unit since this rule only applies to a stationary source which has the potential to emit (PTE) air contaminants equal to or in excess of the threshold for a major source of regulated air pollutants (100 tons/yr) or a major source of hazardous air pollutants (25 tons/yr combination HAPS or 10 tons/yr single HAP). Table 9 shows facility wide emissions that do not exceed these thresholds.

Application No.	NOx (ton/yr)	VOC (ton/yr)	CO (ton/yr)	SOx (ton/yr)	PM (ton/yr)	PM <sub>2.5</sub> (ton/yr)	PM <sub>10</sub> (ton/yr)
APP-23-00124	0.196	0.009	0.044	0.0003	0.006	0.005	0.006
Total	0.196	0.009	0.044	0.0003	0.006	0.005	0.006

#### Table 9 – Facility-wide annual emissions

#### MBARD Rule 221 - Federal Prevention of Significant Deterioration

The proposed project does not meet the definition of a new major stationary source, or a major modification to an existing stationary source. Since the Prevention of Significant Deterioration (PSD) program only applies to new major stationary sources, or major modification to stationary sources, this project is not subject to Rule 221.

#### MBARD Rule 222 - Minor New Source Review

Compliance with the New Source Review (NSR) provisions of the California Clean Air Act, as defined in MBARD Rule 207, ensures compliance with MBARD Rule 222, Federal Minor NSR.

#### MBARD Rule 300 - Fees

According to the MBARD Fee Determination Protocol, affirmed by the Board in 2023, fees for an emergency diesel fueled internal combustion engine will be assessed in the fee code category of 202. Table 10 shows the PTE emissions for the diesel fueled internal combustion engine and fee category.

#### Gallery Plastic Surgery Engineering Evaluation APP-23-00124 Page 8 of 20

Pollutant	Yearly Emissions <sup>1</sup> (ton/yr)
NOx	0.196
VOC	0.009
СО	0.044
SOx	0.0003
PM	0.006
PTE Emissions (tons/yr)	0.26
Fee Category	202

#### Table 10. PTE For Emergency Diesel Fuel Internal Combustion Engine

<sup>1</sup>Based on 500 hours per year of max operation for emergency engines, U.S.EPA Memo 9/6/2005.

#### MBARD Rule 400 – Visible Emissions:

The purpose of this Rule is to provide limits for the visible emissions from sources within MBARD. The provisions of this Rule shall apply to all sources of air pollutant emissions in the MBARD.

According to MBARD Rule 400 Section 3.1, no air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark or darker than Ringelmann 1, or equivalent 20% opacity.

#### MBARD Rule 402 – Nuisance:

The purpose of this Rule is to provide an explicit prohibition against sources creating public nuisances while operating within the MBARD. The provisions of this Rule shall apply to all sources of air pollutant emissions within the Air MBARD.

According to MBARD Rule 402, Part 3, no person shall discharge from any source whatsoever such quantities of air contaminants or other materials which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public; or which endanger the comfort, repose, health, or safety of any such persons or the public; or which cause, or have a natural tendency to cause, injury or damage to business or property. This requirement will be included as a permit condition.

#### District Rule 403 - Particulate Matter:

The purpose of this Rule is to provide particulate matter emission limits for sources operating within the district. The provisions of this Rule shall apply to any source discharging particulate matter while operating within the Air District. Per Section 1.3., stationary internal combustion engines are exempt from the requirements of this Rule.

#### District Rule 404 - Sulfur Compounds & Nitrogen Oxides

The purpose of this Rule is to provide limits for the emissions of sulfur compounds, nitrogen oxides and nitrogen dioxide from sources within the district. The provisions of this Rule shall apply to sources of sulfur compounds, nitrogen oxides, and nitrogen dioxide subject to District Rule 200 *Permits Required*.

Section 3.1 prohibits any single emission unit from exceeding the following concentration or amount at the

Gallery Plastic Surgery Engineering Evaluation APP-23-00124 Page 9 of 20

point of discharge to the atmosphere:

- Sulfur compounds, calculated as sulfur dioxide, 0.2% by volume (2,000 ppmv), and

Compliance with the 0.2% by volume (2,000 ppmv) limit for SO<sub>2</sub> for the engine is assured based on the SO<sub>2</sub> emissions of 0.000125 lb/hr. See calculation below:

$$SO_2(ppm) = \frac{lbSO_2}{hr} \div \left(\frac{DSCFM, ft^3}{hr} \times \frac{MV_{SO2}, lb}{lbmole} \times \frac{lbmole}{385ft^3}\right) \times 10^6$$

 $SO_{2}(ppm) = \frac{0.000125 \ lb}{hr} \div \left(\frac{33600 \ ft^{3}}{hr} x \frac{64 \ lb}{lbmole} x \frac{64 \ lb}{385 \ ft^{3}}\right) x 10^{6} = 0.0223 \ ppm$ 

- Nitrogen oxides, calculated as nitrogen dioxide (NO<sub>2</sub>), 140 pounds per hour.

As shown in Table 3 the hourly NO<sub>x</sub> emission rate for the engine is 0.78 lb/hr [(18.77 lb/day)  $\div$  (24 hr/day) = 0.78 lb/hr], which is well below the 140 lb/hr limit.

#### MBARD Rule 412 – Sulfur Content of Fuels

According to MBARD Rule 412 Part 3, no liquid fuel shall be burned unless the sulfur content is less than 0.5 percent by weight. Pursuant to MBARD Rule 1010, the diesel-fueled engine must only use CARB diesel fuel. The sulfur content in CARB diesel fuel is limited to 15 ppm (0.0015% by weight) and will ensure compliance with the sulfur content of this Section. The sulfur content of the CARB diesel fuel will meet the requirements of this rule.

#### MBARD Rule 436 - Title V: General Prohibitory Rule

The purpose of this Rule is to provide federally enforceable potential to emit limitations limiting emissions below the thresholds requiring federal Title V operating permits under Rule 218.

Application No.	NOx (ton/yr)	VOC (ton/yr)	CO (ton/yr)	SOx (ton/yr)	PM (ton/yr)	PM <sub>2.5</sub> (ton/yr)	PM <sub>10</sub> (ton/yr)
APP-23-00124	0.196	0.009	0.044	0.0003	0.006	0.005	0.006
Total	0.196	0.009	0.044	0.0003	0.006	0.005	0.006

Table 11. Facility PTE emissions (tons per year)

The General Applicability of this Rule shall apply to any stationary source which would, if it did not comply with the limitations set forth in this rule, have the potential to emit air contaminants equal to or in excess of the threshold for a major source of regulated air pollutants or a major source of hazardous air pollutants (HAPs) and which meets one of the following conditions:

## Title V is not applicable because this rule only applies to a stationary source which has the potential to emit air contaminants equal to or in excess of:

- 100 tons/year of criteria pollutants, or
- 25 tons/year of combined hazardous air pollutants combination, or
- 10 tons/year for any single HAP.

Gallery Plastic Surgery Engineering Evaluation APP-23-00124 Page 10 of 20

Table 11 shows that the annual potential emissions are below the applicability thresholds.

# Pursuant to Rule 436 Section 1.2 and 3.1 the facility is exempt from Title V permitting process because it is expected that the actual emissions, will not exceed, in every 12-month period the following:

- 50 tons per year for regulated (criteria) pollutants.
- 5 tons single Hazardous Air Pollutant (HAP) per year
- 12.5 tons per year of any combination of HAPs per year, or
- 50% of any lesser threshold for a single HAP as the EPA may establish.

Table 11 shows that the annual potential emissions are below the applicability thresholds.

## Pursuant to Section 1.3.2.1, allows an exemption from Title V Record keeping requirements of Part 4 if actual emissions do not have the potential to exceed in every 12-month period the following limits:

- 5 tons per year for a regulated (criteria) pollutant
- 2 tons single Hazardous Air Pollutant (HAP) per year
- 5 tons per year of any combination of HAPs per year, or
- 20% of any lesser threshold for a single HAP as the EPA may establish.

Table 11 shows the annual potential emissions are below the applicability thresholds. The facility is entitled to the exemption from reporting requirements of Rule 436 Part 4.

Furthermore, the facility is entitled to the exemption from Reporting Requirements of Rule 436 Part 5, pursuant to Section 5.2. Section 5.2 allows an exemption from Title V reporting requirements, if actual emissions, based on annual renewal information sheets, will not exceed in every 12-month period the following quantities:

- 25 tons per year including a regulated air pollutant for which the MBARD has a federal area designation of attainment, unclassified transitional, or moderate nonattainment
- 15 tons per year for regulated (criteria) pollutants for which the MBARD has federal area designation of serious nonattainment.
- 6.25 tons per year for regulated (criteria) pollutants for which the MBARD has federal area designation of severe nonattainment.
- 2.5 tons per year of a single HAP
- 6.25 tons per year of any combination of HAPs
- 25% of any lesser threshold for a single HAP as the U.S. EPA may establish.

As shown in Table 11, the facility is entitled to the exemption from reporting requirements of Rule 436 Part 5.

#### Rule 1000 - Toxic Air Contaminants:

This Rule applies to any new or modified stationary sources for which an Authority to Construct or a Permit to Operate is required pursuant to MBARD Regulation II - Permits, and which has the potential to emit into the atmosphere any TAC (Toxic Air Contaminant). Whenever a potential TAC may be subject to more than

Gallery Plastic Surgery Engineering Evaluation APP-23-00124 Page 11 of 20

one MBARD Rule, or to more than one requirement in this rule, the requirement resulting in the least hazard to the public, as determined by the Air Pollution Control Officer, shall apply.

MBARD Rule 1000 Part 3 requires new or modified sources of toxic air contaminants (TAC) and carcinogenic toxic air contaminants (CATC) to meet the following:

- 3.1.1 The acute hazard index for any target organ or organ system due to TAC emissions from the new or modified permit unit shall not exceed 1.0 at any receptor location;
- 3.1.2 The chronic hazard index for any target organ or organ system due to TAC emissions from the new or modified permit unit shall not exceed 1.0 at any receptor location;
- 3.1.3 The cancer risk due to TAC emissions from the new or modified permit unit shall not exceed 10 in one million at any receptor location.

Combustion of diesel fuel results in the emissions of toxic air contaminants (TAC). However, pursuant to Section 1.3 of this Rule, the provisions of this Rule shall not apply to any Source Category that has an existing State Air Toxics Control Measure (ATCM). Since the proposed diesel-powered engine generator set is subject to the ATCM for Stationary Compression Ignition Engines, the project is exempt from Rule 1000.

Nonetheless, due to the toxicity nature of diesel PM, the emergency diesel engine may be subject to the requirements of AB2588, Air Toxic "Hots Spots" Information and Assessment Act of 1987. Section 3.1 allows the use of the current California Air Pollution Control Officers Association Prioritization Guidelines in lieu of a risk assessment. Thus, a prioritization assessment was conducted for informational purposes, using 50 hours per year of operations, not actual annual hours of operation. The nearest receptor is located 24.5 meters away from the source. As shown in Table 12, the emergency diesel engine prioritization scores for the acute and chronic health effects are less than 1 and for the cancer health effects is greater than one but less than 10. Therefore, for AB2588 purposes, the engine will be categorized as Intermediate.

Acute	0.00
Chronic	0.70
Cancer	2.69

Table 12. Prioritization Scores

#### Rule 1010 - Air Toxic Control Measure for Stationary Compression Ignition Engines:

The purpose of this rule is to reduce diesel particulate matter (PM) from stationary diesel-fueled compression ignition (CI) engines and consistent with California Health and Safety Code Section 39666(d) is a replacement rule for 17 California Code of Regulations Section 93115, Airborne Toxic Control Measure for Stationary Compression Ignition Engines.

Except as provided in Section 1.3, this Rule applies to any person who sells a stationary CI engine, offers a stationary CI engine for sale, leases a stationary CI engine, or purchases a stationary CI engine for use, unless such engine is: a portable CI engine, a CI engine used to provide motive power, an auxiliary CI engine used on a marine vessel, or an agricultural wind machine. Per section 1.2.2 the Rule applies to any person who owns or operates a stationary CI engine in the MBARD with a rated brake horsepower greater than 50 (>50 bhp).

## Fuel and Fuel Additive Requirements

Pursuant to Section 3.1, no owner or operator of any stationary diesel-fueled CI engine shall add to the engine, or any fuel tank directly attached to the engine any fuel unless the fuel is one of the following:

- CARB Diesel Fuel; or
- An alternative diesel fuel that is:
  - biodiesel;
  - a biodiesel blend that does not meet the definition of CARB Diesel Fuel.
  - a Fischer-Tropsch fuel; or
  - an emulsion of water in diesel fuel; or
- Any alternative diesel fuel that is not identified in Subsection 3.1.2 above and meets the requirements of the Verification Procedure; or
- An alternative fuel; or
- CARB Diesel Fuel used with fuel additives that meets the requirements of the Verification Procedure; or
- Any combination of the above fuels.

## *Emergency Standby Diesel-Fueled CI Engines (>50 HP) – Diesel PM Standard*

Pursuant to Section 3.2.1.3.1, the emissions from the new stationary emergency standby diesel-fueled engine shall be less than or equal to 0.15 g/bhp-hr; or meet the diesel PM standard, as specified in the Federal Standards of Performance for Stationary Compression Ignition Internal Combustion Engines with the same maximum rated power (40 CFR Part 60, Subpart IIII), in effect on the date of acquisition or submittal, as defined in Section 2.15 whichever is more stringent. The proposed engine is a Tier 3 unit and meets the requirements of this Section.

#### New Emergency Standby Diesel Engine At-School and Near-School Provisions

Pursuant to Section 3.2.1.1, no owner or operator shall operate a new stationary emergency diesel engine for non-emergency use (including maintenance and testing) with emissions of greater than 0.01 g/hph-hr of diesel PM during the following periods:

- Whenever there is a school sponsored activity, if the engine is located on school grounds, and
- Between 7:30 a.m. and 3:30 p.m. on days when school is in session, if the engine is located within 500 feet of school grounds.

Since the engine is located within 675 feet from San Carlos, the facility is not subject to the requirements of Section 3.2.1.1.

#### <u>Emergency Standby Diesel-Fueled CI Engines (>50 HP) – Maintenance & Testing: Hours of Operation</u>

Pursuant to Section 3.2.1.3.1.1.3, the new engines shall not operate more than 50 hours per year for maintenance and testing purposes. This subsection does not limit operation for emergency use and for emission testing to show compliance with Subsection 3.2.1.3. A permit condition will be added to meet this requirement.

#### Record-keeping Requirements

MBARD Rule 1010 Section 4.1.5 requires a non-resettable hour meter to be installed with a minimum display capacity of 9,999 hours. Furthermore, MBARD Rule 1010 Section 4.1.7 requires the monthly reporting of the following:

- Emergency use hours of operation;
- Maintenance and testing hours of operation;
- Hours of operation for emission testing to show compliance with Section 3.2.1
- Initial start-up testing hours; and,
- Fuel used.

Lastly, pursuant to MBARD Rule 1010 Section 4.1.7.2, the owner or operator of the diesel engine must retain records for a minimum of 36 months and maintain on-site records for the prior 24 months. Records from the prior 25 to 36 months must be made available to MBARD staff within 5 working days from request.

#### <u>40 CFR Part 63, Subpart ZZZZ, NESHAP, National Emission Standards for Hazardous Air Pollutants for</u> <u>Stationary Reciprocating Internal Combustion Engines</u>

Subpart ZZZZ establishes national emission limitations and operating limitations for hazardous air pollutants (HAP) emitted from stationary reciprocating internal combustion engines (RICE) located at major and area sources of HAP emissions. An area source of HAP is defined as a plant site that emits or has the potential to emit any single HAP at a rate of less than 10 tons per year or any combination of HAPs at a rate of less than 25 tons per year. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and operating limitations.

Pursuant to Section §636590(a)(2)(iii), an affected source includes new stationary RICEs located at an area source of HAP emissions. This unit is considered a new stationary RICE at an area source of HAP since construction commenced after June 12, 2006.

As an affected source, pursuant to §63.6590(c) & §63.6590(c)(1), any new or reconstructed stationary Rice located at an area source must meet the requirements of this part by meeting the requirements of 40 CFR Part 60 Subpart IIII, NSPS for compression ignition engines and no further requirements apply for such engines under this part. Therefore, the facility will comply with NESHAP ZZZZ by complying with NSPS IIII, as outlined in the next section below.

#### <u>40 CFR Part 60, Subpart IIII, NSPS, Standards of Performance for Stationary Compression Ignition Internal</u> <u>Combustion Engines</u>

Per Section §60.4200 (a)(2) & 60.4200 (a)(3), Subpart IIII applies to owners and operators of stationary CI ICE that commenced construction after July 11, 2005, and manufactured after April 1, 2006, and are not fire pumps. Per Section §60.4205(b), owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in §60.4202.

For engines with a rated power greater than or equal to 37 KW (50 HP), the Tier 2 or Tier 3 emission standards for new nonroad CI engines for the same rated power as described in 40 CFR part 1039, appendix

I, for all pollutants and the smoke standards as specified in 40 CFR 1039.105 beginning in model year 2007. The proposed engine is rated at 80 kW, meets Tier 3 emission standards and complies with the requirements of 40 CFR Part 60, Subpart IIII. Table 13 shows the comparison of Table 3 of Appendix I to Part 1039(c) standards and the proposed engine emissions from manufacturer specifications.

Pollutant	lutant Emission Standards (g/kW-hr) Engine Emissions (g/kW-hr)		Compliance	
$NMHC + NO_x$	4.70	3.77	Yes	
CO	5.00	0.8	Yes	
PM	0.30	0.08	Yes	

Table 13. Standards for Engines Rated  $75 \le kW \le 130$  for Tier 3

As shown in Table 13, the emergency diesel engine meets the emissions requirement of this section.

## Compliance Requirements

Section §60.4211(a) requires operating and maintaining the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions and only changing those emission-related settings that the manufacturer permits; and to meet the requirements of 40 CFR part 1068, as applied to the engine subject to the evaluation.

Section §60.4211(c) requires the engine must be installed and configured according to the manufacturer's emission-related specifications. The owner has agreed to install, configure and operate the unit in compliance with §60.4211(a) and (c). Compliance requirements will be included as a permit condition.

Pursuant to Section 60.4211(g), if the owner or operator does not install, configure, operate, and maintain the engine and control device according to the manufacturer's emission related written instructions, or changes emission-related settings in a way that is not permitted by the manufacturer, the legal owner or operator must demonstrate compliance according to the provisions of 60.4211(g)(2) as the engine is rated as 132 HP.

NOTE: Such an action described above would constitute a permit modification per the requirements of MBARD Rule 207 - Sections 1.2 & 2.33.1, Rule 1000 - Sections 1.2 & 2.9 and would require a demonstration of compliance with Rule 1010 - Section 3.3. Hence, the requirements and allowances of Section §60.4211(g) cannot be incorporated into the permit at this time.

For informational purposes only, should the facility submit an application for a permit modification to reevaluate the project for the change in method of operation, revisions to the potential to emit, and compliance with Rules 1000 & 1010, and MBARD is able to make the appropriate findings, an ATC could be issued with the following requirements of §60.4211(g) for the respective sized engine listed below:

For engines greater than 100 HP and less than or equal to 500 HP,

- must keep a maintenance plan and records of conducted maintenance.
- maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions.
- conduct an initial performance test to demonstrate compliance with the applicable emission

standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer.

Should §60.4211(g) need to be taken into consideration at a future date, the initial performance would be required within 180 days (6 months), to align with MBARD's Source Testing Protocol.

Compliance requirements will be included as a permit condition.

## Fuel Requirements

Per Section §60.4207, beginning October 1, 2010, owners and operators of stationary CI ICE subject to subpart IIII, with a displacement of less than 30 liters per cylinder that use diesel fuel, must use diesel fuel that meets the requirements of 40 CFR 1090.305 except as specified in Section §1090.3009 (a). Requirements: the maximum sulfur content of 15 ppm and must meet one of the following standards a minimum cetane index of 40 or maximum aromatic content of 35% by volume.

The use of diesel that meets California Air Resources Board (CARB) specification, or the alternative diesel fuel specifications as defined in MBARD Rule 1010 will comply with the fuel requirements of this section.

## Recordkeeping Requirements

Per Table 5 to subpart IIII, starting model year 2012, an engine rated greater or equal than 56 KW and less than 175 KW must comply with the requirements of Section § 60.4214(b) as follows: If the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time.

Recordkeeping requirements will be included as a permit condition.

## Health & Safety Code (H&SC) Section 42301.6 – Public Notification Requirements:

Pursuant to Section §42301.6(a), prior to approving an application for a permit to construct or modify a source that emits hazardous air emissions, and that source is located within 1,000 feet from the outer boundary of a school site, the air pollution control officer shall prepare a public notice in which the proposed project or modification for which the application for a permit is made is fully described.

The notice may be prepared whether or not the material is or would be subject to subdivision (a) of Section 25536, if the air pollution control officer determines and the administering agency concurs that hazardous air emissions of the material may result from an air release, as defined by Section 44303. The notice may be combined with any other notice on the project or permit that is required by law.

The district protocol adopted by the board on 11/14/01 specifies the risk thresholds for public notification. If the carcinogenic risk is in excess of 1 in a million, or non-carcinogenic risk is at or above the applicable reference exposure levels, the district will conduct a public notice.

Gallery Plastic Surgery Engineering Evaluation APP-23-00124 Page 16 of 20

The proposed engine is subject to this evaluation, as it is located within 1,000 feet of the outer boundary of a K through 12-grade school; therefore, the project is subject to the public notification requirements. Figure 1 shows the San Carlos School is located within 1000 feet of the engine location.

Lakes Environmental AERMOD was used to model the concentrations from the emergency diesel engine generator. The AERMOD concentration files were used in CARB's Air Dispersion Modelling Risk Tool (ADMRT). As shown in Figure 2, the adjacent buildings were included in AERMOD's Building downwash. The heights of the buildings with their number designations are:

- 1. Gallery Plastic Surgery center: 17'
- 2. Mahoney and associates commercial real estate. 26' max
- 3. U.S. Bank Branch 25' max
- 4. 555 Abrego St. building. 26' max

The receptors included a discrete cartesian set to cover the receptors around the engine.

Figure 1 – San Carlos School Within 1000 Feet Of Engine Location

#### Gallery Plastic Surgery Engineering Evaluation APP-23-00124 Page 17 of 20



Figure 2 – Buildings Included for Building Downwash In AERMOD.

Gallery Plastic Surgery Engineering Evaluation APP-23-00124 Page 18 of 20



Table 14 – Engine rated 132 HP modelling parameters.

8 - 8		
Source ID <sup>1</sup>	1	
Source type <sup>2</sup>	Point	
X Coordinate	599085.510	
Y Coordinate	4050826.661	
Base elevation <sup>3</sup>	18.930 ft	
Release height	7.66 ft	
Emissions rate <sup>4</sup>	1 g/sec	
Stack diameter	2 inches	
Gas exit flow rate	560 cfm	
Gas exit temperature	1040 °F	
Met station elevation <sup>5</sup> (Monterey)	50.3 meters	
Maximum 1-hr Concentration	1910.18960 ug/m <sup>3</sup>	
Maximum Period Concentration	116.10964 ug/m <sup>3</sup>	

<sup>1</sup> Source ID 1 used because AERMOD results will be loaded into CARB'S ADMRT tool where source ID will be identified as 1.

<sup>2</sup> Since the engine is equipped with a vertical exhaust, a point source was selected.

<sup>3</sup> Base elevation was uploaded automatically when running AERMAP on AERMOD.

<sup>4</sup> Emission rate set to 1 g/sec because AERMOD results will be loaded into CARB's ADMRT tool.

<sup>5</sup> Met elevation from CARB's HARP AERMOD Meteorological Files web page: <u>HARP AERMOD Meteorological Files</u> <u>California Air Resources Board</u>. Accessed on 3/28/2023.

The following options were selected when running the HARP2 risk assessment:

Gallery Plastic Surgery Engineering Evaluation APP-23-00124 Page 19 of 20

- Analysis type: cancer, chronic, and acute.
- Receptor type: individual resident
- Exposure duration: 30 years
- Intake rate percentile: OEHHA derived method
- Pathways to evaluate mandatory minimum pathways.

Table 12 shows the Health Risk Assessment (HRA) values of the proposed project for the surrounding exposure. The acute and chronic risks are below the MBARD's Rule 1000 threshold of 1.0.

The cancer risk is 1.68 in 1 million and it is below MBARD's Rule 1000 threshold of 10 in a million. Since it is within 1000ft of a school, per section §42301.6 of the Health and Safety Code, Public notification is required. MBARD will notify residents within 1000 feet of 400 Pearl Street, Monterey, and parents of children attending San Carlos School. The public notification files are saved on the permit file.

Risk	Receptor ID	x-coordinate	y-coordinate	Value	Rule 1000 compliant?
Acute Max HI	839	599035.51	4050826.66	0.000000	Yes
Chronic Max HI	839	599035.51	4050826.66	0.000389	Yes
Cancer Risk	839	599035.51	4050826.66	1.6857E-06	No

Table 12. Health Risk Assessment Results For School Receptor

## VI. CONCLUSIONS

The equipment has the capability to continue to comply with all applicable MBARD rules and regulations.

## VII. RECOMMENDATIONS

Issue Authority to Construct with the following additional conditions:

- 1. No later than twenty-four (24) hours prior to start-up of the equipment, Gallery Plastic Surgery shall notify the MBARD and arrange for an inspection of the equipment during normal operations to verify compliance with MBARD rules and regulations. [Basis: MBARD Rule 207]
- 2. Annual engine diesel fuel usage, emergency use hours of operation, and maintenance and testing hours of operation, shall be reported to MBARD, upon request. [Basis: MBARD Rule 207]
- 3. Except for maintenance and testing purposes, this equipment shall only be operated when the local utility powerline service fails. [Basis: MBARD Rule 1010]
- 4. The equipment shall be operated less than 50 hours per year for maintenance and testing purposes. [Basis: MBARD Rule 1010]
- 5. Gallery Plastic Surgery shall maintain a log, summarized monthly, to record the following:
  - a. Date of operation;
  - b. Start and end engine hour meter readings;
  - c. Emergency use hours of operation;

- d. Maintenance and testing hours of operation; and,
- e. Fuel usage, (gallons/month). If no fuel records are available, reported fuel usage can be based on a maximum fuel usage rate of 6.2 gallons per hour for this engine.

Records shall be retained for at least three years and made readily available to MBARD staff upon request. [Basis: MBARD Rule 1010 & 40 CFR 60, Subpart IIII § 60.4214(b)]

- The engine shall be equipped with a non-resettable meter which registers the total hours operated and shall be maintained in good working condition. [Basis: MBARD Rule 1010 & 40 CFR 60, Subpart IIII § 60.4214(b)]
- 7. The engine must be installed and configured according to the manufacturer's emission-related written instructions. [Basis: 40 CFR 60, Subpart IIII §60.4211(c)]
- 8. The engine shall be operated and maintained in accordance with manufacturer's emission-related written instructions. Maintenance records shall be retained with other required engine operational data as specified in Condition 5. [Basis: MBARD Rules 207 and 1010 & 40 CFR 60, Subpart IIII §60.4211(a)]
- 9. Operation of the engine that is not in accordance with the manufacturer's emission-related written instructions, or changes in the manufacturer's emission-related settings constitutes a modification of the permit and requires prior MBARD approval. [Basis: MBARD Rule 207 & 40 CFR 60, Subpart IIII §60.4211(g)]
- 10. The diesel fuel consumed shall meet California Air Resources Board (CARB) specification, or the alternative diesel fuel specifications as defined in MBARD Rule 1010. [Basis: MBARD Rule 1010]
- 11. The exhaust stack discharge shall be vertically configured and equipped without a stationary cap. [Basis: MBARD Rule1000].
- 12. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, an interruptible power contract, or base interruptible program. [Basis: MBARD Rule 1010]
- 13. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark or darker than Ringelmann 1, or equivalent 20 percent opacity. [Basis: MBARD Rule 400]
- 14. No emissions shall constitute a public nuisance. [Basis: MBARD Rule 402]