



South Coast Air Quality Management District

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

October 23, 2013

Jose Mendoza
Chief Stationary Engineer
LA County Harbor UCLA Medical Center
1000 West Carson St
Torrance, CA 90509

SUBJECT: Title V Facility Permit Revision (Facility ID: 800312)

Dear Mr. Mendoza:

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 administrative permit revision for issuing Permits to Operate for the following equipment that was previously issued Permits to Construct:

| Equipment | Application Number | Permit Type |
|-----------|--------------------|-------------|
| Boiler 1 | 530237 | P/O |
| Boiler 2 | 530238 | P/O |
| Boiler 3 | 530239 | P/O |

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 Mr. Chris Perri at (909) 396-2696.

Sincerely,

Andrew Y. Lee, P.E.
Senior Engineering Manager
Engineering and Compliance

AYL:CT: JTY:CGP

Attachment

cc: Gerardo Rios, EPA Region IX



FACILITY PERMIT TO OPERATE

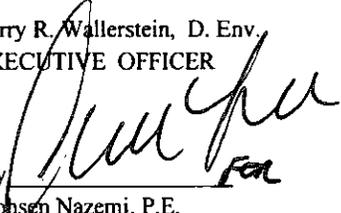
**LA CO HARBOR-UCLA MEDICAL CENTER
1000 W CARSON ST
TORRANCE, CA 90502**

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



FACILITY PERMIT TO OPERATE LA CO HARBOR-UCLA MEDICAL CENTER

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**FACILITY PERMIT TO OPERATE
L.A. COUNTY HARBOR UCLA MEDICAL CENTER**

**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.



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PERMITTED EQUIPMENT LIST

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

| Application number | Permit to Operate number | Equipment description |
|--------------------|--------------------------|---|
| 530237 | G27907 | BOILER 1 (5-20 MMBTU/HR) NAT GAS & OIL |
| 530238 | G27908 | BOILER 2 (5-20 MMBTU/HR) NAT GAS & OIL |
| 530239 | G27909 | BOILER 3 (5-20 MMBTU/HR) NAT GAS & OIL |
| 311495 | F27816 | ETHYLENE OXIDE STERILIZATION CONTROL SYSTEM |
| 359537 | F22167 | ICE (>500 HP) EM ELEC GEN DIESEL |
| 359538 | F22168 | ICE (>500 HP) EM ELEC GEN DIESEL |
| 359539 | F22169 | ICE (>500 HP) EM ELEC GEN DIESEL |
| 359540 | F22170 | ICE (>500 HP) EM ELEC GEN DIESEL |
| 367590 | F27818 | ETHYLENE OXIDE STERILIZER/AERATOR |
| 367591 | F27819 | ETHYLENE OXIDE STERILIZER/AERATOR |
| 367593 | F27821 | ETHYLENE OXIDE STERILIZATION CONTROL SYSTEM |
| G2872 | M03652 | SPRAYBOOTH PAINT & SOLVENT |

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



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FACILITY WIDE CONDITION (S)

Condition(s):

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



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PERMIT TO OPERATE

**Permit No. G27907
A/N 530237**

Equipment Description:

BOILER NO. 1, SUPERIOR IRON WORKS, MODEL NO. 4-2007, 400 HP, RATED AT 16,800,000 BTU/HR, WITH A POWER FLAME LOW NOX BURNER, MODEL NO. UCM 400-GO-30, NATURAL GAS AND LOW NITROGEN FUEL OIL FIRED, EQUIPPED WITH A FLUE GAS RECIRCULATION SYSTEM AND A 20 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. NO MORE THAN TWO OF THE THREE SUPERIOR IRON WORKS BOILERS NOS. 1, 2 AND 3 SHALL BE FIRED AT ANY ONE TIME EXCEPT DURING A WARM-UP PERIOD FOR ONE OF THE BOILERS THIS WARM-UP PERIOD SHALL NOT EXCEED FOUR (4) HOURS.
[RULE 1303 (b)(2)]
4. THE BURNER SHALL BE EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE COMBUSTION AIR, FUEL AND RECIRCULATED FLUE GAS AS THE EQUIPMENT LOAD VARIES. THIS AUTOMATIC CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED AT LEAST TWICE A YEAR COMMENCING FROM START-UP ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS TO ASSURE ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME FIRING RATE.
[RULE 1146, RULE 1303 (a)(1)]
5. THE BOILER SHALL BE FIRED WITH NATURAL GAS ONLY, LOW NITROGEN FUEL OIL WITH LESS THAN 0.01% NITROGEN AND SULFUR CONTENT WHICH MEETS THE RULE 431.2 LIMIT, MAY BE FIRED DURING PERIODS OF FORCED MAJEURE GAS CURTAILMENTS, DURING MAINTENANCE TESTING OF THE BOILER WHICH SHALL NOT EXCEED 30 MINUTES PER MONTH, OR DURING COMPLIANCE TESTING WITH FUEL OIL.
[RULE 1303 (a)(1)]
6. RECORDS OF SUCH ADJUSTMENTS, TUNE-UPS AND CALIBRATIONS AS STATED IN CONDITION NUMBER 6 SHALL BE KEPT FOR AT LEAST FIVE YEARS AND BE MADE AVAILABLE TO THE AQMD UPON REQUEST.
[RULE 1146, RULE 1303 (a)(1)]



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7. THIS BOILER SHALL BE EQUIPPED WITH A NON-RESETTABLE, TOTALIZING FUEL FLOW METER FOR EACH FUEL BURNED.
[RULE 1146]
8. AN INDICATOR SHALL BE INSTALLED MAINTAINED TO INDICATE THE AMOUNT OF FLUE GAS RECIRCULATED FROM THE EXHAUST STACK TO THE BURNER.
[RULE 1303 (a)(1)]
9. ALL RECORDS, INCLUDING DAILY FUEL USE, SHALL BE KEPT FOR A PERIOD OF AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1146, RULE 1303 (a)(1)]
10. THE OPERATOR SHALL PERFORM PERIODIC EMISSION TESTS ON THE BOILER WITH A PORTABLE ANALYZER IN ACCORDANCE WITH THE SCHEDULE AND SPECIFICATIONS OUTLINED IN RULE 1146.
[RULE 1146]
11. THE OPERATOR SHALL CONDUCT A SOURCE TEST ON THE BOILER UNDER THE FOLLOWING CONDITIONS:
 - A. AFTER THE INITIAL TEST IN 2012, TESTING SHALL BE CONDUCTED ONCE EVERY 3 YEARS, OR IN ACCORDANCE WITH THE SCHEDULE SPECIFIED IN RULE 1146.
 - B. THE TEST SHALL BE CONDUCTED TO DETERMINE THE EMISSIONS OF NOX AND CO USING ONE OF THE TEST METHODS SPECIFIED IN RULE 1146. THE TEST SHALL BE CONDUCTED OVER 15 MINUTE AVERAGING TIME. THE TEST SHALL BE CONDUCTED DURING GAS FIRING AT A GREATER THAN 90% LOAD, 50% LOAD, AND 25% LOAD.
 - C. TWO COMPLETE COPIES OF THE TEST REPORT SHALL BE SUBMITTED TO SCAQMD, PO BOX 4941, DIAMOND BAR, CA 91765 WITHIN 60 DAYS OF COMPLETION OF THE TEST. THE REPORT SHALL INCLUDE, BUT IS NOT LIMITED TO, EMISSIONS IN LBS/HR AND CONCENTRATIONS IN PPMV, AND FOR EACH FIRING RATE, THE EXHAUST FLOW, IN ACTUAL CUBIC FEET PER MINUTE, THE FIRING RATE IN BTU PER HOUR, THE EXHAUST TEMPERATURE IN DEGREES F, THE OXYGEN CONTENT OF THE EXHAUST GASES IN PERCENT AND THE FUEL FLOW RATE.
[RULE 1146]

Periodic Monitoring:

12. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSION FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THIS EQUIPMENT HAS COMBUSTED ONE MILLION GALLONS OF DIESEL FUEL, TO BE COUNTED CUMULATIVELY OVER A FIVE YEAR PERIOD. THE INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE HOUR, THE OPERATOR SHALL EITHER:
 - A. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN THE SAME FASHION AS DEVIATIONS ARE REQUIRED TO BE REPORTED IN SECTION K OF THIS PERMIT; OR



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- 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. DATE WHEN ANNUAL MAINTENANCE INSPECTION WAS CONDUCTED.
 - B. STACK OR EMISSION POINT IDENTIFICATION;
 - C. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;
 - D. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
 - E. VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER.
[RULE 3004 (a)(4)]
13. UNITS WITH A HEAT INPUT GREATER THAN 10 MMBTU/HR AND ANNUAL OIL USAGE GREATER THAN 1,000,000 GALLONS OR GREATER THAN 336 HOURS OF OPERATION, BUT DOES NOT EXCEED 2,000,000 GALLONS IN ANY ONE YEAR. THE OPERATOR SHALL CONDUCT AN ANNUAL MAINTENANCE INSPECTION CHECK OF THE OPERATING PRESSURE, TEMPERATURE, AIR SUPPLY, VENT, SMOKE SPOT, BURNER CONDITION, HEAT-TRANSFER SURFACE CONDITION, WATER TREATMENT, BLOWDOWN AND LEAKAGE.

THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:
[RULE 3004 (a)(4)]

Emissions and Requirements:

14. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- NOX 9 PPMV FOR NATURAL GAS FIRING [RULE 1146]
 - NOX: 40 PPMV FOR OIL FIRING, [RULE 1146]
 - CO: 400 PPMV, RULE 1146
 - CO: 2000 PPMV, RULE 407
 - PM: 0.1 GR/SCF, RULE 409



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PERMIT TO OPERATE

**Permit No. G27908
A/N 530238**

Equipment Description:

BOILER NO. 2, SUPERIOR IRON WORKS, MODEL NO. 4-2007, 400 HP, RATED AT 16,800,000 BTU/HR, WITH A POWER FLAME LOW NOX BURNER, MODEL NO. UCM 400-GO-30, NATURAL GAS AND FUEL OIL FIRED, EQUIPPED WITH A FLUE GAS RECIRCULATION SYSTEM AND A 20 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. NO MORE THAN TWO OF THE THREE SUPERIOR IRON WORKS BOILERS NOS. 1, 2 AND 3 SHALL BE FIRED AT ANY ONE TIME EXCEPT DURING A WARM-UP PERIOD FOR ONE OF THE BOILERS THIS WARM-UP PERIOD SHALL NOT EXCEED FOUR (4) HOURS.
[RULE 1303 (b)(2)]
4. THE BURNER SHALL BE EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE COMBUSTION AIR, FUEL AND RECIRCULATED FLUE GAS AS THE EQUIPMENT LOAD VARIES. THIS AUTOMATIC CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED AT LEAST TWICE A YEAR COMMENCING FROM START-UP ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS TO ASSURE ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME FIRING RATE.
[RULE 1146, RULE 1303 (a)(1)]
5. THE BOILER SHALL BE FIRED WITH NATURAL GAS ONLY, LOW NITROGEN FUEL OIL WITH LESS THAN 0.01% NITROGEN AND SULFUR CONTENT WHICH MEETS THE RULE 431.2 LIMIT, MAY BE FIRED DURING PERIODS OF FORCED MAJEURE GAS CURTAILMENTS, DURING MAINTENANCE TESTING OF THE BOILER WHICH SHALL NOT EXCEED 30 MINUTES PER MONTH, OR DURING COMPLIANCE TESTING WITH FUEL OIL.
[RULE 1303 (a)(1)]
6. RECORDS OF SUCH ADJUSTMENTS, TUNE-UPS AND CALIBRATIONS AS STATED IN CONDITION NUMBER 6 SHALL BE KEPT FOR AT LEAST FIVE YEARS AND BE MADE AVAILABLE TO THE AQMD UPON REQUEST.
[RULE 1146, RULE 1303 (a)(1)]
7. THIS BOILER SHALL BE EQUIPPED WITH A NON-RESETTABLE, TOTALIZING FUEL FLOW METER FOR EACH FUEL BURNED.
[RULE 1146]



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8. AN INDICATOR SHALL BE INSTALLED MAINTAINED TO INDICATE THE AMOUNT OF FLUE GAS RECIRCULATED FROM THE EXHAUST STACK TO THE BURNER.
[RULE 1303 (a)(1)]
9. ALL RECORDS, INCLUDING DAILY FUEL USE, SHALL BE KEPT FOR A PERIOD OF AL LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1146, RULE 1303 (a)(1)]
10. THE OPERATOR SHALL PERFORM PERIODIC EMISSION TESTS ON THE BOILER WITH A PORTABLE ANALYZER IN ACCORDANCE WITH THE SCHEDULE AND SPECIFICATIONS OUTLINED IN RULE 1146.
[RULE 1146]
11. THE OPERATOR SHALL CONDUCT A SOURCE TEST ON THE BOILER UNDER THE FOLLOWING CONDITIONS:
 - A. AFTER THE INITIAL TEST IN 2012, TESTING SHALL BE CONDUCTED ONCE EVERY 3 YEARS, OR IN ACCORDANCE WITH THE SCHEDULE SPECIFIED IN RULE 1146.
 - B. THE TEST SHALL BE CONDUCTED TO DETERMINE THE EMISSIONS OF NOX AND CO USING ONE OF THE TEST METHODS SPECIFIED IN RULE 1146. THE TEST SHALL BE CONDUCTED OVER 15 MINUTE AVERAGING TIME. THE TEST SHALL BE CONDUCTED DURING GAS FIRING AT A GREATER THAN 90% LOAD, 50% LOAD, AND 25% LOAD.
 - C. TWO COMPLETE COPIES OF THE TEST REPORT SHALL BE SUBMITTED TO SCAQMD, PO BOX 4941, DIAMOND BAR, CA 91765 WITHIN 60 DAYS OF COMPLETION OF THE TEST. THE REPORT SHALL INCLUDE, BUT IS NOT LIMITED TO, EMISSIONS IN LBS/HR AND CONCENTRATIONS IN PPMV, AND FOR EACH FIRING RATE, THE EXHAUST FLOW, IN ACTUAL CUBIC FEET PER MINUTE, THE FIRING RATE IN BTU PER HOUR, THE EXHAUST TEMPERATURE IN DEGREES F, THE OXYGEN CONTENT OF THE EXHAUST GASES IN PERCENT AND THE FUEL FLOW RATE.
[RULE 1146]

Periodic Monitoring:

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



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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. DATE WHEN ANNUAL MAINTENANCE INSPECTION WAS CONDUCTED.
 - B. STACK OR EMISSION POINT IDENTIFICATION;
 - C. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;
 - D. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
 - E. VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER.
[RULE 3004 (a)(4)]
13. UNITS WITH A HEAT INPUT GREATER THAN 10 MMBTU/HR AND ANNUAL OIL USAGE GREATER THAN 1,000,000 GALLONS OR GREATER THAN 336 HOURS OF OPERATION, BUT DOES NOT EXCEED 2,000,000 GALLONS IN ANY ONE YEAR. THE OPERATOR SHALL CONDUCT AN ANNUAL MAINTENANCE INSPECTION CHECK OF THE OPERATING PRESSURE, TEMPERATURE, AIR SUPPLY, VENT, SMOKE SPOT, BURNER CONDITION, HEAT-TRANSFER SURFACE CONDITION, WATER TREATMENT, BLOWDOWN AND LEAKAGE.

THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:
[RULE 3004 (a)(4)]

Emissions and Requirements:

14. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- NOX 9 PPMV FOR NATURAL GAS FIRING [RULE 1146]
 - NOX: 40 PPMV FOR OIL FIRING, [RULE 1146]
 - CO: 400 PPMV, RULE 1146
 - CO: 2000 PPMV, RULE 407
 - PM: 0.1 GR/SCF, RULE 409



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PERMIT TO OPERATE

**Permit No. G27909
A/N 530239**

Equipment Description:

BOILER NO. 3, SUPERIOR IRON WORKS, MODEL NO. 4-2007, 300 HP, RATED AT 16,800,000 BTU/HR, WITH A POWER FLAME LOW NOX BURNER, MODEL NO. UCM 400-GO-30, NATURAL GAS AND FUEL OIL FIRED, EQUIPPED WITH A FLUE GAS RECIRCULATION SYSTEM AND A 20 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. NO MORE THAN TWO OF THE THREE SUPERIOR IRON WORKS BOILERS NOS. 1, 2 AND 3 SHALL BE FIRED AT ANY ONE TIME EXCEPT DURING A WARM-UP PERIOD FOR ONE OF THE BOILERS THIS WARM-UP PERIOD SHALL NOT EXCEED FOUR (4) HOURS.
[RULE 1303 (b)(2)]
4. THE BURNER SHALL BE EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE COMBUSTION AIR, FUEL AND RECIRCULATED FLUE GAS AS THE EQUIPMENT LOAD VARIES. THIS AUTOMATIC CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED AT LEAST TWICE A YEAR COMMENCING FROM START-UP ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS TO ASSURE ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME FIRING RATE.
[RULE 1146, RULE 1303 (a)(1)]
5. THE BOILER SHALL BE FIRED WITH NATURAL GAS ONLY, LOW NITROGEN FUEL OIL WITH LESS THAN 0.01% NITROGEN AND SULFUR CONTENT WHICH MEETS THE RULE 431.2 LIMIT, MAY BE FIRED DURING PERIODS OF FORCED MAJEURE GAS CURTAILMENTS, DURING MAINTENANCE TESTING OF THE BOILER WHICH SHALL NOT EXCEED 30 MINUTES PER MONTH, OR DURING COMPLIANCE TESTING WITH FUEL OIL.
[RULE 1303 (a)(1)]
6. RECORDS OF SUCH ADJUSTMENTS, TUNE-UPS AND CALIBRATIONS AS STATED IN CONDITION NUMBER 6 SHALL BE KEPT FOR AT LEAST FIVE YEARS AND BE MADE AVAILABLE TO THE AQMD UPON REQUEST.
[RULE 1146, RULE 1303 (a)(1)]



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7. THIS BOILER SHALL BE EQUIPPED WITH A NON-RESETTABLE, TOTALIZING FUEL FLOW METER FOR EACH FUEL BURNED.
[RULE 1146]
8. AN INDICATOR SHALL BE INSTALLED MAINTAINED TO INDICATE THE AMOUNT OF FLUE GAS RECIRCULATED FROM THE EXHAUST STACK TO THE BURNER.
[RULE 1303 (a)(1)]
9. ALL RECORDS, INCLUDING DAILY FUEL USE, SHALL BE KEPT FOR A PERIOD OF AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
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10. THE OPERATOR SHALL PERFORM PERIODIC EMISSION TESTS ON THE BOILER WITH A PORTABLE ANALYZER IN ACCORDANCE WITH THE SCHEDULE AND SPECIFICATIONS OUTLINED IN RULE 1146.
[RULE 1146]
11. THE OPERATOR SHALL CONDUCT A SOURCE TEST ON THE BOILER UNDER THE FOLLOWING CONDITIONS:
 - A. AFTER THE INITIAL TEST IN 2012, TESTING SHALL BE CONDUCTED ONCE EVERY 3 YEARS, OR IN ACCORDANCE WITH THE SCHEDULE SPECIFIED IN RULE 1146.
 - B. THE TEST SHALL BE CONDUCTED TO DETERMINE THE EMISSIONS OF NOX AND CO USING ONE OF THE TEST METHODS SPECIFIED IN RULE 1146. THE TEST SHALL BE CONDUCTED OVER 15 MINUTE AVERAGING TIME. THE TEST SHALL BE CONDUCTED DURING GAS FIRING AT A GREATER THAN 90% LOAD, 50% LOAD, AND 25% LOAD. THE TEST SHALL BE CONDUCTED DURING OIL FIRING AT GREATER THAN 90% LOAD ONLY.
 - C. TWO COMPLETE COPIES OF THE TEST REPORT SHALL BE SUBMITTED TO SCAQMD, PO BOX 4941, DIAMOND BAR, CA 91765 WITHIN 60 DAYS OF COMPLETION OF THE TEST. THE REPORT SHALL INCLUDE, BUT IS NOT LIMITED TO, EMISSIONS IN LBS/HR AND CONCENTRATIONS IN PPMV, AND FOR EACH FIRING RATE, THE EXHAUST FLOW, IN ACTUAL CUBIC FEET PER MINUTE, THE FIRING RATE IN BTU PER HOUR, THE EXHAUST TEMPERATURE IN DEGREES F, THE OXYGEN CONTENT OF THE EXHAUST GASES IN PERCENT AND THE FUEL FLOW RATE.
[RULE 1146]

Periodic Monitoring:

12. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSION FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THIS EQUIPMENT HAS COMBUSTED ONE MILLION GALLONS OF DIESEL FUEL, TO BE COUNTED CUMULATIVELY OVER A FIVE YEAR PERIOD. THE INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE HOUR, THE OPERATOR SHALL EITHER:
 - A. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN THE



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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. DATE WHEN ANNUAL MAINTENANCE INSPECTION WAS CONDUCTED.
- B. STACK OR EMISSION POINT IDENTIFICATION;
- C. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;
- D. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
- E. VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER.
[RULE 3004 (a)(4)]
13. UNITS WITH A HEAT INPUT GREATER THAN 10 MMBTU/HR AND ANNUAL OIL USAGE GREATER THAN 1,000,000 GALLONS OR GREATER THAN 336 HOURS OF OPERATION, BUT DOES NOT EXCEED 2,000,000 GALLONS IN ANY ONE YEAR. THE OPERATOR SHALL CONDUCT AN ANNUAL MAINTENANCE INSPECTION CHECK OF THE OPERATING PRESSURE, TEMPERATURE, AIR SUPPLY, VENT, SMOKE SPOT, BURNER CONDITION, HEAT-TRANSFER SURFACE CONDITION, WATER TREATMENT, BLOWDOWN AND LEAKAGE.

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

[RULE 3004 (a)(4)]

Emissions and Requirements:

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

NOX: 9 PPMV FOR NATURAL GAS FIRING [RULE 1146]
NOX: 40 PPMV FOR OIL FIRING, [RULE 1146]
CO: 50 PPMV FOR NATURAL GAS FIRING [RULE 1303 - BACT]
CO: 400 PPMV, [RULE 1146]
CO: 2000 PPMV, [RULE 407]
PM: 0.1 GR/SCF, [RULE 409]



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PERMIT TO OPERATE

**Permit No. F27816
A/N 311495**

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. CATALYTIC OXIDIZER, AMSCO/DONALDSON, MODEL NO. ETX00-6500, SERIAL NO. IG031013, 2'-5" W X 2'-5" L X 5'-10" H. WITH A 6.5 KW PREHEATER AND A 10 KW HEATER.
2. EXHAUST SYSTEM WITH A PREFILTER, 0.6 HP BLOWER AND A 0.5 VACUUM PUMP VENTING TWO STERILIZERS.

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. A TEMPERATURE MEASUREMENT DEVICE WITH AN ACCURACY OF PLUS OR MINUS 20 DEGREES FAHRENHEIT SHALL BE INSTALLED AND MAINTAINED AT THE EXHAUST OF THE CATALYST BED.
[RULE 1405]
4. THE CATALYST SHALL BE INSPECTED AT LEAST ONCE PER YEAR AND DETERMINED IF THE BED SHALL BE REPLACED.
[RULE 1405]
5. WHENEVER THE CATALYTIC OXIDIZER IS IN OPERATION, THE TEMPERATURE AT THE INLET OF THE CATALYST BED (AS SHOWN ON THE INSTRUMENT DESCRIBED UNDER CONDITION NO. 3) SHALL NOT BE LESS THAN 280 DEGREES FAHRENHEIT.
[RULE 1405]
6. WHENEVER THE CATALYTIC OXIDIZER IS IN OPERATION, THE TEMPERATURE AT THE OUTLET OF THE CATALYST BED (AS SHOWN ON THE INSTRUMENT DESCRIBED UNDER CONDITION NO. 3) SHALL NOT EXCEED 500 DEGREES FAHRENHEIT.
[RULE 1405]



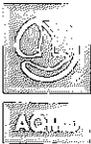
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7. EQUIPMENT SHUTDOWN INTERLOCKS SHALL BE PROVIDED FOR LOW/HIGH OXIDATION TEMPERATURES AS STATED IN CONDITION NO. 5 AND 6.
[RULE 1405]
8. THIS EQUIPMENT SHALL COMPLY WITH RULE 1405.
[RULE 1405]
9. RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITIONS NO. 4 AND 8. THE RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303 (a)(1), RULE 1405]

Emissions and Requirements:

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

ETHYLENE OXIDE: RULE 1401 AND RULE 1405
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS



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PERMIT TO OPERATE

Permit No. F22167
A/N 359537

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, 16 CYLINDERS, TURBOCHARGED & AFTERCOOLED, MODEL NO. 3516 DITA (2000 KW), 2847 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. AN OPERATIONAL NON-RESETTING TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1110.2, 1304 (a)]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES MAINTENANCE AND TESTING.
[RULE 1110.2, 1304 (a)]
5. OPERATION OF THE ENGINE FOR OTHER THAN MAINTENANCE AND TESTING PURPOSES SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE 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.
[RULE 1304 (a)]
6. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION (INCLUDE HOURS FOR MANUAL AND AUTOMATIC OPERATION) SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1110.2, RULE 1304 (a)]
7. THE ENGINE SHALL MEET ALL APPLICABLE REQUIREMENTS OF RULE 1470.



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[RULE 1470]

Emissions and Requirements:

8. 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. F22168
A/N 359538**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, 16 CYLINDERS, TURBOCHARGED & AFTERCOOLED, MODEL NO. 3516 DITA (2000 KW), 2847 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. AN OPERATIONAL NON-RESETTING TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1110.2, 1304 (a)]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES MAINTENANCE AND TESTING.
[RULE 1110.2, 1304 (a)]
5. OPERATION OF THE ENGINE FOR OTHER THAN MAINTENANCE AND TESTING PURPOSES SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE 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.
[RULE 1304 (a)]
6. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION (INCLUDE HOURS FOR MANUAL AND AUTOMATIC OPERATION) SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1110.2, RULE 1304 (a)]
7. THE ENGINE SHALL MEET ALL APPLICABLE REQUIREMENTS OF RULE 1470.



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[RULE 1470]

Emissions and Requirements:

8. 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. F22169
A/N 359539**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, 16 CYLINDERS, TURBOCHARGED & AFTERCOOLED, MODEL NO. 3516 DITA (2000 KW), 2847 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. AN OPERATIONAL NON-RESETTING TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1110.2, 1304 (a)]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES MAINTENANCE AND TESTING.
[RULE 1110.2, 1304 (a)]
5. OPERATION OF THE ENGINE FOR OTHER THAN MAINTENANCE AND TESTING PURPOSES SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE 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.
[RULE 1304 (a)]
6. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION (INCLUDE HOURS FOR MANUAL AND AUTOMATIC OPERATION) SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1110.2, RULE 1304 (a)]
7. THE ENGINE SHALL MEET ALL APPLICABLE REQUIREMENTS OF RULE 1470.



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[RULE 1470]

Emissions and Requirements:

8. 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. F22170
A/N 359540**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, 16 CYLINDERS, TURBOCHARGED & AFTERCOOLED, MODEL NO. 3516 DITA (2000 KW), 2847 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. AN OPERATIONAL NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1110.2, 1304 (a)]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES MAINTENANCE AND TESTING.
[RULE 1110.2, 1304 (a)]
5. OPERATION OF THE ENGINE FOR OTHER THAN MAINTENANCE AND TESTING PURPOSES SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE 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.
[RULE 1304 (a)]
6. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION (INCLUDE HOURS FOR MANUAL AND AUTOMATIC OPERATION) SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1110.2, RULE 1304 (a)]
7. THE ENGINE SHALL MEET ALL APPLICABLE REQUIREMENTS OF RULE 1470.



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[RULE 1470]

Emissions and Requirements:

8. 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. F27818
A/N 367590**

Equipment Description:

ETHYLENE OXIDE (ETO) STERILIZER/AERATOR NO. 3, EAGLE, MODEL NO. 3017, 3'-0" W X 2'-8" L X 2'-3" H. (INTERIOR DIMENSIONS), ELECTRICALLY HEATED, 1 KW.

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 EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AN AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND HAS BEEN ISSUED A PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303 (a)(1), RULE 1405]
4. THIS EQUIPMENT SHALL ONLY USE STERILIZING GAS CONTAINING 100% WT ETHYLENE OXIDE.
[RULE 1405]
5. THE TOTAL QUANTITY OF ETHYLENE OXIDE USED IN THIS EQUIPMENT SHALL NOT EXCEED 100 GRAMS IN ANY ONE DAY.
[RULE 1401, RULE 1405]
6. THIS EQUIPMENT SHALL COMPLY WITH RULE 1405.
[RULE 1405]
7. RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITION NOS. 5 AND 6. THE RECORDS SHALL BE KEPT FOR MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303 (a)(1), RULE 1401, RULE 1405]

Emissions and Requirements:

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

ETHYLENE OXIDE: RULE 1401 AND RULE 1405



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PERMIT TO OPERATE

**Permit No. F27819
A/N 367591**

Equipment Description:

ETHYLENE OXIDE (ETO) STERILIZER/AERATOR NO. 4, EAGLE, MODEL NO. 3017, 3'-0" W X 2'-8" L X 2'-3" H. (INTERIOR DIMENSIONS), ELECTRICALLY HEATED, 1 KW.

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 EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AN AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND HAS BEEN ISSUED A PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303 (a)(1), RULE 1405]
4. THIS EQUIPMENT SHALL ONLY USE STERILIZING GAS CONTAINING 100% WT ETHYLENE OXIDE.
[RULE 1405]
5. THE TOTAL QUANTITY OF ETHYLENE OXIDE USED IN THIS EQUIPMENT SHALL NOT EXCEED 100 GRAMS IN ANY ONE DAY.
[RULE 1401, RULE 1405]
6. THIS EQUIPMENT SHALL COMPLY WITH RULE 1405.
[RULE 1405]
7. RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITION NOS. 5 AND 6. THE RECORDS SHALL BE KEPT FOR MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303 (a)(1), RULE 1401, RULE 1405]

Emissions and Requirements:

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

ETHYLENE OXIDE: RULE 1401 AND RULE 1405



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PERMIT TO OPERATE

**Permit No. F27821
A/N 367593**

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. CATALYTIC OXIDIZER, AMSCO MODEL NO. 50 CFM DISPOSER, 2'-4" W X 3'-9" L X 2'-0" H. WITH A 6. KW HEATER.
2. EXHAUST SYSTEM WITH A PREFILTER, 0.6 HP BLOWER AND A 0.5 VACUUM PUMP VENTING TWO STERILIZERS.

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. A TEMPERATURE MEASUREMENT DEVICE WITH AN ACCURACY OF PLUS OR MINUS 20 DEGREES FAHRENHEIT SHALL BE INSTALLED AND MAINTAINED AT THE EXHAUST OF THE CATALYST BED.
[RULE 1405]
4. THE CATALYST SHALL BE INSPECTED AT LEAST ONCE PER YEAR AND DETERMINED IF THE BED SHALL BE REPLACED.
[RULE 1405]
5. WHENEVER THE CATALYTIC OXIDIZER IS IN OPERATION, THE TEMPERATURE AT THE INLET OF THE CATALYST BED (AS SHOWN ON THE INSTRUMENT DESCRIBED UNDER CONDITION NO. 3) SHALL NOT BE LESS THAN 280 DEGREES FAHRENHEIT.
[RULE 1405]
6. WHENEVER THE CATALYTIC OXIDIZER IS IN OPERATION, THE TEMPERATURE AT THE OUTLET OF THE CATALYST BED (AS SHOWN ON THE INSTRUMENT DESCRIBED UNDER CONDITION NO. 3) SHALL NOT EXCEED 500 DEGREES FAHRENHEIT.
[RULE 1405]
7. EQUIPMENT SHUTDOWN INTERLOCKS SHALL BE PROVIDED FOR LOW/HIGH OXIDATION TEMPERATURES AS STATED IN CONDITION NO. 5 AND 6.
[RULE 1405]



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8. THIS EQUIPMENT SHALL COMPLY WITH RULE 1405.
[RULE 1405]

9. RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITIONS NO. 4 AND 8.
THE RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO
DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303 (a)(1), RULE 1405]

Emissions and Requirements:

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

ETHYLENE OXIDE: RULE 1401 AND RULE 1405
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS



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PERMIT TO OPERATE

**Permit No. M03652
A/N G-2872**

Equipment Description:

SPRAY BOOTH, STEWART WARNER, FLOOR FILTER TYPE, 10'-0" W X 7'0" H X 9'-0" D., WITH ONE 1 1/2 HP EXHAUST FAN.

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 SPRAY BOOTH SHALL NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST 2 INCHES THICK.
[RULE 1303 (a)(1)]
4. A GAUGE SHALL BE INSTALLED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL SHALL NOT EXCEED 0.25 INCHES OF WATER.
[RULE 1303 (a)(1), RULE 3004 (a)(4)]
5. PHOTOCHEMICALLY REACTIVE SOLVENTS SHALL NOT BE USED FOR CLEAN-UP OR ADDED TO COATING MATERIALS APPLIED IN THIS EQUIPMENT.
[RULE 442]
6. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS USED IN THIS EQUIPMENT SHALL NOT EXCEED 6 GALLONS IN ANY ONE DAY OR 1 GALLON IN ANY ONE HOUR.
[RULE 1303 (b)(2)]

Periodic Monitoring:

7. THE OPERATOR SHALL PERFORM A WEEKLY INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETERS OR ITEMS:
 - A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;



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- B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
- C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.
[RULE 3004(a)(4)]
8. THE OPERATOR SHALL DETERMINE AND RECORD THE PRESSURE DROP ACROSS THE FILTER ONCE EVERY WEEK.
[RULE 3004(a)(4)]
9. IN ADDITION TO THE REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY VOLATILE ORGANIC COMPOUNDS (VOC) EMISSIONS IN POUNDS AND THE VOC CONTENT OF EACH MATERIAL AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS). ALL RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, SHALL BE RETAINED ON THE PREMISES FOR AT LEAST FIVE YEARS, AND SHALL BE MADE AVAILABLE TO THE DISTRICT UPON REQUEST.
[RULE 3004 (a)(4)]

Emissions And Requirements:

10. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- VOC: RULE 109
 - VOC: RULE 1107, SEE APPENDIX B FOR EMISSIONS LIMITS
 - VOC: RULE 1171, SEE APPENDIX B FOR EMISSIONS LIMITS
 - PM: RULE 481
 - PM: RULE 404, SEE APPENDIX B FOR EMISSIONS LIMITS



**FACILITY PERMIT TO OPERATE
L.A. COUNTY HARBOR UCLA MEDICAL CENTER**

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, HAND WIPING OPERATIONS.

Emissions and Requirements:

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

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS



FACILITY PERMIT TO OPERATE L.A. COUNTY HARBOR UCLA MEDICAL CENTER

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 REGULATIONS:

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



**FACILITY PERMIT TO OPERATE
L.A. COUNTY HARBOR UCLA MEDICAL CENTER**

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, HEATERS, 2MMBTU/HR OR LESS.

Emissions and Requirements:

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

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



**FACILITY PERMIT TO OPERATE
L.A. COUNTY HARBOR UCLA MEDICAL CENTER**

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 REGULATION:

REFRIGERANT:RULE 1415
REFRIGERANT:40CFR 82 SUBPART F



**FACILITY PERMIT TO OPERATE
L.A. COUNTY HARBOR UCLA MEDICAL CENTER**

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, HALON FIRE EXTINGUISHING EQUIPMENT.

Emissions and Requirements:

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

HALON: RULE 1418



**FACILITY PERMIT TO OPERATE
L.A. COUNTY HARBOR UCLA MEDICAL CENTER**

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, REFRIGERATION UNITS.

Emissions and Requirements:

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

REFRIGERANT:RULE 1415
REFRIGERANT:40CFR 82 SUBPART F