



# South Coast Air Quality Management District

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

October 22, 2013

Mr. Robert Calderon  
Facility Services Director  
Kaiser Foundation Hospital  
1550 N. Edgemont Avenue  
Los Angeles, CA 90027

**SUBJECT:** Title V Facility De Minimis Significant Permit Revision (Facility ID: 800429)

Dear Mr. Calderon:

Please find attached the revised Title Page, Table of Contents, and Section D of your Title V Facility Permit. The revised sections reflect the approval of the permit revisions requested in your Application No. 551472. The proposed permit revision was submitted to EPA for 45-day review on June 21, 2013. On August 4, 2013, EPA review was completed with no comments received from EPA. On September 12, 2013, the Rule 212(c)(1) public notice distributions were completed. This permit revision includes the modification of five boilers as follows.

Equipment	Application No.	Permit No.	Permit Type
Boiler No. 3	543834	G27902	PO
Boiler No. 2	543835	G27903	PO
Boiler No. 1	543836	G27904	PO
Boiler No. 5	543837	G27905	PO
Boiler No. 4	543838	G27906	PO

Prior Permit to Operate Nos. F98790, F98786, F98784, F98792, and F98791 for the five boilers, as well as Permit to Operate Nos. F85068 and F61842 for two emergency internal combustion engines for which permits have been inactivated, have been removed from the facility permit.

Please review the attached sections carefully. Insert the enclosed sections into your Title V Facility Permit and discard the earlier versions. Questions concerning changes to your permit should be directed to Ms. Vicky Lee at (909) 396-2284.

Very truly yours,

Andrew Lee, P.E.  
Senior Manager  
Energy/Public Services/Waste Mgmt/Terminals-Permitting  
Engineering and Compliance

AYL:CDT:JYT:VL

Enclosure: Facility Permit

cc: Gerardo Rios, EPA Region IX (w/ enclosure)  
Cher Snyder, AQMD Compliance (w/ enclosure)



## FACILITY PERMIT TO OPERATE

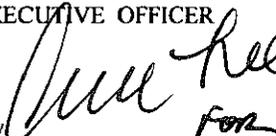
**KAISER FOUNDATION HOSPITAL  
1550 N EDGEMONT ST  
LOS ANGELES, CA 90027**

### NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.  
EXECUTIVE OFFICER

By   
FOR

Mohsen Nazemi, P.E.  
Deputy Executive Officer  
Engineering & Compliance



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

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**FACILITY PERMIT TO OPERATE  
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**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 KAISER FOUNDATION HOSPITAL

### PERMITTED EQUIPMENT LIST

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

Application Number	Permit Number	Equipment Description
472454	F94879	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
208106	D71276	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
472455	F94881	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
289179	D80266	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
472456	F94882	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
266593	D53636	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
472460	F94884	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN - DIESEL
472383	F94878	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN - DIESEL
472381	F94877	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN - DIESEL
472380	F94876	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN - DIESEL
472379	F94875	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN - DIESEL
472378	F94873	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN - DIESEL
440651	F85364	BOILER (<5 MMBTU/HR) NATURAL GAS
294355	D86800	BOILER (< 5 MMBTU/HR) NATURAL GAS
294357	D87887	BOILER (< 5 MMBTU/HR) NATURAL GAS
543834	G27902	BOILER (5 - 20 MMBTU/HR) COMB GAS-DISTILL
543835	G27903	BOILER (5 - 20 MMBTU/HR) COMB GAS-DISTILL
543836	G27904	BOILER (5 - 20 MMBTU/HR) COMB GAS-



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		DISTILL
543837	G27905	BOILER (5 - 20 MMBTU/HR) COMB GAS-DISTILL
543838	G27906	BOILER (5 - 20 MMBTU/HR) COMB GAS-DISTILL

**NOTE:** EQUIPMENTS LISTED ABOVE THAT HAVE NO CORRESPONDING PERMITS TO OPERATE NUMBERS 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 KAISER FOUNDATION HOSPITAL

### FACILITY WIDE CONDITION(S)

**Condition(s):**

1. EXCEPT FOR OPEN ABRASIVE BLASTING OPERATIONS, THE OPERATOR SHALL NOT DISCHARGE INTO THE ATMOSPHERE FROM ANY SINGLE SOURCE OF EMISSIONS WHATSOEVER ANY AIR CONTAMINANT FOR A PERIOD OR PERIODS AGGREGATING MORE THAN THREE MINUTES IN ANY ONE HOUR WHICH IS:
  - A. AS DARK OR DARKER IN SHADE AS THAT DESIGNATED NO. 1 ON THE RINGELMANN CHART, AS PUBLISHED BY THE UNITED STATES BUREAU OF MINES; OR
  - B. OF SUCH OPACITY AS TO OBSCURE AN OBSERVER'S VIEW TO A DEGREE EQUAL TO OR GREATER THAN DOES SMOKE DESCRIBED IN SUBPARAGRAPH (A) OF THIS CONDITION.  
[RULE 401]
2. THE OPERATOR SHALL NOT USE FUEL OIL CONTAINING SULFUR COMPOUNDS IN EXCESS OF 0.05 PERCENT BY WEIGHT.  
[RULE 431.2]
3. AFTER JUNE 1, 2004, THE OPERATOR SHALL NOT PURCHASE ANY DIESEL FUEL UNLESS THE FUEL IS LOW SULFUR DIESEL FOR WHICH THE SULFUR CONTENT SHALL NOT EXCEED 15 PPM BY WEIGHT AS SUPPLIED BY THE SUPPLIER.  
[RULE 431.2]
4. THE OPERATOR SHALL NOT USE NATURAL GAS CONTAINING SULFUR COMPOUNDS, CALCULATED AS H<sub>2</sub>S, IN EXCESS OF 16 PARTS PER MILLION BY VOLUME (PPMV). THE OPERATOR SHALL NOT USE OTHER GASEOUS FUELS CONTAINING SULFUR COMPOUNDS, CALCULATED AS H<sub>2</sub>S, IN EXCESS OF 40 PPMV AS MEASURED OVER 4 HOURS AVERAGING PERIOD.  
[RULE 431.1]



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**PERMIT TO OPERATE**

**Permit No. F94879  
A/N 472454**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, ALLIS CHALMER, DIESEL FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 670T, SERIAL NO. 70-22053, 8 CYLINDERS, TURBOCHARGED, AFTERCOOLED, 162 BHP.

**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. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH, ON A MONTHLY BASIS, SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR THE OPERATION)

IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 3004 (a)(4), RULE 1304 (a)(4)]

4. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO STANDARD TIMING.  
[RULE 1303(a)(1)-BACT]
5. THE OPERATOR OF THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF SCAQMD RULES 431.2 AND 1470.  
[RULE 1470; RULE 431.2, RULE 3004 (a)(1)]



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

6. THIS ENGINE SHALL NOT BE USED AS PART OF AN INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO DO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1303(a)(1)-BACT]

### Periodic Monitoring:

7. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.  
[RULE 3004 (a)(4)]
8. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 30 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 3004 (a)(4), RULE 1304 (a)(4)]
9. THE OPERATION OF THE ENGINE BEYOND THE 30 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 ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1303(a)(1)-BACT]

### Emissions And Requirements:

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



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**PERMIT TO OPERATE**

**Permit No. D71276  
A/N 208106**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, CATERPILLAR, MODEL NO. 3208, DIESEL FUELED, EMERGENCY ELECTRICAL GENERATION, 8 CYLINDERS, TURBOCHARGED, INTERCOOLED, 192 BHP.

**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. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH, ON A MONTHLY BASIS, SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR THE OPERATION)

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

[RULE 3004 (a)(4), RULE 1304 (a)(4)]

4. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO STANDARD TIMING.  
[RULE 1303(a)(1)-BACT]
5. THE OPERATOR OF THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF SCAQMD RULES 431.2 AND 1470.  
[RULE 1470; RULE 431.2, RULE 3004 (a)(1)]
6. THIS ENGINE SHALL NOT BE USED AS PART OF AN INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO DO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1303(a)(1)-BACT]



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### Periodic Monitoring:

7. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.  
[RULE 3004 (a)(4)]
8. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 30 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 3004 (a)(4), RULE 1304 (a)(4)]
9. THE OPERATION OF THE ENGINE BEYOND THE 30 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 ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1303(a)(1)-BACT]

### Emissions And Requirements:

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



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

### PERMIT TO OPERATE

Permit No. F94881  
A/N 472455

#### Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 6CTA8.3G, 6 CYLINDERS, FOUR CYCLE, TURBOCHARGED, AFTERCOOLED, 264 BHP, WITH 1 EXHAUST.

#### 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 FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO STANDARD TIMING.  
[RULE 1303(a)(1)-BACT]
4. THE IGNITION TIMING OF THIS ENGINE SHALL BE INSPECTED, ADJUSTED, AND CERTIFIED AT A MINIMUM OF ONCE EVERY THREE YEARS OF OPERATION. INSPECTIONS, ADJUSTMENTS, AND CERTIFICATIONS SHALL BE PERFORMED BY A QUALIFIED MECHANIC AND DONE IN ACCORDANCE WITH THE ENGINE MANUFACTURER'S SPECIFICATIONS AND PROCEDURES.  
[RULE 1303(a)(1)-BACT]
5. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH, ON A MONTHLY BASIS, SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR THE OPERATION)

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

[RULE 3004 (a)(4), RULE 1304 (a)(4)]



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

6. THE OPERATOR OF THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF SCAQMD RULES 431.2 AND 1470.  
[RULE 1470; RULE 431.2, RULE 3004 (a)(1)]
7. THIS ENGINE SHALL NOT BE USED AS PART OF AN INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO DO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1303(a)(1)-BACT]

### Periodic Monitoring:

8. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.  
[RULE 3004 (a)(4)]
9. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 30 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 3004 (a)(4), RULE 1304 (a)(4)]
10. THE OPERATION OF THE ENGINE BEYOND THE 30 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 ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1303(a)(1)-BACT]

### Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE  
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**PERMIT TO OPERATE**

**Permit No. D80266  
A/N 289179**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, CATERPILLAR, MODEL NO. 3208 ATAAC, 8 CYLINDERS, TURBOCHARGED, AFTERCOOLED, DIESEL-FUELED, 292 BHP, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH, ON A MONTHLY BASIS, SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR THE OPERATION)

IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 3004 (a)(4), RULE 1304 (a)(4)]

4. THE OPERATOR OF THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF SCAQMD RULES 431.2 AND 1470.  
[RULE 1470; RULE 431.2, RULE 3004 (a)(1)]
5. THIS ENGINE SHALL NOT BE USED AS PART OF AN INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO DO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1303(a)(1)-BACT]



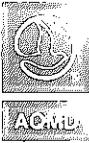
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### Periodic Monitoring:

6. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.  
[RULE 3004 (a)(4)]
7. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 30 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 3004 (a)(4)]
8. THE OPERATION OF THE ENGINE BEYOND THE 30 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 ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1303(a)(1)-BACT]

### Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE  
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**PERMIT TO OPERATE**

**Permit No. F94882  
A/N 472456**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, CUMMINS, MODEL NO. LTA10-G1, SERIAL NO. 35042271, EMERGENCY ELECTRICAL GENERATION, DIESEL FUELED, 6 CYLINDERS, TURBOCHARGED AND AFTERCOOLED, 380 BHP.

**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. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH, ON A MONTHLY BASIS, SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR THE OPERATION)

IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 3004 (a)(4), RULE 1304 (a)(4)]

4. THE OPERATOR OF THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF SCAQMD RULES 431.2 AND 1470.  
[RULE 1470; RULE 431.2, RULE 3004 (a)(1)]
5. IN ADDITION TO MAINTENANCE AND TESTING, THIS ENGINE SHALL ONLY OPERATE DURING EMERGENCIES RESULTING IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING STAGE II OR III ELECTRICAL EMERGENCY DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.  
[RULE 1304 (a)(4)]



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

6. THIS ENGINE SHALL NOT BE USED AS PART OF AN INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO DO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1303(a)(1)-BACT]

### Periodic Monitoring:

7. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.  
[RULE 3004 (a)(4)]
8. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 30 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 3004 (a)(4), RULE 1304 (a)(4)]
9. THE OPERATION OF THE ENGINE BEYOND THE 30 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 ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1303(a)(1)-BACT]

### Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE  
KAISER FOUNDATION HOSPITAL**

**PERMIT TO OPERATE**

**Permit No. D53636  
A/N 266593**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL FUELED, EMERGENCY ELECTRICAL GENERATOR, MODEL NO. NTA855-G6, SERIAL NO. 55852/11043504, 6 CYLINDERS, FOUR CYCLE, TURBOCHARGED AND AFTERCOOLED, 425 BHP.

**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. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH, ON A MONTHLY BASIS, SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR THE OPERATION)

IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 3004 (a)(4), RULE 1304 (a)(4)]

4. THE OPERATOR OF THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF SCAQMD RULES 431.2 AND 1470.  
[RULE 1470; RULE 431.2, RULE 3004 (a)(1)]
5. THIS ENGINE SHALL NOT BE USED AS PART OF AN INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO DO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1303(a)(1)-BACT]



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

### Periodic Monitoring:

6. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.  
[RULE 3004 (a)(4)]
7. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 30 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 3004 (a)(4), RULE 1304 (a)(4)]
8. THE OPERATION OF THE ENGINE BEYOND THE 30 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 ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1303(a)(1)-BACT]

### Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE  
KAISER FOUNDATION HOSPITAL**

**PERMIT TO OPERATE**

**Permit No. F94884  
A/N 472460**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, 12 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. 12V-92TA (8123-7405), 830 BHP, DIESEL-FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO STANDARD TIMING.  
[RULE 1303(a)(1)-BACT]
4. THE IGNITION TIMING OF THIS ENGINE SHALL BE INSPECTED, ADJUSTED, AND CERTIFIED AT A MINIMUM OF ONCE EVERY THREE YEARS OF OPERATION. INSPECTIONS, ADJUSTMENTS, AND CERTIFICATIONS SHALL BE PERFORMED BY A QUALIFIED MECHANIC AND DONE IN ACCORDANCE WITH THE ENGINE MANUFACTURER'S SPECIFICATIONS AND PROCEDURES.  
[RULE 1303(a)(1)-BACT]
5. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH, ON A MONTHLY BASIS, SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR THE OPERATION)

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

[RULE 3004 (a)(4), RULE 1304 (a)(4)]



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

6. THE OPERATOR OF THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF SCAQMD RULES 431.2 AND 1470.  
[RULE 1470; RULE 431.2, RULE 3004 (a)(1)]
7. THIS ENGINE SHALL NOT BE USED AS PART OF AN INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO DO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1303(a)(1)-BACT]

### Periodic Monitoring:

8. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.  
[RULE 3004 (a)(4)]
9. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 30 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 3004 (a)(4), RULE 1304 (a)(4)]
10. THE OPERATION OF THE ENGINE BEYOND THE 30 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 ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1303(a)(1)-BACT]

### Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE  
KAISER FOUNDATION HOSPITAL**

**PERMIT TO OPERATE**

**Permit No. F94878  
A/N 472383**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, CATERPILLAR, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3516B DITA, SERIAL NO. 1HZ02277, AMBER 363 FUELED, WITH DIESEL FUEL AS BACK-UP FUEL, 16 CYLINDERS, TURBOCHARGED AND AFTERCOOLED, 2847 BHP.

**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 OPERATOR OF THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF SCAQMD RULES 431.2 AND 1470.  
[RULE 1470; RULE 431.2, RULE 3004 (a)(1)]
4. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH, ON A MONTHLY BASIS, SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR THE OPERATION)

IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 3004 (a)(4), RULE 1304 (a)(4)]

5. THIS ENGINE SHALL NOT BE USED AS PART OF AN INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO DO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1303(a)(1)-BACT]



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

### Periodic Monitoring:

6. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 3004 (a)(4), RULE 1304 (a)(4)]
7. THE OPERATION OF THE ENGINE 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 ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1303(a)(1)-BACT]
8. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.  
[RULE 3004 (a)(4)]

### Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE  
KAISER FOUNDATION HOSPITAL**

**PERMIT TO OPERATE**

**Permit No. F94877  
A/N 472381**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, CATERPILLAR, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3516B DITA, SERIAL NO. 1HZ02279, AMBER 363 FUELED, WITH DIESEL FUEL AS A BACK-UP FUEL, 16 CYLINDERS, TURBOCHARGED AND AFTERCOOLED, 2847 BHP.

**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 OPERATOR OF THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF SCAQMD RULES 431.2 AND 1470.  
[RULE 1470; RULE 431.2, RULE 3004 (a)(1)]
4. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH, ON A MONTHLY BASIS, SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR THE OPERATION)

IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 3004 (a)(4), RULE 1304 (a)(4)]

5. THIS ENGINE SHALL NOT BE USED AS PART OF AN INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO DO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1303(a)(1)-BACT]



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

### Periodic Monitoring:

6. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 3004 (a)(4), RULE 1304 (a)(4)]
7. THE OPERATION OF THE ENGINE 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 ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1303(a)(1)-BACT]
8. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.  
[RULE 3004 (a)(4)]

### Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE  
KAISER FOUNDATION HOSPITAL**

**PERMIT TO OPERATE**

**Permit No. F94876  
A/N 472380**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, CATERPILLAR, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3516B DITA, SERIAL NO. 1HZ02281, AMBER 363 FUELED, WITH DIESEL FUEL AS A BACK-UP FUEL, 16 CYLINDERS, TURBOCHARGED AND AFTERCOOLED, 2847 BHP.

**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 OPERATOR OF THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF SCAQMD RULES 431.2 AND 1470.  
[RULE 1470; RULE 431.2, RULE 3004 (a)(1)]
4. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH, ON A MONTHLY BASIS, SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR THE OPERATION)

IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 3004 (a)(4), RULE 1304 (a)(4)]
5. THIS ENGINE SHALL NOT BE USED AS PART OF AN INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO DO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1303(a)(1)-BACT]



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

### Periodic Monitoring:

6. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 3004 (a)(4), RULE 1304 (a)(4)]
7. THE OPERATION OF THE ENGINE 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 ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1303(a)(1)-BACT]
8. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.  
[RULE 3004 (a)(4)]

### Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE  
KAISER FOUNDATION HOSPITAL**

**PERMIT TO OPERATE**

**Permit No. F94875  
A/N 472379**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, CATERPILLAR, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3516B DITA, SERIAL NO. 1HZ02282, AMBER 363 FUELED, WITH DIESEL FUEL AS A BACK-UP FUEL, 16 CYLINDERS, TURBOCHARGED AND AFTERCOOLED, 2847 BHP.

**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 OPERATOR OF THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF SCAQMD RULES 431.2 AND 1470.  
[RULE 1470; RULE 431.2, RULE 3004 (a)(1)]
4. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH, ON A MONTHLY BASIS, SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR THE OPERATION)

IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 3004 (a)(4), RULE 1304 (a)(4)]

5. THIS ENGINE SHALL NOT BE USED AS PART OF AN INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO DO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1303(a)(1)-BACT]



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

### Periodic Monitoring:

6. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 3004 (a)(4), RULE 1304 (a)(4)]
7. THE OPERATION OF THE ENGINE 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 ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1303(a)(1)-BACT]
8. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.  
[RULE 3004 (a)(4)]

### Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE  
KAISER FOUNDATION HOSPITAL**

**PERMIT TO OPERATE**

**Permit No. F94873  
A/N 472378**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, CATERPILLAR, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3516B DITA, SERIAL NO. 1HZ02276, AMBER 363 FUELED, WITH DIESEL FUEL AS A BACK-UP FUEL, 16 CYLINDERS, TURBOCHARGED AND AFTERCOOLED, 2847 BHP.

**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 OPERATOR OF THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF SCAQMD RULES 431.2 AND 1470.  
[RULE 1470; RULE 431.2, RULE 3004 (a)(1)]
4. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH, ON A MONTHLY BASIS, SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR THE OPERATION)

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

[RULE 3004 (a)(4), RULE 1304 (a)(4)]

5. THIS ENGINE SHALL NOT BE USED AS PART OF AN INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO DO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1303(a)(1)-BACT]



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

### Periodic Monitoring:

6. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 3004 (a)(4), RULE 1304 (a)(4)]
7. THE OPERATION OF THE ENGINE 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 ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1303(a)(1)-BACT]
8. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.  
[RULE 3004 (a)(4)]

### Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE  
KAISER FOUNDATION HOSPITAL**

**PERMIT TO OPERATE**

**Permit No. F85364  
A/N 440651**

**Equipment Description:**

BOILER, AJAX, WATERTUBE TYPE, MODEL NO. WG-3250AB, SERIAL NO. 82-35041, WITH ONE LOW NOX BURNER, ALZETA, MODEL NO. SB505/6-1-0GC-1, NATURAL GAS FIRED, RATED AT 3,276,000 BTU PER HOUR.

**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 FIRED WITH NATURAL GAS ONLY.  
[RULE 1303 (b)(2) - OFFSET]
4. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT SOURCE TESTS ON THE EQUIPMENT UNDER THE FOLLOWING CONDITIONS:
  - A. SOURCE TESTING SHALL BE CONDUCTED WITHIN 60 DAYS AFTER RECEIPT OF THIS PERMIT, UNLESS OTHERWISE APPROVED IN WRITING BY THE EXECUTIVE OFFICER.
  - B. THE SOURCE TESTS SHALL BE PERFORMED TO VERIFY COMPLIANCE WITH NOX AND CO EMISSION LIMITS (SEE "EMISSIONS AND REQUIREMENTS" FOR LIMITS).
  - C. THE SOURCE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH SCAQMD METHOD 100.1.
  - D. THE TESTS SHALL BE CONDUCTED WHILE THE BOILER IS OPERATING AT MAXIMUM, MINIMUM AND NORMAL FIRING RATES. THE SAMPLING TIMES SHALL BE AT LEAST FOUR CONSECUTIVE 15-MINUTE PERIODS (TOTAL OF ONE HOUR) EACH FOR MAXIMUM, MINIMUM AND NORMAL OPERATING LOADS.
  - E. WRITTEN NOTICE OF THE SOURCE TESTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765) AT LEAST 14 DAYS PRIOR TO TESTING SO THAT AN OBSERVER MAY BE PRESENT.



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

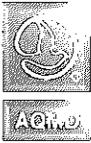
- F. TWO COMPLETE COPIES OF SOURCE TEST REPORTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765), REFERENCING APPLICATION NUMBER 440651, WITHIN 45 DAYS AFTER THE TEST. THE REPORT SHALL INCLUDE, BUT NOT LIMITED TO EMISSIONS RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE BOILER, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATING DATA SHALL ALSO BE INCLUDED FOR EACH FIRING RATE:
1. THE EXHAUST FLOW RATES, IN ACTUAL CUBIC FEET PER MINUTE (ACFM).
  2. THE FIRING RATES IN BTU PER HOUR.
  3. THE EXHAUST TEMPERATURE, IN DEGREES F.
  4. THE OXYGEN CONTENT OF THE EXHAUST GASES, IN PERCENT.
  5. THE FUEL FLOW RATE.
- G. A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANT TO BE MEASURED, AND IN COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TEST.
- H. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217.

[RULE 3004 (a)(4), RULE 1303 (a)(1) - BACT]

5. THE COMBUSTION BURNER SHALL BE INSPECTED AND MAINTAINED PER MANUFACTURER SPECIFICATIONS. RECORDS SHALL BE MAINTAINED FOR THE INSPECTIONS AND MAINTENANCE OF THE BURNER.  
[RULE 3004 (a)(4), RULE 1146.1, RULE 1303 (a)(1) - BACT]
6. THIS BOILER SHALL BE OPERATED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF RULE 1146.1.  
[RULE 1146.1]
7. ON OR BEFORE JANUARY 1, 2012, THIS BOILER SHALL NOT EMIT MORE THAN 9 PPM OF OXIDES OF NITROGEN (NOX), THIS BOILER SHALL NOT EMIT MORE THAN 9 PPM OF OXIDES OF NITROGEN (NOX), CALCULATED AS NO<sub>2</sub>, MEASURED BY VOLUME ON A DRY BASIS AT 3% O<sub>2</sub>.  
[RULE 1146.1]

### Periodic Monitoring:

8. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT FOR A MINIMUM OF FIVE YEARS AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 3004 (a)(4)]



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**FACILITY PERMIT TO OPERATE  
KAISER FOUNDATION HOSPITAL**

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**Emissions And Requirements:**

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

NOx: 30 PPMV, RULE 1146.1  
NOx: 9 PPMV, RULE 1146.1 (EFFECTIVE JANUARY 1, 2012)  
CO: 400 PPMV, RULE 1146.1  
CO: 2000 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

### PERMIT TO OPERATE

Permit No. D86800  
A/N 294355

#### Equipment Description:

BOILER, AJAX, MODEL NO. WG-2750, SERIAL NUMBER 1273540, WITH LOW-NOX BURNER, VKES MODEL NO. BIT-2400X, NATURAL GAS FIRED ONLY, 2.4 MMBTU/HR

#### 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 FIRED WITH NATURAL GAS ONLY.  
[RULE 1303 (b)(2) - OFFSET]
4. THIS BOILER SHALL BE OPERATED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF RULE 1146.1.  
[RULE 1146.1]
5. ON OR BEFORE JANUARY 1, 2012, THIS BOILER SHALL NOT EMIT MORE THAN 9 PPM OF OXIDES OF NITROGEN (NOX), THIS BOILER SHALL NOT EMIT MORE THAN 9 PPM OF OXIDES OF NITROGEN (NOX), CALCULATED AS NO<sub>2</sub>, MEASURED BY VOLUME ON A DRY BASIS AT 3% O<sub>2</sub>.  
[RULE 1146.1]

#### Periodic Monitoring:

6. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT FOR A MINIMUM OF FIVE YEARS AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 3004 (a)(4)]



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

### Emissions And Requirements:

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

NOx: 30 PPMV, RULE 1146.1  
NOx: 9 PPMV, RULE 1146.1 (EFFECTIVE JANUARY 1, 2012)  
CO: 400 PPMV, RULE 1146.1  
CO: 2000 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

### PERMIT TO OPERATE

Permit No. D87887  
A/N 294357

#### Equipment Description:

BOILER, RITE 250, SERIAL NUMBER 7817026, WITH LOW-NOX BURNER, VKES MODEL NO. BIT-2200X, NATURAL GAS FIRED ONLY, 2.2 MMBTU/HR

#### 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 FIRED WITH NATURAL GAS ONLY.  
[RULE 1303 (b)(2) - OFFSET]
4. THIS BOILER SHALL BE OPERATED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF RULE 1146.1.  
[RULE 1146.1]
5. ON OR BEFORE JANUARY 1, 2012, THIS BOILER SHALL NOT EMIT MORE THAN 9 PPM OF OXIDES OF NITROGEN (NOX), THIS BOILER SHALL NOT EMIT MORE THAN 9 PPM OF OXIDES OF NITROGEN (NOX), CALCULATED AS NO<sub>2</sub>, MEASURED BY VOLUME ON A DRY BASIS AT 3% O<sub>2</sub>.  
[RULE 1146.1]

#### Periodic Monitoring:

6. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT FOR A MINIMUM OF FIVE YEARS AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 3004 (a)(4)]



**FACILITY PERMIT TO OPERATE  
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**Emissions And Requirements:**

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

NOx: 30 PPMV, RULE 1146.1  
NOx: 9 PPMV, RULE 1146.1 (EFFECTIVE JANUARY 1, 2012)  
CO: 400 PPMV, RULE 1146.1  
CO: 2000 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

### PERMIT TO OPERATE

Permit No. G27902  
A/N 543834

#### Equipment Description:

BOILER, NO. 3, UNILUX, WATERTUBE TYPE, MODEL NO. ZF1200W, SERIAL NO. 3092, WITH A LOW NOX BURNER, POWER FLAME, MODEL NO. NVACR7-GO-30, NATURAL GAS FIRED WITH FUEL OIL STAND-BY, RATED AT 12,000,000 BTU PER HOUR, AND 15 HP 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 FIRED ON NATURAL GAS. FUEL OIL USE IS RESTRICTED TO PERIODS OF NATURAL GAS CURTAILMENT, NATURAL GAS SUPPLY EMERGENCIES, OR PERIODIC TESTING. PERIODIC TESTING OF FUEL OIL SHALL NOT EXCEED A COMBINED TOTAL OF 48 HOURS DURING ANY ONE CALENDAR YEAR.  
  
[RULE 1146, RULE 1303 (b)(2) – OFFSET, 40 CFR 63.11237]
4. THE FUEL OIL SUPPLIED TO THE BURNER SHALL BE NO. 2 OR LIGHTER GRADE AS DESCRIBED BY THE LATEST ASTM SPECIFICATIONS WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.  
  
[RULE 431.2, 40 CFR 60.42c(D)]
5. MATERIAL SAFETY DATA SHEET (MSDS) FOR THE FUEL OIL USED IN THIS BOILER SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE MSDS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE NAME OF THE OIL SUPPLIER AND THE MAXIMUM SULFUR CONTENT OF THE OIL.  
  
[RULE 431.2, 40 CFR 60.48c(f), 40 CFR 60.42c(h)(1)]
6. WHEN FIRING ON NATURAL GAS, THIS BOILER SHALL NOT EMIT MORE THAN 9 PPM OF OXIDES OF NITROGEN (NOX), CALCULATED AS NO<sub>2</sub>, MEASURED BY VOLUME ON A DRY BASIS AT 3% O<sub>2</sub>.  
  
WHEN FIRING ON FUEL OIL, THIS BOILER SHALL NOT EMIT MORE THAN 40 PPM OF OXIDES OF NITROGEN (NOX), CALCULATED AS NO<sub>2</sub>, MEASURED BY VOLUME ON A DRY BASIS AT 3% O<sub>2</sub>.  
  
[RULE 1146, RULE 1303(b)(2)-OFFSET]



**FACILITY PERMIT TO OPERATE  
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7. WHEN FIRING ON NATURAL GAS, THIS BOILER SHALL NOT EMIT MORE THAN 50 PPM OF CARBON MONOXIDE (CO), MEASURED BY VOLUME ON A DRY BASIS AT 3% O<sub>2</sub>.

WHEN FIRING ON FUEL OIL, THIS BOILER SHALL NOT EMIT MORE THAN 100 PPM OF CARBON MONOXIDE (CO), MEASURED BY VOLUME ON A DRY BASIS AT 3% O<sub>2</sub>.

[RULE 1303(a)-BACT/LAER, RULE 1303(b)(2)-OFFSET]

8. THIS BOILER SHALL BE EQUIPPED WITH A NON-RESETTABLE, TOTALIZING FLOW METER FOR EACH FUEL FIRED.  
[40 CFR 60.48c(g)(2)]

9. THE OPERATION SHALL LIMIT THE NATURAL GAS USAGE IN THIS BOILER TO NO MORE THAN 8,502,857 CUBIC FEET IN ANY CALENDAR MONTH.  
[RULE 1313(g)(1)]

10. THE OPERATOR SHALL KEEP A CALENDAR MONTHLY LOG OF USAGE THAT SHALL LIST AND DOCUMENT THE NATURE OF USE IN EACH OF THE FOLLOWING AREAS:

A. DATE AND TIME OF OPERATION ON FUEL OIL;

B. HOURS OF OPERATION ON FUEL OIL;

C. REASON FOR OPERATION ON FUEL OIL;

D. AMOUNT OF FUEL OIL USED; AND

E. AMOUNT OF NATURAL GAS USED.  
[RULE 1146, 40 CFR 60.48c(g)(2), 40 CFR 63.11237]

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

A. THE TOTAL HOURS OF OPERATION ON FUEL OIL FOR THE PREVIOUS CALENDAR YEAR,

B. THE TOTAL FUEL OIL USAGE FOR THE PREVIOUS CALENDAR YEAR, AND

C. THE TOTAL NATURAL GAS USAGE FOR THE PREVIOUS CALENDAR YEAR.

[RULE 1146, 40 CFR 63.11237]

12. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT SOURCE TESTS ON THE EQUIPMENT UNDER THE FOLLOWING CONDITIONS:

A. SOURCE TESTING SHALL BE CONDUCTED WITHIN 180 DAYS AFTER INITIAL START-UP (APRIL 8, 2013) OR WITHIN 90 DAYS AFTER ISSUANCE OF PERMIT TO OPERATE, WHICHEVER IS LATER, UNLESS OTHERWISE APPROVED IN WRITING BY THE EXECUTIVE OFFICER.



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

- B. THE SOURCE TESTS SHALL BE PERFORMED TO VERIFY COMPLIANCE WITH NOX AND CO EMISSION LIMITS SPECIFIED BY CONDITION NOS. 6 AND 7 ABOVE FOR NATURAL GAS AND FUEL OIL.
- C. THE SOURCE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH SCAQMD METHOD 100.1.
- D. THE TESTS SHALL BE CONDUCTED WHILE THE BOILER IS OPERATING AT MAXIMUM, MINIMUM AND NORMAL FIRING RATES. THE SAMPLING TIMES SHALL BE AT LEAST 15 CONSECUTIVE MINUTES FOR MAXIMUM AND MINIMUM LOADS AND AT LEAST ONE HOUR FOR NORMAL OPERATING LOAD.
- E. TWO COMPLETE COPIES OF SOURCE TEST REPORTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765), REFERENCING APPLICATION NOS. 543834, 543835, 543836, 543837, 543838, WITHIN 60 DAYS AFTER THE TESTS ARE COMPLETED. THE REPORT SHALL INCLUDE, BUT NOT LIMITED TO EMISSIONS RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE BOILER, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATING DATA SHALL ALSO BE INCLUDED FOR EACH FIRING RATE:
1. THE EXHAUST FLOW RATES, IN ACTUAL CUBIC FEET PER MINUTE (ACFM).
  2. THE FIRING RATES IN BTU PER HOUR.
  3. THE EXHAUST TEMPERATURE, IN DEGREES F.
  4. THE OXYGEN CONTENT OF THE EXHAUST GASES, IN PERCENT, AND
  5. THE FUEL FLOW RATE.
- F. A CONTRACTOR APPROVED UNDER THE DISTRICT LABORATORY APPROVAL PROGRAM IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANTS TO BE MEASURED, AND IN COMPLIANCE WITH RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TESTS.
- G. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217.
- [RULE 1146, RULE 1303 (a)(1) – BACT, RULE 1303(b)(2)-OFFSET]
13. THIS BOILER SHALL BE OPERATED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF RULE 1146, INCLUDING THE COMPLIANCE DETERMINATION REQUIREMENTS FOR SOURCE TESTING AND PERIODIC MONITORING.  
[RULE 1146]
14. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED AT THE FACILITY FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE OPERATOR SHALL MAINTAIN ADEQUATE RECORDS TO VERIFY COMPLIANCE WITH ALL CONDITIONS SPECIFIED IN THIS PERMIT.  
[RULE 1146, RULE 2005]



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

### Periodic Monitoring:

15. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS 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 ELIMINATE(S) 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 ACTION(S) TAKEN TO ABATE VISIBLE EMISSIONS;
- C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
- D. VISIBLE EMISSION OBSERVATION RECORD BY A CERTIFIED SMOKE READER.

[RULE 3004 (a)(4)]

16. IF ANNUAL DIESEL FUEL OIL USAGE EXCEEDS 2,000,000 GALLONS IN ANY ONE YEAR, THEN 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:



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

A. DATE WHEN ANNUAL MAINTENANCE INSPECTION WAS CONDUCTED.

[RULE 3004 (a)(4)]

17. FOR UNITS WITH A HEAT INPUT GREATER THAN 10 MMBTU/HR AND ANNUAL DIESEL FUEL OIL USAGE GREATER THAN 1,000,000 GALLONS, OR GREATER THAN 336 HOURS OF OPERATION BUT NOT EXCEEDING 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:

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

NOx: 9 PPMV, RULE 1146 [FOR NATURAL GAS]  
NOx: 40 PPMV, RULE 1146 [FOR FUEL OIL]  
CO: 50 PPMV, RULE 1303 (a)(1) – BACT/LAER [FOR NATURAL GAS]  
CO: 100 PPMV, RULE 1303(a)(1)-BACT [FOR FUEL OIL]  
CO: 400 PPMV, RULE 1146 [FOR NATURAL GAS AND FUEL OIL]  
CO: 2000 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409



**FACILITY PERMIT TO OPERATE  
KAISER FOUNDATION HOSPITAL**

**PERMIT TO OPERATE**

**Permit No. G27903  
A/N 543835**

**Equipment Description:**

BOILER, NO. 2, UNILUX, WATERTUBE TYPE, MODEL NO. ZF1200W, SERIAL NO. 3086, WITH A LOW NOX BURNER, POWER FLAME, MODEL NO. NVACR7-GO-30, NATURAL GAS FIRED WITH FUEL OIL STAND-BY, RATED AT 12,000,000 BTU PER HOUR, AND 15 HP 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 FIRED ON NATURAL GAS. FUEL OIL USE IS RESTRICTED TO PERIODS OF NATURAL GAS CURTAILMENT, NATURAL GAS SUPPLY EMERGENCIES, OR PERIODIC TESTING. PERIODIC TESTING OF FUEL OIL SHALL NOT EXCEED A COMBINED TOTAL OF 48 HOURS DURING ANY ONE CALENDAR YEAR.  
  
[RULE 1146, RULE 1303 (b)(2) – OFFSET, 40 CFR 63.11237]
4. THE FUEL OIL SUPPLIED TO THE BURNER SHALL BE NO. 2 OR LIGHTER GRADE AS DESCRIBED BY THE LATEST ASTM SPECIFICATIONS WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.  
  
[RULE 431.2, 40 CFR 60.42c(D)]
5. MATERIAL SAFETY DATA SHEET (MSDS) FOR THE FUEL OIL USED IN THIS BOILER SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE MSDS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE NAME OF THE OIL SUPPLIER AND THE MAXIMUM SULFUR CONTENT OF THE OIL.  
  
[RULE 431.2, 40 CFR 60.48c(f), 40 CFR 60.42c(h)(1)]
6. WHEN FIRING ON NATURAL GAS, THIS BOILER SHALL NOT EMIT MORE THAN 9 PPM OF OXIDES OF NITROGEN (NOX), CALCULATED AS NO<sub>2</sub>, MEASURED BY VOLUME ON A DRY BASIS AT 3% O<sub>2</sub>.  
  
WHEN FIRING ON FUEL OIL, THIS BOILER SHALL NOT EMIT MORE THAN 40 PPM OF OXIDES OF NITROGEN (NOX), CALCULATED AS NO<sub>2</sub>, MEASURED BY VOLUME ON A DRY BASIS AT 3% O<sub>2</sub>.  
  
[RULE 1146, RULE 1303(b)(2)-OFFSET]



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

7. WHEN FIRING ON NATURAL GAS, THIS BOILER SHALL NOT EMIT MORE THAN 50 PPM OF CARBON MONOXIDE (CO), MEASURED BY VOLUME ON A DRY BASIS AT 3% O<sub>2</sub>.
- WHEN FIRING ON FUEL OIL, THIS BOILER SHALL NOT EMIT MORE THAN 100 PPM OF CARBON MONOXIDE (CO), MEASURED BY VOLUME ON A DRY BASIS AT 3% O<sub>2</sub>.
- [RULE 1303(a)-BACT/LAER, RULE 1303(b)(2)-OFFSET]
8. THIS BOILER SHALL BE EQUIPPED WITH A NON-RESETTABLE, TOTALIZING FLOW METER FOR EACH FUEL FIRED.  
[40 CFR 60.48c(g)(2)]
9. THE OPERATION SHALL LIMIT THE NATURAL GAS USAGE IN THIS BOILER TO NO MORE THAN 8,502,857 CUBIC FEET IN ANY CALENDAR MONTH.  
[RULE 1313(g)(1)]
10. THE OPERATOR SHALL KEEP A CALENDAR MONTHLY LOG OF USAGE THAT SHALL LIST AND DOCUMENT THE NATURE OF USE IN EACH OF THE FOLLOWING AREAS:
- A. DATE AND TIME OF OPERATION ON FUEL OIL;
  - B. HOURS OF OPERATION ON FUEL OIL;
  - C. REASON FOR OPERATION ON FUEL OIL;
  - D. AMOUNT OF FUEL OIL USED; AND
  - E. AMOUNT OF NATURAL GAS USED.  
[RULE 1146, 40 CFR 60.48c(g)(2), 40 CFR 63.11237]
11. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE BOILER OPERATING LOG THE FOLLOWING:
- A. THE TOTAL HOURS OF OPERATION ON FUEL OIL FOR THE PREVIOUS CALENDAR YEAR,
  - B. THE TOTAL FUEL OIL USAGE FOR THE PREVIOUS CALENDAR YEAR, AND
  - C. THE TOTAL NATURAL GAS USAGE FOR THE PREVIOUS CALENDAR YEAR.
- [RULE 1146, 40 CFR 63.11237]
12. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT SOURCE TESTS ON THE EQUIPMENT UNDER THE FOLLOWING CONDITIONS:
- A. SOURCE TESTING SHALL BE CONDUCTED WITHIN 180 DAYS AFTER INITIAL START-UP (APRIL 8, 2013) OR WITHIN 90 DAYS AFTER ISSUANCE OF PERMIT TO OPERATE, WHICHEVER IS LATER, UNLESS OTHERWISE APPROVED IN WRITING BY THE EXECUTIVE OFFICER.



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- B. THE SOURCE TESTS SHALL BE PERFORMED TO VERIFY COMPLIANCE WITH NOX AND CO EMISSION LIMITS SPECIFIED BY CONDITION NOS. 6 AND 7 ABOVE FOR NATURAL GAS AND FUEL OIL.
- C. THE SOURCE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH SCAQMD METHOD 100.1.
- D. THE TESTS SHALL BE CONDUCTED WHILE THE BOILER IS OPERATING AT MAXIMUM, MINIMUM AND NORMAL FIRING RATES. THE SAMPLING TIMES SHALL BE AT LEAST 15 CONSECUTIVE MINUTES FOR MAXIMUM AND MINIMUM LOADS AND AT LEAST ONE HOUR FOR NORMAL OPERATING LOAD.
- E. TWO COMPLETE COPIES OF SOURCE TEST REPORTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765), REFERENCING APPLICATION NOS. 543834, 543835, 543836, 543837, 543838, WITHIN 60 DAYS AFTER THE TESTS ARE COMPLETED. THE REPORT SHALL INCLUDE, BUT NOT LIMITED TO EMISSIONS RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE BOILER, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATING DATA SHALL ALSO BE INCLUDED FOR EACH FIRING RATE:
1. THE EXHAUST FLOW RATES, IN ACTUAL CUBIC FEET PER MINUTE (ACFM).
  2. THE FIRING RATES IN BTU PER HOUR.
  3. THE EXHAUST TEMPERATURE, IN DEGREES F.
  4. THE OXYGEN CONTENT OF THE EXHAUST GASES, IN PERCENT, AND
  5. THE FUEL FLOW RATE.
- F. A CONTRACTOR APPROVED UNDER THE DISTRICT LABORATORY APPROVAL PROGRAM IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANTS TO BE MEASURED, AND IN COMPLIANCE WITH RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TESTS.
- G. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217.
- [RULE 1146, RULE 1303 (a)(1) – BACT, RULE 1303(b)(2)-OFFSET]
13. THIS BOILER SHALL BE OPERATED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF RULE 1146, INCLUDING THE COMPLIANCE DETERMINATION REQUIREMENTS FOR SOURCE TESTING AND PERIODIC MONITORING.  
[RULE 1146]
14. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED AT THE FACILITY FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE OPERATOR SHALL MAINTAIN ADEQUATE RECORDS TO VERIFY COMPLIANCE WITH ALL CONDITIONS SPECIFIED IN THIS PERMIT.  
[RULE 1146, RULE 2005]



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

### Periodic Monitoring:

15. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS 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 ELIMINATE(S) 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 ACTION(S) TAKEN TO ABATE VISIBLE EMISSIONS;
- C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
- D. VISIBLE EMISSION OBSERVATION RECORD BY A CERTIFIED SMOKE READER.

[RULE 3004 (a)(4)]

16. IF ANNUAL DIESEL FUEL OIL USAGE EXCEEDS 2,000,000 GALLONS IN ANY ONE YEAR, THEN 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:



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A. DATE WHEN ANNUAL MAINTENANCE INSPECTION WAS CONDUCTED.

[RULE 3004 (a)(4)]

17. FOR UNITS WITH A HEAT INPUT GREATER THAN 10 MMBTU/HR AND ANNUAL DIESEL FUEL OIL USAGE GREATER THAN 1,000,000 GALLONS, OR GREATER THAN 336 HOURS OF OPERATION BUT NOT EXCEEDING 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:**

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

NOx: 9 PPMV, RULE 1146 [FOR NATURAL GAS]  
NOx: 40 PPMV, RULE 1146 [FOR FUEL OIL]  
CO: 50 PPMV, RULE 1303 (a)(1) – BACT/LAER [FOR NATURAL GAS]  
CO: 100 PPMV, RULE 1303(a)(1)-BACT [FOR FUEL OIL]  
CO: 400 PPMV, RULE 1146 [FOR NATURAL GAS AND FUEL OIL]  
CO: 2000 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

### PERMIT TO OPERATE

Permit No. G27904  
A/N 543836

#### Equipment Description:

BOILER, NO. 1, UNILUX, WATERTUBE TYPE, MODEL NO. ZF1200W, SERIAL NO. 3085, WITH A LOW NOX BURNER, POWER FLAME, MODEL NO. NVACR7-GO-30, NATURAL GAS FIRED WITH FUEL OIL STAND-BY, RATED AT 12,000,000 BTU PER HOUR, AND 15 HP 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 FIRED ON NATURAL GAS. FUEL OIL USE IS RESTRICTED TO PERIODS OF NATURAL GAS CURTAILMENT, NATURAL GAS SUPPLY EMERGENCIES, OR PERIODIC TESTING. PERIODIC TESTING OF FUEL OIL SHALL NOT EXCEED A COMBINED TOTAL OF 48 HOURS DURING ANY ONE CALENDAR YEAR.  
  
[RULE 1146, RULE 1303 (b)(2) – OFFSET, 40 CFR 63.11237]
4. THE FUEL OIL SUPPLIED TO THE BURNER SHALL BE NO. 2 OR LIGHTER GRADE AS DESCRIBED BY THE LATEST ASTM SPECIFICATIONS WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.  
  
[RULE 431.2, 40 CFR 60.42c(D)]
5. MATERIAL SAFETY DATA SHEET (MSDS) FOR THE FUEL OIL USED IN THIS BOILER SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE MSDS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE NAME OF THE OIL SUPPLIER AND THE MAXIMUM SULFUR CONTENT OF THE OIL.  
  
[RULE 431.2, 40 CFR 60.48c(f), 40 CFR 60.42c(h)(1)]
6. WHEN FIRING ON NATURAL GAS, THIS BOILER SHALL NOT EMIT MORE THAN 9 PPM OF OXIDES OF NITROGEN (NOX), CALCULATED AS NO<sub>2</sub>, MEASURED BY VOLUME ON A DRY BASIS AT 3% O<sub>2</sub>.  
  
WHEN FIRING ON FUEL OIL, THIS BOILER SHALL NOT EMIT MORE THAN 40 PPM OF OXIDES OF NITROGEN (NOX), CALCULATED AS NO<sub>2</sub>, MEASURED BY VOLUME ON A DRY BASIS AT 3% O<sub>2</sub>.  
  
[RULE 1146, RULE 1303(b)(2)-OFFSET]



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7. WHEN FIRING ON NATURAL GAS, THIS BOILER SHALL NOT EMIT MORE THAN 50 PPM OF CARBON MONOXIDE (CO), MEASURED BY VOLUME ON A DRY BASIS AT 3% O<sub>2</sub>.

WHEN FIRING ON FUEL OIL, THIS BOILER SHALL NOT EMIT MORE THAN 100 PPM OF CARBON MONOXIDE (CO), MEASURED BY VOLUME ON A DRY BASIS AT 3% O<sub>2</sub>.

[RULE 1303(a)-BACT/LAER, RULE 1303(b)(2)-OFFSET]

8. THIS BOILER SHALL BE EQUIPPED WITH A NON-RESETTING, TOTALIZING FLOW METER FOR EACH FUEL FIRED.  
[40 CFR 60.48c(g)(2)]

9. THE OPERATION SHALL LIMIT THE NATURAL GAS USAGE IN THIS BOILER TO NO MORE THAN 8,502,857 CUBIC FEET IN ANY CALENDAR MONTH.  
[RULE 1313(g)(1)]

10. THE OPERATOR SHALL KEEP A CALENDAR MONTHLY LOG OF USAGE THAT SHALL LIST AND DOCUMENT THE NATURE OF USE IN EACH OF THE FOLLOWING AREAS:

- A. DATE AND TIME OF OPERATION ON FUEL OIL;
- B. HOURS OF OPERATION ON FUEL OIL;
- C. REASON FOR OPERATION ON FUEL OIL;
- D. AMOUNT OF FUEL OIL USED; AND
- E. AMOUNT OF NATURAL GAS USED.  
[RULE 1146, 40 CFR 60.48c(g)(2), 40 CFR 63.11237]

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

- A. THE TOTAL HOURS OF OPERATION ON FUEL OIL FOR THE PREVIOUS CALENDAR YEAR,
- B. THE TOTAL FUEL OIL USAGE FOR THE PREVIOUS CALENDAR YEAR, AND
- C. THE TOTAL NATURAL GAS USAGE FOR THE PREVIOUS CALENDAR YEAR.

[RULE 1146, 40 CFR 63.11237]

12. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT SOURCE TESTS ON THE EQUIPMENT UNDER THE FOLLOWING CONDITIONS:

- A. SOURCE TESTING SHALL BE CONDUCTED WITHIN 180 DAYS AFTER INITIAL START-UP (APRIL 8, 2013) OR WITHIN 90 DAYS AFTER ISSUANCE OF PERMIT TO OPERATE, WHICHEVER IS LATER, UNLESS OTHERWISE APPROVED IN WRITING BY THE EXECUTIVE OFFICER.



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- B. THE SOURCE TESTS SHALL BE PERFORMED TO VERIFY COMPLIANCE WITH NOX AND CO EMISSION LIMITS SPECIFIED BY CONDITION NOS. 6 AND 7 ABOVE FOR NATURAL GAS AND FUEL OIL.
- C. THE SOURCE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH SCAQMD METHOD 100.1.
- D. THE TESTS SHALL BE CONDUCTED WHILE THE BOILER IS OPERATING AT MAXIMUM, MINIMUM AND NORMAL FIRING RATES. THE SAMPLING TIMES SHALL BE AT LEAST 15 CONSECUTIVE MINUTES FOR MAXIMUM AND MINIMUM LOADS AND AT LEAST ONE HOUR FOR NORMAL OPERATING LOAD.
- E. TWO COMPLETE COPIES OF SOURCE TEST REPORTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765), REFERENCING APPLICATION NOS. 543834, 543835, 543836, 543837, 543838, WITHIN 60 DAYS AFTER THE TESTS ARE COMPLETED. THE REPORT SHALL INCLUDE, BUT NOT LIMITED TO EMISSIONS RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE BOILER, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATING DATA SHALL ALSO BE INCLUDED FOR EACH FIRING RATE:
1. THE EXHAUST FLOW RATES, IN ACTUAL CUBIC FEET PER MINUTE (ACFM).
  2. THE FIRING RATES IN BTU PER HOUR.
  3. THE EXHAUST TEMPERATURE, IN DEGREES F.
  4. THE OXYGEN CONTENT OF THE EXHAUST GASES, IN PERCENT, AND
  5. THE FUEL FLOW RATE.
- F. A CONTRACTOR APPROVED UNDER THE DISTRICT LABORATORY APPROVAL PROGRAM IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANTS TO BE MEASURED, AND IN COMPLIANCE WITH RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TESTS.
- G. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217.
- [RULE 1146, RULE 1303 (a)(1) – BACT, RULE 1303(b)(2)-OFFSET]
13. THIS BOILER SHALL BE OPERATED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF RULE 1146, INCLUDING THE COMPLIANCE DETERMINATION REQUIREMENTS FOR SOURCE TESTING AND PERIODIC MONITORING.  
[RULE 1146]
14. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED AT THE FACILITY FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE OPERATOR SHALL MAINTAIN ADEQUATE RECORDS TO VERIFY COMPLIANCE WITH ALL CONDITIONS SPECIFIED IN THIS PERMIT.  
[RULE 1146, RULE 2005]



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### Periodic Monitoring:

15. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS 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 ELIMINATE(S) 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 ACTION(S) TAKEN TO ABATE VISIBLE EMISSIONS;
- C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
- D. VISIBLE EMISSION OBSERVATION RECORD BY A CERTIFIED SMOKE READER.

[RULE 3004 (a)(4)]

16. IF ANNUAL DIESEL FUEL OIL USAGE EXCEEDS 2,000,000 GALLONS IN ANY ONE YEAR, THEN 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:



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

A. DATE WHEN ANNUAL MAINTENANCE INSPECTION WAS CONDUCTED.

[RULE 3004 (a)(4)]

17. FOR UNITS WITH A HEAT INPUT GREATER THAN 10 MMBTU/HR AND ANNUAL DIESEL FUEL OIL USAGE GREATER THAN 1,000,000 GALLONS, OR GREATER THAN 336 HOURS OF OPERATION BUT NOT EXCEEDING 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:

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

NOx: 9 PPMV, RULE 1146 [FOR NATURAL GAS]  
NOx: 40 PPMV, RULE 1146 [FOR FUEL OIL]  
CO: 50 PPMV, RULE 1303 (a)(1) – BACT/LAER [FOR NATURAL GAS]  
CO: 100 PPMV, RULE 1303(a)(1)-BACT [FOR FUEL OIL]  
CO: 400 PPMV, RULE 1146 [FOR NATURAL GAS AND FUEL OIL]  
CO: 2000 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409



**FACILITY PERMIT TO OPERATE  
KAISER FOUNDATION HOSPITAL**

**PERMIT TO OPERATE**

**Permit No. G27905  
A/N 543837**

**Equipment Description:**

BOILER, NO. 5, UNILUX, WATERTUBE TYPE, MODEL NO. ZF1200W, SERIAL NO. 3094, WITH A LOW NOX BURNER, POWER FLAME, MODEL NO. NVACR7-GO-30, NATURAL GAS FIRED WITH FUEL OIL STAND-BY, RATED AT 12,000,000 BTU PER HOUR, AND 15 HP 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 FIRED ON NATURAL GAS. FUEL OIL USE IS RESTRICTED TO PERIODS OF NATURAL GAS CURTAILMENT, NATURAL GAS SUPPLY EMERGENCIES, OR PERIODIC TESTING. PERIODIC TESTING OF FUEL OIL SHALL NOT EXCEED A COMBINED TOTAL OF 48 HOURS DURING ANY ONE CALENDAR YEAR.  
[RULE 1146, RULE 1303 (b)(2) – OFFSET, 40 CFR 63.11237]
4. THE FUEL OIL SUPPLIED TO THE BURNER SHALL BE NO. 2 OR LIGHTER GRADE AS DESCRIBED BY THE LATEST ASTM SPECIFICATIONS WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.  
[RULE 431.2, 40 CFR 60.42c(D)]
5. MATERIAL SAFETY DATA SHEET (MSDS) FOR THE FUEL OIL USED IN THIS BOILER SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE MSDS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE NAME OF THE OIL SUPPLIER AND THE MAXIMUM SULFUR CONTENT OF THE OIL.  
[RULE 431.2, 40 CFR 60.48c(f), 40 CFR 60.42c(h)(1)]
6. WHEN FIRING ON NATURAL GAS, THIS BOILER SHALL NOT EMIT MORE THAN 9 PPM OF OXIDES OF NITROGEN (NOX), CALCULATED AS NO<sub>2</sub>, MEASURED BY VOLUME ON A DRY BASIS AT 3% O<sub>2</sub>.  
  
WHEN FIRING ON FUEL OIL, THIS BOILER SHALL NOT EMIT MORE THAN 40 PPM OF OXIDES OF NITROGEN (NOX), CALCULATED AS NO<sub>2</sub>, MEASURED BY VOLUME ON A DRY BASIS AT 3% O<sub>2</sub>.  
  
[RULE 1146, RULE 1303(b)(2)-OFFSET]



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

7. WHEN FIRING ON NATURAL GAS, THIS BOILER SHALL NOT EMIT MORE THAN 50 PPM OF CARBON MONOXIDE (CO), MEASURED BY VOLUME ON A DRY BASIS AT 3% O<sub>2</sub>.  
  
WHEN FIRING ON FUEL OIL, THIS BOILER SHALL NOT EMIT MORE THAN 100 PPM OF CARBON MONOXIDE (CO), MEASURED BY VOLUME ON A DRY BASIS AT 3% O<sub>2</sub>.  
  
[RULE 1303(a)-BACT/LAER, RULE 1303(b)(2)-OFFSET]
8. THIS BOILER SHALL BE EQUIPPED WITH A NON-RESETTABLE, TOTALIZING FLOW METER FOR EACH FUEL FIRED.  
[40 CFR 60.48c(g)(2)]
9. THE OPERATION SHALL LIMIT THE NATURAL GAS USAGE IN THIS BOILER TO NO MORE THAN 8,502,857 CUBIC FEET IN ANY CALENDAR MONTH.  
[RULE 1313(g)(1)]
10. THE OPERATOR SHALL KEEP A CALENDAR MONTHLY LOG OF USAGE THAT SHALL LIST AND DOCUMENT THE NATURE OF USE IN EACH OF THE FOLLOWING AREAS:
  - A. DATE AND TIME OF OPERATION ON FUEL OIL;
  - B. HOURS OF OPERATION ON FUEL OIL;
  - C. REASON FOR OPERATION ON FUEL OIL;
  - D. AMOUNT OF FUEL OIL USED; AND
  - E. AMOUNT OF NATURAL GAS USED.  
[RULE 1146, 40 CFR 60.48c(g)(2), 40 CFR 63.11237]
11. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE BOILER OPERATING LOG THE FOLLOWING:
  - A. THE TOTAL HOURS OF OPERATION ON FUEL OIL FOR THE PREVIOUS CALENDAR YEAR,
  - B. THE TOTAL FUEL OIL USAGE FOR THE PREVIOUS CALENDAR YEAR, AND
  - C. THE TOTAL NATURAL GAS USAGE FOR THE PREVIOUS CALENDAR YEAR.  
[RULE 1146, 40 CFR 63.11237]
12. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT SOURCE TESTS ON THE EQUIPMENT UNDER THE FOLLOWING CONDITIONS:
  - A. SOURCE TESTING SHALL BE CONDUCTED WITHIN 180 DAYS AFTER INITIAL START-UP (APRIL 8, 2013) OR WITHIN 90 DAYS AFTER ISSUANCE OF PERMIT TO OPERATE, WHICHEVER IS LATER, UNLESS OTHERWISE APPROVED IN WRITING BY THE EXECUTIVE OFFICER.



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- B. THE SOURCE TESTS SHALL BE PERFORMED TO VERIFY COMPLIANCE WITH NOX AND CO EMISSION LIMITS SPECIFIED BY CONDITION NOS. 6 AND 7 ABOVE FOR NATURAL GAS AND FUEL OIL.
- C. THE SOURCE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH SCAQMD METHOD 100.1.
- D. THE TESTS SHALL BE CONDUCTED WHILE THE BOILER IS OPERATING AT MAXIMUM, MINIMUM AND NORMAL FIRING RATES. THE SAMPLING TIMES SHALL BE AT LEAST 15 CONSECUTIVE MINUTES FOR MAXIMUM AND MINIMUM LOADS AND AT LEAST ONE HOUR FOR NORMAL OPERATING LOAD.
- E. TWO COMPLETE COPIES OF SOURCE TEST REPORTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765), REFERENCING APPLICATION NOS. 543834, 543835, 543836, 543837, 543838, WITHIN 60 DAYS AFTER THE TESTS ARE COMPLETED. THE REPORT SHALL INCLUDE, BUT NOT LIMITED TO EMISSIONS RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE BOILER, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATING DATA SHALL ALSO BE INCLUDED FOR EACH FIRING RATE:
1. THE EXHAUST FLOW RATES, IN ACTUAL CUBIC FEET PER MINUTE (ACFM).
  2. THE FIRING RATES IN BTU PER HOUR.
  3. THE EXHAUST TEMPERATURE, IN DEGREES F.
  4. THE OXYGEN CONTENT OF THE EXHAUST GASES, IN PERCENT, AND
  5. THE FUEL FLOW RATE.
- F. A CONTRACTOR APPROVED UNDER THE DISTRICT LABORATORY APPROVAL PROGRAM IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANTS TO BE MEASURED, AND IN COMPLIANCE WITH RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TESTS.
- G. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217.

[RULE 1146, RULE 1303 (a)(1) – BACT, RULE 1303(b)(2)-OFFSET]

13. THIS BOILER SHALL BE OPERATED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF RULE 1146, INCLUDING THE COMPLIANCE DETERMINATION REQUIREMENTS FOR SOURCE TESTING AND PERIODIC MONITORING.  
[RULE 1146]
14. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED AT THE FACILITY FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE OPERATOR SHALL MAINTAIN ADEQUATE RECORDS TO VERIFY COMPLIANCE WITH ALL CONDITIONS SPECIFIED IN THIS PERMIT.  
[RULE 1146, RULE 2005]



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### Periodic Monitoring:

15. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS 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 ELIMINATE(S) 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 ACTION(S) TAKEN TO ABATE VISIBLE EMISSIONS;
- C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
- D. VISIBLE EMISSION OBSERVATION RECORD BY A CERTIFIED SMOKE READER.

[RULE 3004 (a)(4)]

16. IF ANNUAL DIESEL FUEL OIL USAGE EXCEEDS 2,000,000 GALLONS IN ANY ONE YEAR, THEN 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:



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A. DATE WHEN ANNUAL MAINTENANCE INSPECTION WAS CONDUCTED.

[RULE 3004 (a)(4)]

17. FOR UNITS WITH A HEAT INPUT GREATER THAN 10 MMBTU/HR AND ANNUAL DIESEL FUEL OIL USAGE GREATER THAN 1,000,000 GALLONS, OR GREATER THAN 336 HOURS OF OPERATION BUT NOT EXCEEDING 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:**

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

NOx: 9 PPMV, RULE 1146 [FOR NATURAL GAS]  
NOx: 40 PPMV, RULE 1146 [FOR FUEL OIL]  
CO: 50 PPMV, RULE 1303 (a)(1) – BACT/LAER [FOR NATURAL GAS]  
CO: 100 PPMV, RULE 1303(a)(1)-BACT [FOR FUEL OIL]  
CO: 400 PPMV, RULE 1146 [FOR NATURAL GAS AND FUEL OIL]  
CO: 2000 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409



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### PERMIT TO OPERATE

Permit No. G27906  
A/N 543838

#### Equipment Description:

BOILER, NO. 4, UNILUX, WATERTUBE TYPE, MODEL NO. ZF1200W, SERIAL NO. 3093, WITH A LOW NOX BURNER, POWER FLAME, MODEL NO. NVACR7-GO-30, NATURAL GAS FIRED WITH FUEL OIL STAND-BY, RATED AT 12,000,000 BTU PER HOUR, AND 15 HP 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 FIRED ON NATURAL GAS. FUEL OIL USE IS RESTRICTED TO PERIODS OF NATURAL GAS CURTAILMENT, NATURAL GAS SUPPLY EMERGENCIES, OR PERIODIC TESTING. PERIODIC TESTING OF FUEL OIL SHALL NOT EXCEED A COMBINED TOTAL OF 48 HOURS DURING ANY ONE CALENDAR YEAR.  
  
[RULE 1146, RULE 1303 (b)(2) – OFFSET, 40 CFR 63.11237]
4. THE FUEL OIL SUPPLIED TO THE BURNER SHALL BE NO. 2 OR LIGHTER GRADE AS DESCRIBED BY THE LATEST ASTM SPECIFICATIONS WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.  
  
[RULE 431.2, 40 CFR 60.42c(D)]
5. MATERIAL SAFETY DATA SHEET (MSDS) FOR THE FUEL OIL USED IN THIS BOILER SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE MSDS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE NAME OF THE OIL SUPPLIER AND THE MAXIMUM SULFUR CONTENT OF THE OIL.  
  
[RULE 431.2, 40 CFR 60.48c(f), 40 CFR 60.42c(h)(1)]
6. WHEN FIRING ON NATURAL GAS, THIS BOILER SHALL NOT EMIT MORE THAN 9 PPM OF OXIDES OF NITROGEN (NOX), CALCULATED AS NO<sub>2</sub>, MEASURED BY VOLUME ON A DRY BASIS AT 3% O<sub>2</sub>.  
  
WHEN FIRING ON FUEL OIL, THIS BOILER SHALL NOT EMIT MORE THAN 40 PPM OF OXIDES OF NITROGEN (NOX), CALCULATED AS NO<sub>2</sub>, MEASURED BY VOLUME ON A DRY BASIS AT 3% O<sub>2</sub>.  
  
[RULE 1146, RULE 1303(b)(2)-OFFSET]



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7. WHEN FIRING ON NATURAL GAS, THIS BOILER SHALL NOT EMIT MORE THAN 50 PPM OF CARBON MONOXIDE (CO), MEASURED BY VOLUME ON A DRY BASIS AT 3% O<sub>2</sub>.  
  
WHEN FIRING ON FUEL OIL, THIS BOILER SHALL NOT EMIT MORE THAN 100 PPM OF CARBON MONOXIDE (CO), MEASURED BY VOLUME ON A DRY BASIS AT 3% O<sub>2</sub>.  
  
[RULE 1303(a)-BACT/LAER, RULE 1303(b)(2)-OFFSET]
8. THIS BOILER SHALL BE EQUIPPED WITH A NON-RESETTING, TOTALIZING FLOW METER FOR EACH FUEL FIRED.  
[40 CFR 60.48c(g)(2)]
9. THE OPERATION SHALL LIMIT THE NATURAL GAS USAGE IN THIS BOILER TO NO MORE THAN 8,502,857 CUBIC FEET IN ANY CALENDAR MONTH.  
[RULE 1313(g)(1)]
10. THE OPERATOR SHALL KEEP A CALENDAR MONTHLY LOG OF USAGE THAT SHALL LIST AND DOCUMENT THE NATURE OF USE IN EACH OF THE FOLLOWING AREAS:
  - A. DATE AND TIME OF OPERATION ON FUEL OIL;
  - B. HOURS OF OPERATION ON FUEL OIL;
  - C. REASON FOR OPERATION ON FUEL OIL;
  - D. AMOUNT OF FUEL OIL USED; AND
  - E. AMOUNT OF NATURAL GAS USED.  
[RULE 1146, 40 CFR 60.48c(g)(2), 40 CFR 63.11237]
11. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE BOILER OPERATING LOG THE FOLLOWING:
  - A. THE TOTAL HOURS OF OPERATION ON FUEL OIL FOR THE PREVIOUS CALENDAR YEAR,
  - B. THE TOTAL FUEL OIL USAGE FOR THE PREVIOUS CALENDAR YEAR, AND
  - C. THE TOTAL NATURAL GAS USAGE FOR THE PREVIOUS CALENDAR YEAR.  
[RULE 1146, 40 CFR 63.11237]
12. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT SOURCE TESTS ON THE EQUIPMENT UNDER THE FOLLOWING CONDITIONS:
  - A. SOURCE TESTING SHALL BE CONDUCTED WITHIN 180 DAYS AFTER INITIAL START-UP (APRIL 8, 2013) OR WITHIN 90 DAYS AFTER ISSUANCE OF PERMIT TO OPERATE, WHICHEVER IS LATER, UNLESS OTHERWISE APPROVED IN WRITING BY THE EXECUTIVE OFFICER.



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- B. THE SOURCE TESTS SHALL BE PERFORMED TO VERIFY COMPLIANCE WITH NOX AND CO EMISSION LIMITS SPECIFIED BY CONDITION NOS. 6 AND 7 ABOVE FOR NATURAL GAS AND FUEL OIL.
- C. THE SOURCE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH SCAQMD METHOD 100.1.
- D. THE TESTS SHALL BE CONDUCTED WHILE THE BOILER IS OPERATING AT MAXIMUM, MINIMUM AND NORMAL FIRING RATES. THE SAMPLING TIMES SHALL BE AT LEAST 15 CONSECUTIVE MINUTES FOR MAXIMUM AND MINIMUM LOADS AND AT LEAST ONE HOUR FOR NORMAL OPERATING LOAD.
- E. TWO COMPLETE COPIES OF SOURCE TEST REPORTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765), REFERENCING APPLICATION NOS. 543834, 543835, 543836, 543837, 543838, WITHIN 60 DAYS AFTER THE TESTS ARE COMPLETED. THE REPORT SHALL INCLUDE, BUT NOT LIMITED TO EMISSIONS RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE BOILER, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATING DATA SHALL ALSO BE INCLUDED FOR EACH FIRING RATE:
1. THE EXHAUST FLOW RATES, IN ACTUAL CUBIC FEET PER MINUTE (ACFM).
  2. THE FIRING RATES IN BTU PER HOUR.
  3. THE EXHAUST TEMPERATURE, IN DEGREES F.
  4. THE OXYGEN CONTENT OF THE EXHAUST GASES, IN PERCENT, AND
  5. THE FUEL FLOW RATE.
- F. A CONTRACTOR APPROVED UNDER THE DISTRICT LABORATORY APPROVAL PROGRAM IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANTS TO BE MEASURED, AND IN COMPLIANCE WITH RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TESTS.
- G. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217.
- [RULE 1146, RULE 1303 (a)(1) – BACT, RULE 1303(b)(2)-OFFSET]
13. THIS BOILER SHALL BE OPERATED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF RULE 1146, INCLUDING THE COMPLIANCE DETERMINATION REQUIREMENTS FOR SOURCE TESTING AND PERIODIC MONITORING.  
[RULE 1146]
14. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED AT THE FACILITY FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE OPERATOR SHALL MAINTAIN ADEQUATE RECORDS TO VERIFY COMPLIANCE WITH ALL CONDITIONS SPECIFIED IN THIS PERMIT.  
[RULE 1146, RULE 2005]



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### Periodic Monitoring:

15. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS 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 ELIMINATE(S) 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 ACTION(S) TAKEN TO ABATE VISIBLE EMISSIONS;
- C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
- D. VISIBLE EMISSION OBSERVATION RECORD BY A CERTIFIED SMOKE READER.

[RULE 3004 (a)(4)]

16. IF ANNUAL DIESEL FUEL OIL USAGE EXCEEDS 2,000,000 GALLONS IN ANY ONE YEAR, THEN 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:



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A. DATE WHEN ANNUAL MAINTENANCE INSPECTION WAS CONDUCTED.

[RULE 3004 (a)(4)]

17. FOR UNITS WITH A HEAT INPUT GREATER THAN 10 MMBTU/HR AND ANNUAL DIESEL FUEL OIL USAGE GREATER THAN 1,000,000 GALLONS, OR GREATER THAN 336 HOURS OF OPERATION BUT NOT EXCEEDING 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:

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

NOx: 9 PPMV, RULE 1146 [FOR NATURAL GAS]  
NOx: 40 PPMV, RULE 1146 [FOR FUEL OIL]  
CO: 50 PPMV, RULE 1303 (a)(1) – BACT/LAER [FOR NATURAL GAS]  
CO: 100 PPMV, RULE 1303(a)(1)-BACT [FOR FUEL OIL]  
CO: 400 PPMV, RULE 1146 [FOR NATURAL GAS AND FUEL OIL]  
CO: 2000 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

### RULE 219 EQUIPMENT

**Equipment Description:**

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

**Periodic Monitoring:**

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

FOR ARCHITECTURAL APPLICATIONS WHERE NO THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN SEMI-ANNUAL RECORDS OF ALL COATINGS CONSISTING OF (a) COATING TYPE, (b) VOC CONTENT AS SUPPLIED IN GRAMS PER LITER (g/l) OF MATERIALS FOR LOW-SOLIDS COATINGS, (c) VOC CONTENT AS SUPPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATING.

FOR OTHER ARCHITECTURAL APPLICATIONS WHERE THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN DAILY RECORDS FOR EACH COATING CONSISTING OF (a) COATING TYPE, (b) VOC CONTENT AS APPLIED IN GRAMS PER LITER (g/l) OF MATERIALS USED FOR LOW-SOLIDS COATINGS, (c) VOC CONTENT AS APPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATING.

[RULE 3004 (a) (4)]

**Emissions And Requirements:**

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

VOC: RULE 1113, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS



## FACILITY PERMIT TO OPERATE KAISER FOUNDATION HOSPITAL

### RULE 219 EQUIPMENT

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, BOILER, > 75,000 BTU/HR BUT  $\leq$  2,000,000 BTU/HR.

**Emissions And Requirements:**

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

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



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**RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS

**Emissions And Requirements:**

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

REFRIGERANT: RULE 1415  
REFRIGERANT: 40 CFR 82 SUBPART F



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### **RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, WIPE CLEANING (SOLVENTS).

**Emissions And Requirements:**

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

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS