



South Coast Air Quality Management District

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

December 14, 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 Permit Revision, Hoag Memorial Hospital Presbyterian, ID 11245

Dear Mr. Rios:

Hoag Memorial Hospital Presbyterian has proposed to revise their Title V permit under application no. 544902 by modifying two existing boilers. This is a medical facility (NAICS 622110) located at One Hoag Drive, Newport Beach, CA 92658. This proposed permit revision is considered as a "minor permit revision" to their Title V permit. Attached for your review are the evaluation and section D of the Facility permit for the proposed revision. With your receipt of the proposed Title V permit revision today, we will note that the EPA 45-day review period will begin on December 14, 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 light blue circular stamp.

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

BLY:AYL:JTY:rdo
Enclosure

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PERMIT TO OPERATE

APPLICANT:

Hoag Memorial Hospital
 One Hoag Drive
 Newport Beach, Ca 92658
 Facility ID# 11245

EQUIPMENT LOCATION:

One Hoag Drive
 Newport Beach, Ca 92658

EQUIPMENT DESCRIPTOIN:

APPLICATION NO. 544903

Modification of Existing Boiler 1, Permit to Construct 530430

BOILER NO. 1, FIRE TUBE , SUPERIOR SEMINOLE, MODEL NO. . MS6-X-2254, NATURAL GAS, METHANE/NATURAL GAS BLEND, OR METHANE; WITH FUEL OIL STAND-BY FUEL, WITH ONE LOW NOX POWERFLAME, MODEL NO. ~~VC-10-GG-30A~~, UCM400-GO-30 WITH OXYGEN TRIM, RATED AT WITH A 16,000,000 BTU PER HOUR, WITH FLUE GAS RECIRULCATION AND A 20 H.P. COMBUSTION AIR BLOWER.

APPLICATION NO. 544904

Modification of Existing Boiler 3, Permit to Construct 530432

BOILER NO. 3, FIRE TUBE , SUPERIOR SEMINOLE, MODEL NO. MS6-X-2254, NATURAL GAS, METHANE/NATURAL GAS BLEND, OR METHANE; ~~WITH FUEL OIL STAND-BY FUEL~~, WITH ONE LOW NOX -BURNER, POWERFLAME, MODEL NO. NVC-10-GGØ-30A, WITH OXYGEN TRIM, RATED AT WITH A 16,000,000 BTU PER HOUR, WITH A 20 H.P. COMBUSTION AIR BLOWER.

APPLICATION NO. 544902

TITLE V MINOR REVISION

PERMIT CONDITIONS

Boilers 3 (natural gas, methane/natural gas blend or methane)

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 BOILER SHALL BE OPERATED IN FULL COMPLIANCE WITH THE APPLICABLE PROVISIONS OF RULE 1146.
[RULE 1146]
4. THIS BOILER SHALL BE FIRED WITH NATURAL GAS, NATURAL/METHANE GAS BLEND, OR METHANE GAS
[RULE 1146]
5. THE OPERATOR OF THIS EQUIPMENT SHALL COMPLY WITH SOURCE TESTING REQUIREMENTS IN SUBDIVISION (d)(6)--COMPLIANCE DETERMINATION OF RULE 1146.
[RULE 1146]
6. THE OPERATOR OF THIS EQUIPMENT SHALL COMPLY WITH PERIODIC MONITORING REQUIREMENTS OF RULE 1146 (d)(8).
[RULE 1146]
7. THIS BOILER SHALL EMIT NO MORE THAN 9 PPM FOR OXIDES OF NITROGEN (NOX) MEASURED BY VOLUME ON A DRY BASIS AT 3% OXYGEN AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES WHEN FIRING ON NATURAL GAS, NATURAL/METHANE GAS BLEND, OR METHANE GAS.
[RULE 1146]
8. EMISSIONS OF CARBON MONOXIDE (CO) SHALL NOT EXCEED 50 PPM REFERENCED AT 3% O2 ON A DRY BASIS, AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES.
[RULE 1303 (a)-BACT]
9. THIS BOILER SHALL BE EQUIPPED WITH A NON-RESETTABLE, TOTALIZING FUEL FLOW METER
[40 CFR 60.48c(g)(2)]
10. THE OPERATOR SHALL RECORD AND MAINTAIN THE AMOUNT OF ALL FUEL COMBUSTED DURING EACH CALENDAR MONTH. THE FUEL USAGE RECORDS SHALL BE KEPT FOR A PERIOD OF FIVE YEARS AND ALL RECORDS SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[40 CFR 60.48c(g)(2)]

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11. RETAIN ALL RECORDS REQUIRED BY PERMIT FOR A PERIOD OF FIVE YEARS AND MAKE ALL RECORDS AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1146]

12. THE OWNER OR OPERATOR OF THE EQUIPMENT SHALL CONDUCT A SOURCE TEST UNDER THE FOLLOWING CONDITIONS:
 - A. SOURCE TESTING SHALL BE CONDUCTED NO LATER THAN 6/30/2013.
 - B. THE SOURCE TEST SHALL BE DONE TO VERIFY COMPLIANCE PERMIT CONDITION NO. SEVEN AND EIGHT.
 - C. THE SOURCE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH SCAQMD METHOD 100.1.
 - D. THE TEST SHALL BE CONDUCTED FOR 15 MINUTES FOR EACH LOAD, WHILE FIRING AT MAXIMUM, MINIMUM AND AVERAGE FIRING RATES.
 - E. TWO COMPLETE COPIES OF SOURCE TEST REPORTS (INCLUDE THE APPLICATION NUMBER AND A COPY OF THE PERMIT IN THE REPORT) SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, ATTN: ROY OLIVARES, P.O. BOX 4941, DIAMOND BAR, CA 91765). THE RESULTS IN WRITING SHALL BE SUBMITTED WITHIN 45 DAYS AFTER THE SOURCE TEST IS COMPLETED. IT SHALL INCLUDE, BUT NOT LIMITED TO EMISSIONS RATE IN POUNDS PER HOUR AND CONCENTRATION IN PPMV AT THE OUTLET OF THE BOILER.
 - F. A TESTING LABORATORY CERTIFIED BY THE SCAQMD LABORATORY APPROVAL PROGRAM (LAP) 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 AQMD "GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES", PURSUANT TO RULE 217.
[RULE 1146]

Emissions And Requirements:

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

NOx: 9 PPMV, RULE 1146, WHEN FIRING NATURAL GAS AFTER JANUARY 1, 2013
CO: 400 PPMV, RULE 1146
CO: 2000 PPMV, RULE 407
CO: 50 PPMV, RULE 1303
PM: 0.1 GR/SCF, RULE 409

Boiler 1, natural gas with fuel oil stand-by fuel

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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. THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN FULL USE WHENEVER THE BOILER IS COMBUSTING FUEL OIL. [RULE 1146]

4. THE OPERATOR SHALL HAVE THE BURNER EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE THE COMBUSTION AIR, FUEL, AND RECIRCULATION FLUE GAS AS THE BOILER LOAD VARIES. THIS CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS TO MAINTAIN ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME FIRING RATE. [RULE 1146]

5. THIS BOILER SHALL BE OPERATED IN FULL COMPLIANCE WITH THE APPLICABLE PROVISIONS OF RULE 1146. [RULE 1146]

6. THE BOILER SHALL BE FIRED ON NATURAL GAS NATURAL/METHANE GAS BLEND OR METHANE. FUEL OIL USE IS RESTRICTED TO PERIODS OF NATURAL GAS CURTAILMENT, NATURAL GAS SUPPLY EMERGENCIES, MAINTENANCE TESTING OR PERIODIC TESTING. PERIODIC TESTING OF FUEL OIL SHALL NOT EXCEED A COMBINED TOTAL OF 48 HOURS DURING ANY ONE CALENDAR YEAR. [RULE 1146, 40 CFR 63.11237]

7. WHENEVER THE BOILER IS OPERATED ON FUEL OIL, MONTHLY CALENDAR AND CALENDAR YEAR, RECORDS SHALL BE MAINTAINED FOR THE BOILER AND SHALL INCLUDE THE FOLLOWING. (1) THE DATE. (2) THE REASON THE BOILER WAS OPERATED ON FUEL OIL. (3) THE HOURS OF OPERATION ON FUEL OIL. (4) AMOUNT OF FUEL OIL USED. ALL RECORDS SHALL BE, (1) RECORDED IN A MANNER WHICH HAS BEEN APPROVED IN WRITING BY THE EXECUTIVE OFFICER, (2) KEPT FOR AT LEAST FIVE YEARS, AND (3) MADE AVAILABLE TO SCQAMD PERSONNEL UPON REQUEST. [RULE 1146, 40 CFR 63.11237, 40 CFR 60.48c(g)(2)]

8. THE OPERATOR OF THIS EQUIPMENT SHALL COMPLY WITH SOURCE TESTING REQUIREMENTS IN SUBDIVISION (d)(6)--COMPLIANCE DETERMINATION OF RULE 1146. [RULE 1146]

9. THE OPERATOR OF THIS EQUIPMENT SHALL COMPLY WITH PERIODIC MONITORING REQUIREMENTS OF RULE 1146 (d)(8). [RULE 1146]

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10. THIS BOILER SHALL EMIT NO MORE THAN 9 PPM FOR OXIDES OF NITROGEN (NOX) MEASURED BY VOLUME ON A DRY BASIS AT 3% OXYGEN AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES WHEN FIRING ON NATURAL GAS, NATURAL/METHANE GAS BLEND, OR METHANE GAS. .
[RULE 1146]
11. EMISSIONS OF CARBON MONOXIDE (CO) SHALL NOT EXCEED 50 PPM REFERENCED AT 3% O2 ON A DRY BASIS, AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES.
[RULE 1303 (a)-BACT]
12. EMISSIONS OF NOX SHALL NOT EXCEED 40 PPM REFERENCED AT 3% O2 ON A DRY BASIS, AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES WHENEVER THIS EQUIPMENT IS FIRED WITH OIL.
[RULE 1146]
13. FUEL OIL SUPPLIED TO THE BURNER SHALL BE NO. 2 OR A LIGHTER GRADE AS DESCRIBED BY THE LATEST ASTM SPECIFICATIONS AND SHALL CONTAIN LESS THAN 0.05 PERCENT SULFUR BY WEIGHT IF PURCHASED PRIOR TO 6/1/04 AND LESS THAN 15 PPM SULFUR BY WEIGHT IF PURCHASED ON OR AFTER 6/1/04.
[RULE 431.2, 40 CFR 60.42c(D)]
14. MATERIAL SAFETY DATA SHEETS (MSDS) FOR THE FUEL OIL PURCHASED IN THIS EQUIPMENT, THE MSDS SHALL INCLUDE THE MINIMUM INFORMATION, NAME OF OIL SUPPLIER, THE MAXIMUM SULFUR CONTENT OF THE FUEL OIL. THIS INFORMATION SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[40 CFR 60.48c(f) , 40 CFR 60.42c(h)(1)]
15. THIS BOILER SHALL BE EQUIPPED WITH A NON-RESETTABLE, TOTALIZING FUEL FLOW METER FOR EACH FUEL USED.
[40 CFR 60.48c(g)(2)]
16. THE OPERATOR SHALL RECORD AND MAINTAIN THE AMOUNT OF NATURAL GAS, METHANE/NATURAL GAS BLEND, OR METHANE COMBUSTED DURING EACH CALENDER MONTH. THE FUEL USAGE RECORDS SHALL BE KEPT FOR A PERIOD OF FIVE YEARS AND ALL RECORDS SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[40 CFR 60.48c(g)(2)]
17. RETAIN ALL RECORDS REQUIRED BY PERMIT FOR A PERIOD OF FIVE YEARS AND MAKE ALL RECORDS AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1146]
18. THE OWNER OR OPERATOR OF THE EQUIPMENT SHALL CONDUCT A SOURCE TEST UNDER THE FOLLOWING CONDITIONS:
 - A. SOURCE TESTING SHALL BE NO LATER 6/30/2013.

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- B. THE SOURCE TEST SHALL BE DONE TO VERIFY COMPLIANCE PERMIT CONDITION NO. TEN, ELEVEN AND TWELVE.
- C. THE SOURCE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH SCAQMD METHOD 100.1.
- D. THE TEST SHALL BE CONDUCTED FOR 15 MINUTES FOR EACH LOAD, WHILE FIRING AT MAXIMUM, MINIMUM AND AVERAGE FIRING RATES.
- E. TWO COMPLETE COPIES OF SOURCE TEST REPORTS (INCLUDE THE APPLICATION NUMBER AND A COPY OF THE PERMIT IN THE REPORT) SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, ATTN: ROY OLIVARES, P.O. BOX 4941, DIAMOND BAR, CA 91765). THE RESULTS IN WRITING SHALL BE SUBMITTED WITHIN 45 DAYS AFTER THE SOURCE TEST IS COMPLETED. IT SHALL INCLUDE, BUT NOT LIMITED TO EMISSIONS RATE IN POUNDS PER HOUR AND CONCENTRATION IN PPMV AT THE OUTLET OF THE BOILER.
- F. A TESTING LABORATORY CERTIFIED BY THE SCAQMD LABORATORY APPROVAL PROGRAM (LAP) 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 AQMD "GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES", PURSUANT TO RULE 217. [RULE 1146]

Periodic Monitoring:

- 19. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSION FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THIS EQUIPMENT HAS COMBUSTED ONE MILLION GALLONS OF FUEL OIL, TO BE COUNTED CUMULATIVELY OVER A FIVE YEAR PERIOD. THE INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE HOUR, THE OPERATOR SHALL EITHER:
 - A. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN THE SAME FASHION AS DEVIATIONS ARE REQUIRED TO BE REPORTED IN SECTION K OF THIS PERMIT; OR
 - B. HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION", WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATIONS TO AQMD.

IN ADDITION, THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:

- A. STACK OR EMISSION POINT IDENTIFICATION;

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- B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;
- C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
- D. VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER.
[RULE 3004 (a) (4)]

20 IF ANNUAL FUEL OIL USAGE EXCEEDS 2,000,000 GALLONS IN ANY ONE YEAR, THEN THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE PARTICULATE MATTER (PM) EMISSION LIMIT(S) BY CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY FIVE YEARS USING AQMD METHOD 5.2 . THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 409 LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.

FOR THE PURPOSE OF DETERMINING COMPLIANCE WITH RULE 409 LIMIT, THE EMISSIONS SHALL BE MEASURED AND AVERAGED OVER A 60 MINUTE TIME PERIOD.

THE OPERATOR SHALL CONDUCT AN ANNUAL MAINTENANCE INSPECTION CHECK OF THE OPERATING PRESSURE, TEMPERATURE, AIR SUPPLY, VENT, SMOKE SPOT, BURNER CONDITION, HEAT-TRANSFER SURFACE CONDITION, WATER TREATMENT, BLOWDOWN AND LEAKAGE.

THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:

- A. DATE WHEN ANNUAL MAINTENANCE INSPECTION WAS CONDUCTED.
[RULE 3004 (a) (4)]

21 FOR UNITS WITH A HEAT INPUT GREATER THAN 10 MMBTU/HR AND ANNUAL OIL USAGE GREATER THAN 1,000,000 GALLONS OR GREATER THAN 336 HOURS OF OPERATION, BUT DO NOT EXCEED 2,000,000 GALLONS IN ANY ONE YEAR. THE OPERATOR SHALL CONDUCT AN ANNUAL MAINTENANCE INSPECTION CHECK OF THE OPERATING PRESSURE, TEMPERATURE, AIR SUPPLY, VENT, SMOKE SPOT, BURNER CONDITION, HEAT-TRANSFER SURFACE CONDITION, WATER TREATMENT, BLOWDOWN AND LEAKAGE

THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:

- A. DATE WHEN ANNUAL MAINTENANCE INSPECTION WAS CONDUCTED.
[RULE 3004 (a) (4)]

Emissions And Requirements:

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

- NOx: 9 PPMV, RULE 1146, WHEN FIRING NATURAL GAS AFTER JANUARY 1, 2013
- NOx: 40 PPMV, RULE 1146, WHEN FIRING ON FUEL OIL
- CO: 400 PPMV, RULE 1146

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CO: 2000 PPMV, RULE 407
CO: 50 PPMV, RULE 1303
PM: 0.1 GR/SCF, RULE 409

BACKGROUND:

The above applications were submitted on 11/05/2012 as modification (P/C issued a/n 530430) and change of conditions (P/C issued a/n 530432). The applicant was granted Permit to Construct for the two boilers on 8/22/2012 for Rule 1146 modifications (see previous Title V revision a/n 530429).

The applicant operates two existing boilers, each rated at 16 million btu per hour. The applicant filed the modifications applications to comply with the Rule 1146 (c)(1)(I) NOx emissions limits of 9 ppmv in December of 2011. The permit to constructs were granted on 8/22/2012 (see previous title v revision)

Boiler no. 1 fires on gaseous fuel only and boiler no three fires on gaseous fuel with fuel oil standby. Recently during the actual burner replacement, the contactor mistakenly installed gaseous/fuel oil burner in boiler no. 1 rather than boiler no. 3. Therefore the applicant is requesting amendments to these two permits to swap the permit language and associated permit conditions. There will be no actual change in emissions.

In addition, the gaseous/fuel oil burner did not properly fit within the space of previous burner. The boiler vendor is changing the burner model to one that will fit. The new burner is Power Flame model no. UCM400-GO-30 (previous model no. NVC-10-GGO-30A), there will be no change in the btu rating of the burner.

In the Facility Permit ID#11245, additions are requested to section D by the modification of two existing boilers. Attached is a draft of Section D in the Facility Permit affected by this addition.

Per 3000 (b)(15)(A)(vi) as referenced by 3005 (c)(1) this Title V modification is considered as a "minor permit revision" to the Title V permit because there is no net change of pollutant emissions or HAP emissions, thus not subject to Rule 3000 (b)(11).

The boilers were installed as new construction in the late 1990's (copy of evaluation in file). They are currently operating under the permits issued at that time. The following table summarizes the current application and permit numbers.

Equipment	New application	P/C issued a/n	Current A/N	Current P/O
Boiler 1	544903	530430	454724	F98849
Boiler 3	544904	530432	454726	F98851

Once the applications are approved, then a/n 530430 and 530432 will be cancelled.

COMPLIANCE HISTORY

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No NOV or NC has been issued during the past two years for this facility during the following time period: 12/04/2010-12/04/2012

Permitting since the Title V permit was renewed since 10/2009, ref a/n 454723

Item	A/n	30 day ave-lb/dy				
		NOx	ROG	CO	SOx	PM10
title v ad-min revision	520092	+0	+0	+0	+0	+0
title v revision	530429	-15.39	+0	+0	+0	+0
Title v minor revision	544902	+0	+0+	+0	+0	+0
Change in emissions	0	-15.39	+0	+0	+0	+0

PROCESS DISCRIPTION

The applicant operates three 16 million btu per hour boilers. The current boilers are equipped with Low NOx burner with FGR. The boilers are used to provide steam for use in the laundry service facility, heating requirement for the hospital and sterilization for its surgical and medical procedures. To comply with the Rule 1146 NOx limit, the applicant installed Low NOx burners. For this evaluation assume all the boilers operate 24 hr/dy, 7 dy/wk, 52 wk/yr.

The boilers are all identical units each rated at 16 mmbtu/hr. Following are the specifications:

Specification	
Boiler Manufacturer	Superior Seminole
Model	MS6-X-2254
Fuel Type	Natural gas, methane/natural gas or methane for boiler three. Boiler no. 1 will have natural gas with fuel oil standby fuel
Maximum Fuel Consumption	16,000 ft ³ /hr natural gas, gal/hr oil(does not apply) ⁽¹⁾
Maximum Exhaust Flow SCFM	4,835 ft ³ /min
Maximum Heat Input	16 mmbtu/hr
NOx Combustion Control	Low NOx Burner
Post combustion control NOx limit natural gas	9 ppmv
Post combustion control NOx limit fuel oil	n/a
Turn down ratio fuel	5 to 1

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

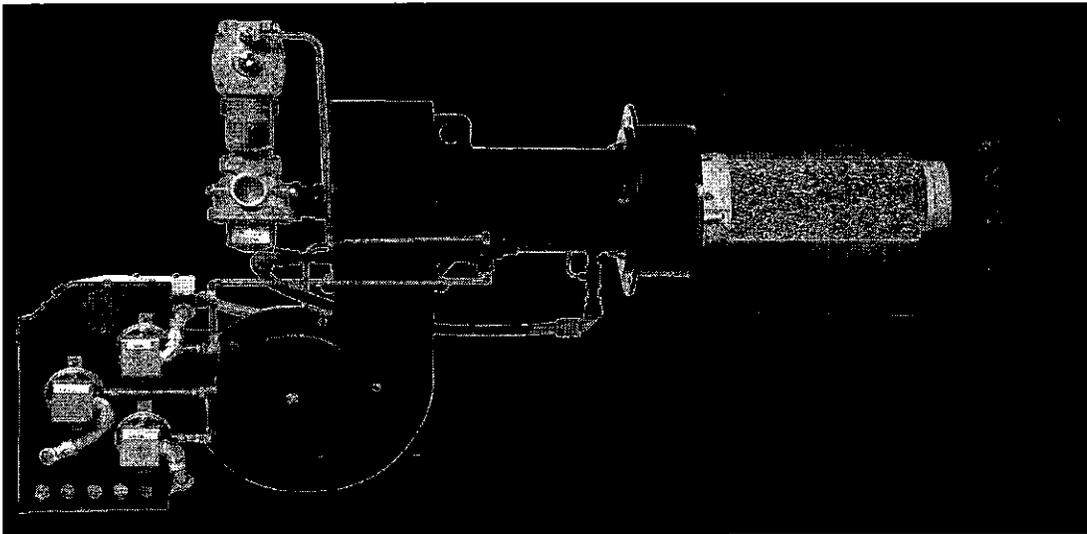
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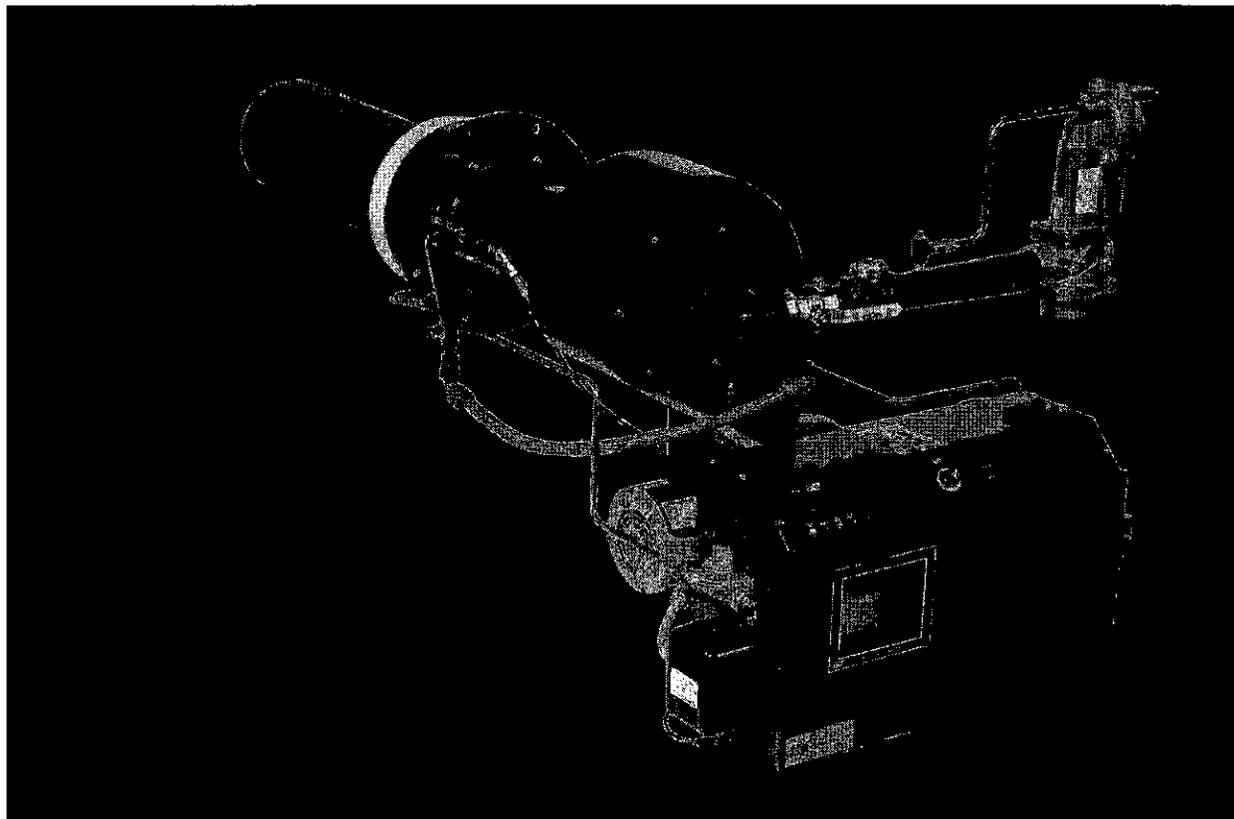
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Post Combustion Control	Low NOx burner
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- (1) Based on 1050 btu/cf natural gas and 135,000 btu/gal oil (does not apply)
- (2) The burner no. for boiler no. 3 is slightly different than boilers one and two



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The Power Flame NOVA Plus 2™ Combustion System employs a patented, fully premixed, surface stabilized combustion technology to provide proven ultra-low NOx solutions –Sub 9 to 12 PPM –or commercial, industrial, and process applications. Premixing fuel and air assures complete combustion The minimal levels of CO and unburned hydro-carbons. The all metallic firing head guarantees reliable and consistent performance at the operating conditions necessary to provide single digit NOx emissions. The NOVA Plus 2 is a simple, cost effective, field proven system designed to meet today's most stringent emissions requirements. Power Flame provides a U.L. listed, factory tested package tailored to your job specific requirements. The NOVA Plus 2 is suitable for use on firetube and watertube boiler applications, as well as process heaters. It will operate with uniform heat flux and excellent flame stability over a broad range of operating conditions. The modular concept that is the basis for all Power Flame burners keeps the initial investment low and maintenance costs at a minimum across the life of the burner. The NOVA Plus 2 is fitted with a state of the art control system and integral panel. The self-compensating combustion control safely operates the burner and minimizes the start-up time

CALCULATIONS

1. Permit processing Emissions calculation methodology
 - A. Emissions calculations ROG, SOx and PM

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$$R1(LB / HR) = \frac{EF \times GAS\ USAGE}{1 \times 10^6}$$

Note $R1 = R2$

Where $E.F$ per AP-42, table 1.4-1

Note, NO_x and CO ref the same table for default values

B. Emissions calculations NO_x and CO , by EPA method 19

Using the ideal gas law (lbmole/dscf@68 F)

$$PV = nRT$$

$$n/V = P / RT$$

Given

Pressure = 1 atm

Temp = 68 F

Ideal gas constant $R = 0.73 \text{ ft}^3\text{-atm/lb-mole-R}$

$R = 460 \text{ F} + 68 \text{ F}$

$$\begin{aligned} lb\ NO_x/btu &= dscf / mmbtu \times 1^{-06} mmbtu / btu \times \\ &= (20.9 / (20.9 - 3\%O_2)) \times ppm \times \\ &= (VolNO_x ppm) \times (MW) \times lbmol/dscf \end{aligned}$$

Given

$Dscf/mmbtu = 8710$

$Mw = 46\ NO_x$

$Mw = 28\ CO$

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$Lbmole/dscf = 0.00259$
 $Ppm = 9 NOx$
 $Pppm = 50 CO$
 $Vol NOx/pmm = 0.000001$

Repeat formula for CO

2. EMISSIONS CALCULATIONS

A. Emissions per boiler

	lb/hr	lb/day	30-dy ave	lb/yr
RHC	0.0838	2.01	2.01	732
NOx	0.17	4.19	4.19	1525.16
SO2	0.0091	0.2194	0.22	79.847
CO	0.59	14.18	14.18	5163.16
PM=PM10=PM2.5	0.116	2.78	2.78	1013

Based on 100 percent load

B. Previous emissions per boiler

	lb/hr	lb/day	30-dy ave	lb/yr
RHC	0.0838	2.01	2.01	732
NOx	0.17	4.19	4.19	1525.16
SO2	0.0091	0.2194	0.22	79.847
CO	0.59	14.18	14.18	5163.16
PM=PM10=PM2.5	0.116	2.78	2.78	1013

RULES EVALUATION:

Rule 212 The equipment is being modified to comply with Rule 1146 NOx emissions limits, there will be a net reduction in NOx emissions, thus Rule does not apply.

Item	Equipment located beyond 1000 feet of a school	Public notice required
Boiler	Yes	no

Section (c)(3)(A)(i)

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=0.0055 gr/scf

PM while on fuel oil = 2 lb/mgal * 0.115 mgal/hr = 0.23 lb/hr (ref a/n 517565)

Rule 431.1. - Sulfur Content of Gaseous Fuels

This rule limits the sulfur content of natural gas sold in the district to 16 ppm sulfur.

There is methane occurring naturally at this facility. The applicant has a permit for a Waste Gas Collection and Treatment System which collects and treats the gas. H2S is removed by passing raw gas through two scrubbers containing Sulfatreat. The residual H2S after the scrubbers is well below 5 ppb as measured by a laboratory using SCAQMD Method 307-91. The applicant operates a waste gas collection and treatment system and the daily H2S is below 5 pounds per day, thus is exempt from the provisions of this Rule per section (g)(8)

Rule 431.2 – Sulfur Content of Liquid Fuels

Applies to boiler no. 1, any fuel oil purchased after 6/2004 must comply with the 15 ppmv Sulfur limit.

Rule 1146 This Rule was amended last September 2008 and is subject to the following emissions limits. The boilers is expected to comply with the future NOx limits (verify by source test).

Table 1146-1 per section (c)(1)(A) requires 30 ppmv limit for NOx when burning gaseous fuel. Section (c)(1)(4) requires 400 ppmv limit for CO.

The boilers are listed as a Group III type unit and will be subject to the following emissions limits

Per Table 1146-1 per section (c)(1)(I) requires 9 ppmv limit for NOx when burning gaseous fuel effective on 1/1/2013. Low NOx burners will be installed on the boilers and is expected to comply with the 9 ppmv for NOx, thus compliance with this section is met (verify by source test).

Per section (c)(4) the CO concentration limit is 400 ppmv (no change)

Per section (c)(6), if the boiler btu rating is greater than 40 million btu per hour and is equipped with a Rule 218 certified NOx CEMs, this section does not apply

Per section (d)(6)(A) source testing is required once every three years for this size boiler

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Per section (d)(8) the applicant shall check the NOx and CO emissions from the boiler using a portable analyzer.

The Rule also requires submittal of a compliance plan specifying when the facility will come into compliance with the limits. The applicant submitted their plan under A/N 504575 and was approved on 9/10/2010 the plan was not submitted within the required timeframe (before 1/1/10).

Reg. XIII Compliance with the following sections is anticipated.

1303 (a)-BACT- There is no increase in BTU rating or emissions, BACT does not apply.

1303 (b)(1)- Does not apply no increase in emissions

1303 (b)(2)- Offsets, see table

Item	A/n	30 day ave-lb/dy				
		NOx	ROG	CO	SOx	PM10
Boiler	544903	+4.19	+2.01	+14.18	+0.22	+2.78
Boiler	544904	+4.19	+2.01	+14.18	+0.22	+2.78
Boiler	530430	-4.19	-2.01	-14.18	-0.22	-2.78
Boiler	530432	-4.19	-2.01	-14.18	-0.22	-2.78
total		+0	+0	+0	+0	+0

The hospital is Essential Public Service (EPS) per Rule 1302 (m)(6). For this evaluation there is no net change in emissions and offsets are not required.

RULE 1401- Exempt per section (g)(1)(F), no increase in Rule 1401 emissions. There is no increase in btu rating or Rule 1401 pollutants.

RULE XVII-Prevention of Significant Deterioration

1701 (b)(2)(A)- The modification will result in no increase in criteria pollutants emissions and the boiler maximum annual emissions are well below the threshold limits of this Rule.

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

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Regulation XXX

This facility (id# 11245) is included in Phase One of the Title V universe. Therefore the proposed equipment is expected to comply with the following sections:

Rule 3005 (c)(1): The Title V expected permit revision caused by this equipment addition satisfies all the applicable conditions listed in this rule, it constitutes Minor Permit revision (no net emissions increase less than required by Rule 3000 (b)(15)(A)(vi)), see facility emissions summary table in Rule 1303.

Rule 3003 The anticipated Minor permit revision is expected to comply with all the applicable requirements in this rule, of special note are the sections listed below

Section (i)(4) A permit revision may be issued after the permit revision applications meets all conditions in this rule.

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

Section (j)(1)(C) The EPA Administrator will timely receive the draft of the Minor 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

Rule 3006 (a) Exempt per section (b).

California Environmental Quality Act (CEQA)

Does not apply

FINAL AIR TOXICS STANDARDS FOR INDUSTRIAL, COMMERCIAL, AND INSTITUTIONAL BOILERS AT AREA SOURCE FACILITIES (40 CFR Part 63 JJJJJ)

A. Boilers no. 1 and 3

The final ruling was released on 3/21/2011 and applies to boilers using non-gaseous fuels. For this project the boiler no. 3 is using natural gas, methane/nature gas or methane. Boiler no. 1, fuel oil is only used as a stand-by fuel. The two boilers meet the definition of gas fired boiler per 40 CFR 63.11237. There will be a permit condition for boiler no. 1 to limit the periodic testing using fuel oil to less than 48 hours per colander year to meet the definition of 40 CFR 63.11237. Per 40 CFR 63.11195 (e) these type of boilers are not subject any requirements of this subpart.

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40 CFR PART 60, Subpart Dc-Standards of Performance for Small Industrial-Commercial-Institutional steam generating Units

A. Boiler no. 3 (natural gas)

Boilers fired on natural gas does not have any emissions limits under Dc, but is subject to fuel record keeping requirements

40 CFR 60.48c(g)(2)- requires to record the monthly usage of natural gas combusted in the boiler. To demonstrate compliance with this section, requires boiler to be equipped with a non-resettable totalizing fuel meter.

B. Boiler no. 1 (natural gas with fuel oil stand-by fuel)

40 CFR 60.14 –The burner is replaced due a Rule 1146 requirement and there is a net decrease in the NOx hourly emissions. The burner replacement does not constitute a modification for NSPS purposes because it does not result in an hourly emissions increase per 40 CFR 60.14. As a result this boiler is not considered to have been modified after 2/25/2005 for NSPS purposes.

Section 60.42(c)(d) requires fuel oil to be less than 0.5 ppmw Sulfur content. Rule 431.2 requires fuel oil purchased to be less than 15 ppmw Sulfur content.

40 CFR 60.48c(g)(2)- requires to record the monthly usage of natural gas and fuel oil combusted in the boiler. To demonstrate compliance with this section, requires boiler to be equipped with a non-resettable totalizing fuel meter.

Section 60.42c(h)(1) requires fuel oil supplier certification (list sulfur content of the fuel oil) according to 40 CFR 60.48c(f). Require the operator to have MSDS on site listing the sulfur content of the fuel oil.

Section 60.42c(g)(2) requires records of monthly fuel oil burned

RECOMMENDATIONS

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

For this reason, the following disposition is recommended; issue a revised Title V Facility Permit reflecting the modification of two boilers 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.

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After the end of the 45 day EPA review period, issue a Permit to Operate subject to the conditions listed below.

No actual change in the conditions, just swap conditions with boiler no. 1 and 3.

RECOMMENDATIONS

FOR THIS APPLICATION THE FOLLOWING DISPOSITION IS RECOMMENDED:

Issue P0 for the two boilers.

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ATTACHMENT**AMMONIA EMISSIONS**

flow rate = 11529 scfm

moisture = 12%

Max NH3 outlet concentration = 5 ppmv

MW NH3 = 17 lb/mole

ammonia rate = 1.40 lb/hr

DSCFM = 11529 ft³/min * (1-0.12) = 11528 dscfm

$$R1(LB / HR) = \frac{PPM_V \times MW_{ave} \times CFM \times 60 MIN / HR}{1 \times 10^6 \times 379 FT^3 / MOLE}$$

Lb/hr = 5 ppmv * 17 lb/mole * 11529 ft³/min * 60min/hr / (379 * 1000000)

Lb/hr = 0.155 lb/hr

Lb/dy = 24 hr/dy * 0.155 lb/hr = 3.72 lb/dy

Lb/yr = 3.72 lb/dy * 7 dy/wk * 52 wk/yr = 1354 lb/yr

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

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 HOAG MEM HOSP PRESBYTERIAN

PERMITTED EQUIPMENT LIST

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

Application number	Permit to Operate number	Equipment description
417420	R-F62039	ICE (>500 BHP), EM ELECTRICAL GEN, DIESEL
417418	R-F62038	ICE (>500 BHP), EM ELECTRICAL GEN, DIESEL
417421	R-F62040	ICE (>500 BHP), EM ELECTRICAL GEN, DIESEL
417423	R-F62041	ICE (>500 BHP), EM ELECTRICAL GEN, DIESEL
454725	F98850	BOILER, NAT GAS & OIL, > 5=20 MM BTU/HR
413982	F59911	ICE (>500 BHP), EM ELECTRICAL GEN, DIESEL
406575	G11413	ICE (>500 BHP), CO-GEN, NON-EM ELECTRICAL GEN, NATURAL GAS
406576	G11414	ICE (>500 BHP), CO-GEN, NON-EM ELECTRICAL GEN, NATURAL GAS
406577	G11416	ICE (>500 BHP), CO-GEN, NON-EM ELECTRICAL GEN, NATURAL GAS
417410	F95074	BOILER, NAT GAS, > =20 -50 MM BTU/HR
483177	F98904	ICE (>500 BHP), EM ELECTRICAL GEN, DIESEL
502722	G11407	WASTE GAS COLLECTION, TREATMENT, AND DISPOSAL SYSTEM
544903	G	BOILER, NAT GAS, > 5=20 MM BTU/HR
530431	G	BOILER, NAT GAS, > 5=20 MM BTU/HR
544904	G	BOILER, NAT GAS & OIL, > 5=20 MM BTU/HR
520097	G19999	BOILER, NAT GAS, > =20 -50 MM BTU/HR

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 HOAG MEM HOSP PRESBYTERIAN

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 RINGLEMANN 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 ONLY USE AMBER 363 FUEL AND DIESEL FUEL WITH A SULFUR CONTENT THAT DOES NOT EXCEED 15 PPM BY WEIGHT.
[RULE 431.2]

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

PERMIT TO OPERATE

Permit No. R-F 62039
A/N 417420

Equipment Description:

INTERNAL COMBUSTION ENGINE, NO. 1, CATERPILLAR, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3516 DITA, SERIAL NO. 3NS00216, DIESEL FUELED, SIXTEEN CYLINDERS, TURBOCHARGED AND AFTERCOOLED, 2518 BHP.

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 OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.
[RULE 1110.2, RULE 1304 (a), RULE 1470]
4. AN OPERATIONAL NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1110.2, RULE 1304 (a), RULE 1470]
5. 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. OTHER (BE SPECIFIC).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 READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND THE END OF THE OPERATION.
[RULE 1110.2, RULE 1304 (a), RULE 1470]

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

6. 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 1110.2, RULE 1304 (a), RULE 1470]

7. 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.

ENGINE OPERATION LOG(S) 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 1110.2, RULE 1304 (a), RULE 1470]

8. THE ENGINE SHALL MEET ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

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 THE EMISSION LIMITS

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

PERMIT TO OPERATE

Permit No. R-F 62038
A/N 417418

Equipment Description:

INTERNAL COMBUSTION ENGINE, NO. 2, CATERPILLAR, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3516 DITA, SERIAL NO. 3NS00215, DIESEL FUELED, SIXTEEN CYLINDERS, TURBOCHARGED AND AFTERCOOLED, 2518 BHP.

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 OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.
[RULE 1110.2, RULE 1304 (a), RULE 1470]
4. AN OPERATIONAL NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1110.2, RULE 1304 (a), RULE 1470]
5. 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. OTHER (BE SPECIFIC).

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 READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND THE END OF THE OPERATION.

[RULE 1110.2, RULE 1304 (a), RULE 1470]

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

6. 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 1110.2, RULE 1304 (a), RULE 1470]

7. 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.

ENGINE OPERATION LOG(S) 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 1110.2, RULE 1304 (a), RULE 1470]

8. THE ENGINE SHALL MEET ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

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 THE EMISSION LIMITS

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

PERMIT TO OPERATE

Permit No. R-F 62040
A/N 417421

Equipment Description:

INTERNAL COMBUSTION ENGINE, NO. 4, CATERPILLAR, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3516 DITA, SERIAL NO. 3NS00217, DIESEL FUELED, SIXTEEN CYLINDERS, TURBOCHARGED AND AFTERCOOLED, 2518 BHP.

- 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 OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.
[RULE 1110.2, RULE 1304 (a), RULE 1470]
4. AN OPERATIONAL NON-RESETTING TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1110.2, RULE 1304 (a), RULE 1470]
5. 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. OTHER (BE SPECIFIC).

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 READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND THE END OF THE OPERATION.

[RULE 1110.2, RULE 1304 (a), RULE 1470]

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

6. 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 1110.2, RULE 1304 (a), RULE 1470]

7. 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.

ENGINE OPERATION LOG(S) 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 1110.2, RULE 1304 (a), RULE 1470]

8. THE ENGINE SHALL MEET ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

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 THE EMISSION LIMITS

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

PERMIT TO OPERATE

Permit No. R-F 62041
A/N 417423

Equipment Description:

INTERNAL COMBUSTION ENGINE, NO. 3, CATERPILLAR, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3516 DITA, SERIAL NO. 3NS00218, DIESEL FUELED, SIXTEEN CYLINDERS, TURBOCHARGED AND AFTERCOOLED, 2518 BHP.

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 OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.
[RULE 1110.2, RULE 1304 (a), RULE 1470]
4. AN OPERATIONAL NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1110.2, RULE 1304 (a), RULE 1470]
5. 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:C
 - A. EMERGENCY USE
 - B. MAINTENANCE AND TESTING
 - C. OTHER (BE SPECIFIC).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 READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND THE END OF THE OPERATION.
[RULE 1110.2, RULE 1304 (a), RULE 1470]

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

6. 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 1110.2, RULE 1304 (a), RULE 1470]

7. 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.

ENGINE OPERATION LOG(S) 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 1110.2, RULE 1304 (a), RULE 1470]

8. THE ENGINE SHALL MEET ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

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 THE EMISSION LIMITS

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

PERMIT TO OPERATE

Permit No. F98850
A/N 454725

Equipment Description:

BOILER NO. 2, SUPERIOR SEMINOLE, MODEL NO. 6X-2000-5150, WITH A 16,000,000 BTU PER HOUR COEN MICRO-NOX BURNER, MODEL NO. HTE, NATURAL GAS, METHANE/NATURAL GAS BLEND, OR METHANE GAS FIRED, AND AMBER 363 AS STAND BY FUEL, WITH A 5 H.P. FAN AND AN INDUCED FLUE GAS RECIRCULATION SYSTEM.

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. THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN FULL USE WHENEVER THE BOILER IS IN OPERATION.
[RULE 1146]
4. THIS BOILER SHALL BE OPERATED IN FULL COMPLIANCE WITH THE APPLICABLE PROVISIONS OF RULE 1146.
[RULE 1146]
5. THIS BOILER SHALL BE FIRED WITH NATURAL GAS, NATURAL/METHANE GAS BLEND, OR METHANE GAS EXCEPT DURING TESTING, MAINTENANCE, NATURAL GAS CURTAILMENT, OR IN AN EVENT OF AN EMERGENCY, AT WHICH TIME AMBER 363 MAY BE USED.
[RULE 1146]
6. WHILE OPERATING ON NATURAL GAS, THIS BOILER SHALL NOT EMIT MORE THAN 20 PPM OF OXIDES OF NITROGEN (NOX), CALCULATED AS NO₂, AND NOT MORE THAN 50 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% O₂. WHILE OPERATING ON AMBER 363, THIS BOILER SHALL EMIT NO MORE THAN 40 PPM OF OXIDES OF NITROGEN (NOX), CALCULATED AS NO₂, AND NO MORE THAN 400 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% O₂.
[RULE 1146, RULE 1303 (a)]

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

7. WHENEVER THE BOILER IS OPERATED ON AMBER 363, RECORDS SHALL BE MAINTAINED FOR THE BOILER AND SHALL INCLUDE THE FOLLOWING. (1) THE DATE. (2) THE REASON THE BOILER WAS OPERATED ON AMBER 363. (3) THE HOURS OF OPERATION ON AMBER 363. ALL RECORDS SHALL BE, (1) RECORDED IN A MANNER WHICH HAS BEEN APPROVED IN WRITING BY THE EXECUTIVE OFFICER, (2) KEPT FOR AT LEAST FIVE YEARS, AND (3) MADE AVAILABLE TO SCAQMD PERSONNEL UPON REQUEST.
[RULE 1146]

Periodic Monitoring:

8. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE NOX EMISSION LIMIT(S) EITHER BY: (a) CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY FIVE YEARS USING AQMD METHOD 100.1 OR 7.1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 1146 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.
[RULE 3004 (a) (4)]
9. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE CO EMISSION LIMIT(S) EITHER BY: (a) CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY FIVE YEARS USING AQMD METHOD 100.1 OR 10.1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 1146 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.
[RULE 3004 (a) (4)]

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

10. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSION FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THIS EQUIPMENT HAS COMBUSTED ONE MILLION GALLONS OF AMBER 363 FUEL, TO BE COUNTED CUMULATIVELY OVER A FIVE YEAR PERIOD. THE INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE HOUR, THE OPERATOR SHALL EITHER:
- A. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN THE SAME FASHION AS DEVIATIONS ARE REQUIRED TO BE REPORTED IN SECTION K OF THIS PERMIT; OR
 - B. HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION", WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATIONS TO AQMD.

IN ADDITION, THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:

- A. STACK OR EMISSION POINT IDENTIFICATION;
 - B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;
 - C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
 - D. VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER.
- [RULE 3004 (a) (4)]

Emissions And Requirements:

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

NOx: 20 PPMV, RULE 1303, WHEN FIRING NATURAL GAS
NOx: 9 PPMV, RULE 1146, WHEN FIRING NATURAL GAS AFTER JANUARY 1, 2015
NOx: 40 PPMV, RULE 1146, WHEN FIRING AMBER 363
CO: 400 PPMV, RULE 1146
CO: 2000 PPMV, RULE 407
CO: 50 PPMV, RULE 1303
PM: 0.1 GR/SCF, RULE 409

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

PERMIT TO OPERATE

Permit No. F 59911
A/N 413982

Equipment Description:

INTERNAL COMBUSTION ENGINE, NO. 5, CATERPILLAR, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3516B DITA, SERIAL NO. 1HZ02246, DIESEL FUELED, SIXTEEN CYLINDERS, TURBOCHARGED AND AFTERCOOLED, 2499 BHP.

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 OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.
[RULE 1110.2, RULE 1304 (a), RULE 1470]
4. AN OPERATIONAL NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1110.2, RULE 1304 (a), RULE 1470]
5. 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. OTHER (BE SPECIFIC).

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 READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND THE END OF THE OPERATION.

[RULE 1110.2, RULE 1304 (a), RULE 1470]

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

6. 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 1110.2, RULE 1304 (a), RULE 1470]

7. 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.

ENGINE OPERATION LOG(S) 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 1110.2, RULE 1304 (a), RULE 1470]

8. THE ENGINE SHALL MEET ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

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 THE EMISSION LIMITS

**FACILITY PERMIT TO OPERATE
HOAG MEM HOSP PRESBYTERIAN**

PERMIT TO OPERATE

Permit No. F95074
A/N 417410

Equipment Description:

BOILER, SUPERIOR SEMINOLE, MODEL NO. 6X-3000-S150, FIRETUBE TYPE, WITH A NATURAL GAS-FIRED, LOW NOX BURNER, ALZETA, MODEL NO. CSB-252-LEA, RATED AT 25,200,000 BTU PER HOUR, AND EQUIPPED WITH A FLUE GAS RECIRCULATION SYSTEM.

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. THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN FULL USE WHENEVER THE BOILER IS IN OPERATION.
[RULE 1146]
4. THIS BOILER SHALL BE OPERATED IN FULL COMPLIANCE WITH THE APPLICABLE PROVISIONS OF RULE 1146.
[RULE 1146]
5. THIS BOILER SHALL BE FIRED WITH NATURAL GAS ONLY.
[RULE 1146]
6. THIS BOILER SHALL NOT EMIT MORE THAN 9 PPM OF OXIDES OF NITROGEN (NOX), CALCULATED AS NO₂, AND NOT MORE THAN 50 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% O₂.
[RULE 1303 (a) (1)-BACT]

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

Periodic Monitoring:

7. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE NOX EMISSION LIMIT(S) EITHER BY: (a) CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY FIVE YEARS USING AQMD METHOD 100.1 OR 7.1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 1146 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.
[RULE 3004 (a) (4)]

8. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE CO EMISSION LIMIT(S) EITHER BY: (a) CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY FIVE YEARS USING AQMD METHOD 100.1 OR 10.1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 1146 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.
[RULE 3004 (a) (4)]

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

Emissions And Requirements:

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

NOx: 30 PPMV, RULE 1146
NOx: 9 PPMV, RULE 1146, WHEN FIRING NATURAL GAS AFTER JANUARY 1, 2015
CO: 400 PPMV, RULE 1146
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409
NOx: 9 PPMV, RULE 1303
CO: 50 PPMV, RULE 1303

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

PERMIT TO OPERATE

Permit No. F98904
A/N 483177

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3456 DITAAA, DIESEL FUELED, SIX CYLINDERS, TURBOCHARGED AND AFTERCOOLED, 610 BHP.

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 OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.
[RULE 1110.2, RULE 1304 (a)]
4. AN OPERATIONAL NON-RESETTING TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1110.2, RULE 1304 (a)]
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 FOR A MINIMUM OF TWO CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION (INCLUDE HOURS FOR MANUAL AND AUTOMATIC OPERATION) SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1110.2, RULE 1304 (a)]
6. THE ENGINE SHALL MEET ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

Emissions And Requirements:

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

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

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

PERMIT TO OPERATE

Permit No. G11407
A/N 502722

Equipment Description:

WASTE GAS COLLECTION, TREATMENT, AND DISPOSAL SYSTEM CONSISTING OF:

1. THREE VERTICAL GAS COLLECTION WELLS (NOS. 5, 6, 7A), TWO HORIZONTAL GAS COLLECTION WELLS (BALBOA COVE), AND EXTRACTION WELL FROM SUPPORTING SERVICES BUILDING.
2. TWO (2) COMPRESSOR/BLOWER PACKAGE, NOS. 1 AND 2 (ONE ON STAND-BY), BLOWER, EACH WITH AN INLET SCRUBBER, INLET AND OUTLET SILENCER, 30 H.P.
3. AFTERCOOLER, FORCED DRAFT WITH TWO 1/2 H.P. FANS.
4. TWO (2) SCRUBBERS, NOS. 1 AND 2, SULFATREAT, EACH 8' - 0" DIA. X 28' - 0" H., WITH 70,000 LBS SULFATREAT MEDIA.
5. FLARE (STAND-BY), VAREC, MODEL 239A-06 OR EQUIVALENT, LOW-NO_x BURNER, 250 SCFM MAXIMUM, 3' -6" DIA. X 15' - 0" H., REFRACTORY LINED STACK EXTENSION, TWO FLAME ARRESTORS, WITH A NATURAL-GAS FUELED PILOT BURNER, AND AN AUTOMATIC PILOT IGNITION SYSTEM (MODIFIED VAREC 242UV).

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. THE HYDROGEN SULFIDE CONTENT OF THE GAS BURNED IN THE FLARE SHALL BE IN COMPLIANCE WITH RULE 431.1.
[RULE 431.1]
4. A GAS DETECTION SYSTEM SHALL BE INSTALLED AND MAINTAINED TO MONITOR THE LEVELS OF METHANE GAS AND HYDROGEN SULFIDE GAS IN THE ATMOSPHERE WITHIN THE PROCESSING SITE. SENSOR(S) SHALL BE INSTALLED NEAR THE SCRUBBER VESSELS, ADJACENT TO THE FLARE AND, TO THE SOUTH OF THE BLOWERS.
[RULE 1303 (a)]
5. THE FLARE SHALL BE EQUIPPED WITH A TEMPERATURE INDICATOR AND RECORDER TO MEASURE AND RECORD TEMPERATURE IN DEG. FAHRENHEIT ACROSS THE FLARE STACK.

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

6. WHENEVER THE FLARE IS IN OPERATION, A TEMPERATURE OF NOT LESS THAN 1,400 DEG. FAHRENHEIT SHALL BE MAINTAINED IN THE STACK.

7. DAILY RECORDS SHALL BE KEPT AND MAINTAINED TO PROVE COMPLIANCE WITHIN CONDITION NOS. 4 & 6. THE RECORDS SHALL BE AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303 (a)]

9. IN THE EVENT OF NATURAL GAS CURTAILMENT, THE FLARE SHALL NOT BE USED.
[RULE 480]

Emissions And Requirements:

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

PERMIT TO OPERATE

**Permit No. G11413
A/N 406575**

Equipment Description:

INTERNAL COMBUSTION ENGINE, NO. 1, WAUKESHA, MODEL NO. P9390GSI SPARK IGNITED, FOUR CYCLE, RICH BURN, NATURAL GAS FIRED, 2080 BHP, SIXTEEN CYLINDERS, TURBOCHARGED, AFTERRCOOLED, DRIVING A COGENERATION PLANT, WITH A CATALYTIC CONVERTER, NON-SELECTIVE TYPE, JOHNSON MATTHEY, MODEL NO. QXC90D-16, AND AN AIR TO FUEL RATIO CONTROLLER, MIRATECH, MODEL NO. MEC-2001.

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 EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS FOR RULE 1110.2 INCLUDING SECTION (f) (1) (C)(i) FOR VOC SOURCE TESTING.
[RULE 1110.2]
4. THIS ENGINE SHALL NOT BE OPERATED WITHOUT THE USE OF AN AUTOMATIC AIR TO FUEL RATIO CONTROLLER WHICH SHALL BE MAINTAINED AND KEPT IN PROPER OPERATING CONDITIONS AT ALL TIMES AS SPECIFIED BY THE MANUFACTURER.
[RULE 1303 (a) (1)-BACT]
5. THE CATALYTIC CONVERTER TEMPERATURE AND EXHAUST OXYGEN CONCENTRATION SHALL BE MAINTAINED WITHIN THE EFFECTIVE OPERATING RANGE OF THE CATALYTIC CONVERTER AS SPECIFIED BY THE MANUFACTURER.
[RULE 1303 (a) (1)-BACT]

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

6. THE EMISSIONS FROM THIS ENGINE SHALL NOT EXCEED THE FOLLOWING LIMITS (EXCEPT DURING COLD START-UP, NOT TO EXCEED 10 MINUTES):

		AFTER JULY 1, 2010		
	PPMV (at 15% O ₂) (DRY)	PPMV (at 15% O ₂) (DRY)	PPMV (at 15% O ₂) (DRY)	GM/BHP-HR
VOLATILE ORGANIC GASES (VOC)	37	30		0.15
NITROGEN OXIDES	13	11		0.15
CARBON MONOXIDE	33	33		0.24
PARTICULATE MATTER UNDER 10 MICRONS (PM ₁₀)				0.045

[RULE 1303 (a) (1)-BACT, RULE 1110.2]

7. RECORDS SHALL BE MAINTAINED IN ORDER TO COMPLY WITH CONDITION NOS. 3, 5, AND 6. THE RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303 (a) (1)-BACT, RULE 3004 (a) (4)]
8. THE ELECTRICITY GENERATED BY THIS ENGINE SHALL ONLY BE UTILIZED FOR THE HOSPITAL'S ENERGY REQUIREMENTS AND SHALL NOT BE SOLD OR DISTRIBUTED TO ANY ELECTRIC UTILITY COMPANY.
[RULE 1110.2; RULE 1303 (a) (1)-BACT]
9. A CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS) APPROVED BY THE DISTRICT ACCORDING TO RULE 218 SHALL BE INSTALLED, MAINTAINED AND OPERATED. IT SHALL MEASURE RECORD, OVER A FIFTEEN MINUTE AVERAGE TIME PERIOD. NOX, CO, AND O₂ CONCENTRATIONS, ON A DRY BASIS OF THE INTERNAL COMBUSTION ENGINE EXHAUST, MEASURED AT THE STACK. THE SYSTEM SHALL ALSO CONVERT THE ACTUAL NOX CONCENTRATIONS TO A CORRECTED CONCENTRATION AT 15% OXYGEN, ON A DRY BASIS, AND CONTINUOUSLY RECORD THE CORRECTED STACK NOX CONCENTRATIONS. IN ADDITION, THE SYSTEM SHALL MONITOR AND RECORD THE DAILY NOX EMISSIONS IN POUNDS PER DAY AT THE OUTLET OF THE CONTROL SYSTEM. THIS MONITORING SYSTEM SHALL BE CERTIFIED TO COMPLY WITH THE REQUIREMENTS OF RULE 218.
[RULE 1110.2]
11. A DATA ACQUISITION SYSTEM SHALL BE INSTALLED AND MAINTAINED AS PER RULE 1110.2 (f) (1) (B).
[RULE 1110.2]

Emissions And Requirements:

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

PERMIT TO OPERATE

**Permit No. G11414
A/N 406576**

Equipment Description:

INTERNAL COMBUSTION ENGINE, NO. 2, WAUKESHA, MODEL NO. P9390GSI SPARK IGNITED, FOUR CYCLE, RICH BURN, NATURAL GAS FIRED, 2080 BHP, SIXTEEN CYLINDERS, TURBOCHARGED, AFTERRCOOLED, DRIVING A COGENERATION PLANT, WITH A CATALYTIC CONVERTER, NON-SELECTIVE TYPE, JOHNSON MATTHEY, MODEL NO. QXC90D-16, AND AN AIR TO FUEL RATIO CONTROLLER, MIRATECH, MODEL NO. MEC-2001.

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 EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS FOR RULE 1110.2 INCLUDING SECTION (f) (1) (C) (i) FOR VOC SOURCE TESTING.
[RULE 1110.2]
4. THIS ENGINE SHALL NOT BE OPERATED WITHOUT THE USE OF AN AUTOMATIC AIR TO FUEL RATIO CONTROLLER WHICH SHALL BE MAINTAINED AND KEPT IN PROPER OPERATING CONDITIONS AT ALL TIMES AS SPECIFIED BY THE MANUFACTURER.
[RULE 1303 (a) (1)-BACT]
5. THE CATALYTIC CONVERTER TEMPERATURE AND EXHAUST OXYGEN CONCENTRATION SHALL BE MAINTAINED WITHIN THE EFFECTIVE OPERATING RANGE OF THE CATALYTIC CONVERTER AS SPECIFIED BY THE MANUFACTURER.
[RULE 1303 (a) (1)-BACT]

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

6. THE EMISSIONS FROM THIS ENGINE SHALL NOT EXCEED THE FOLLOWING LIMITS (EXCEPT DURING COLD START-UP, NOT TO EXCEED 10 MINUTES):

		AFTER JULY 1, 2010	
	PPMV (at 15% O ₂) (DRY)	PPMV (at 15% O ₂) (DRY)	GM/BHP-HR
VOLATILE ORGANIC GASES (VOC)	37	30	0.15
NITROGEN OXIDES	13	11	0.15
CARBON MONOXIDE	33	33	0.24
PARTICULATE MATTER UNDER 10 MICRONS (PM ₁₀)			0.045

[RULE 1303 (a) (1)-BACT, RULE 1110.2]

7. RECORDS SHALL BE MAINTAINED IN ORDER TO COMPLY WITH CONDITION NOS. 3, 5, AND 6. THE RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303 (a) (1)-BACT, RULE 3004 (a) (4)]
8. THE ELECTRICITY GENERATED BY THIS ENGINE SHALL ONLY BE UTILIZED FOR THE HOSPITAL'S ENERGY REQUIREMENTS AND SHALL NOT BE SOLD OR DISTRIBUTED TO ANY ELECTRIC UTILITY COMPANY.
[RULE 1110.2; RULE 1303 (a) (1)-BACT]
9. A CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS) APPROVED BY THE DISTRICT ACCORDING TO RULE 218 SHALL BE INSTALLED, MAINTAINED AND OPERATED. IT SHALL MEASURE RECORD, OVER A FIFTEEN MINUTE AVERAGE TIME PERIOD. NOX, CO, AND O₂ CONCENTRATIONS, ON A DRY BASIS OF THE INTERNAL COMBUSTION ENGINE EXHAUST, MEASURED AT THE STACK. THE SYSTEM SHALL ALSO CONVERT THE ACTUAL NOX CONCENTRATIONS TO A CORRECTED CONCENTRATION AT 15% OXYGEN, ON A DRY BASIS, AND CONTINUOUSLY RECORD THE CORRECTED STACK NOX CONCENTRATIONS. IN ADDITION, THE SYSTEM SHALL MONITOR AND RECORD THE DAILY NOX EMISSIONS IN POUNDS PER DAY AT THE OUTLET OF THE CONTROL SYSTEM. THIS MONITORING SYSTEM SHALL BE CERTIFIED TO COMPLY WITH THE REQUIREMENTS OF RULE 218.
[RULE 1110.2]
10. A DATA ACQUISITION SYSTEM SHALL BE INSTALLED AND MAINTAINED AS PER RULE 1110.2 (f) (1) (B).
[RULE 1110.2]

Emissions And Requirements:

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

PERMIT TO OPERATE

Permit No. G11416
A/N 406577

Equipment Description:

INTERNAL COMBUSTION ENGINE, NO. 3, WAUKESHA, MODEL NO. P9390GSI SPARK IGNITED, FOUR CYCLE, RICH BURN, NATURAL GAS FIRED, 2080 BHP, SIXTEEN CYLINDERS, TURBOCHARGED, AFTERRCOOLED, DRIVING A COGENERATION PLANT, WITH A CATALYTIC CONVERTER, NON-SELECTIVE TYPE, JOHNSON MATTHEY, MODEL NO. QXC90D-16, AND AN AIR TO FUEL RATIO CONTROLLER, MIRATECH, MODEL NO. MEC-2001.

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 EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS FOR RULE 1110.2 INCLUDING SECTION (f) (1) (C) (i) FOR VOC SOURCE TESTING.
[RULE 1110.2]
4. THIS ENGINE SHALL NOT BE OPERATED WITHOUT THE USE OF AN AUTOMATIC AIR TO FUEL RATIO CONTROLLER WHICH SHALL BE MAINTAINED AND KEPT IN PROPER OPERATING CONDITIONS AT ALL TIMES AS SPECIFIED BY THE MANUFACTURER.
[RULE 1303 (a) (1)-BACT]
5. THE CATALYTIC CONVERTER TEMPERATURE AND EXHAUST OXYGEN CONCENTRATION SHALL BE MAINTAINED WITHIN THE EFFECTIVE OPERATING RANGE OF THE CATALYTIC CONVERTER AS SPECIFIED BY THE MANUFACTURER.
[RULE 1303 (a) (1)-BACT]

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

6. THE EMISSIONS FROM THIS ENGINE SHALL NOT EXCEED THE FOLLOWING LIMITS (EXCEPT DURING COLD START-UP, NOT TO EXCEED 10 MINUTES):

		AFTER JULY 1, 2010	
	PPMV (at 15% O ₂) (DRY)	PPMV (at 15% O ₂) (DRY)	GM/BHP-HR
VOLATILE ORGANIC GASES (VOC)	37	30	0.15
NITROGEN OXIDES	13	11	0.15
CARBON MONOXIDE	33	33	0.24
PARTICULATE MATTER UNDER 10 MICRONS (PM ₁₀) [RULE 1303 (a) (1)-BACT, RULE 1110.2]			0.045

7. RECORDS SHALL BE MAINTAINED IN ORDER TO COMPLY WITH CONDITION NOS. 3, 5, AND 6. THE RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303 (a) (1)-BACT, RULE 3004 (a) (4)]
8. THE ELECTRICITY GENERATED BY THIS ENGINE SHALL ONLY BE UTILIZED FOR THE HOSPITAL'S ENERGY REQUIREMENTS AND SHALL NOT BE SOLD OR DISTRIBUTED TO ANY ELECTRIC UTILITY COMPANY.
[RULE 1110.2; RULE 1303 (a) (1)-BACT]
9. A CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS) APPROVED BY THE DISTRICT ACCORDING TO RULE 218 SHALL BE INSTALLED, MAINTAINED AND OPERATED. IT SHALL MEASURE RECORD, OVER A FIFTEEN MINUTE AVERAGE TIME PERIOD. NOX AND O₂ CONCENTRATIONS, ON A DRY BASIS OF THE INTERNAL COMBUSTION ENGINE EXHAUST, MEASURED AT THE STACK. THE SYSTEM SHALL ALSO CONVERT THE ACTUAL NOX CONCENTRATIONS TO A CORRECTED CONCENTRATION AT 15% OXYGEN, ON A DRY BASIS, AND CONTINUOUSLY RECORD THE CORRECTED STACK NOX CONCENTRATIONS. IN ADDITION, THE SYSTEM SHALL MONITOR AND RECORD THE DAILY NOX EMISSIONS IN POUNDS PER DAY AT THE OUTLET OF THE CONTROL SYSTEM. THIS MONITORING SYSTEM SHALL BE CERTIFIED TO COMPLY WITH THE REQUIREMENTS OF RULE 218.
[RULE 1110.2]
10. A DATA ACQUISITION SYSTEM SHALL BE INSTALLED AND MAINTAINED AS PER RULE 1110.2 (f) (1) (B).
[RULE 1110.2]

Emissions And Requirements:

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

PERMIT TO OPERATE

**Permit No. G
A/N 544904**

Equipment Description:

BOILER NO. 3, FIRE TUBE ,SUPERIOR SEMINOLE, MODEL NO. MS6-X-2254, NATURAL GAS, METHANE/NATURAL GAS BLEND, OR METHANE, WITH ONE LOW NOX BURNER, POWERFLAME, MODEL NO. NVC-10-GG-30A, WITH OXYGEN TRIM, RATED AT WITH A 16,000,000 BTU PER HOUR, WITH AND A 20 H.P. COMBUSTION AIR BLOWER.

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 BOILER SHALL BE OPERATED IN FULL COMPLIANCE WITH THE APPLICABLE PROVISIONS OF RULE 1146.
[RULE 1146]
4. THIS BOILER SHALL BE FIRED WITH NATURAL GAS, NATURAL/METHANE GAS BLEND, OR METHANE GAS
[RULE 1146]
5. THE OPERATOR OF THIS EQUIPMENT SHALL COMPLY WITH SOURCE TESTING REQUIREMENTS IN SUBDIVISION (d)(6)--COMPLIANCE DETERMINATION OF RULE 1146.
[RULE 1146]
6. THE OPERATOR OF THIS EQUIPMENT SHALL COMPLY WITH PERIODIC MONITORING REQUIREMENTS OF RULE 1146 (d)(8).
[RULE 1146]
7. THIS BOILER SHALL EMIT NO MORE THAN 9 PPM FOR OXIDES OF NITROGEN (NOX) MEASURED BY VOLUME ON A DRY BASIS AT 3% OXYGEN AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES WHEN FIRING ON NATURAL GAS, NATURAL/METHANE GAS BLEND, OR METHANE GAS.
[RULE 1146]

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

8. EMISSIONS OF CARBON MONOXIDE (CO) SHALL NOT EXCEED 50 PPM REFERENCED AT 3% O₂ ON A DRY BASIS, AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES.
[RULE 1303 (a)-BACT]
9. THIS BOILER SHALL BE EQUIPPED WITH A NON-RESETTABLE, TOTALIZING FUEL FLOW METER
[40 CFR 60.48c(g)(2)]
10. THE OPERATOR SHALL RECORD AND MAINTAIN THE AMOUNT OF ALL FUEL COMBUSTED DURING EACH CALENDER MONTH. THE FUEL USAGE RECORDS SHALL BE KEPT FOR A PERIOD OF FIVE YEARS AND ALL RECORDS SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[40 CFR 60.48c(g)(2)]
11. RETAIN ALL RECORDS REQUIRED BY PERMIT FOR A PERIOD OF FIVE YEARS AND MAKE ALL RECORDS AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1146]
12. THE OWNER OR OPERATOR OF THE EQUIPMENT SHALL CONDUCT A SOURCE TEST UNDER THE FOLLOWING CONDITIONS:
 - A. SOURCE TESTING SHALL BE CONDUCTED WITHIN 30 DAYS AFTER ACHIEVING MAXIMUM PRODUCTION RATE AT WHICH THE EQUIPMENT WILL BE OPERATED, BUT NO LATER THAN 90 DAYS AFTER INITIAL START-UP.
 - B. THE SOURCE TEST SHALL BE DONE TO VERIFY COMPLIANCE PERMIT CONDITION NO. SEVEN AND EIGHT.
 - C. THE SOURCE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH SCAQMD METHOD 100.1.
 - D. THE TEST SHALL BE CONDUCTED FOR 15 MINUTES FOR EACH LOAD, WHILE FIRING AT MAXIMUM, MINIMUM AND AVERAGE FIRING RATES.
 - E. TWO COMPLETE COPIES OF SOURCE TEST REPORTS (INCLUDE THE APPLICATION NUMBER AND A COPY OF THE PERMIT IN THE REPORT) SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, ATTN: ROY OLIVARES, P.O. BOX 4941, DIAMOND BAR, CA 91765). THE RESULTS IN WRITING SHALL BE SUBMITTED WITHIN 45 DAYS AFTER THE SOURCE TEST IS COMPLETED. IT SHALL INCLUDE, BUT NOT LIMITED TO EMISSIONS RATE IN POUNDS PER HOUR AND CONCENTRATION IN PPMV AT THE OUTLET OF THE BOILER.
 - F. A TESTING LABORATORY CERTIFIED BY THE SCAQMD LABORATORY APPROVAL PROGRAM 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 AQMD "GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES", PURSUANT TO RULE 217.
[RULE 1146]

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

Emissions And Requirements:

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

NOx: 9 PPMV, RULE 1146, WHEN FIRING NATURAL GAS AFTER JANUARY 1, 2013
CO: 400 PPMV, RULE 1146
CO: 2000 PPMV, RULE 407
CO: 50 PPMV, RULE 1303
PM: 0.1 GR/SCF, RULE 409

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

PERMIT TO CONSTRUCT

**Permit No. G
A/N 530431**

Equipment Description:

Modification of Existing Boiler 2, Permit No. F98850

BOILER NO. 2, FIRE TUBE ,SUPERIOR SEMINOLE, MODEL NO. MS6-X-2254, NATURAL GAS, METHANE/NATURAL GAS BLEND, OR METHANE, WITH ONE LOW NOX BURNER, POWERFLAME, MODEL NO. NVC-10-GG-30A, WITH OXYGEN TRIM, RATED AT WITH A 16,000,000 BTU PER HOUR, WITH AND A 20 H.P. COMBUSTION AIR BLOWER.

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 BOILER SHALL BE OPERATED IN FULL COMPLIANCE WITH THE APPLICABLE PROVISIONS OF RULE 1146.
[RULE 1146]
4. THIS BOILER SHALL BE FIRED WITH NATURAL GAS, NATURAL/METHANE GAS BLEND, OR METHANE GAS
[RULE 1146]
5. THE OPERATOR OF THIS EQUIPMENT SHALL COMPLY WITH SOURCE TESTING REQUIREMENTS IN SUBDIVISION (d)(6)—COMPLIANCE DETERMINATION OF RULE 1146.
[RULE 1146]
6. THE OPERATOR OF THIS EQUIPMENT SHALL COMPLY WITH PERIODIC MONITORING REQUIREMENTS OF RULE 1146 (d)(8).
[RULE 1146]
7. THIS BOILER SHALL EMIT NO MORE THAN 9 PPM FOR OXIDES OF NITROGEN (NOX) MEASURED BY VOLUME ON A DRY BASIS AT 3% OXYGEN AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES WHEN FIRING ON NATURAL GAS, NATURAL/METHANE GAS BLEND, OR METHANE GAS.
[RULE 1146]

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

8. EMISSIONS OF CARBON MONOXIDE (CO) SHALL NOT EXCEED 50 PPM REFERENCED AT 3% O₂ ON A DRY BASIS, AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES.
[RULE 1303 (a)-BACT]
9. THIS BOILER SHALL BE EQUIPPED WITH A NON-RESETTABLE, TOTALIZING FUEL FLOW METER
[40 CFR 60.48c(g)(2)]
10. THE OPERATOR SHALL RECORD AND MAINTAIN THE AMOUNT OF ALL FUEL COMBUSTED DURING EACH CALENDER MONTH. THE FUEL USAGE RECORDS SHALL BE KEPT FOR A PERIOD OF FIVE YEARS AND ALL RECORDS SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[40 CFR 60.48c(g)(2)]
11. RETAIN ALL RECORDS REQUIRED BY PERMIT FOR A PERIOD OF FIVE YEARS AND MAKE ALL RECORDS AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1146]
12. THE OWNER OR OPERATOR OF THE EQUIPMENT SHALL CONDUCT A SOURCE TEST UNDER THE FOLLOWING CONDITIONS:
 - A. SOURCE TESTING SHALL BE DONE NO LATER THAN 6/30/2013.
 - B. THE SOURCE TEST SHALL BE DONE TO VERIFY COMPLIANCE PERMIT CONDITION NO. SEVEN AND EIGHT.
 - C. THE SOURCE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH SCAQMD METHOD 100.1.
 - D. THE TEST SHALL BE CONDUCTED FOR 15 MINUTES FOR EACH LOAD, WHILE FIRING AT MAXIMUM, MINIMUM AND AVERAGE FIRING RATES.
 - E. TWO COMPLETE COPIES OF SOURCE TEST REPORTS (INCLUDE THE APPLICATION NUMBER AND A COPY OF THE PERMIT IN THE REPORT) SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, ATTN: ROY OLIVARES, P.O. BOX 4941, DIAMOND BAR, CA 91765). THE RESULTS IN WRITING SHALL BE SUBMITTED WITHIN 45 DAYS AFTER THE SOURCE TEST IS COMPLETED. IT SHALL INCLUDE, BUT NOT LIMITED TO EMISSIONS RATE IN POUNDS PER HOUR AND CONCENTRATION IN PPMV AT THE OUTLET OF THE BOILER.
 - F. A TESTING LABORATORY CERTIFIED BY THE SCAQMD LABORATORY APPROVAL PROGRAM 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 AQMD "GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES", PURSUANT TO RULE 217.
[RULE 1146]

Emissions And Requirements:

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

Emissions And Requirements:

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

NOx: 9 PPMV, RULE 1146, WHEN FIRING NATURAL GAS AFTER JANUARY 1, 2013
CO: 400 PPMV, RULE 1146
CO: 2000 PPMV, RULE 407
CO: 50 PPMV, RULE 1303
PM: 0.1 GR/SCF, RULE 409

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

PERMIT TO OPERATE

Permit No. G
A/N 544903

Equipment Description:

BOILER NO. 1, FIRE TUBE ,SUPERIOR SEMINOLE, MODEL NO. MS6-X-2254, NATURAL GAS, METHANE/NATURAL GAS BLEND, OR METHANE, WITH FUEL OIL STAND-BY FUEL WITH ONE LOW NOX BURNER, POWERFLAME, MODEL NO. UCM400-GO-30, WITH OXYGEN TRIM, RATED AT WITH A 16,000,000 BTU PER HOUR, WITH FLUE GAS RECIRULCATION AND A 20 H.P. COMBUSTION AIR BLOWER.

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. THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN FULL USE WHENEVER THE BOILER IS COMBUSTING FUEL OIL
[RULE 1146]
4. THE OPERATOR SHALL HAVE THE BURNER EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE THE COMBUSTION AIR, FUEL, AND RECIRCULATION FLUE GAS AS THE BOILER LOAD VARIES. THIS CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS TO MAINTAIN ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME FIRING RATE.
[RULE 1146]
5. THIS BOILER SHALL BE OPERATED IN FULL COMPLIANCE WITH THE APPLICABLE PROVISIONS OF RULE 1146.
[RULE 1146]
6. THE BOILER SHALL BE FIRED ON NATURAL GAS NATURAL/METHANE GAS BLEND OR METHANE. FUEL OIL USE IS RESTRICTED TO PERIODS OF NATURAL GAS CURTAILMENT, NATURAL GAS SUPPLY EMERGENCIES, MAINTENANCE TESTING OR PERIODIC TESTING. PERIODIC TESTING OF FUEL OIL SHALL NOT EXCEED A COMBINED TOTAL OF 48 HOURS DURING ANY ONE CALENDAR YEAR.
[RULE 1146, 40 CFR 63.11237]

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

7. WHENEVER THE BOILER IS OPERATED ON FUEL OIL, MONTHLY CALENDAR AND CALENDAR YEAR , RECORDS SHALL BE MAINTAINED FOR THE BOILER AND SHALL INCLUDE THE FOLLOWING. (1) THE DATE. (2) THE REASON THE BOILER WAS OPERATED ON FUEL OIL. (3) THE HOURS OF OPERATION ON FUEL OIL (4) AMOUNT OF FUEL OIL USED. ALL RECORDS SHALL BE, (1) RECORDED IN A MANNER WHICH HAS BEEN APPROVED IN WRITING BY THE EXECUTIVE OFFICER, (2) KEPT FOR AT LEAST FIVEYEARS, AND (3) MADE AVAILABLE TO SCAQMD PERSONNEL UPON REQUEST.
[RULE 1146, 40 CFR 63.11237, 40 CFR 60.48c(g)(2)]
8. THE OPERATOR OF THIS EQUIPMENT SHALL COMPLY WITH SOURCE TESTING REQUIREMENTS IN SUBDIVISION (d)(6)--COMPLIANCE DETERMINATION OF RULE 1146.
[RULE 1146]
9. THE OPERATOR OF THIS EQUIPMENT SHALL COMPLY WITH PERIODIC MONITORING REQUIREMENTS OF RULE 1146 (d)(8).
[RULE 1146]
10. THIS BOILER SHALL EMIT NO MORE THAN 9 PPM FOR OXIDES OF NITROGEN (NOX) MEASURED BY VOLUME ON A DRY BASIS AT 3% OXYGEN AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES WHEN FIRING ON NATURAL GAS, NATURAL/METHANE GAS BLEND, OR METHANE GAS. .
[RULE 1146]
11. EMISSIONS OF CARBON MONOXIDE (CO) SHALL NOT EXCEED 50 PPM REFERENCED AT 3% O2 ON A DRY BASIS, AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES WHEN FIRING ON NATURAL GAS.
[RULE 1303 (a)-BACT]
12. EMISSIONS OF NOX SHALL NOT EXCEED 40 PPM REFERENCED AT 3% O2 ON A DRY BASIS, AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES WHENEVER THIS EQUIPMENT IS FIRED WITH OIL.
[RULE 1146]
13. EMISSIONS OF CARBON MONOXIDE (CO) SHALL NOT EXCEED 400 PPM REFERENCED AT 3% O2 ON A DRY BASIS, AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES WHEN FIRING ON FUEL OIL.
[RULE 1146]
14. FUEL OIL SUPPLIED TO THE BURNER SHALL BE NO. 2 OR A LIGHTER GRADE AS DESCRIBED BY THE LATEST ASTM SPECIFICATIONS AND SHALL CONTAIN LESS THAN 0.05 PERCENT SULFUR BY WEIGHT IF PURCHASED PRIOR TO 6/1/04 AND LESS THAN 15 PPM SULFUR BY WEIGHT IF PURCHASED ON OR AFTER 6/1/04.
[RULE 431.2, 40 CFR 60.42c(h)(1)]
15. MATERIAL SAFETY DATA SHEETS (MSDS) FOR THE FUEL OIL PURCHASED IN THIS EQUIPMENT, THE MSDS SHALL INCLUDE THE MINIMUM INFORMATION, NAME OF OIL SUPPLIER, THE MAXIMUM SULFUR CONTENT OF THE FUEL OIL. THIS INFORMATION SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[40 CFR 60.48c(f) , 40 CFR 60.42c(h)(1)]

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

16. THIS BOILER SHALL BE EQUIPPED WITH A NON-RESETTABLE, TOTALIZING FUEL FLOW METER FOR EACH FUEL USED.
[40 CFR 60.48c(g)(2)]
17. THE OPERATOR SHALL RECORD AND MAINTAIN THE AMOUNT OF NATURAL GAS, METHANE/NATURAL GAS BLEND, OR METHANE COMBUSTED DURING EACH CALENDER MONTH. THE FUEL USAGE RECORDS SHALL BE KEPT FOR A PERIOD OF FIVE YEARS AND ALL RECORDS SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[40 CFR 60.48c(g)(2)]
18. RETAIN ALL RECORDS REQUIRED BY PERMIT FOR A PERIOD OF FIVE YEARS AND MAKE ALL RECORDS AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1146]
19. THE OWNER OR OPERATOR OF THE EQUIPMENT SHALL CONDUCT A SOURCE TEST UNDER THE FOLLOWING CONDITIONS:
 - A. SOURCE TESTING SHALL BE DONE NO LATER THAN 6/30/2013.
 - B. THE SOURCE TEST SHALL BE DONE TO VERIFY COMPLIANCE PERMIT CONDITION NO. TEN, ELEVEN AND TWELVE.
 - C. THE SOURCE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH SCAQMD METHOD 100.1.
 - D. THE TEST SHALL BE CONDUCTED FOR 15 MINUTES FOR EACH LOAD, WHILE FIRING AT MAXIMUM, MINIMUM AND AVERAGE FIRING RATES.
 - E. TWO COMPLETE COPIES OF SOURCE TEST REPORTS (INCLUDE THE APPLICATION NUMBER AND A COPY OF THE PERMIT IN THE REPORT) SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, ATTN: ROY OLIVARES, P.O. BOX 4941, DIAMOND BAR, CA 91765). THE RESULTS IN WRITING SHALL BE SUBMITTED WITHIN 45 DAYS AFTER THE SOURCE TEST IS COMPLETED. IT SHALL INCLUDE, BUT NOT LIMITED TO EMISSIONS RATE IN POUNDS PER HOUR AND CONCENTRATION IN PPMV AT THE OUTLET OF THE BOILER.
 - F. A TESTING LABORATORY CERTIFIED BY THE SCAQMD LABORATORY APPROVAL PROGRAM 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 AQMD "GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES", PURSUANT TO RULE 217.
[RULE 1146]

Periodic Monitoring:

20. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSION FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THIS EQUIPMENT HAS

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

20. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSION FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THIS EQUIPMENT HAS COMBUSTED ONE MILLION GALLONS OF FUEL OIL, TO BE COUNTED CUMULATIVELY OVER A FIVE YEAR PERIOD. THE INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE HOUR, THE OPERATOR SHALL EITHER:

- C. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN THE SAME FASHION AS DEVIATIONS ARE REQUIRED TO BE REPORTED IN SECTION K OF THIS PERMIT; OR
- D. HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION", WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATIONS TO AQMD.

IN ADDITION, THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:

- E. STACK OR EMISSION POINT IDENTIFICATION;
- F. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;
- G. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
- H. VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER.
[RULE 3004 (a) (4)]

21. IF ANNUAL FUEL OIL USAGE EXCEEDS 2,000,000 GALLONS IN ANY ONE YEAR, THEN THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE PARTICULATE MATTER (PM) EMISSION LIMIT(S) BY CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY FIVE YEARS USING AQMD METHOD 5.2 . THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 409 LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.

FOR THE PURPOSE OF DETERMINING COMPLIANCE WITH RULE 409 LIMIT, THE EMISSIONS SHALL BE MEASURED AND AVERAGED OVER A 60 MINUTE TIME PERIOD.

THE OPERATOR SHALL CONDUCT AN ANNUAL MAINTENANCE INSPECTION CHECK OF THE OPERATING PRESSURE, TEMPERATURE, AIR SUPPLY, VENT, SMOKE SPOT, BURNER CONDITION, HEAT-TRANSFER SURFACE CONDITION, WATER TREATMENT, BLOWDOWN AND LEAKAGE.

THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:

- A. DATE WHEN ANNUAL MAINTENANCE INSPECTION WAS CONDUCTED.
[RULE 3004 (a) (4)]

22. FOR UNITS WITH A HEAT INPUT GREATER THAN 10 MMBTU/HR AND ANNUAL OIL USAGE GREATER THAN 1,000,000 GALLONS OR GREATER THAN 336 HOURS OF OPERATION, BUT DO

FACILITY PERMIT TO OPERATE HOAG MEM HOSP PRESBYTERIAN

NOT EXCEED 2,000,000 GALLONS IN ANY ONE YEAR. THE OPERATOR SHALL CONDUCT AN ANNUAL MAINTENANCE INSPECTION CHECK OF THE OPERATING PRESSURE, TEMPERATURE, AIR SUPPLY, VENT, SMOKE SPOT, BURNER CONDITION, HEAT-TRANSFER SURFACE CONDITION, WATER TREATMENT, BLOWDOWN AND LEAKAGE

THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:

A. DATE WHEN ANNUAL MAINTENANCE INSPECTION WAS CONDUCTED.
[RULE 3004 (a) (4)]

Emissions And Requirements:

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

NOx: 9 PPMV, RULE 1146, WHEN FIRING NATURAL GAS AFTER JANUARY 1, 2013
NOx: 40 PPMV, RULE 1146, WHEN FIRING ON FUEL OIL
CO: 400 PPMV, RULE 1146, WHEN FIRING ON FUEL OIL
CO: 2000 PPMV, RULE 407
CO: 50 PPMV, RULE 1303, WHEN FIRING ON NATURAL GAS
PM: 0.1 GR/SCF, RULE 409

**FACILITY PERMIT TO OPERATE
HOAG MEM HOSP PRESBYTERIAN**

PERMIT TO OPERATE

Permit No. G19999
A/N 520097

Equipment Description:

BOILER, SUPERIOR SEMINOLE, MODEL NO. 6X-3000-S150, FIRETUBE TYPE, WITH A NATURAL GAS-FIRED, LOW NOX BURNER, ALZETA, MODEL NO. CSB-252-LEA, RATED AT 25,200,000 BTU PER HOUR, AND EQUIPPED WITH A FLUE GAS RECIRCULATION SYSTEM.

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. THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN FULL USE WHENEVER THE BOILER IS IN OPERATION.
[RULE 1146]
4. THIS BOILER SHALL BE OPERATED IN FULL COMPLIANCE WITH THE APPLICABLE PROVISIONS OF RULE 1146.
[RULE 1146]
5. THIS BOILER SHALL BE FIRED WITH NATURAL GAS ONLY.
[RULE 1146]
6. THE OPERATOR OF THIS EQUIPMENT SHALL COMPLY WITH PERIODIC MONITORING REQUIREMENTS OF RULE 1146 (d)(8).
[RULE 1146]
7. THE OPERATOR OF THIS EQUIPMENT SHALL COMPLY WITH SOURCE TESTING REQUIREMENTS IN SUBDIVISION (d)(6)--COMPLIANCE DETERMINATION OF RULE 1146.
[RULE 1146]
8. THIS BOILER SHALL EMIT NO MORE THAN 9 PPM FOR OXIDES OF NITROGEN (NOX) MEASURED BY VOLUME ON A DRY BASIS AT 3% OXYGEN AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES WHEN FIRING ON NATURAL GAS.
[RULE 1303]
9. EMISSIONS OF CARBON MONOXIDE (CO) SHALL NOT EXCEED 50 PPM REFERENCED AT 3% O₂ ON A DRY BASIS, AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES.

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[RULE 1303]

10. THIS BOILER SHALL BE EQUIPPED WITH A NON-RESETTABLE, TOTALIZING FUEL FLOW METER
[40 CFR 60.48c(g)(2)]
11. THE OPERATOR SHALL RECORD AND MAINTAIN THE AMOUNT OF ALL FUEL COMBUSTED
DURING EACH CALENDER MONTH. THE FUEL USAGE RECORDS SHALL BE KEPT FOR A PERIOD
OF FIVE YEARS AND ALL RECORDS SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL
UPON REQUEST
[40 CFR 60.48c(g)(2)]
12. RETAIN ALL RECORDS REQUIRED BY PERMIT FOR A PERIOD OF FIVE YEARS AND MAKE ALL
RECORDS AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1146]

Emissions And Requirements:

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

NOx: 9 PPMV, RULE 1146
CO: 400 PPMV, RULE 1146
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409
NOx: 9 PPMV, RULE 1303
CO: 50 PPMV, RULE 1303

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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, KITCHEN EQUIPMENT AND BURNERS.

Emissions And Requirements:

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

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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, UNDERGROUND FUEL TANKS.

Emissions And Requirements:

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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, COATING OPERATIONS, 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 REGULATIONS:
VOC: RULE 1113, SEE APPENDIX B FOR EMISSION LIMITS
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMIT

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RULE 219 EQUIPMENT

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, 1415.1
REFRIGERANT: 40CFR 82 SUBPART F

**FACILITY PERMIT TO OPERATE
LA CITY, DWP SCATTERGOOD GENERATING STN**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

FACILITY CONDITIONS

F2.1 The operator shall limit emissions from this facility as follows:

CONTAMINANT	EMISSIONS LIMIT
PM	Less than 100 TONS IN ANY ONE YEAR

FACILITY PERMIT TO OPERATE LA CITY, DWP SCATTERGOOD GENERATING STN

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

For the purpose of this condition, the PM shall be defined as particulate matter with aerodynamic diameter of 2.5 microns or less.

For purposes of demonstrating compliance with the 100 ton per year limit the operator shall determine the PM_{2.5} emissions for each of the major sources at the facility by calculating a 12-month rolling average using the following formula:

$$PM_{2.5} = (FF1*EF1 + FF2*EF2 + FF4*EF4 + FF6*EF6 + FF7*EF7 + FFd1*EFd1 + FFd2*EFd2)/2000$$

Where: PM_{2.5} = PM_{2.5} emissions in tons per year

FF1= fuel flow for Unit 1 in MMscf, Unit 1 is a boiler generator, FF2= fuel flow for Unit 2 in MMscf, Unit 2 is a boiler generator, FF4= fuel flow for Unit 4 in MMscf, Unit 4 is the GE 7FA.05 turbine generator, FF6= fuel flow for Unit 6 in MMscf, Unit 6 is the GE LMS100PA turbine generator, FF7= fuel flow for Unit 7 in MMscf, Unit 7 is the GE LMS100PA turbine generator, FFD1= fuel flow for standby generator D19 in Mgal, FFD2= fuel flow for standby generator D116 in Mgal.

EF1= emission factor for Unit 1 = 7.6 lb/MMscf, EF2= emission factor for Unit 2 = 7.6 lb/MMscf, EF4= emission factor for Unit 4 = 5.10 lb/MMscf, EF6= emission factor for Unit 6 = 6.70 lb/MMscf, EF7= emission factor for Unit 7 = 6.70 lb/MMscf, EFD1= emission factor for D19 = 34.4 lb/Mgal, EFD2= emission factor for D116 = 0.3 lb/Mgal

Any changes to these emission factors must be approved in advance by the District in writing and be based on unit specific source tests performed using a District approved testing protocol.

[RULE 1325, 6-3-2011]