



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

September 18, 2012

Mr. Gerardo Rios (R9Airpermits_sc@epa.gov)
Chief, Permits Office
US EPA, Region IX- Air 3.
75 Hawthorne Blvd.
San Francisco, CA 94105

Subject: Title V Significant Permit Revision, East Los Angeles College, ID 13854

Dear Mr. Rios:

East Los Angeles College has proposed to revise their Title V permit under application no. 535864 by installing two emergency stand-by engines. This is community college (NAICS 22112) located at 1301 Avenida Cesar Chavez, Monterey Park, CA 91754-6099. This proposed permit revision is considered a "Significant Permit Revision" to their Title V permit. Attached for your review are the evaluation, section D of the Facility permit for the proposed revision and the public notice. With your receipt of the proposed Title V Permit Revision today, we will note that the EPA 45-day review period will begin on September 18, 2012. AQMD intends to publish a 30 day Title V Public Notice for this facility on September 21, 2012.

If you have any questions concerning these changes, please call the permit processing engineer Mr. Roy Olivares at (909) 396-2208.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Brian L. Yeh', is written over a faint, larger version of the same signature.

Brian L. Yeh
Senior Manager
Mechanical, Chemical and Public Services
Engineering and Compliance

BLY:AYL:JTY:rdo
Enclosure



South Coast Air Quality Management District

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NOTICE OF PROPOSED TITLE V SIGNIFICANT REVISION PERMIT

The South Coast Air Quality Management District (AQMD) is proposing to revise the existing Title V permit that was previously issued to the following facility:

East Los Angeles College
1301 Avenida Cesar Chavez.
Monterey Park, CA 91754-6099
Facility ID# 13854

Contact Person:

Tom Furukawa
V.P./ Admin. Services
1301 Avenida Cesar Chavez.
Monterey Park, CA 91754-6099

This is an existing facility applying for a significant revision for their Title V permit. The facility is a college proposing to install two new emergency engines that are subject to New Source Performance Standards (NSPS) 40 CFR 60 Subpart IIII and National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR 63 Subpart ZZZZ.

Pursuant to Title V of the federal Clean Air Act and AQMD Rule 3000(b)(31)(I), a facility with a Title V permit that proposes to install new equipment subject to a NSPS or NESHAP is considered a significant revision. Accordingly, the above facility has submitted a Title V significant revision application and requested the AQMD to revise their Title V permit. The proposed permit incorporates the addition of the two new emergency engines

The proposed permit is available for public review at AQMD, 21865 Copley Dr., Diamond Bar, CA 91765 and at the East Los Angeles Library, 4837 E. Third Street, Los

Angeles, CA 90022-1601. Information regarding the facility owner's compliance history submitted to the AQMD pursuant to California Health & Safety Code Section 42336, or otherwise known to the AQMD based on credible information, is also available from the AQMD for public review. For more information or to review additional supporting documents, call the AQMD's Title V hotline at (909) 396-3013. Written comments should be submitted to:

South Coast Air Quality Management District
Mechanical, Chemical, and Public Services Team
21865 Copley Drive
Diamond Bar, CA 91765
Attention: Roy Olivares

Comments must be received by October 22, 2012. The AQMD will consider all public comments and may revise the Title V permit in accordance with AQMD rules and regulations.

The public may request AQMD to conduct a public hearing on the proposed permit by submitting a Hearing Request Form (Form 500-G) to Brian Yeh at the above AQMD address. The AQMD will hold a public hearing if there is evidence that the proposed permit is not correct or is not adequate to ensure compliance with regulatory requirements, and a hearing will likely provide additional information that will affect the drafting and/or issuance of the permit. A public hearing request form and the public hearing schedule may be obtained from the AQMD by calling the Title V hotline at (909) 396-3013, or from the internet at <http://www.aqmd.gov/titlev>. The request for a public hearing is due by October 5, 2012. A copy of the hearing request must also be sent by first class mail to the appropriate facility contact person listed above.

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PERMIT TO CONSTRUCT/OPERATE

APPLICANT:

East Los Angeles College
1301 Avenida Cesar Chavez
Monterey Park, CA 91754-6099
Facility ID# 13854

EQUIPMENT LOCATION:

1301 Avenida Cesar Chavez
Monterey Park, CA 91754-6099

EQUIPMENT DESCRIPTION:

APPLICATION NO 534574

INTERNAL COMBUSTION ENGINE, LOCATED AT E7 DATA BLDG., CATERPILLAR, MODEL NO. C4.4, DIESEL-FUELED, FOUR CYLINDERS, FOUR CYCLE, TURBOCHARGED AND AFTERCOOLED, RATED AT 156.8 BHP, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

APPLICATION NO 534596

INTERNAL COMBUSTION ENGINE, LOCATED AT SHERIFF STATION, CATERPILLAR, MODEL NO. C4.4, DIESEL-FUELED, FOUR CYLINDERS, FOUR CYCLE, TURBOCHARGED AND AFTERCOOLED, RATED AT 156.8 BHP, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

APPLICATION NO 535864

TITLE V REVISION

PERMIT CONDITIONS

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

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2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 431.2 AND RULE 1470.
[RULE 1470, RULE 431.2]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.
[RULE 1110.2, RULE 1303 (a), 40 CFR 60.4211 (f)]
5. OPERATING BEYOND THE 50 HOURS PER YEAR ALLOTTED FOR MAINTENANCE AND TESTING PURPOSES SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1470]
6. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1110.2, RULE 1303 (b)(2), RULE 1470, 40 CFR 60.4209 (a)]
7. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1470]
8. SULFUR CONTENT OF DIESEL FUEL SUPPLIED TO THE ENGINE SHALL NOT EXCEED 15 PPM BY WEIGHT.
[RULE 431.2, 40 CFR 60.4207 (b)]
9. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED, DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND SPECIFIC REASON FOR OPERATION AS:
 - a. EMERGENCY USE.
 - b. MAINTENANCE AND TESTING.
 - c. OTHER (DESCRIBE THE REASON FOR OPERATING).
 - d. IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION.
[RULE 1303 (b)(2), RULE 1470, 40 CFR 60.4214 (b)]

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10. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG THE FOLLOWING:

THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND

THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.

THE ENGINE OPERATING LOG SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE CALENDAR YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR REPRESENTATIVE UPON REQUEST.

[RULE 1303 (b)(2)]

11. THE OPERATOR SHALL COMPLY WITH THE EMISSION STANDARDS SPECIFIED IN 40 CFR 60.4205(b) BY PURCHASING AN ENGINE CERTIFIED TO THE EMISSION STANDARDS IN 40 CFR 60.4205(b), AS APPLICABLE, FOR THE SAME MODEL YEAR AND MAXIMUM ENGINE POWER. THE ENGINE MUST BE INSTALLED AND CONFIGURED ACCORDING TO THE MANUFACTURER'S EMISSION RELATED SPECIFICATIONS.

[40 CFR 60.4211(c)]

12. THE OPERATOR SHALL OPERATE AND MAINTAIN THE STATIONARY ENGINE AND CONTROL DEVICE ACCORDING TO THE MANUFACTURER'S WRITTEN EMISSION-RELATED INSTRUCTIONS (OR PROCEDURES DEVELOPED BY THE OPERATOR THAT ARE APPROVED BY THE ENGINE MANUFACTURER), CHANGE ONLY THOSE EMISSION-RELATED SETTINGS THAT ARE PERMITTED BY THE MANUFACTURER, AND MEET THE REQUIREMENTS OF 40 CFR 89, 94 AND/OR 1068, AS THEY APPLY.

[40 CFR 60.4211(a)]

Emissions And Requirements:

13. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

PM: RULE 1470

NO_x+VOC: 3.0 G/BHP-HR, RULE 1303 (a), Rule 1701, 40 CFR 60.4205 (b)

CO: 3.7 G/BHP-HR, RULE Rule 1701, 40 CFR 60.4205 (b)

PM: 0.15 G/BHP-HR, RULE 1470

BACKGROUND:

These applications were filed as new construction. The engines will be used as diesel fueled emergency stand-by ICE driving an emergency electrical generator. The proposed engines are certified by the District, ref a/n 482670. One engine will be located at E7 data building and the second engine at the Sheriff station.

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In the Facility Permit ID# 13854, additions are requested to Section D by the addition of two emergency diesel fueled ICEs. Attached is a draft of Section D in the Facility Permit affected by this addition. The applicant removed two boilers from service, D10248 and D10249 (will be removed from the facility permit)

This Title V modification is considered as a "Significant Permit Revision" to the Title V permit per Rule 3000 (b)(31)(I)

The proposed engine to be located at the sheriff station is located 800 feet from Brightwood Elementary School and is subject to Rule 212 public notice.

COMPLIANCE HISTORY

There has been four compliance actions with this facility for the past two years (09/05/2010-05/05/2012).

NC or NOV	Action	Disposition
NC	Contact AQMD for CARB registration inspection	Closed case
NOV	Submit from 500-SAM with incorrect dates	open
NOV	Submit from 500-SAM with incorrect dates	Closed case
NC	Demonstrate compliance with exemption on boiler	Closed case

Permitting since the Title V permit was renewed since 10/2011, ref a/n 494059

Item	A/n	30 day ave-lb/dy				
		NOx	ROG	CO	SOx	PM10
title v revision	528674	+0	+0.03	+0	+0	+0
title v revision	535864	+0.24	+0.02	+0.105	+0	+0.08
Change in emissions	0	+0.24	+0.05	+0.105	+0	+0.08

CALCULATIONS

1. Permit processing Emissions calculation methodology

A. Emissions calculations

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Determine emissions from NO_x, CO, ROG and PM

$$R1(LB / HR) = \frac{hp \times gr / bhp - hr}{454 gr / lb}$$

Note R1=R2

Note, PM10 =0.96 PM (ref PM10 combustion values for various operations, ref District factors)

Determine emissions from SOX

$$R1(LB / HR) = \frac{EF \times GAL USAGE}{1 \times 10^3}$$

Note R1 = R2

Where EF equal lb/MGAL (ref SCAQMD emissions fee form B-3)

Note, if applicant provide SO_x in terms of g/bhp-hr, use previous formula

$$R2(LB / HR) = R1 \times ((100 - eff) / 100)$$

Does not apply

Minimum control efficiency is 85%, per control system specs

For this project assume not CO and VOC reduction, only PM reduction

- B. Requirements for BACT, Rule 1303 (a) and Rule 1470 (PM)

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	Units	VOC+NO _x	CO	PM ₁₀
Actual	g/bHP-hr	2.7500	0.9700	0.1300
Required		3	3.7	0.15
Compliance		Yes	Yes	Yes
Rule		1303 (a)	1303 (a)	Rule 1470

LAER does not apply for PM emissions, the max daily PM emissions are less than one pound per day

$$PM_{10} = 0.04 \text{ lb/hr} * 24 \text{ hr/dy} = 0.96 \text{ lb/dy}$$

$$\text{Note, VOC} + \text{NO}_x = 0.14 + 2.61 = 2.75 \text{ g/bhp-hr}$$

See emissions data sheet from A/N 482670 (certified engine)

4. EMISSIONS CALCULATIONS PER ENGINE

	R1-lb/hr	R1-lb/dy	R2-30 dy av	R2-lb/yr
NO _x	0.92	0.92	0.12	46
ROG	0.05	0.05	0.007	2.46
CO	0.34	0.34	0.05	17
SO _x	0.0017	0.0017	0.0002	0.0860
PM	0.04000	0.04	0.0053	2.00
PM10	0.03840	0.04	0.0051	1.92

See attachment for detailed calculations (emissions based on 1 hr/dy, 1 dy/wk, 50 wk/yr engine testing)

RULES EVALUATION:

Rule 212 One of the two engines is located within 1,000 feet of a school, thus public notice applies, see table below. The emissions from the emergency stand by ICE will not exceed the daily maximum specified in subdivision (g) of this Rule.

Application no	Equipment located beyond 1000 feet of a school	Public notice required
534596	no	yes

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534574	Yes	no
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Section (c)(3)(A)(i)

Pollutant	MICR per engine	Threshold	Public Notice required
ICE	4.42E-07	1.0e-06	No

Section (c)(2)

Pollutant	Net increase in emissions lb/dy	Allowed limit-lb/dy	Trigger Public Notice
NO _x	+0.24	40	No
ROG	+0.014	30	No
CO	+0.10	220	No
PM10	+0.01	30	No
SO _x	+0	60	NO

Rule 401 :The equipment is not expected to emit visible emissions.

Rule 402 :The equipment is not expected to emit odorous emissions.

Rule 404 :Grain loading from the engine expected to comply.

Rule 431.2 :Per section (c)(e)(2) require the fuel oil purchased to have a sulfur content of less than 15 ppmw, expected to comply with this Rule .

Rule 1110.2 :Exempt per section (h)(2).

Reg. XIII Compliance with the following sections is anticipated.

1303 (a)-BACT- Emissions meet Tier 3 BACT limits for NO_x, VOC and CO. This is a Title V facility and is subject to LAER, but the PM10 emissions maximum daily emissions are below one pound per day, thus LAER analysis is not triggered

Item	HP	NO _x +VOC	CO	PM10
		Gr/bhp-hr	Gr/bhp-hr	Gr/bhp-hr
BACT		3.0	3.7	0.22
Engine	156.	2.61	0.97	0.13

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Compliance		Yes	Yes	yes

Note, Rule 1470 requires a PM limit of 0.15 g/bhp-hr

1303 (b)(1)-The engines are exempt from modeling for being emergency equipment, per 1304 (a)(4)

1303 (b)(2)- The engines are exempt from offsets for being emergency equipment, per 1304 (a)(4). The college is Essential Public Service (EPS) per Rule 1302 (m)(6) and use the Rule 1309.1(a)(3) exemption for offsets purposes.

RULE 1401-Engines are exempt per section (g)(1)(F), does not apply for stand-by generators exempt per Reg 1304. The MICR was conducted for Rule 212 and the MICR was below one in one million, see attachment A for details.

RULE 1470 – REQUIREMENTS FOR STATIONARY DIESEL-FUELED INTERNAL COMBUSTION AND OTHER COMPRESSION IGNITION ENGINES

PAR 1470 was adopted by the AQMD's Governing Board on May 4, 2012.

1470 (b)(47)-New CI engine installed after 2005.

1470 (b)(60)-Sensitive Receptor, the equipment is located a college

1470 (c)(1)-Requires ultra low sulfur be used in this equipment 1/2006, but Rule 431.2 requires the use of this fuel at this time.

1470 (c)(2)(C)(i)-Limit the testing to no more than 50 hours per year.

1470 (c)(2)(C)(iii)- PM emissions less than 0.15 g/bhp-hr, see emissions data sheet (AQMD data base ref a/n 482670, copy in file).

1470 (c)(2)(C)(iv)(I)- the engine is at a sensitive receptor (prison), but the application was deemed complete prior to 1/1/2013, this section does not apply.

1470 (c)(2)(C)(vii)(Table 2)-The equipment does comply,

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	Units	VOC+NO _x	CO
Actual	g/bHP-hr	2.7500	0.9700
Required		3	3.7
Compliance		Yes	Yes

1470 (d)(7)(A)-Require time meter to be installed

1470 (d)(9)(A)- Require record keeping conditions

RULE 1472- The applicant does not operate three or more em-ice (excluding fire pumps) within 150 meters of each other, thus the Rule does not apply

RULE XVII-Prevention of Significant Deterioration

1701 (b)(1)- The engines comply with the BACT requirements for CO and NO_x,

	Units	VOC+NO _x	CO
Actual	g/bHP-hr	2.7500	0.9700
Required		3	3.7
Compliance		Yes	Yes

1701 (b)(2)(A)- The emissions increase are well below the threshold limits of this Rule (permit condition limits annual operating hours to 200 hours per year).

1714 (b)(2)(A) The annual criteria emissions are well below the threshold limits of this Rule, thus GHG emission are well below the threshold limits and does not apply

Regulation XXX

This facility (id 13854) is included in Phase Two of the Title V universe. Therefore proposed equipment is expected to comply with the following sections:

Rule 3000 (b)(31)(i) does apply based on the following

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Per Rule 3000 (b)(31)(I) the engines are subject to NSPS and NESHAP requirements

Rule 3006

The proposed project is expected to comply with all applicable District Rules and Regulations. Since the proposed project is considered as a "Significant permit revision" and will be subject to the public participation requirements under Rule 3006 (a)(1)(B). A proposed permit incorporating this permit revision will be submitted to EPA for a 45-day review pursuant to Rule 3003(j). If EPA does not raise any objections within the review period, a revised Title V permit will be issued to this facility.

Rule 3003

Section (j)(1)(A) The EPA Administrator will timely receive the Significant revision upon completion of District evaluation.

Section (j)(1)(C) The EPA Administrator will timely receive the draft of the Significant revision upon completion of District evaluation.

Section (j)(1)(D) The EPA Administrator will timely receive the final Title V permit upon issuance by the District

Section (j)(4)(A) The applicant will be timely notified of any refusal to accept all recommendations for the draft permit

CALIFORNIA AIRBORNE TOXIC CONTROL MEASURE FOR STATIONARY COMPRESSION IGNITION ENGINES.

The ATCM was amended October 2010 and the requirements for Tier 4i and Tier 4 was removed and section 93115.6 (a)(3)(A)(1)(a) Table 1. Table 1 keeps the current Tier 2 and Tier 3 emissions standards for the applicable HP engine group. The revised ATCM is expected to be formally approved by CARB in spring 2011. CARB in November 2010 distributed a regulatory advisory that provided guidance on compliance with the ATCM during the transition period from the current ATCM to the amended ATCM. The ATCM have become effective on May 19, 2011 when the California Office of Administrative Law (OAL) approved the CARB rulemaking for the amendments to ATCM. AQMD has announced that it intends to amend Rule 1470 to incorporate some of amendments to ATCM that have been approved by OAL. The AQMD did revise Rule 1470 in May of 2012 to align with the amended ATCM for all pollutants except diesel particulate matter (PM), which is a toxic and cancer causing air contaminant

NSPS

Title 40 Part 60 subpart IIII section 60.4205

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Emergency CI ICE of model year of 2007 or later with a displacement of less than 30 liters per cylinder has to comply with the non road emissions standards. The engine displacement is 15 liters and the engine complies with Tier 3 emissions limits for this HP range, thus compliance with this Regulation is met. The engine complies with the Tier 3 emissions requirements of this Rule (40 CFR Part 89.112). Permit condition no. 13, Rule tag the NOx+VOC and CO emissions limits to this Rule. For NOx, VOC and PM, Rule tag Rule 1303 (a) which is more stringent.

Per EPA, email dated 5/23/2012, as applicable, the permit conditions should at least include the requirements of these sections:

A. 40 CFR 60.4205(b)

The engine complies with the Tier 3 requirements of 40 CFR 89.112. Rule tag NOx+VOC, CO in permit condition no. 23. No Rule tag required for NOx , VOC and PM, because is more stringent.

B. 40 CFR 60.4207(b)

Rule tag condition no. 8, limiting the sulfur content of the fuel

C. 40 CFR 60.4209(a)

Rule tag condition no. 6, requiring a time elapsed meter

D. 40 CFR 60.4211(a)

New condition no. 12 per EPA, the operator shall operate the engine per manufacturer's written instructions

E. 40 CFR 60.4211(c)

New condition no. 25 per EPA, the operator shall comply with the emissions standards specified in 40 CFR 60.4205 (b). The engine must be installed and configured per manufacturer's emissions related specifications

F. 40 CFR 60.4211(f)

Rule tag condition no.4, limiting the testing time per year, this Rule allows up to 100 hours per year, but Rule 1303 (a) and Rule 1470 allows up to 50 hours per year testing.

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G. 40 CFR 60.4214(b)

Rule tag condition no. 9, requires record keeping.

TITLE 40 PART 63, SUBPART ZZZZ

The engine is located at a college center that is **not** a Major Source of HAPs

40 CFR 63.6590 (a)(2)(iii) is a stationary RICE engine located at an area source of HAP emissions and the engine is new if constructed after 6/12/2006. Because the new RICE is located an area source it complies with 40 CFR 63 Subpart ZZZZ by complying with 40 CFR 60 Subpart III [40 CFR 63.6590(c)]. The engine complies with the Tier 3 emissions requirements of this Rule (40 CFR Part 89.112).

RECOMMENDATIONS

Based on the analysis in this report, the equipment is expected to comply with the applicable Rules and Regulations of the SCAQMD and the applicable BACT requirements.

For this reason, the following disposition is recommended; issue a revised Title V Facility Permit reflecting the addition of two emergency engines under section D.

Updates in Section D of the Title V facility Permit resulting from this addition are listed in Equipment and Condition sections of the attached draft permit.

RECOMMENDATIONS

FOR THIS APPLICATION THE FOLLOWING DISPOSITION IS RECOMMENDED:

Issue PC/PO

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APPENDIX A

MAXIMUM INDIVIDUAL CANCER RISK

Methods per "Risk Assessment Procedures for Rule 1401 and 212" revised version 7.0, dated July 1, 2005.

Calculate contaminant R2 emissions (lb/hr) and ton/yr

Find the correct met zone for this location

Find the distance from equipment to the nearest residence and commercial receptor

Look up the unit risk factor for each contaminant

⇒ Use unit Risk factor for diesel ice soot for MICR determination.

⇒ Note evaluate the engines at 1 hour per day, 50 weeks per year (testing)

⇒ Nearest residence = 400 ft, from the equipment

⇒ Stack diameter is 5 inches, per applicant

⇒ Stack ht = 10 feet, per applicant

⇒ Stack ACFM is 618, per applicant

⇒ Sack temp is 972 F, per applicant

⇒ R1 PM emissions = 0.13 g/bhp-hr, per AQMD data

⇒ Typically the engines only operate at max load

⇒ PM emissions

$$R1 (lb/hr) = HP * g / hp - hr.$$

Where HP is the max engine HP.

Where g/bhp-hr is the PM emissions, provided by engine manufacture, copy of specs in file

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APPENDIX B

Johnson Matthey Clean Air control system, Level 3 certified (E/O DE-05-002-03)

Continuously regenerating technology (CRT) particulate filter

Multi filter design

CTRdm diagnostic module, the module monitors the exhaust temp. and back pressure and has alarms if the preset backpressure is exceeded

With data logging system(monitored temperature and pressure drop.

Reduces PM, HC and CO by 85%, 70% and 85% respectively (for this evaluation only use the reductions in PM emissions

- Verified by CARB for emergency backup power, prime power and pumping
- Multiple-filter design enables the CRT to be used on all engine sizes
- Modular design for ease of installation, routing service and easy maintenance
- Self cleaning for convenience and ease of use
- No supplemental heat or fuel required.
- For optimal performance, operates with ultra low 15 ppmv Sulfur diesel (required by AQMD rule 431.2)
- Each unit is equipped with the CTRdm diagnostic module, with data logging, alarm capability and computer interface.
- Housed in stainless steel for strength and durability
- PM collection/filtration begins when the engine starts and continues for the entire run time

The proposed control system is verified as Level 3 Plus emissions control device and gone through extensive certification and testing program. CARB executive order no. DE-05-002-03 has operating condition in Table 1 of the executive order

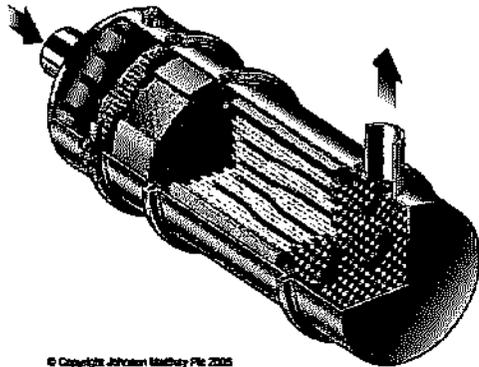
- R1 PM emissions from the engine must be less than 0.1 g/bhp-hr
- Maximum consecutive minutes at idle is 240 minutes.
- Number of 30 minute idle sessions before regeneration is required is 24
- The engine must have a duty cycle with an ave. temperature profile greater than 300 degree C for 40% of the operating cycle.
- Number of hours before cleaning/replacement of filter is 5000
- PM verification level plus is at least 85% reduction
- The CRT control includes catalyzed passive diesel particulate and a CRTdm diagnostic module with data logging (monitor temp and pressure) and alarm system
- No changes are permitted to the control device without notifying ARB and must be approved by ARB

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

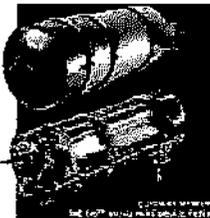
E&C DIVISION

APPLICATION PROCESSING AND CALCULATIONS

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APPL. NO.	DATE
See Below	9/7/2012
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RDO	



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The CRT® particulate filter is a patented emission control technology that contains a Platinum (Pt) catalyst and a particulate filter. It is modularly engineered as a totally passive emission control system, which does not require the use of supplemental heat. The CRT® particulate filter requires ultra low (<50 ppm) sulfur fuel and functions on the basis that soot will oxidize in the presence of NO₂ at a lower temperature than with oxygen. Johnson Matthey's CRT technology is very compatible with the typical exhaust temperature from diesel engines. The device is made up of two chambers (refer to picture below) where the oxidation catalyst is separate from the soot collection/combustion process. The first chamber contains a substrate coated with a proprietary, highly active Pt oxidation catalyst which is designed to oxidize a portion of the NO in the exhaust to NO₂. This is the key to the oxidation of soot collected by the CRT® filter. This is the heart of the Johnson Matthey patent. The catalyst also converts CO, HC and hazardous air pollutants into CO₂ and H₂O. In the second chamber, the exhaust flows through a particulate filter, where gaseous components pass through but soot is trapped on the walls of the filter, where it is destroyed by the NO₂ produced by the catalyst in the first chamber. The CRT® filter is capable of converting >85% PM and >90% CO and HC, including toxics. NO_x reductions, while not guaranteed, are typically in the 5-10% range. The basic requirements for the CRT® particulate filter are ultra low sulfur fuel, an exhaust temperature of at least 250°C for 40% of the duty cycle and a NO_x/PM ratio of at least 20, with a preference for a higher ratio. Johnson Matthey's CRT® particulate filter is the most widely used filter for controlling PM from heavy-duty diesel engines, with more than 120,000 in use worldwide and more than a billion miles of service in transit buses, school buses, fuel delivery trucks, on-road heavy duty trucks, trams, and garbage trucks.

Engine data entry

Engine hp	159.6	hp
use default fuel usage	yes	
actual fuel rate	7.98	gal/hr
fuel rate	7.98	gal/hr
use default E.F.	no	yes/no
use PM default E.F	no	
Use 15 ppm sulfur	yes	yes/no
SOx-15 ppm sulfur	no	lb/mgal
PM10	0.96	
Nox (actual data)	2.61	g/bhp-hr
ROG (actual data)	0.14	g/bhp-hr
CO (actual data)	0.97	g/bhp-hr
PM (actual data)	0.13	g/bhp-hr
hr/dy	1	hr
dy/wk	1	dy
dy/mon	4	dy
wk/yr	50	wk

Emissions Calculations

	R1-lb/hr	R1-lb/dy	R2-30 dy av	R2-lb/yr
NOx	0.92	0.92	0.12	46
ROG	0.05	0.05	0.007	2.46
CO	0.34	0.34	0.05	17
SOx	0.0017	0.0017	0.0002	0.0860
PM	0.04000	0.04	0.0053	2.00
PM10	0.03840	0.04	0.0051	1.92

lbNOx/hr

$$\begin{aligned}
 &= [\text{E.F., g/bhp-hr}] [\text{Rating, hp}] \\
 &= [2.6 \text{ g/bhp-hr}] [160 \text{ hp}] [1 \text{ lb}/454 \text{ g}] \\
 &= [0.92 \text{ lb/hr}]
 \end{aligned}$$

lbNox/day

$$\begin{aligned} &= [\text{lbNOx/hr}][\text{hr/day}] && \text{diesel} \\ &= [0.92 \text{ lb/hr}][1 \text{ hr/day}] \\ &= [0.92 \text{ lb/hr}][1 \text{ hr/day}] \end{aligned}$$

30 day NOx ave

$$\begin{aligned} &= [\text{lbNox/day}][\text{days/mon}]/[30 \text{ days/mon}] \\ &= [0.92 \text{ lb/day}][4 \text{ days/mon}]/[30 \text{ days/mon}] \\ &= [0.12 \text{ lb/day}] \end{aligned}$$

lbNox/year

$$\begin{aligned} &= [\text{lbNox/day}][\text{days/wk}][\text{wk/yr}] \\ &= [0.92 \text{ lb/day}][1 \text{ days/wk}][50 \text{ wk/yr}] \\ &= [46 \text{ lb/year}] \end{aligned}$$

lbCO/hr

$$\begin{aligned} &= [\text{E.F. g/bhp-hr}][\text{Rating, hp}] \\ &= [1.0 \text{ g/bhp-hr}][160 \text{ hp}][1 \text{ lb}/454 \text{ g}] \\ &= [0.34 \text{ lb/hr}] \end{aligned}$$

lbCO/day

$$\begin{aligned} &= [\text{lbCO/hr}][\text{hr/day}] \\ &= [0.34 \text{ lb/hr}][1 \text{ hr/day}] \\ &= [0.34 \text{ lb/day}] \end{aligned}$$

30 day CO ave

$$\begin{aligned} &= [\text{lbCO/hr}][\text{hr/day}] \\ &= [0.05 \text{ lb/day}][4 \text{ days/mon}]/[30 \text{ days/mon}] \\ &= [0.05 \text{ lb/day}] \end{aligned}$$

lbCO/year

$$\begin{aligned} &= [\text{lbCO/day}][\text{days/wk}][\text{wk/yr}] \\ &= [0.34 \text{ lb/day}][1 \text{ days/wk}][50 \text{ wk/yr}] \\ &= [17 \text{ lb/year}] \end{aligned}$$

lbROG/hr

$$\begin{aligned} &[\text{E.F. g/bhp-hr}][\text{Rating, hp}] \\ &[0.14 \text{ g/bhp-hr}][160 \text{ hp}][1 \text{ lb}/454 \text{ g}] \\ &[0.05 \text{ lb/hr}] \end{aligned}$$

lbROG/day

$$\begin{aligned} &[\text{lbROG/hr}][\text{hr/day}] \\ &[0.05 \text{ lb/hr}][1 \text{ hr/day}] \\ &[0.05 \text{ lb/day}] \end{aligned}$$

30 day ROG ave

$$[\text{lbROG/day}][\text{days/mon}]/[30 \text{ days/mon}]$$

[0.01 lb/day][4days/mon]/[30 days/mon]
[0.01 lb/day] diesel

lbROG/year

[lbROG/day][days/wk][wk/yr]
[0.01 lb/day][1days/wk][50wk/yr]
[2 lb/year]

lbSOx/hr

[SOx E.F.][gal/hr][Fuel rate]
[nolb/mgal][7.98 gal/hr][1mgal/1000 gal]
#####

lbSOx/day

[lbSOx/hr] x [hr/day]

#####

30 day SOx ave

[lbSOx/day][days/mon]/[30 days/mon]

#####

lbSOx/year

[lbSOx/day][days/wk][wk/yr]

#####

lbPM/hr

[E.F, g/bhp-hr][Rating, hp]
[0.13 g/bhp-hr][160 hp][1 lb/454 g]
[0.046 lb/hr]

lbPM/day

[lbPM/hr][hr/day]
[0.0457 lb/hr] [1 hr/day]
[0.0457 lb/day]

30 day PM ave

[lbPM/day][days/mon]/[30 days/mon]
[0.0457 lb/day][4days/mon]/[30 days/mon]
[0.0061 lb/day]

lbPM/year

[lbPM/day][days/wk][wk/yr]
[0.0457 lb/day][1 days/wk][50wk/yr]
[2.29 lb/year]

lbPM10/hr

diesel

Page 4

[PM lb/hr][0.96]

[0.0457 lb/hr] [0.96]

[0.038 lb/hr]

lbPM10/dy

[PM lb/dy][0.96]

[0.0457 lb/day] [0.96]

[0.044 lb/day]

30 day ave PM10 lb/dy

[PM 30 dy ave][0.96]

[0.0457 lb/day] [0.96]

[0.044 lb/day]

lbPM10/yr

[PM lb/yr][0.96]

[2.2850 lb/yr] [0.96]

[2.194 lb/yr]

Equations

A. Emissions as a function of lb/mgal or g/bhp-hr

Emissions = E.F. (lb/mgal) * gal/hr * 1mgal/1000 gal

Emissions = gr/hp-hr *hp * 1lb/454 gr

B. NSR 30 day and lb/yr values

30 day ave = lb/hr * hr/dy * dy/mon * (1mon/30 day)

lb/yr = lb/hr * hr/dy * dy/wk * wk/yr

TIER 3 SCREENING RISK ASSESSMENT REPORT

A/N:
 Fac:

Application deemed complete date:

2. Tier 2 Data

MET Factor	1.00
4 hr	0.87
6 or 7 hrs	0.77

Dispersion Factors tables

2	For Chronic X/Q
6	For Acute X/Q

Dilution Factors (ug/m3)/(tons/yr)

Receptor	X/Q	X/Qmax
Residential	1.444194793	79.0696649
Commercial	0.658114083	36.03174603

Adjustment and Intake Factors

	AFann	DBR	EVF
Residential	1	302	0.96
Worker	4.2	149	0.38

A/N:

Application deemed complete date:

TIER 3 RESULTS

5a. MICR

$MICR = CP \text{ (mg/(kg-day))}^{-1} * Q \text{ (ton/yr)} * (X/Q) * AFann * MET * DBR * EVF * 1E-6 * MP$

Compound	Residential	Commercial
Diesel PM from diesel-fueled internal combustion engine	4.42E-07	1.65E-07
Total	4.42E-07	1.65E-07
	PASS	PASS

No Cancer Burden, MICR < 1.0E-6

5b. Cancer Burden	NO
X/Q for one-in-a-million:	
Distance (meter)	2773.11
Area (km2):	2.41E+01
Population:	169,029
Cancer Burden:	7.47E-02

6. Hazard Index

HIA = [Q(lb/hr) * (X/Q)max] * AF / Acute REL

HIC = [Q(ton/yr) * (X/Q) * MET * MP] / Chronic REL

Target Organs	Acute	Chronic	Acute Pass/Fail	Chronic Pass/Fail
Alimentary system (liver) - AL			Pass	Pass
Bones and teeth - BN			Pass	Pass
Cardiovascular system - CV			Pass	Pass
Developmental - DEV			Pass	Pass
Endocrine system - END			Pass	Pass
Eye			Pass	Pass
Hematopoietic system - HEM			Pass	Pass
Immune system - IMM			Pass	Pass
Kidney - KID			Pass	Pass
Nervous system - NS			Pass	Pass
Reproductive system - REP			Pass	Pass
Respiratory system - RES		2.77E-04	Pass	Pass
Skin			Pass	Pass

A/N:

Application deemed complete date:

6a. Hazard Index Acute

$$HIA = [Q(\text{lb/hr}) * (X/Q)\text{max}] * AF / \text{Acute REL}$$

HIA - Residential

Compound	AL	CV	DEV	EYE	HEM	IMM	NS	REP	RESP	SKIN
Diesel PM from diesel-fueled internal combustion engines										
Total										

Compound	HIA - Commercial									
	AL	CV	DEV	EYE	HEM	IMM	NS	REP	RESP	SKIN
Diesel PM from diesel-fueled internal combustion engine										
Total										

6b. Hazard Index Chronic

$$HIC = [I(Q)(\text{ton/yr})] \cdot (X/Q) \cdot \text{MET} \cdot \text{MP} / \text{Chronic REL}$$

Compound	HIC - Residential												
	AL	BN	CV	DEV	END	EYE	HEM	IMM	KID	NS	REP	RESP	SKIN
Diesel PM from diesel-fueled internal combustion engine												2.77E-04	
Total												2.77E-04	

6b. Hazard Index Chronic (cont.)

A/N:

Application deemed complete date:

Compound	HIC - Commercial										RESP	SKIN	
	AL	BN	CV	DEV	END	EYE	HEM	IMM	KID	NS			REP
Diesel PM from diesel-fueled internal combustion engine												1.26E-04	
Total												1.26E-04	

Table A

Modeling emissions rate	0.126000	gr/sec
Modeling emissions rate	1.00	lb/hr
Modeling emissions rate	4.38	tons/yr
Max hr/dy	24	hr/day
Day per week	7	dy/wk
Week per year	52	wk/yr
MODELING RESULTS -MAX ONE HOUR		
Distance residence	111.00	meter
Max. 1-hour Conc. Residence	79.000000	ug/m3
Annualized Conc. Residence	6.320000	ug/m3
Distance Commerical	220.00	meter
Max. 1-hour Conc. Commerical	36.000000	ug/m3
Annualized Conc. Commerical	2.880000	ug/m3

Annualized X/Q

X/Q Residential	1.444194793	(ug/m ³)/(tons/yr)
X/Q Commercial	0.658114083	(ug/m ³)/(tons/yr)

Max. X/Q

X/Q Residential	79.0696649	(ug/m ³)/(lbs/hr)
X/Q Commercial	36.03174603	(ug/m ³)/(lbs/hr)

Table B (These values are needed to calculate cancer burden)

	Interpolation								
	Stack Height (ft): 25			Row: 2			X/Q for one-in-a-million		
	Residential			Industrial			near	actual	far
Distance	near	actual	far	near	actual	far	near	actual	far
X/Q - 1 hr conc ug/m3	1500.00	111.00	2000.00	1500.00	220.00	2000.00	1500.00	2773.11	2000.00
X/Q Annualized (ug/m ³)/(tons/yr)	9.09	79.00	5.52	9.09	36.00	5.52	9.09		5.52
	0.17	1.44	0.10	0.17	0.66	0.10	0.17		0.10

CONVERSION CALCULATOR FOR SCREEN MODELING INPUT (British to Metric Units)

SCREEN INPUT DATA - BRITISH UNITS

Actual exhausted rate	618.00	acfm
Temperature	972.00	degree F
Stack diameter	5.00	in
Stack height	10.00	ft
Modeling emissions rate	1.00	lb/hr

SCREEN INPUT DATA - METRIC UNITS

Temperature	795.222	degrees K
Stack diameter	0.127	meter
Stack area	0.013	square meter
Stack height	3.048	meter
Stack velocity	23.036	m/s
Modeling emissions rate	0.12611	gr/s

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

Facility Equipment and Requirements (Section D)

This section consists of a table listing all permitted equipment at the facility, facility wide requirements, all individual Permits to Construct and Permits to Operate issued to various equipment at the facility, and Rule 219-exempt equipment subject to source-specific requirements. Each permit and Rule 219-exempt equipment will list operating conditions including periodic monitoring requirements, and applicable emission limits and requirements that the equipment is subject to. Also included is the rule origin and authority of each emission limit and permit condition.

**FACILITY PERMIT TO OPERATE
 EAST LOS ANGELES COLLEGE**

PERMITTED EQUIPMENT LIST

THE FOLLOWING IS A LIST OF ALL PERMITS TO CONSTRUCT AND PERMITS TO OPERATE AT THIS FACILITY:

Application number	Permit number	Equipment description
G01840	P41684	SPRAY BOOTH PAINT AND SOLVENT
514260	G16701	IC ON SITE PORTABLE ENGINE (51-500 HP) EMERGENCY ELEC GEN – DIESEL
193949	D10250	BOILER (<5 MMBTU/HR) NATURAL GAS ONLY
193950	D10251	BOILER (<5 MMBTU/HR) NATURAL GAS ONLY
333662	F10776	IC ENGINE (51-500 HP) NON-EMERGENCY PORTABLE NON-RENTAL DIESEL
417691	F64460	IC ENGINE (51-500 HP) EMERGENCY FIRE FIGHTING – DIESEL
431843	F70563	IC ENGINE (51-500 HP) EMERGENCY FIRE FIGHTING – DIESEL
467491	F94158	IC ENGINE (51-500 HP) EMERGENCY FIRE FIGHTING – DIESEL
487973	G3214	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN – DIESEL
491292	N24749	GASOLINE STORAGE AND DISPENSING EQUIPMENT
492405	G3209	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN – DIESEL
496061	G3544	BOILER (<5 MMBTU/HR) NATURAL GAS ONLY
501193	G7589	BOILER (<5 MMBTU/HR) NATURAL GAS ONLY
501194	G7594	BOILER (<5 MMBTU/HR) NATURAL GAS ONLY
501195	G7593	BOILER (<5 MMBTU/HR) NATURAL GAS ONLY
501196	G7592	BOILER (<5 MMBTU/HR) NATURAL GAS ONLY
501197	G7591	BOILER (<5 MMBTU/HR) NATURAL GAS ONLY

**FACILITY PERMIT TO OPERATE
EAST LOS ANGELES COLLEGE**

501198	G7590	BOILER (<5 MMBTU/HR) NATURAL GAS ONLY
501199	G7588	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN – DIESEL
526903	N26493	GASOLINE DISPENSING AND STORAGE SYSTEM
534574	G	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN – DIESEL
534596	G	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN – DIESEL

NOTE: EQUIPMENT LISTED ABOVE THAT HAVE NO CORRESPONDING PERMITS TO OPERATE NUMBER ARE ISSUED PERMITS TO CONSTRUCT. THE ISSUANCE OR DENIAL OF THEIR PERMITS TO OPERATE IS SUBJECT TO ENGINEERING FINAL REVIEW. ANY OTHER APPLICATIONS THAT ARE STILL BEING PROCESSED AND HAVE NOT BEEN ISSUED PERMITS TO CONSTRUCT OR PERMITS TO OPERATE WILL NOT BE FOUND IN THIS TITLE V PERMIT.

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

FACILITY WIDE CONDITION(S)

Condition(s):

1. EXCEPT FOR OPEN ABRASIVE BLASTING OPERATIONS, THE OPERATOR SHALL NOT DISCHARGE INTO THE ATMOSPHERE FROM ANY SINGLE SOURCE OF EMISSIONS WHATSOEVER ANY AIR CONTAMINANT FOR A PERIOD OR PERIODS AGGREGATING MORE THAN THREE MINUTES IN ANY ONE HOUR WHICH IS:
 - A. AS DARK OR DARKER IN SHADE AS THAT DESIGNATED NO. 1 ON THE RINGELMANN CHART, AS PUBLISHED BY THE UNITED STATES BUREAU OF MINES; OR
 - B. OF SUCH OPACITY AS TO OBSCURE AN OBSERVER'S VIEW TO A DEGREE EQUAL TO OR GREATER THAN DOES SMOKE DESCRIBED IN SUBPARAGRAPH (A) OF THIS CONDITION.
[RULE 401]
2. THE OPERATOR SHALL NOT PURCHASE ANY DIESEL FUEL UNLESS THE FUEL IS LOW SULFUR DIESEL FOR WHICH THE SULFUR CONTENT SHALL NOT EXCEED 15 PPM BY WEIGHT AS SUPPLIED BY THE SUPPLIER.
[RULE 431.2]
3. THE OPERATOR SHALL NOT USE NATURAL GAS CONTAINING SULFUR COMPOUNDS, CALCULATED AS H₂S, IN EXCESS OF 16 PPMV. THE OPERATOR SHALL NOT USE OR SELL GASEOUS FUEL CONTAINING SULFUR COMPOUNDS IN EXCESS OF 40 PPMV CALCULATED AS HYDROGEN SULFIDE AVERAGED OVER FOUR HOURS.
[RULE 431.1]

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

PERMIT TO OPERATE

Permit No. P41684
A/N G01840

Equipment Description:

SPRAY BOOTH, BINKS, MODEL NO. FF-10-7-T, FLOOR FILTER TYPE, 10'-0" W. X 7'-0" L. X 9'-8" H., WITH A 1-HP EXHAUST FAN.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES
[RULE 204]
3. THIS SPRAY BOOTH SHALL NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST TWO INCHES THICK.
[RULE 1303(a)(1)-BACT]
4. A GAUGE SHALL BE INSTALLED AND MAINTAINED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL SHALL NOT EXCEED 0.25 INCH OF WATER.
[RULE 1303(a)(1)-BACT]
5. THIS EQUIPMENT SHALL BE OPERATED IN COMPLIANCE WITH RULES 1107, 1136, 1145 AND 1171.
[RULE 1107, RULE 1136, RULE 1145, RULE 1171]

Periodic Monitoring:

6. THE OPERATOR SHALL PERFORM A WEEKLY INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
 - A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
 - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
 - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.
[RULE 3004 (a)(4)]
7. THE OPERATOR SHALL DETERMINE AND RECORD THE PRESSURE DROP ACROSS THE FILTER

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

**MEDIA ONCE EVERY WEEK.
[RULE 3004 (a)(4)]**

Emissions And Requirements:

8. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 109
VOC: RULE 1107, SEE APPENDIX B FOR EMISSION LIMITS
VOC: RULE 1136, SEE APPENDIX B FOR EMISSION LIMITS
VOC: RULE 1145, SEE APPENDIX B FOR EMISSION LIMITS
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS
VOC: RULE 481
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

PERMIT TO OPERATE

**Permit No. G16701
A/N 514260**

Equipment Description:

INTERNAL COMBUSTION ENGINE, ON-SITE PORTABLE, CUMMINS, DIESEL FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 4BT3.9, 4 CYLINDERS, FOUR CYCLE, TURBOCHARGED, 86 BHP.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITIONS AT ALL TIMES.
[RULE 204]
3. THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 431.2 AND RULE 1470.
[RULE 1470, RULE 431.2]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING AND NO MORE THAN 4.2 HOURS IN ANY ONE MONTH FOR MAINTENANCE AND TESTING.
[RULE 1110.2, RULE 1303 (a)]
5. OPERATING BEYOND THE 20 HOURS PER YEAR ALLOTTED FOR MAINTENANCE AND TESTING PURPOSES SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1470]
6. AN OPERATIONAL NON-RESETTING ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1110.2, RULE 1303 (b)(2), RULE 1470]
7. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1470]

8. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED, DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND SPECIFIC REASON FOR OPERATION AS:
 - a. EMERGENCY USE.
 - b. MAINTENANCE AND TESTING.
 - c. OTHER (DESCRIBE THE REASON FOR OPERATING).
 - d. IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION.
[RULE 1303 (b)(2), RULE 1470]

9. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG THE FOLLOWING:

THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND

THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.

THE ENGINE OPERATING LOG SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE CALENDAR YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR REPRESENTATIVE UPON REQUEST.
[RULE 1303 (b)(2)]

10. THE OPERATOR SHALL ONLY PURCHASE LOW SULFUR DIESEL WITH A SULFUR CONTENT THAT DOES NOT EXCEED 15 PPM BY WEIGHT AS SUPPLIED BY THE SUPPLIER
[RULE 431.2]

Emissions And Requirements:

11. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
 - PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
 - PM: RULE 1470

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

PERMIT TO OPERATE

Permit No. D10250
A/N 193949

Equipment Description:

BOILER NO. 2, NATIONAL, SECTIONAL TYPE, MODEL NO. 17-309, RATED AT 2,720,000 BTU PER HOUR, NATURAL GAS-FIRED, WITH A NATIONAL GAS BURNER.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS BOILER SHALL BE FIRED WITH NATURAL GAS ONLY.
[RULE 1146.1]

Emissions And Requirements:

4. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409
NO_x: RULE 1146.1, SEE SEC. 1 FOR REQUIREMENTS
CO: RULE 1146.1, SEE SEC. 1 FOR REQUIREMENTS

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

PERMIT TO OPERATE

Permit No. D10251
A/N 193950

Equipment Description:

BOILER NO. 1, NATIONAL, SECTIONAL TYPE, MODEL NO. 17-309, RATED AT 2,720,000 BTU PER HOUR, NATURAL GAS-FIRED, WITH A NATIONAL GAS BURNER.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS BOILER SHALL BE FIRED WITH NATURAL GAS ONLY.
[RULE 1146.1]

Emissions And Requirements:

4. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409
NOx: RULE 1146.1, SEE SEC. I FOR REQUIREMENTS
CO: RULE 1146.1, SEE SEC. I FOR REQUIREMENTS

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

PERMIT TO OPERATE

**Permit No. F10776
A/N 333662**

Equipment Description:

PORTABLE INTERNAL COMBUSTION ENGINE, JOHN DEERE, MODEL NO. SERIES 300, DIESEL-FUELED, NATURALLY ASPIRATED, 4 CYLINDERS, 78 BHP, COMPRESSOR DRIVER FOR A JACKHAMMER.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

Emissions And Requirements:

3. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
NOx: RULE 1110.2
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

PERMIT TO OPERATE

Permit No. F64460
A/N 417691

Equipment Description:

INTERNAL COMBUSTION ENGINE, CLARKE, DIESEL-FUELED, EMERGENCY FIRE PUMP DRIVER, MODEL NO. VMFP-L6HR, TURBOCHARGED, AFTERCOOLED, 6 CYLINDERS, FOUR CYCLE, 160 BHP, LOCATED AT THE TECHNOLOGY BUILDING.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
4. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
5. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION OF THIS ENGINE. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
6. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]
7. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

8. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 1470

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

PERMIT TO OPERATE

Permit No. F70563
A/N 431843

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY FIRE PUMP DRIVER, MODEL NO. 6BT5.9-G6, SERIAL NO. 45879748, TURBOCHARGED, 6 CYLINDERS, FOUR CYCLE, 113 BHP, LOCATED AT BLDG. G-3

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 30 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
4. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
5. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION OF THIS ENGINE. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1303(b)(2)-OFFSET, RULE 1470]
6. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]
7. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

8. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 1470

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

PERMIT TO OPERATE

**Permit No. F94158
A/N 467491**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, EMERGENCY FIRE PUMP DRIVER, MODEL NO. C-9 DITA, SERIAL NO. CLJ03854, TURBOCHARGED, AFTERCOOLED, SIX CYLINDERS, 4-CYCLE, 275 BHP, EQUIPPED WITH A DIESEL PARTICULATE FILTER, CLEAN AIR SYSTEMS, CLEAN AIR PERMIT FILTER AND A HIBACK DATA LOGGING AND ALARM SYSTEM, LOCATED AT THE E-1 BLDG.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
4. AN OPERATIONAL NON-RESETTING ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
5. THIS ENGINE SHALL NOT BE OPERATED FOR NON-EMERGENCY USE BETWEEN THE HOURS OF 7:30 A.M. AND 3:30 P.M. ON DAYS WHEN SCHOOL IS IN SESSION.
[RULE 1470]
6. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS ITS EXHAUST IS VENTED TO A DIESEL PARTICULATE FILTER SYSTEM WHICH IS IN FULL OPERATION AND IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 1303(a)(1)-BACT]
7. THE OPERATOR SHALL OPERATE THE DIESEL PARTICULATE FILTER SYSTEM ONLY WITH AN OPERATIONAL HIBACK DATA LOGGING AND ALARM SYSTEM.
[RULE 1303(a)(1)-BACT]
8. THE HIBACK LOGGING AND ALARM SYSTEM SHALL BE PROGRAMMED TO INTERFACE WITH THE ENGINE CONTROL SYSTEM TO AUTOMATICALLY SHUT THE ENGINE DOWN OR SWITCH IT

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

TO POWER DE-RATING MODE WHENEVER THE BACKPRESSURE OF THE DIESEL PARTICULATE FILTER SYSTEM EXCEEDS THE MAXIMUM BACKPRESSURE SETTING OF 40 INCHES OF WATER.
[RULE 1303(a)(1)-BACT]

9. DURING MAINTENANCE AND PERFORMANCE TESTING, THE FIRE PUMP SHALL BE OPERATED WITH A WATER FLOWRATE OF AT LEAST 300 GAL/MIN.
[RULE 1303(a)(1)-BACT]
10. THE OPERATOR SHALL KEEP MONTHLY RECORDS OF TEMPERATURE, PRESSURE, DATE AND TIME FOR THE DUTY CYCLE OF THE ENGINE AS DOWNLOADED FROM THE HIBACK LOGGING SYSTEM. THE OPERATOR SHALL ALSO RECORD THE FLOW RATE OF WATER, IN GAL/MIN, TO THE FIRE PUMP FOR THIS DUTY CYCLE. THESE MONTHLY RECORDS SHALL BE KEPT IN A FORMAT APPROVED BY THE EXECUTIVE OFFICER AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS. THE RECORDS SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303(a)(1)-BACT]
11. THE OPERATOR SHALL MANUALLY TEST THE LED ALARM SYSTEM FOLLOWING THE PROCEDURES DESCRIBED IN THE MANUFACTURER'S INSTRUCTION MANUAL "TESTING THE SYSTEM WITH THE OPTIONAL TEST KIT". THE TEST SHALL BE CONDUCTED WITHIN SIX MONTHS FROM THE DATE OF THE ISSUANCE OF THIS PERMIT AND ANNUALLY THEREAFTER. THE TEST RECORDS SHALL BE KEPT ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303(a)(1)-BACT]
12. THE OPERATOR SHALL REGENERATE THE DIESEL PARTICULATE FILTER AFTER EVERY 24 COLD ENGINE START-UPS OR WHENEVER A "YELLOW" WARNING SIGNAL IS RECEIVED FROM THE HIBACK ALARM SYSTEM, WHICHEVER OCCURS FIRST. IN ORDER TO ACHIEVE FILTER REGENERATION, THE OPERATOR SHALL RUN THE ENGINE UNTIL THE EXHAUST TEMPERATURE EXCEEDS 572 DEGREES FAHRENHEIT AND THE BACKPRESSURE MONITORING SYSTEM INDICATES A NORMAL BACKPRESSURE READING.
[RULE 1303(a)(1)-BACT]
13. AFTER EVERY 5,000 HOURS OF NORMAL ENGINE OPERATION (EXCLUDING IDLING SESSIONS), THE OPERATOR SHALL INSPECT THE INTEGRITY OF THE FILTER AND, IF NECESSARY, REPLACE IT.
[RULE 1303(a)(1)-BACT]
14. THE OPERATOR SHALL KEEP RECORDS OF PARTICULATE FILTER INSPECTIONS, REPLACEMENTS AND MANUAL REGENERATIONS. THE OPERATOR SHALL MAINTAIN THESE RECORDS FOR A MINIMUM OF FIVE YEARS AND MAKE THEM AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303(a)(1)-BACT]
15. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
 - A. EMERGENCY USE HOURS OF OPERATION
 - B. MAINTENANCE AND TESTING HOURS

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)

IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

16. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]
17. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]
18. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

19. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 1470

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

PERMIT TO OPERATE

Permit No. G3214
A/N 487973

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. QSB5-G3, TURBOCHARGED, AFTERCOOLED, SIX CYLINDERS, 145 BHP, LOCATED AT PARKING STRUCTURE 3.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING, AND NO MORE THAN 4.2 HOURS IN ANY ONE MONTH FOR MAINTENANCE AND TESTING .
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
4. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470, RULE 1472]
5. OPERATION BEYOND THE 50 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
6. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO DO SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1470]

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7. THE OPERATOR SHALL KEEP A LOG OF ENGINE OPERATIONS DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND THE SPECIFIC REASON FOR OPERATION AS :
- A. EMERGENCY USE
 - B. MAINTENANCE AND TESTING
 - C. OTHERS (SPECIFY)
- IN ADDITION, FOR EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF ENGINE OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READINGS (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND THE END OF THE OPERATION.
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
8. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG :
- A. THE TOTAL HOURS OF ENGINE OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND
 - B. THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
9. ENGINE OPERATION LOGS SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE CALENDAR YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.
[RULE 1470]
10. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 1470 AND 1472.
[RULE 1470, RULE 1472]
11. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]
12. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

13. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
 - PM: RULE 1470

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

PERMIT TO OPERATE

Permit No. N24749
A/N 491292

Equipment Description:

Fuel Storage and Dispensing Facility Consisting of:

- 1) 1 - GASOLINE BELLOWS-LESS NOZZLE DISPENSING I PRODUCT, EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, HEALY PHASE II ENHANCED VAPOR RECOVERY (EVR) SYSTEM NOT INCLUDING ISD (VR-201-I).
- 2) 1 - GASOLINE UNDERGROUND STORAGE TANK, 6,000-GALLON CAPACITY, EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM OPW (VR-102-D/1), 1 METHANOL COMPATIBLE.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. ALL PERMIT CONDITIONS APPLICABLE TO THE EQUIPMENT DESCRIBED IN THE PREVIOUS PERMIT TO OPERATE N14836 SHALL REMAIN IN EFFECT UNTIL THE NEW OR MODIFIED EQUIPMENT IS CONSTRUCTED AND OPERATED AS DESCRIBED IN THIS NEW PERMIT. THIS PERMIT TO CONSTRUCT/OPERATE SHALL BECOME INVALID IF THE MODIFICATION AS DESCRIBED IN THE EQUIPMENT DESCRIPTION HAS NOT BEEN COMPLETED WITHIN ONE YEAR FROM THE ISSUE DATE. IF THE MODIFICATION HAS NOT BEEN COMPLETED WITHIN ONE YEAR FROM THE ISSUE DATE OF THE PERMIT, A WRITTEN REQUEST SHALL BE SUBMITTED TO THE AQMD (ATTENTION: RANDY MATSUYAMA) TO REINSTATE THE PREVIOUSLY INACTIVATED PERMIT TO OPERATE. A NEW APPLICATION SHALL BE FILED IF THERE ARE PLANS TO CONTINUE WITH THE MODIFICATION. FURTHERMORE, THIS CONDITION DOES NOT ALLOW ANY TIME EXTENSIONS TO ANY MODIFICATIONS REQUIRED BY THE CALIFORNIA AIR RESOURCES BOARD OR AQMD.
[RULE 203]
4. EXCEPT FOR DIESEL TRANSFERS, PHASE I VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO STORAGE TANKS.
[RULE 461, RULE 1303(a)(1)-BACT]
5. EXCEPT FOR DIESEL TRANSFERS, PHASE II VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO MOTOR VEHICLES, AS DEFINED IN RULE 461.

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[RULE 461, RULE 1303(a)(1)-BACT]

6. ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT AT THIS FACILITY SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CALIFORNIA AIR RESOURCES BOARD CERTIFICATION REQUIREMENTS.
[RULE 461, RULE 1303(a)(1)-BACT]
7. THE DISTRICT AT ITS DISCRETION MAY WISH TO WITNESS THE INSTALLATION AND/OR PERFORMANCE TESTING OF THE HEALY PHASE II EVR SYSTEM NOT INCLUDING ISD. AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE INSTALLATION AND PERFORMANCE TESTING OF THE HEALY PHASE II EVR SYSTEM NOT INCLUDING ISD, THE APPLICANT SHALL NOTIFY THE AQMD AT TELEPHONE NUMBER (866) 770-9140.
[RULE 461]
8. NEW EQUIPMENT INSTALLATIONS AND SUBSEQUENT SERVICE AND REPAIRS FOR ANY CERTIFIED COMPONENT FOR WHICH THIS PERMIT WAS ISSUED, SHALL ONLY BE PERFORMED BY A CURRENT AND CERTIFIED PERSON WHO HAS SUCCESSFULLY COMPLETED THE MANUFACTURER'S TRAINING COURSE AND APPROPRIATE INTERNATIONAL CODE COUNCIL (ICC) CERTIFICATION. COMPLETION OF ANY AQMD TRAINING COURSE DOES NOT CONSTITUTE AS A SUBSTITUTE FOR THIS REQUIREMENT. PROOF OF SUCCESSFUL COMPLETION OF ANY MANUFACTURER TRAINING COURSE SHALL BE WITH THE MANUFACTURER.
[RULE 461]
9. AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO BACK-FILLING ANY UNDERGROUND STORAGE TANK OR PIPING, THE SCAQMD SHALL BE NOTIFIED BY E-MAIL AT R461BACKFILL@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTORS; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE BACK-FILLING PROCEDURE. THE BACK-FILLING PROCEDURE SHALL NOT COMMENCE UNTIL INSPECTED BY A DISTRICT REPRESENTATIVE.
[RULE 461]
10. DEPENDING ON THE SYSTEM CONFIGURATION, A LEAK RATE TEST OF DROP TUBE/DRAIN VALVE ASSEMBLY SHALL BE CONDUCTED TO QUANTIFY THE PRESSURE INTEGRITY OF BOTH THE DROP TUBE AND DRAIN VALVE SEAL OR A LEAK RATE TEST OF DROP TUBE OVERFILL PREVENTION DEVICE AND DRAIN VALVE SHALL BE CONDUCTED TO QUANTIFY THE PRESSURE INTEGRITY OF THE DROP TUBE OVERFILL PREVENTION DEVICE AND THE PRESSURE INTEGRITY OF THE SPILL CONTAINER DRAIN VALVE. EITHER TEST SHALL BE CONDUCTED AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH TEST PROCEDURE METHOD TP-201.1C (OCTOBER 8, 2003) OR TP-201.1D (OCTOBER 8, 2003), RESPECTIVELY. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
11. A LEAK RATE AND CRACKING PRESSURE TEST OF PRESSURE/VACUUM RELIEF VENT VALVES SHALL BE CONDUCTED WITHIN TEN DAYS (10) AFTER THE START OF OPERATION OF THE OPW PHASE I EVR EQUIPMENT AND AT LEAST ONCE EVERY THREE (3) YEARS THEREAFTER TO DETERMINE THE PRESSURE AND VACUUM AT WHICH THE PRESSURE/VACUUM VENT VALVE

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ACTUATES, AND TO DETERMINE THE VOLUMETRIC LEAK RATE AT A GIVEN PRESSURE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEST PROCEDURE METHOD TP-201.1E (OCTOBER 8, 2003). RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST. THIS TEST RESULT SHALL BE KEPT ON SITE FOR THREE (3) YEARS AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

[RULE 461]

12. A STATIC TORQUE TEST OF ROTATABLE PHASE I ADAPTORS SHALL BE CONDUCTED TO QUANTIFY THE AMOUNT OF STATIC TORQUE REQUIRED TO START THE ROTATION OF THE ROTATABLE PHASE I ADAPTORS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEST PROCEDURE METHOD OUTLINED IN TP-201.1B (OCTOBER 8, 2003) AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

[RULE 461]

13. THE PHASE II VAPOR RECOVERY SYSTEM SHALL BE INSTALLED, OPERATED, AND MAINTAINED SUCH THAT THE MAXIMUM ALLOWABLE PRESSURE THROUGH THE RISER, AND UNDERGROUND PIPING DOES NOT EXCEED THE DYNAMIC BACK PRESSURE DESCRIBED BY THE CALIFORNIA AIR RESOURCES BOARD EXECUTIVE ORDER BY WHICH THE SYSTEM WAS CERTIFIED:

NITROGEN FLOWRATES
(CFH)
60

DYNAMIC BACK PRESSURE
(INCHES OF WATER)
0.50

DYNAMIC BACK PRESSURE TESTS SHALL BE CONDUCTED TO DETERMINE THE PHASE II SYSTEM VAPOR RECOVERY BACK PRESSURES. THE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE TP-201.4, METHODOLOGY 4 AND 6 (JULY 3, 2002); AS A PERFORMANCE TEST. THIS TEST SHALL BE A ONE-TIME TEST AND THE RESULTS KEPT PERMANENTLY ON SITE. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TESTS.

[RULE 461]

14. A STATIC PRESSURE LEAK DECAY TEST SHALL BE CONDUCTED TO DEMONSTRATE THAT THE STORAGE TANKS, THE REMOTE AND/OR NOZZLE VAPOR RECOVERY CHECK VALVES, ASSOCIATED VAPOR RETURN PIPING AND FITTINGS ARE FREE FROM VAPOR LEAKS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.3 (MARCH 17, 1999) AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

[RULE 461]

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15. A STATIC PRESSURE PERFORMANCE TEST FOR THE HEALY CLEAN AIR SEPARATOR USING BOTH THE VACUUM DECAY PROCEDURE AND THE POSITIVE PRESSURE PROCEDURE SHALL BE CONDUCTED TO QUANTIFY THE VAPOR TIGHTNESS OF THE TANK PRESSURE MANAGEMENT SYSTEM. THESE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 4 OF CARB EXECUTIVE ORDER VR-201-I AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
16. A VAPOR TO LIQUID VOLUME RATIO TEST SHALL BE CONDUCTED TO QUANTIFY THE VAPOR TO LIQUID (V/L) VOLUMETRIC RATIO OF THE HEALY CLEAN AIR SEPARATOR SYSTEM. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 5 OF CARB EXECUTIVE ORDER VR-201-I AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
17. A NOZZLE BAG TEST SHALL BE CONDUCTED ON THE HEALY PHASE II EVR NOZZLES TO VERIFY THE INTEGRITY OF THE VAPOR VALVE. THE TEST SHALL BE CONDUCTED ON ANY NEWLY INSTALLED OR REPLACED HEALY PHASE II EVR NOZZLES AND IN ACCORDANCE WITH EXHIBIT 7 OF CARB EXECUTIVE ORDER VR-201-I. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
18. THE STATIC PRESSURE LEAK DECAY TEST TP-201.3, SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 8 OF CARB EXECUTIVE ORDER VR-201-I. VERIFICATION OF COMPLETING EACH STEP AS OUTLINED SHALL BE DOCUMENTED BY SUBMITTING A COPY OF EXHIBIT 8 TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
19. UNLESS AQMD RULE 461 REQUIRES A MORE FREQUENT TESTING OR INSPECTION SCHEDULE, THE OWNER/OPERATOR SHALL BE RESPONSIBLE TO PERFORM THE SCHEDULED WEEKLY, QUARTERLY, AND ANNUAL INSPECTIONS AS OUTLINED IN THE ARB APPROVED INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR THE HEALY PHASE II EVR SYSTEMS, AS WELL AS ALL THE REQUIRED VAPOR RECOVERY SYSTEM TESTS AS PER THE CURRENT AND APPROPRIATE ARB EXECUTIVE ORDER.
[RULE 461]
20. A CARB CERTIFIED PHASE II ENHANCED VAPOR RECOVERY SYSTEM SHALL BE FULLY PERMITTED, INSTALLED, AND TESTED BY OCTOBER 1, 2008. FAILURE TO ACHIEVE THIS CONDITION BY OCTOBER 1, 2008, SHALL RESULT IN THE OWNER/OPERATOR TO FILE A DISTRICT APPROVED COMPLIANCE PLAN OUTLINING THE INCREMENTS OF PROGRESS TOWARDS COMPLETING THE INSTALLATION OF A CARB CERTIFIED PHASE II ENHANCED VAPOR RECOVERY SYSTEM BY APRIL 1, 2009.
[RULE 461]

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21. IF THE OWNER/OPERATOR PLANS TO PERMANENTLY CEASE ALL GASOLINE DISPENSING OPERATIONS BEFORE APRIL 1, 2009, A COMPLIANCE PLAN SHALL BE FILED DECLARING TO IRREVOCABLY SURRENDER THEIR PERMIT TO OPERATE.
[RULE 461]
22. THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO ANY OF THE ABOVE MENTIONED TESTING REQUIREMENTS. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE TESTS TO BE PERFORMED.
[RULE 461]
23. THE TESTING FOR THE ABOVE MENTIONED TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE MOST RECENT RULE 461 AMENDMENT OR CARB EXECUTIVE ORDER REQUIREMENTS, WHICHEVER IS MORE STRINGENT.
[RULE 461]
24. ALL RECORDS AND TEST RESULTS THAT ARE REQUIRED TO BE MAINTAINED BY RULE 461 SHALL BE KEPT ON SITE FOR FIVE YEARS AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.
[RULE 461]
25. SHOULD THE FACILITY DISPENSE MORE THAN 600,000 GALLONS OF GASOLINE PER CALENDAR YEAR AND IF THE FACILITY UNDERGOES A MAJOR MODIFICATION AS DEFINED BY CARB'S ADVISORY LETTER NUMBER 336, "ENHANCED VAPOR RECOVERY IMPLEMENTATION UPDATE" DATED APRIL 15, 2005; THE OPERATOR SHALL IMMEDIATELY CEASE ALL GASOLINE DISPENSING OPERATIONS AND FILE AN APPLICATION FOR A NEW PERMIT TO CONSTRUCT/OPERATE TO INSTALL A CARB CERTIFIED ISD SYSTEM. GASOLINE DISPENSING OPERATIONS SHALL NOT RESUME UNTIL THE ISD SYSTEM HAS BEEN GRANTED A PERMIT TO CONSTRUCT/OPERATE AND HAS BEEN FULLY INSTALLED, TESTED, AND OPERATIVE.
[RULE 461]
26. SHOULD THE FACILITY DISPENSE MORE THAN 600,000 GALLONS OF GASOLINE IN ANY CALENDAR YEAR AND IF THE FACILITY DOES NOT UNDERGO A MAJOR MODIFICATION AS DEFINED BY CARB'S ADVISORY LETTER NUMBER 336, "ENHANCED VAPOR RECOVERY IMPLEMENTATION UPDATE" DATED APRIL 15, 2005; THE OPERATOR SHALL FILE AN APPLICATION FOR A NEW PERMIT TO CONSTRUCT/OPERATE TO INSTALL A CARB CERTIFIED ISD SYSTEM. THE ISD SYSTEM SHALL BE FULLY INSTALLED, TESTED, AND OPERATIVE BASED ON THE FOLLOWING TABLE:

<u>GASOLINE THROUGHPUT PER CALENDAR YEAR</u>	<u>DATE</u>
GREATER THAN 1.8 MILLION GALLONS	SEPTEMBER 1, 2009
BETWEEN 600,000 AND 1.8 MILLION GALLONS	SEPTEMBER 1, 2010

[RULE 461]

Periodic Monitoring:

27. THE OPERATOR SHALL HAVE A PERSON THAT HAS BEEN TRAINED IN ACCORDANCE WITH RULE 461(d)(4) CONDUCT A SEMI-ANNUAL INSPECTION OF THE GASOLINE TRANSFER AND

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DISPENSING EQUIPMENT. THE FIRST INSPECTION SHALL BE IN ACCORDANCE WITH RULE 461, ATTACHMENT B, THE SECOND INSPECTION SHALL BE IN ACCORDANCE WITH RULE 461, ATTACHMENT C, AND THE SUBSEQUENT INSPECTIONS SHALL ALTERNATE PROTOCOLS. THE OPERATOR SHALL KEEP RECORDS OF THE INSPECTION AND THE REPAIRS IN ACCORDANCE TO RULE 461 AND SECTION K OF THIS PERMIT.
[RULE 3004 (a)(4)]

Emissions And Requirements:

28. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- VOC: RULE 461
 - VOC: RULE 1170

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PERMIT TO CONSTRUCT/OPERATE

**Permit No. G3209
A/N 492405**

Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 6063-HV35, TURBOCHARGED, AFTERCOOLED, SIX CYLINDERS, 550 BHP, LOCATED AT THE PERFORMING AND FINE ARTS COMPLEX.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING, AND NO MORE THAN 4.2 HOURS IN ANY ONE MONTH FOR MAINTENANCE AND TESTING.
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
4. AN OPERATIONAL NON-RESETTING ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470, RULE 1472]
5. OPERATION BEYOND THE 50 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
6. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO DO SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1470]

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7. THE OPERATOR SHALL KEEP A LOG OF ENGINE OPERATIONS DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND THE SPECIFIC REASON FOR OPERATION AS :

- A. EMERGENCY USE
- B. MAINTENANCE AND TESTING
- C. OTHERS (SPECIFY)

IN ADDITION, FOR EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF ENGINE OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READINGS (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND THE END OF THE OPERATION.

[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

8. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG :

A. THE TOTAL HOURS OF ENGINE OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND

B. THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.

[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

9. ENGINE OPERATION LOGS SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE CALENDAR YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.

[RULE 1470]

10. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 1470 AND 1472.

[RULE 1470, RULE 1472]

11. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.

[RULE 1470, RULE 431.2]

12. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST

[RULE 1470, RULE 431.2]

Emissions And Requirements:

13. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 1470

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PERMIT TO CONSTRUCT/OPERATE

Permit No. G3544
A/N 496061

Equipment Description:

BOILER PARKER, WATER TUBE TYPE, MODEL NO. 105-90LR, RATED AT 3,780,000 BTU/HR, NATURAL GAS-FIRED, WITH ONE PARKER PREMIX METAL FIBER LOW NOX BURNER, MODEL NO. PB-36LN, LOCATED AT BLDG E-9.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS BOILER SHALL BE FIRED WITH NATURAL GAS ONLY.
[RULE 1146.1]
4. THIS BOILER SHALL EMIT NO MORE THAN 12 PPMV OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NO MORE THAN 100 PPMV OF CARBON MONOXIDE (CO), ALL CORRECTED TO 3% O₂ ON A DRY BASIS AND AVERAGED OVER ONE (1) HOUR .
[RULE 1146.1, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
5. THE OPERATOR OF THIS BOILER SHALL COMPLY WITH THE SOURCE TESTING REQUIREMENTS OF RULE 1146.1(d)(6) AND (7).
[RULE 1146.1, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
6. THIS BOILER SHALL USE NO MORE THAN 6,900 THERMS (655,000 CU. FT.) OF NATURAL GAS FUEL PER MONTH.
[RULE 1303(b)(2)-OFFSET]
7. A NON-RESETTABLE TOTALIZING FUEL METER SHALL BE INSTALLED IN THE FUEL SUPPLY LINE TO THIS BOILER AND MAINTAINED IN GOOD OPERATING CONDITION.
[RULE 1303(b)(2)-OFFSET]
8. RECORDS OF MONTHLY NATURAL GAS FUEL USAGE FOR THIS BOILER SHALL BE PREPARED, SHALL BE RETAINED ON SITE FOR FIVE YEARS, AND SHALL BE MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.
[RULE 1303(b)(2)-OFFSET]

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9. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT SOURCE TESTS UNDER THE FOLLOWING CONDITIONS:
- A. SOURCE TESTING SHALL BE CONDUCTED WITHIN 60 DAYS AFTER INITIAL START-UP UNLESS OTHERWISE APPROVED IN WRITING BY THE EXECUTIVE OFFICER.
 - B. THE SOURCE TESTS SHALL BE PERFORMED TO VERIFY COMPLIANCE WITH THE NO_x AND CO EMISSION LIMITS SPECIFIED BY THIS PERMIT.
 - C. THE TESTS SHALL BE CONDUCTED WHILE THE BOILER IS FIRING AT MAXIMUM, MINIMUM AND AVERAGE FIRING RATES.
 - D. WRITTEN NOTICE OF THE SOURCE TESTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765) AT LEAST 10 DAYS PRIOR TO TESTING SO THAT AN OBSERVER MAY BE PRESENT.
 - E. TWO COMPLETE COPIES OF THE SOURCE TEST REPORTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765) WITHIN 30 DAYS AFTER THE TEST. THE REPORT SHALL INCLUDE, BUT NOT BE LIMITED TO EMISSIONS RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE HEATER, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATING DATA SHALL ALSO BE INCLUDED FOR EACH FIRING RATE:
 - I. THE EXHAUST FLOW RATES, IN ACTUAL CUBIC FEET PER MINUTE (ACFM).
 - II. THE FIRING RATES, IN BTU PER HOUR.
 - III. THE EXHAUST TEMPERATURE, IN DEGREES FAHRENHEIT.
 - IV. THE OXYGEN CONTENT OF THE EXHAUST GASES, IN PERCENT.
 - V. THE FUEL FLOW RATE.
 - F. A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANT TO BE MEASURED, AND IN COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TEST.
 - G. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES PURSUANT TO RULE 217. [RULE 1146.1, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

Emissions And Requirements:

10. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- NO_x: 30 PPMV, RULE 1146.1
 - NO_x: 12 PPMV, RULE 1303(a)(1)-BACT
 - NO_x: 9 PPMV, RULE 1146.1, EFFECTIVE 1/1/2014
 - CO: 400 PPMV, RULE 1146.1
 - CO: 100 PPMV, RULE 1303(a)(1)-BACT

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CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

PERMIT TO CONSTRUCT/OPERATE

Permit No. G7589
A/N 501193

Equipment Description:

BOILER NO. 1, CAMUS, WATER TUBE TYPE, MODEL NO. DYNAFLAME DFNH-5001, RATED AT 4,999,000 BTU/HR, NATURAL GAS-FIRED, WITH ONE DYNAFLAME METAL FIBER LOW NO_x BURNER, LOCATED AT THE CENTRAL PLANT.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS BOILER SHALL BE FIRED WITH NATURAL GAS ONLY.
[RULE 1146.1]
4. THIS BOILER SHALL EMIT NO MORE THAN 12 PPMV OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NO MORE THAN 100 PPMV OF CARBON MONOXIDE (CO), ALL CORRECTED TO 3% O₂ ON A DRY BASIS AND AVERAGED OVER ONE (1) HOUR .
[RULE 1146.1, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
5. ON OR AFTER JANUARY 1, 2014, THIS BOILER SHALL EMIT NO MORE THAN 9 PPMV OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂ AND CORRECTED TO 3% O₂ ON A DRY BASIS, OR 0.011 LB NO_x PER MILLION BTU OF HEAT INPUT.
[RULE 1146.1]
6. THE OPERATOR OF THIS BOILER SHALL COMPLY WITH THE SOURCE TESTING REQUIREMENTS OF RULE 1146.1(d)(6) AND (7).
[RULE 1146.1, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
7. THIS BOILER SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1146.1.
[RULE 1146.1]
8. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT SOURCE TESTS UNDER THE FOLLOWING CONDITIONS:

A. SOURCE TESTING, IN ACCORDANCE WITH AN APPROVED SOURCE TEST PROTOCOL, SHALL BE CONDUCTED WITHIN 60 DAYS AFTER INITIAL START-UP UNLESS OTHERWISE APPROVED IN WRITING BY THE EXECUTIVE OFFICER.

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B. THE SOURCE TESTS SHALL BE PERFORMED TO VERIFY COMPLIANCE WITH THE NOX AND CO EMISSION LIMITS SPECIFIED BY THIS PERMIT.

C. THE TESTS SHALL BE CONDUCTED WHILE THE BOILER IS FIRING AT MAXIMUM, MINIMUM AND AVERAGE LOADS USING NATURAL GAS. THE SAMPLING TIMES SHALL BE AT LEAST 15 CONSECUTIVE MINUTES FOR MAXIMUM AND MINIMUM LOADS AND AT LEAST ONE (1) HOUR FOR NORMAL OPERATING LOAD.

D. WRITTEN NOTICE OF THE SOURCE TESTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765) AT LEAST 10 DAYS PRIOR TO TESTING SO THAT AN OBSERVER MAY BE PRESENT. THE TEST PROTOCOL SHALL BE SUBMITTED TO SCAQMD FOR APPROVAL AT LEAST 30 DAYS PRIOR TO TESTING.

E. TWO COMPLETE COPIES OF THE SOURCE TEST REPORTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765) WITHIN 30 DAYS AFTER THE TEST. THE REPORT SHALL INCLUDE, BUT NOT BE LIMITED TO EMISSIONS RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE BOILER, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATING DATA SHALL ALSO BE INCLUDED FOR EACH FIRING RATE:

- I. THE EXHAUST FLOW RATES, IN ACTUAL CUBIC FEET PER MINUTE (ACFM).
- II. THE FIRING RATES, IN BTU PER HOUR.
- III. THE EXHAUST TEMPERATURE, IN DEGREES FAHRENHEIT.
- IV. THE OXYGEN CONTENT OF THE EXHAUST GASES, IN PERCENT.
- V. THE FUEL FLOW RATE.

F. A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANT TO BE MEASURED, AND IN COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TEST.

G. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217. [RULE 1146.1, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

Emissions And Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

NOx: 30 PPMV, RULE 1146.1
NOx: 12 PPMV, RULE 1303(a)(1)-BACT
NOx: 9 PPMV, RULE 1146.1, EFFECTIVE 1/1/2014
CO: 400 PPMV, RULE 1146.1
CO: 100 PPMV, RULE 1303(a)(1)-BACT
CO: 2000 PPMV, RULE 407

**FACILITY PERMIT TO OPERATE
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PM: 0.1 GR/SCF, RULE 409

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

PERMIT TO CONSTRUCT/OPERATE

Permit No. G7594
A/N 501194

Equipment Description:

BOILER NO. 2, CAMUS, WATER TUBE TYPE, MODEL NO. DYNAFLAME DFNH-5001, RATED AT 4,999,000 BTU/HR, NATURAL GAS-FIRED, WITH ONE DYNAFLAME METAL FIBER LOW NO_x BURNER, LOCATED AT THE CENTRAL PLANT.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS BOILER SHALL BE FIRED WITH NATURAL GAS ONLY.
[RULE 1146.1]
4. THIS BOILER SHALL EMIT NO MORE THAN 12 PPMV OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NO MORE THAN 100 PPMV OF CARBON MONOXIDE (CO), ALL CORRECTED TO 3% O₂ ON A DRY BASIS AND AVERAGED OVER ONE (1) HOUR.
[RULE 1146.1, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
5. ON OR AFTER JANUARY 1, 2014, THIS BOILER SHALL EMIT NO MORE THAN 9 PPMV OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂ AND CORRECTED TO 3% O₂ ON A DRY BASIS, OR 0.011 LB NO_x PER MILLION BTU OF HEAT INPUT.
[RULE 1146.1]
6. THE OPERATOR OF THIS BOILER SHALL COMPLY WITH THE SOURCE TESTING REQUIREMENTS OF RULE 1146.1(d)(6) AND (7).
[RULE 1146.1, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
7. THIS BOILER SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1146.1.
[RULE 1146.1]
8. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT SOURCE TESTS UNDER THE FOLLOWING CONDITIONS:
 - A. SOURCE TESTING, IN ACCORDANCE WITH AN APPROVED SOURCE TEST PROTOCOL, SHALL BE CONDUCTED WITHIN 60 DAYS AFTER INITIAL START-UP UNLESS OTHERWISE APPROVED IN WRITING BY THE EXECUTIVE OFFICER.

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B. THE SOURCE TESTS SHALL BE PERFORMED TO VERIFY COMPLIANCE WITH THE NOX AND CO EMISSION LIMITS SPECIFIED BY THIS PERMIT.

C. THE TESTS SHALL BE CONDUCTED WHILE THE BOILER IS FIRING AT MAXIMUM, MINIMUM AND AVERAGE LOADS USING NATURAL GAS. THE SAMPLING TIMES SHALL BE AT LEAST 15 CONSECUTIVE MINUTES FOR MAXIMUM AND MINIMUM LOADS AND AT LEAST ONE (1) HOUR FOR NORMAL OPERATING LOAD.

D. WRITTEN NOTICE OF THE SOURCE TESTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765) AT LEAST 10 DAYS PRIOR TO TESTING SO THAT AN OBSERVER MAY BE PRESENT. THE TEST PROTOCOL SHALL BE SUBMITTED TO SCAQMD FOR APPROVAL AT LEAST 30 DAYS PRIOR TO TESTING.

E. TWO COMPLETE COPIES OF THE SOURCE TEST REPORTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765) WITHIN 30 DAYS AFTER THE TEST. THE REPORT SHALL INCLUDE, BUT NOT BE LIMITED TO EMISSIONS RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE BOILER, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATING DATA SHALL ALSO BE INCLUDED FOR EACH FIRING RATE:

- I. THE EXHAUST FLOW RATES, IN ACTUAL CUBIC FEET PER MINUTE (ACFM).
- II. THE FIRING RATES, IN BTU PER HOUR.
- III. THE EXHAUST TEMPERATURE, IN DEGREES FAHRENHEIT.
- IV. THE OXYGEN CONTENT OF THE EXHAUST GASES, IN PERCENT.
- V. THE FUEL FLOW RATE.

F. A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANT TO BE MEASURED, AND IN COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TEST.

G. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217. [RULE 1146.1, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

Emissions And Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

NOx: 30 PPMV, RULE 1146.1
NOx: 12 PPMV, RULE 1303(a)(1)-BACT
NOx: 9 PPMV, RULE 1146.1, EFFECTIVE 1/1/2014
CO: 400 PPMV, RULE 1146.1
CO: 100 PPMV, RULE 1303(a)(1)-BACT
CO: 2000 PPMV, RULE 407

**FACILITY PERMIT TO OPERATE
EAST LOS ANGELES COLLEGE**

PM: 0.1 GR/SCF, RULE 409

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

PERMIT TO CONSTRUCT/OPERATE

Permit No. G7593
A/N 501195

Equipment Description:

BOILER NO. 3, CAMUS, WATER TUBE TYPE, MODEL NO. DYNAFLAME DFNH-5001, RATED AT 4,999,000 BTU/HR, NATURAL GAS-FIRED, WITH ONE DYNAFLAME METAL FIBER LOW NO_x BURNER, LOCATED AT THE CENTRAL PLANT.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS BOILER SHALL BE FIRED WITH NATURAL GAS ONLY.
[RULE 1146.1]
4. THIS BOILER SHALL EMIT NO MORE THAN 12 PPMV OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NO MORE THAN 100 PPMV OF CARBON MONOXIDE (CO), ALL CORRECTED TO 3% O₂ ON A DRY BASIS AND AVERAGED OVER ONE (1) HOUR.
[RULE 1146.1, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
5. ON OR AFTER JANUARY 1, 2014, THIS BOILER SHALL EMIT NO MORE THAN 9 PPMV OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂ AND CORRECTED TO 3% O₂ ON A DRY BASIS, OR 0.011 LB NO_x PER MILLION BTU OF HEAT INPUT.
[RULE 1146.1]
6. THE OPERATOR OF THIS BOILER SHALL COMPLY WITH THE SOURCE TESTING REQUIREMENTS OF RULE 1146.1(d)(6) AND (7).
[RULE 1146.1, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
7. THIS BOILER SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1146.1.
[RULE 1146.1]
8. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT SOURCE TESTS UNDER THE FOLLOWING CONDITIONS:
 - A. SOURCE TESTING, IN ACCORDANCE WITH AN APPROVED SOURCE TEST PROTOCOL, SHALL BE CONDUCTED WITHIN 60 DAYS AFTER INITIAL START-UP UNLESS OTHERWISE APPROVED IN WRITING BY THE EXECUTIVE OFFICER.

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B. THE SOURCE TESTS SHALL BE PERFORMED TO VERIFY COMPLIANCE WITH THE NOX AND CO EMISSION LIMITS SPECIFIED BY THIS PERMIT.

C. THE TESTS SHALL BE CONDUCTED WHILE THE BOILER IS FIRING AT MAXIMUM, MINIMUM AND AVERAGE LOADS USING NATURAL GAS. THE SAMPLING TIMES SHALL BE AT LEAST 15 CONSECUTIVE MINUTES FOR MAXIMUM AND MINIMUM LOADS AND AT LEAST ONE (1) HOUR FOR NORMAL OPERATING LOAD.

D. WRITTEN NOTICE OF THE SOURCE TESTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765) AT LEAST 10 DAYS PRIOR TO TESTING SO THAT AN OBSERVER MAY BE PRESENT. THE TEST PROTOCOL SHALL BE SUBMITTED TO SCAQMD FOR APPROVAL AT LEAST 30 DAYS PRIOR TO TESTING.

E. TWO COMPLETE COPIES OF THE SOURCE TEST REPORTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765) WITHIN 30 DAYS AFTER THE TEST. THE REPORT SHALL INCLUDE, BUT NOT BE LIMITED TO EMISSIONS RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE BOILER, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATING DATA SHALL ALSO BE INCLUDED FOR EACH FIRING RATE:

- I. THE EXHAUST FLOW RATES, IN ACTUAL CUBIC FEET PER MINUTE (ACFM).
- II. THE FIRING RATES, IN BTU PER HOUR.
- III. THE EXHAUST TEMPERATURE, IN DEGREES FAHRENHEIT.
- IV. THE OXYGEN CONTENT OF THE EXHAUST GASES, IN PERCENT.
- V. THE FUEL FLOW RATE.

F. A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANT TO BE MEASURED, AND IN COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TEST.

G. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217. [RULE 1146.1, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

Emissions And Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

NOx: 30 PPMV, RULE 1146.1
NOx: 12 PPMV, RULE 1303(a)(1)-BACT
NOx: 9 PPMV, RULE 1146.1, EFFECTIVE 1/1/2014
CO: 400 PPMV, RULE 1146.1
CO: 100 PPMV, RULE 1303(a)(1)-BACT
CO: 2000 PPMV, RULE 407

**FACILITY PERMIT TO OPERATE
EAST LOS ANGELES COLLEGE**

PM: 0.1 GR/SCF, RULE 409

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

PERMIT TO CONSTRUCT/OPERATE

Permit No. G7592
A/N 501196

Equipment Description:

BOILER NO. 4, CAMUS, WATER TUBE TYPE, MODEL NO. DYNAFLAME DFNH-5001, RATED AT 4,999,000 BTU/HR, NATURAL GAS-FIRED, WITH ONE DYNAFLAME METAL FIBER LOW NO_x BURNER, LOCATED AT THE CENTRAL PLANT.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS BOILER SHALL BE FIRED WITH NATURAL GAS ONLY.
[RULE 1146.1]
4. THIS BOILER SHALL EMIT NO MORE THAN 12 PPMV OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NO MORE THAN 100 PPMV OF CARBON MONOXIDE (CO), ALL CORRECTED TO 3% O₂ ON A DRY BASIS AND AVERAGED OVER ONE (1) HOUR.
[RULE 1146.1, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
5. ON OR AFTER JANUARY 1, 2014, THIS BOILER SHALL EMIT NO MORE THAN 9 PPMV OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂ AND CORRECTED TO 3% O₂ ON A DRY BASIS, OR 0.011 LB NO_x PER MILLION BTU OF HEAT INPUT.
[RULE 1146.1]
6. THE OPERATOR OF THIS BOILER SHALL COMPLY WITH THE SOURCE TESTING REQUIREMENTS OF RULE 1146.1(d)(6) AND (7).
[RULE 1146.1, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
7. THIS BOILER SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1146.1.
[RULE 1146.1]
8. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT SOURCE TESTS UNDER THE FOLLOWING CONDITIONS:
 - A. SOURCE TESTING, IN ACCORDANCE WITH AN APPROVED SOURCE TEST PROTOCOL, SHALL BE CONDUCTED WITHIN 60 DAYS AFTER INITIAL START-UP UNLESS OTHERWISE APPROVED IN WRITING BY THE EXECUTIVE OFFICER.

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B. THE SOURCE TESTS SHALL BE PERFORMED TO VERIFY COMPLIANCE WITH THE NOX AND CO EMISSION LIMITS SPECIFIED BY THIS PERMIT.

C. THE TESTS SHALL BE CONDUCTED WHILE THE BOILER IS FIRING AT MAXIMUM, MINIMUM AND AVERAGE LOADS USING NATURAL GAS. THE SAMPLING TIMES SHALL BE AT LEAST 15 CONSECUTIVE MINUTES FOR MAXIMUM AND MINIMUM LOADS AND AT LEAST ONE (1) HOUR FOR NORMAL OPERATING LOAD.

D. WRITTEN NOTICE OF THE SOURCE TESTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765) AT LEAST 10 DAYS PRIOR TO TESTING SO THAT AN OBSERVER MAY BE PRESENT. THE TEST PROTOCOL SHALL BE SUBMITTED TO SCAQMD FOR APPROVAL AT LEAST 30 DAYS PRIOR TO TESTING.

E. TWO COMPLETE COPIES OF THE SOURCE TEST REPORTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765) WITHIN 30 DAYS AFTER THE TEST. THE REPORT SHALL INCLUDE, BUT NOT BE LIMITED TO EMISSIONS RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE BOILER, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATING DATA SHALL ALSO BE INCLUDED FOR EACH FIRING RATE:

- I. THE EXHAUST FLOW RATES, IN ACTUAL CUBIC FEET PER MINUTE (ACFM).
- II. THE FIRING RATES, IN BTU PER HOUR.
- III. THE EXHAUST TEMPERATURE, IN DEGREES FAHRENHEIT.
- IV. THE OXYGEN CONTENT OF THE EXHAUST GASES, IN PERCENT.
- V. THE FUEL FLOW RATE.

F. A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANT TO BE MEASURED, AND IN COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TEST.

G. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217. [RULE 1146.1, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

Emissions And Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

NOx: 30 PPMV, RULE 1146.1
NOx: 12 PPMV, RULE 1303(a)(1)-BACT
NOx: 9 PPMV, RULE 1146.1, EFFECTIVE 1/1/2014
CO: 400 PPMV, RULE 1146.1
CO: 100 PPMV, RULE 1303(a)(1)-BACT
CO: 2000 PPMV, RULE 407

**FACILITY PERMIT TO OPERATE
EAST LOS ANGELES COLLEGE**

PM: 0.1 GR/SCF, RULE 409

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

PERMIT TO CONSTRUCT/OPERATE

Permit No. G7591
A/N 501197

Equipment Description:

BOILER NO. 5, CAMUS, WATER TUBE TYPE, MODEL NO. DYNAFLAME DFNH-5001, RATED AT 4,999,000 BTU/HR, NATURAL GAS-FIRED, WITH ONE DYNAFLAME METAL FIBER LOW NO_x BURNER, LOCATED AT THE CENTRAL PLANT.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS BOILER SHALL BE FIRED WITH NATURAL GAS ONLY.
[RULE 1146.1]
4. THIS BOILER SHALL EMIT NO MORE THAN 12 PPMV OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NO MORE THAN 100 PPMV OF CARBON MONOXIDE (CO), ALL CORRECTED TO 3% O₂ ON A DRY BASIS AND AVERAGED OVER ONE (1) HOUR .
[RULE 1146.1, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
5. ON OR AFTER JANUARY 1, 2014, THIS BOILER SHALL EMIT NO MORE THAN 9 PPMV OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂ AND CORRECTED TO 3% O₂ ON A DRY BASIS, OR 0.011 LB NO_x PER MILLION BTU OF HEAT INPUT.
[RULE 1146.1]
6. THE OPERATOR OF THIS BOILER SHALL COMPLY WITH THE SOURCE TESTING REQUIREMENTS OF RULE 1146.1(d)(6) AND (7).
[RULE 1146.1, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
7. THIS BOILER SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1146.1.
[RULE 1146.1]
8. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT SOURCE TESTS UNDER THE FOLLOWING CONDITIONS:

A. SOURCE TESTING, IN ACCORDANCE WITH AN APPROVED SOURCE TEST PROTOCOL, SHALL BE CONDUCTED WITHIN 60 DAYS AFTER INITIAL START-UP UNLESS OTHERWISE APPROVED IN WRITING BY THE EXECUTIVE OFFICER.

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B. THE SOURCE TESTS SHALL BE PERFORMED TO VERIFY COMPLIANCE WITH THE NOX AND CO EMISSION LIMITS SPECIFIED BY THIS PERMIT.

C. THE TESTS SHALL BE CONDUCTED WHILE THE BOILER IS FIRING AT MAXIMUM, MINIMUM AND AVERAGE LOADS USING NATURAL GAS. THE SAMPLING TIMES SHALL BE AT LEAST 15 CONSECUTIVE MINUTES FOR MAXIMUM AND MINIMUM LOADS AND AT LEAST ONE (1) HOUR FOR NORMAL OPERATING LOAD.

D. WRITTEN NOTICE OF THE SOURCE TESTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765) AT LEAST 10 DAYS PRIOR TO TESTING SO THAT AN OBSERVER MAY BE PRESENT. THE TEST PROTOCOL SHALL BE SUBMITTED TO SCAQMD FOR APPROVAL AT LEAST 30 DAYS PRIOR TO TESTING.

E. TWO COMPLETE COPIES OF THE SOURCE TEST REPORTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765) WITHIN 30 DAYS AFTER THE TEST. THE REPORT SHALL INCLUDE, BUT NOT BE LIMITED TO EMISSIONS RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE BOILER, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATING DATA SHALL ALSO BE INCLUDED FOR EACH FIRING RATE:

- I. THE EXHAUST FLOW RATES, IN ACTUAL CUBIC FEET PER MINUTE (ACFM).
- II. THE FIRING RATES, IN BTU PER HOUR.
- III. THE EXHAUST TEMPERATURE, IN DEGREES FAHRENHEIT.
- IV. THE OXYGEN CONTENT OF THE EXHAUST GASES, IN PERCENT.
- V. THE FUEL FLOW RATE.

F. A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANT TO BE MEASURED, AND IN COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TEST.

G. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217. [RULE 1146.1, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

Emissions And Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

NOx: 30 PPMV, RULE 1146.1
NOx: 12 PPMV, RULE 1303(a)(1)-BACT
NOx: 9 PPMV, RULE 1146.1, EFFECTIVE 1/1/2014
CO: 400 PPMV, RULE 1146.1
CO: 100 PPMV, RULE 1303(a)(1)-BACT
CO: 2000 PPMV, RULE 407

**FACILITY PERMIT TO OPERATE
EAST LOS ANGELES COLLEGE**

PM: 0.1 GR/SCF, RULE 409

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

PERMIT TO CONSTRUCT/OPERATE

**Permit No. G7590
A/N 501198**

Equipment Description:

(Located at the Central Plant)

BOILER NO. 6, CAMUS, WATER TUBE TYPE, MODEL NO. DYNAFLAME DFNH-5001, RATED AT 4,999,000 BTU/HR, NATURAL GAS-FIRED, WITH ONE DYNAFLAME METAL FIBER LOW NO_x BURNER, LOCATED AT THE CENTRAL PLANT, LOCATED AT CENTRAL PLANT.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS BOILER SHALL BE FIRED WITH NATURAL GAS ONLY.
[RULE 1146.1]
4. THIS BOILER SHALL EMIT NO MORE THAN 12 PPMV OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NO MORE THAN 100 PPMV OF CARBON MONOXIDE (CO), ALL CORRECTED TO 3% O₂ ON A DRY BASIS AND AVERAGED OVER ONE (1) HOUR .
[RULE 1146.1, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
5. ON OR AFTER JANUARY 1, 2014, THIS BOILER SHALL EMIT NO MORE THAN 9 PPMV OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂ AND CORRECTED TO 3% O₂ ON A DRY BASIS, OR 0.011 LB NO_x PER MILLION BTU OF HEAT INPUT.
[RULE 1146.1]
6. THE OPERATOR OF THIS BOILER SHALL COMPLY WITH THE SOURCE TESTING REQUIREMENTS OF RULE 1146.1(d)(6) AND (7).
[RULE 1146.1, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
7. THIS BOILER SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1146.1.
[RULE 1146.1]
8. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT SOURCE TESTS UNDER THE FOLLOWING CONDITIONS:

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A. SOURCE TESTING, IN ACCORDANCE WITH AN APPROVED SOURCE TEST PROTOCOL, SHALL BE CONDUCTED WITHIN 60 DAYS AFTER INITIAL START-UP UNLESS OTHERWISE APPROVED IN WRITING BY THE EXECUTIVE OFFICER.

B. THE SOURCE TESTS SHALL BE PERFORMED TO VERIFY COMPLIANCE WITH THE NOX AND CO EMISSION LIMITS SPECIFIED BY THIS PERMIT.

C. THE TESTS SHALL BE CONDUCTED WHILE THE BOILER IS FIRING AT MAXIMUM, MINIMUM AND AVERAGE LOADS USING NATURAL GAS. THE SAMPLING TIMES SHALL BE AT LEAST 15 CONSECUTIVE MINUTES FOR MAXIMUM AND MINIMUM LOADS AND AT LEAST ONE (1) HOUR FOR NORMAL OPERATING LOAD.

D. WRITTEN NOTICE OF THE SOURCE TESTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765) AT LEAST 10 DAYS PRIOR TO TESTING SO THAT AN OBSERVER MAY BE PRESENT. THE TEST PROTOCOL SHALL BE SUBMITTED TO SCAQMD FOR APPROVAL AT LEAST 30 DAYS PRIOR TO TESTING.

E. TWO COMPLETE COPIES OF THE SOURCE TEST REPORTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765) WITHIN 30 DAYS AFTER THE TEST. THE REPORT SHALL INCLUDE, BUT NOT BE LIMITED TO EMISSIONS RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE BOILER, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATING DATA SHALL ALSO BE INCLUDED FOR EACH FIRING RATE:

- I. THE EXHAUST FLOW RATES, IN ACTUAL CUBIC FEET PER MINUTE (ACFM).
- II. THE FIRING RATES, IN BTU PER HOUR.
- III. THE EXHAUST TEMPERATURE, IN DEGREES FAHRENHEIT.
- IV. THE OXYGEN CONTENT OF THE EXHAUST GASES, IN PERCENT.
- V. THE FUEL FLOW RATE.

F. A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANT TO BE MEASURED, AND IN COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TEST.

G. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217. [RULE 1146.1, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

Emissions And Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

NOx: 30 PPMV, RULE 1146.1
NOx: 12 PPMV, RULE 1303(a)(1)-BACT
NOx: 9 PPMV, RULE 1146.1, EFFECTIVE 1/1/2014

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EAST LOS ANGELES COLLEGE**

CO: 400 PPMV, RULE 1146.1
CO: 100 PPMV, RULE 1303(a)(1)-BACT
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

PERMIT TO CONSTRUCT/OPERATE

**Permit No. G7588
A/N 501199**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. C-9, TURBOCHARGED, AFTERCOOLED, SIX CYLINDERS, 4-CYCLE, 398 BHP, EQUIPPED WITH A DIESEL PARTICULATE FILTER, CLEAN AIR SYSTEMS, CLEAN AIRPERMIT FILTER, AND A HIBACK DATA LOGGING AND ALARM SYSTEM, LOCATED AT THE CENTRAL PLANT.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING, AND NO MORE THAN 4.2 HOURS IN ANY ONE MONTH FOR MAINTENANCE AND TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
4. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
5. OPERATION BEYOND THE 50 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1470]
6. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO DO SO BY THE UTILITY OR THE GRID OPERATOR.

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[RULE 1470]

7. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS ITS EXHAUST IS VENTED TO A DIESEL PARTICULATE FILTER SYSTEM WHICH IS IN FULL OPERATION AND IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 1470]
8. THE OPERATOR SHALL OPERATE THE DIESEL PARTICULATE FILTER SYSTEM ONLY WITH AN OPERATIONAL HIBACK DATA LOGGING AND ALARM SYSTEM.
[RULE 1470]
9. THE HIBACK LOGGING AND ALARM SYSTEM SHALL BE PROGRAMMED TO INTERFACE WITH THE ENGINE CONTROL SYSTEM TO AUTOMATICALLY SHUT THE ENGINE DOWN OR SWITCH IT TO POWER DE-RATING MODE WHENEVER THE BACKPRESSURE OF THE DIESEL PARTICULATE FILTER SYSTEM EXCEEDS THE MAXIMUM BACKPRESSURE SETTING OF 24 INCHES OF WATER.
[RULE 1470]
10. THE TEMPERATURE OF THE ENGINE EXHAUST GAS AT THE INLET TO THE DIESEL PARTICULATE FILTER SYSTEM SHALL BE GREATER THAN OR EQUAL TO 300 DEGREES CELSIUS (572 DEGREES FAHRENHEIT) FOR 30% OF THE OPERATING TIME.
[RULE 1470]
11. THE OPERATOR SHALL KEEP MONTHLY RECORDS OF TEMPERATURE, PRESSURE, DATE AND TIME FOR THE DUTY CYCLE OF THE ENGINE AS DOWNLOADED FROM THE HIBACK LOGGING SYSTEM. THESE MONTHLY RECORDS SHALL BE KEPT IN A FORMAT APPROVED BY THE EXECUTIVE OFFICER AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS. THE RECORDS SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1470]
12. THE OPERATOR SHALL MANUALLY TEST THE LED ALARM SYSTEM FOLLOWING THE PROCEDURES DESCRIBED IN THE MANUFACTURER'S INSTRUCTION MANUAL "TESTING THE SYSTEM WITH THE OPTIONAL TEST KIT". THE TEST SHALL BE CONDUCTED WITHIN SIX MONTHS FROM THE DATE OF THE ISSUANCE OF THIS PERMIT AND ANNUALLY THEREAFTER. THE TEST RECORDS SHALL BE KEPT ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1470]
13. THE OPERATOR SHALL REGENERATE THE DIESEL PARTICULATE FILTER AFTER EVERY 24 COLD ENGINE START-UPS OR WHENEVER A "YELLOW" WARNING SIGNAL IS RECEIVED FROM THE HIBACK ALARM SYSTEM, WHICHEVER OCCURS FIRST. IN ORDER TO ACHIEVE FILTER REGENERATION, THE OPERATOR SHALL RUN THE ENGINE UNTIL THE EXHAUST TEMPERATURE EXCEEDS 572 DEGREES FAHRENHEIT AND THE BACKPRESSURE MONITORING SYSTEM INDICATES A NORMAL BACKPRESSURE READING.
[RULE 1470]
14. AFTER EVERY 5,000 HOURS OF NORMAL ENGINE OPERATION (EXCLUDING IDLING SESSIONS), THE OPERATOR SHALL INSPECT THE INTEGRITY OF THE FILTER AND, IF NECESSARY, REPLACE IT.
[RULE 1470]

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15. THE OPERATOR SHALL KEEP RECORDS OF PARTICULATE FILTER INSPECTIONS, REPLACEMENTS AND MANUAL REGENERATIONS. THE OPERATOR SHALL MAINTAIN THESE RECORDS FOR A MINIMUM OF FIVE YEARS AND MAKE THEM AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1470]
16. THE OPERATOR SHALL KEEP A LOG OF ENGINE OPERATIONS DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND THE SPECIFIC REASON FOR OPERATION AS :
 - A. EMERGENCY USE
 - B. MAINTENANCE AND TESTING
 - C. OTHERS (SPECIFY)

IN ADDITION, FOR EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF ENGINE OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READINGS (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND THE END OF THE OPERATION.
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
17. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG :
 - A. THE TOTAL HOURS OF ENGINE OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND
 - B. THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
18. ENGINE OPERATION LOGS SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE CALENDAR YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.
[RULE 1470]
19. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470 AND 1472.
[RULE 1470, RULE 1472]
20. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]
21. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

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22. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

PM: RULE 1470

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PERMIT TO OPERATE

Permit No. N26493
A/N 526903

Equipment Description:

- 1) 1- GASOLINE NOZZLE DISPENSING 1 PRODUCT, EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, BALANCE RETRACTOR.
- 2) 1 - ABOVEGROUND GASOLINE STORAGE TANK, CONTAINMENT SOLUTIONS, INC., HOOVER VAULT TANK (VR-302-C), RECTANGULAR, 12' - 0" L. X 7' - 0" W. X 4' - 6" H., 2,000 GALLON CAPACITY, EQUIPPED WITH A HUSKY 5885 PRESSURE/VACUUM RELIEF VALVE, AND AN OPW PHASE I ENHANCED VAPOR RECOVERY (EVR) SYSTEM (VR-401-C).

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. EXCEPT FOR DIESEL TRANSFERS, PHASE I VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO STORAGE TANKS.
[RULE 461]
4. EXCEPT FOR DIESEL TRANSFERS, PHASE II VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO MOTOR VEHICLES, AS DEFINED IN RULE 461.
[RULE 461]
5. ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT AT THIS FACILITY SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CALIFORNIA AIR RESOURCES BOARD CERTIFICATION REQUIREMENTS.
[RULE 461]
6. NEW EQUIPMENT INSTALLATIONS AND SUBSEQUENT SERVICE AND REPAIRS FOR ANY CERTIFIED COMPONENT FOR WHICH THIS PERMIT WAS ISSUED, SHALL ONLY BE PERFORMED BY A CURRENT AND CERTIFIED PERSON WHO HAS SUCCESSFULLY COMPLETED THE MANUFACTURER'S TRAINING COURSE AND APPROPRIATE INTERNATIONAL CODE COUNCIL (ICC) CERTIFICATION. COMPLETION OF ANY AQMD TRAINING COURSE DOES NOT CONSTITUTE AS A SUBSTITUTE FOR THIS REQUIREMENT. PROOF OF SUCCESSFUL

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COMPLETION OF ANY MANUFACTURER TRAINING COURSE SHALL BE WITH THE MANUFACTURER.

[RULE 461]

7. THE DISTRICT AT ITS DISCRETION MAY WISH TO WITNESS THE INSTALLATION AND/OR PERFORMANCE TESTING OF THE NEW VAPOR RECOVERY EQUIPMENT. AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE INSTALLATION OF THE EQUIPMENT AND ANY OF THE MENTIONED TESTING REQUIREMENTS IN THIS PERMIT, THE APPLICANT SHALL NOTIFY THE AQMD BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE TESTS TO BE PERFORMED.
[RULE 461]
8. AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO BACK-FILLING ANY UNDERGROUND PIPING, THE SCAQMD SHALL BE NOTIFIED BY E-MAIL AT R461BACKFILL@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTORS; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE BACK-FILLING PROCEDURE. THE BACK-FILLING PROCEDURE SHALL NOT COMMENCE UNTIL INSPECTED BY A DISTRICT REPRESENTATIVE.
[RULE 461]
9. IF ROTATABLE VAPOR ADAPTORS ARE INSTALLED, A STATIC TORQUE TEST OF ROTATABLE PHASE I ADAPTORS SHALL BE CONDUCTED TO QUANTIFY THE AMOUNT OF STATIC TORQUE REQUIRED TO START THE ROTATION OF THE ROTATABLE PHASE I ADAPTORS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEST PROCEDURE METHOD OUTLINED IN TP-201.1B (OCTOBER 8, 2003) AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
10. A LEAK RATE AND CRACKING PRESSURE TEST OF PRESSURE/VACUUM RELIEF VENT VALVES SHALL BE CONDUCTED WITHIN THIRTY DAYS (30) AFTER THE START OF OPERATION OF THE OPW PHASE I EVR EQUIPMENT AND AT LEAST ONCE EVERY THREE (3) YEARS THEREAFTER TO DETERMINE THE PRESSURE AND VACUUM AT WHICH THE PRESSURE/VACUUM VENT VALVE ACTUATES, AND TO DETERMINE THE VOLUMETRIC LEAK RATE AT A GIVEN PRESSURE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEST PROCEDURE METHOD TP-201.1E. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST. THIS TEST RESULT SHALL BE KEPT ON SITE FOR THREE (3) YEARS AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.
[RULE 461]
11. A STATIC PRESSURE PERFORMANCE TEST SHALL BE CONDUCTED TO QUANTIFY THE VAPOR TIGHTNESS OF THE ABOVEGROUND STORAGE TANK. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE LATEST VERSION OF EXHIBIT 4 OF CARB EXECUTIVE ORDER VR-401, AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72)

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HOURS OF TEST.
[RULE 461]

12. THE PHASE II VAPOR RECOVERY SYSTEM SHALL BE INSTALLED, OPERATED, AND MAINTAINED SUCH THAT THE MAXIMUM ALLOWABLE PRESSURE THROUGH THE SYSTEM INCLUDING NOZZLE, VAPOR HOSE, SWIVELS, AND UNDERGROUND PIPING DOES NOT EXCEED THE DYNAMIC BACK PRESSURES DESCRIBED BY THE CALIFORNIA AIR RESOURCES BOARD EXECUTIVE ORDER BY WHICH THE SYSTEM WAS CERTIFIED:

NITROGEN FLOWRATES (CFH)	DYNAMIC BACK PRESSURE (INCHES OF WATER)
60	0.35
80	0.62

DYNAMIC BACK PRESSURE TESTS SHALL BE CONDUCTED TO DETERMINE THE PHASE II SYSTEM VAPOR RECOVERY BACK PRESSURES. THE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE TP-201.4, METHODOLOGY 1. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TESTS.
[RULE 461]

13. IF THE CARB EXECUTIVE ORDER REQUIRES THE INSTALLATION OF A LIQUID REMOVAL DEVICE, A LIQUID REMOVAL RATE TEST SHALL BE CONDUCTED TO DEMONSTRATE THE REMOVAL OF GASOLINE FROM THE VAPOR PASSAGE OF THE COAXIAL HOSE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.6. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
14. THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO ANY OF THE ABOVE MENTIONED TESTING REQUIREMENTS. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE TESTS TO BE PERFORMED.
[RULE 461]
15. THE TESTING FOR THE ABOVE MENTIONED TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE MOST RECENT RULE 461 AMENDMENT OR CARB EXECUTIVE ORDER REQUIREMENTS, WHICHEVER IS MORE STRINGENT.
[RULE 461]
16. ALL RECORDS AND TEST RESULTS THAT ARE REQUIRED TO BE MAINTAINED BY RULE 461 SHALL BE MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.
[RULE 461]
17. THE MAXIMUM QUANTITY OF GASOLINE DISPENSED FROM THE STORAGE TANK AT THIS FACILITY SHALL NOT EXCEED 1,000 GALLONS IN ANY ONE CALENDAR MONTH NOR 12,000 GALLONS IN ANY ONE CALENDAR YEAR.
[RULE 1303-(b)(2)-OFFSETS AND RULE 1470]

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18. RECORDS OF MONTHLY AND ANNUAL FUEL DISPENSED SHALL BE PREPARED, SHALL BE RETAINED ON SITE FOR FIVE YEARS, AND SHALL BE MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.
[RULE 1303 (b)(2) AND RULE 1470]

Periodic Monitoring:

19. THE OPERATOR SHALL HAVE A PERSON THAT HAS BEEN TRAINED IN ACCORDANCE WITH RULE 461(C)(6) CONDUCT A SEMI-ANNUAL INSPECTION OF THE GASOLINE TRANSFER AND DISPENSING EQUIPMENT. THE FIRST INSPECTION SHALL BE IN ACCORDANCE WITH RULE 461, ATTACHMENT C, THE SECOND INSPECTION SHALL BE IN ACCORDANCE WITH RULE 461, ATTACHMENT D, AND THE SUBSEQUENT INSPECTIONS SHALL ALTERNATE PROTOCOLS. THE OPERATOR SHALL KEEP RECORDS OF THE INSPECTION AND THE REPAIRS IN ACCORDANCE TO RULE 461 AND SECTION K OF THIS PERMIT.
[RULE 3004 (a)(4)]

Emissions And Requirements:

20. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- VOC: RULE 461
 - VOC: RULE 1170
 - VOC 40 CFR Part 63 Subpart CCCCCC

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PERMIT TO OPERATE

**Permit No.
A/N 534574**

Equipment Description:

INTERNAL COMBUSTION ENGINE, LOCATED AT E7 DATA BLDG, CATERPILLAR, MODEL NO. C4.4, DIESEL-FUELED, FOUR CYLINDERS, FOUR CYCLE, TURBOCHARGED AND AFTERCOOLED, RATED AT 156.8 BHP, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 431.2 AND RULE 1470.
[RULE 1470, RULE 431.2]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.
[RULE 1110.2, RULE 1303 (a), 40 CFR 60.4211 (f)]
5. OPERATING BEYOND THE 50 HOURS PER YEAR ALLOTTED FOR MAINTENANCE AND TESTING PURPOSES SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1470]
6. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1110.2, RULE 1303 (b)(2), RULE 1470, 40 CFR 60.4209 (a)]

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7. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1470]
8. SULFUR CONTENT OF DIESEL FUEL SUPPLIED TO THE ENGINE SHALL NOT EXCEED 15 PPM BY WEIGHT.
[RULE 431.2, 40 CFR 60.4207 (b)]
9. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED, DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND SPECIFIC REASON FOR OPERATION AS:
 - a. EMERGENCY USE.
 - b. MAINTENANCE AND TESTING.
 - c. OTHER (DESCRIBE THE REASON FOR OPERATING).
 - d. IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION.
[RULE 1303 (b)(2), RULE 1470, 40 CFR 60.4214 (b)]
10. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG THE FOLLOWING:

THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND

THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.

THE ENGINE OPERATING LOG SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE CALENDAR YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR REPRESENTATIVE UPON REQUEST.
[RULE 1303 (b)(2)]
11. THE OPERATOR SHALL COMPLY WITH THE EMISSION STANDARDS SPECIFIED IN 40 CFR 60.4205(b) BY PURCHASING AN ENGINE CERTIFIED TO THE EMISSION STANDARDS IN 40 CFR 60.4205(b), AS APPLICABLE, FOR THE SAME MODEL YEAR AND MAXIMUM ENGINE POWER. THE ENGINE MUST BE INSTALLED AND CONFIGURED ACCORDING TO THE MANUFACTURER'S EMISSION RELATED SPECIFICATIONS.
[40 CFR 60.4211(c)]
12. THE OPERATOR SHALL OPERATE AND MAINTAIN THE STATIONARY ENGINE AND CONTROL DEVICE ACCORDING TO THE MANUFACTURER'S WRITTEN EMISSION-RELATED INSTRUCTIONS (OR PROCEDURES DEVELOPED BY THE OPERATOR THAT ARE APPROVED BY THE ENGINE MANUFACTURER), CHANGE ONLY THOSE EMISSION-RELATED SETTINGS THAT ARE PERMITTED BY THE MANUFACTURER, AND MEET THE REQUIREMENTS OF 40 CFR 89, 94 AND/OR 1068, AS THEY APPLY.
[40 CFR 60.4211(a)]

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Emissions And Requirements:

13. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

PM: RULE 1470

NO_x+VOC: 3.0 G/BHP-HR, RULE 1303 (a), RULE 1701, 40 CFR 60.4205 (b)

CO: 3.7 G/BHP-HR, RULE 1701, 40 CFR 60.4205 (b)

PM: 0.15 G/BHP-HR, RULE 1470

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PERMIT TO OPERATE

**Permit No.
A/N 534596**

Equipment Description:

INTERNAL COMBUSTION ENGINE, LOCATED AT SHERIFF STATION, CATERPILLAR, MODEL NO. C4.4, DIESEL-FUELED, FOUR CYLINDERS, FOUR CYCLE, TURBOCHARGED AND AFTERCOOLED, RATED AT 156.8 BHP, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

Conditions:

13. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
14. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
15. THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 431.2 AND RULE 1470.
[RULE 1470, RULE 431.2]
16. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.
[RULE 1110.2, RULE 1303 (a), 40 CFR 60.4211 (f)]
17. OPERATING BEYOND THE 50 HOURS PER YEAR ALLOTTED FOR MAINTENANCE AND TESTING PURPOSES SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1470]
18. AN OPERATIONAL NON-RESETTING ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1110.2, RULE 1303 (b)(2), RULE 1470, 40 CFR 60.4209 (a)]

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19. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1470]
20. SULFUR CONTENT OF DIESEL FUEL SUPPLIED TO THE ENGINE SHALL NOT EXCEED 15 PPM BY WEIGHT.
[RULE 431.2, 40 CFR 60.4207 (b)]
21. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED, DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND SPECIFIC REASON FOR OPERATION AS:
- a. EMERGENCY USE.
 - b. MAINTENANCE AND TESTING.
 - c. OTHER (DESCRIBE THE REASON FOR OPERATING).
 - d. IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION.
[RULE 1303 (b)(2), RULE 1470, 40 CFR 60.4214 (b)]
22. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATION LOG THE FOLLOWING:
- THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND
- THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.
- THE ENGINE OPERATING LOG SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE CALENDAR YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR REPRESENTATIVE UPON REQUEST.
[RULE 1303 (b)(2)]
23. THE OPERATOR SHALL COMPLY WITH THE EMISSION STANDARDS SPECIFIED IN 40 CFR 60.4205(b) BY PURCHASING AN ENGINE CERTIFIED TO THE EMISSION STANDARDS IN 40 CFR 60.4205(b), AS APPLICABLE, FOR THE SAME MODEL YEAR AND MAXIMUM ENGINE POWER. THE ENGINE MUST BE INSTALLED AND CONFIGURED ACCORDING TO THE MANUFACTURER'S EMISSION RELATED SPECIFICATIONS.
[40 CFR 60.4211(c)]
24. THE OPERATOR SHALL OPERATE AND MAINTAIN THE STATIONARY ENGINE AND CONTROL DEVICE ACCORDING TO THE MANUFACTURER'S WRITTEN EMISSION-RELATED INSTRUCTIONS (OR PROCEDURES DEVELOPED BY THE OPERATOR THAT ARE APPROVED BY THE ENGINE MANUFACTURER), CHANGE ONLY THOSE EMISSION-RELATED SETTINGS THAT ARE PERMITTED BY THE MANUFACTURER, AND MEET THE REQUIREMENTS OF 40 CFR 89, 94 AND/OR 1068, AS THEY APPLY.
[40 CFR 60.4211(a)]

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Emissions And Requirements:

13. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

PM: RULE 1470

NOx+VOC: 3.0 G/BHP-HR, RULE 1303 (a), Rule 1701, 40 CFR 60.4205 (b)

CO: 3.7 G/BHP-HR, RULE 1701, 40 CFR 60.4205 (b)

PM: 0.15 G/BHP-HR, RULE 1470

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS.

Periodic Monitoring:

1. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

FOR ARCHITECTURAL APPLICATIONS WHERE NO THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN SEMI-ANNUAL RECORDS OF ALL COATINGS CONSISTING OF:

- A. COATING TYPE,
- B. VOC CONTENT AS SUPPLIED IN GRAMS PER LITER (g/l) OF MATERIALS FOR LOW-SOLIDS COATINGS,
- C. VOC CONTENT AS SUPPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATING.

FOR OTHER ARCHITECTURAL APPLICATIONS WHERE THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN DAILY RECORDS FOR EACH COATING CONSISTING OF:

- A. COATING TYPE,
- B. VOC CONTENT AS APPLIED IN GRAMS PER LITER (g/l) OF MATERIALS USED FOR LOW-SOLIDS COATINGS,
- C. VOC CONTENT AS APPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATING.
[RULE 3004 (a) (4)]

Emissions And Requirements:

2. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

VOC: RULE 1113, SEE APPENDIX B FOR EMISSION LIMITS
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, HAND WIPING OPERATIONS.

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, BOILER, > 1 MMBTU/HR BUT < 2 MMBTU/HR.

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: 0.1 gr/scf, RULE 409
NOx: 30 PPMV, RULE 1146.2
CO: 400 PPMV, RULE 1146.2
CO: 2000 PPMV, RULE 407

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

REFRIGERANT: RULE 1415
REFRIGERANT: 40CFR 82 SUBPART F

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, REFRIGERATION UNITS

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

REFRIGERANT: RULE 1415
REFRIGERANT: 40CFR 82 SUBPART F

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, REFRIGERANT RECOVERY AND/OR RECYCLING UNITS.

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
REFRIGERANT: RULE 1415
REFRIGERANT: 40CFR 82 SUBPART F

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, PRINTING EQUIPMENT, LOW USE OR EMISSIONS, WITH RELATED COATING, LAMINATING AND DRYING EQUIPMENT.

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
VOC: RULE 1130, SEE APPENDIX B FOR EMISSION LIMITS
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE EAST LOS ANGELES COLLEGE

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, SPRAY COATING ENCLOSURES, < 8 FT3 INTERNAL VOLUME.

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS