



South Coast Air Quality Management District

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



October 18, 2011

Mr. Gerardo Rios
Chief – Permits Office
U. S. EPA, Region IX
75 Hawthorne Street, Air 3
San Francisco, CA 94105

Subject: Transmittal of Final Title V Renewal Permit

Dear Mr. Rios:

Enclosed is the final Title V renewal permit issued by the South Coast Air Quality Management District (AQMD) under Application No. 519383 for LA Co., Olive View Medical Center (ID 3093) located at 14445 Olive View Drive, Sylmar, CA 91342. The proposed renewal permit for this facility was submitted to EPA Region IX for 45-day review on September 1, 2011 and made available for 30-day public comment on September 8, 2011. The AQMD did not receive any public comments on the proposed renewal permit.

If there are specific questions on this Title V renewal permit, please contact Mr. Roy Olivares, Air Quality Engineer II at (909) 396-2208.

Sincerely,

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

Enclosure



South Coast Air Quality Management District

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October 18, 2011

Mr. Robert Ross
Director of Facilities
LA CO., Olive View Medical Center (Facility ID 3093)
14445 Olive View Drive
Slymar, CA 91342

Re: Title V Renewal Permit, LA CO., Olive View Medical Center, ID# 3093
Application No. 515366

Dear Mr. Ross:

Please find enclosed your Title V Permit renewal for equipment located at 14445 Olive View Drive, Slymer, CA 91342. The Title V permit renewal was submitted to USEPA on September 1, 2011 for their 45-day review concurrent with a 30-day public notice published on September 8, 2011. No comments from USEPA or the public were received. The Title V permit renewal is issued for a new 5 year term beginning October 18, 2011 and ending on October 17, 2016.

Please review all sections of your Title V renewal permit carefully and make sure that you comply with all requirements including, but not limited to, the monitoring, recordkeeping, and reporting requirements (i.e. semi-annual monitoring report, annual compliance certification report, etc.) specified in this Title V permit. All reporting forms can be downloaded from the AQMD website at <http://www.aqmd.gov/titlev/apply.html>.

Thank you for providing the necessary information that allowed the AQMD to complete the evaluation of your facility with respect to the federal Title V requirements. Questions concerning your Title V permit should be directed Mr. Roy Olivares at (909) 396-2208 or rolivares@aqmd.gov.

Sincerely,

Brian L. Yeh, P.E.
Senior Engineering Manager
Mechanical, Chemical & Public Services

BLY:AYL:JTY:rdc

Enclosure

cc: Title V Administration (w/o enclosure)
Energy Unit File

FACILITY PERMIT TO OPERATE

**LA CO., OLIVE VIEW/UCLA MEDICAL CENTER
14445 OLIVE VIEW DR.
SYLMAR, CA 91342**

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

FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER

TABLE OF CONTENTS

| Section | Description | Revision # | Date Issued |
|-----------------|--|-----------------|-------------|
| A | Facility Information | 1 | 10/18/2011 |
| B | RECLAIM Annual Emission Allocation | 1 | 10/18/2011 |
| C | Facility Plot Plan | TO BE DEVELOPED | |
| D | Facility Description and Equipment Specific Conditions | 2 | 10/18/2011 |
| E | Administrative Conditions | 1 | 10/18/2011 |
| F | RECLAIM Monitoring and Source Testing Requirements | 1 | 10/18/2011 |
| G | Recordkeeping and Reporting Requirements for RECLAIM Sources | 1 | 10/18/2011 |
| H | Permit To Construct and Temporary Permit to Operate | 0 | 04/28/2006 |
| I | Compliance Plans & Schedules | 1 | 10/18/2011 |
| J | Air Toxics | 1 | 10/18/2011 |
| K | Title V Administration | 1 | 10/18/2011 |
| Appendix | | | |
| A | NOx and SOx Emitting Equipment Exempt From Written Permit Pursuant to Rule 219 | 1 | 10/18/2011 |
| B | Rule Emission Limits | 1 | 10/18/2011 |

FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: LA CO., OLIVE VIEW/UCLA MEDICAL CENTER

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 14445 OLIVE VIEW DR.
SYLMAR, CA 91342

MAILING ADDRESS: 14445 OLIVE VIEW DR ATT: BOB ROSS
SYLMAR, CA 91342-1495

RESPONSIBLE OFFICIAL: ROBERT ROSS

TITLE: DIRECTOR OF FACILITIES

TELEPHONE NUMBER: (818) 364-3325

CONTACT PERSON: BOB ROSS

TITLE: DIRECTOR OF FACILITIES

TELEPHONE NUMBER: (818) 364-3325

TITLE V PERMIT ISSUED: October 18, 2011

TITLE V PERMIT EXPIRATION DATE: October 17, 2016

| | |
|----------------|----------------|
| TITLE V | RECLAIM |
|----------------|----------------|

| | | |
|------------|---------------|----------------|
| YES | NOx: | NO |
| | SOx: | NO |
| | CYCLE: | 0 |
| | ZONE: | COASTAL |

FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

NOT APPLICABLE

FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER

SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)

FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER

SECTION E: ADMINISTRATIVE CONDITIONS

The operating conditions in this section shall apply to all permitted equipment at this facility unless superseded by condition(s) listed elsewhere in this permit.

1. The permit shall remain effective unless this permit is suspended, revoked, modified, reissued, denied, or it is expired for nonpayment of permit processing or annual operating fees. [201, 203, 209, 301]
 - a. The permit must be renewed annually by paying annual operating fees, and the permit shall expire if annual operating fees are not paid pursuant to requirements of Rule 301(d). [301(d)]
 - b. The Permit to Construct listed in Section H shall expire one year from the Permit to Construct issuance date, unless a Permit to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the Executive Officer prior to the operation of the equipment, in which case the Permit to Construct serves as a temporary Permit to Operate. [202, 205]
 - c. The Title V permit shall expire as specified under Section K of the Title V permit. The permit expiration date of the Title V facility permit does not supercede the requirements of Rule 205. [205, 3004]
2. The operator shall maintain all equipment in such a manner that ensures proper operation of the equipment. [204]
3. This permit does not authorize the emissions 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 and Regulations of the AQMD. This permit cannot be considered as permission to violate existing laws, ordinances, regulations, or statutes of other governmental agencies. [204]
4. The operator shall not use equipment identified in this facility permit as being connected to air pollution control equipment unless they are so vented to the identified air pollution control equipment which is in full use and which has been included in this permit. [204]

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW 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.

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

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 |
|---------------------------|---------------------------------|---------------------------------------|
| 274353 | D69497 | AFTERBURNER, CATALYTIC |
| 275220 | D66806 | ETHYLENE OXIDE STERILIZATION HOSPITAL |
| 275221 | D66821 | ETHYLENE OXIDE STERILIZATION HOSPITAL |
| 278455 | D70989 | ICE (50-500 BHP) EM ELEC GEN, DIESEL |
| 286586 | F21040 | TURBINE ENGINE (<= 50MW) NG & MISC |
| 286587 | F21039 | TURBINE ENGINE (<= 50MW) NG & MISC |
| 363086 | F23608 | ICE (>500 BHP) EM ELEC GEN, DIESEL |
| 363087 | F23610 | ICE (>500 BHP) EM ELEC GEN, DIESEL |
| G01385 | P18886 | SPRAY BOOTH PAINT AND SOLVENT |
| 512457 | TBD | TURBINE ENGINE (<= 50MW) NG & MISC |
| 512458 | TBD | TURBINE ENGINE (<= 50MW) NG & MISC |

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

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

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 NOT USE FUEL OIL CONTAINING SULFUR COMPOUNDS IN EXCESS OF 0.05 PERCENT BY WEIGHT.
[RULE 431.2]

3. 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]

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

PERMIT TO OPERATE

**Permit No. D69497
A/N 274353**

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. CATALYTIC OXIDIZER, DONALDSON, MODEL EXT 00-6501, 2'-2" W. X 2' -2" L. X 6-10" H., (EXTERIOR DIMENSIONS), WITH AN ELECTRIC HEATER, AN INLET PARTICULATE FILTER, A VACUUM PUMP AND A CATALYTIC CELL.
2. EXHAUST SYSTEM WITH AN AIR BLOWER, VENTING TWO ETHYLENE OXIDE 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. ONLY ONE STERILIZER MAY BE VENTED TO THE CATALYTIC INCINERATOR AT ANY ONE TIME.
[RULE 1405]
4. RECORDS SHALL BE MAINTAINED TO SHOW COMPLIANCE WITH THE ABOVE CONDITIONS. RECORDS SHALL BE KEPT FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1405]
5. THE OWNER OR OPERATOR OF THE EQUIPMENT SHALL CONDUCT ANNUAL SOURCE TESTS PER DISTRICT RULE 1405(d)(6).
[RULE 1405]
6. THE TEMPERATURE OF THE EXHAUST TO THE CATALYST BED SHALL BE MAINTAINED BETWEEN 280 DEGREES FAHRENHEIT AND 500 DEGREES FAHRENHEIT AS INDICATED BY A PROPER TEMPERATURE GAUGE AND/OR RECORDER.
[RULE 1405]

Emissions and Requirements:

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

ETHYLENE OXIDE: RULE 1405
ETHYLENE OXIDE: 40 CFR Part 63 Subpart WWWW

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

PERMIT TO OPERATE

**Permit No. D66806
A/N 275220**

Equipment Description:

ETHYLENE OXIDE GAS STERILIZER/AERATOR, UNIT A, SERIAL NO. 632565, CASTLE, MODEL 4171, 2-2-, W. X 6'-4" L. X 5'-2" H. (INTERIOR DIMENSIONS), STEAM HEATED, WITH A VACUUM PUMP.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE MAXIMUM AMOUNT OF STERILIZING GAS USED IN THIS EQUIPMENT SHALL NOT EXCEED 28 POUNDS IN ANY DAY OR 605 POUNDS IN ANY MONTH.
[RULE 1405, RULE 1401]
4. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS THE STERILIZER IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND HAS BEEN ISSUED A PERMIT TO CONSTRUCT BY THE EXECUTIVE OFFICER.
[RULE 1405, RULE 1401]
5. THIS EQUIPMENT SHALL BE LEAK CHECKED PER DISTRICT RULE 1405 (d)(5).
[RULE 1405]
6. RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITION NO. 3 AND 4. RECORDS SHALL BE KEPT FOR A MINIMUM OF FIVE YEARS AND BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1405, RULE 1401]

Emissions and Requirements:

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

ETHYLENE OXIDE: RULE 1405
ETHYLENE OXIDE: 40 CFR Part 63 Subpart WWWW

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

PERMIT TO OPERATE

**Permit No. D66821
A/N 275221**

Equipment Description:

ETHYLENE OXIDE GAS STERILIZER/AERATOR, UNIT B, SERIAL NO. 632561, CASTLE, MODEL 4171, 2-2-, W. X 6'-4" L. X 5'-2" H. (INTERIOR DIMENSIONS), STEAM HEATED, WITH A VACUUM PUMP.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE MAXIMUM AMOUNT OF STERILIZING GAS USED IN THIS EQUIPMENT SHALL NOT EXCEED 28 POUNDS IN ANY DAY OR 605 POUNDS IN ANY MONTH.
[RULE 1405]
4. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS THE STERILIZER IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND HAS BEEN ISSUED A PERMIT TO CONSTRUCT BY THE EXECUTIVE OFFICER.
[RULE 1405]
5. THIS EQUIPMENT SHALL BE LEAK CHECKED PER DISTRICT RULE 1405 (d)(5).
[RULE 1405]
6. RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITION NO. 3 AND 4. RECORDS SHALL BE KEPT FOR A MINIMUM OF FIVE YEARS AND BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1405]

Emissions and Requirements:

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

ETHYLENE OXIDE: RULE 1405
ETHYLENE OXIDE: 40 CFR Part 63 Subpart WWWW

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

PERMIT TO OPERATE

**Permit No. D70989
A/N 278455**

Equipment Description:

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, MODEL NO. D397D, SERIAL NO. 41B2342, FOUR CYCLE, TWELVE CYLINDER, TURBOCHARGED, AFTERCOOLED, DIESEL-FIRED, 402 HP, DRIVING AN EMERGENCY GENERATOR.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]
4. THE OPERATOR SHALL NOT USE FUEL OIL CONTAINING SULFUR COMPOUNDS IN EXCESS OF 0.05 PERCENT BY WEIGHT.
[RULE 1303 (a)-BACT]
5. THE OPERATOR SHALL NOT USE FUEL OIL CONTAINING SULFUR COMPOUNDS IN EXCESS OF 15 PPM BY WEIGHT.
[RULE 1470]
6. 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.
[RULE 1110.2, RULE 1303 (a), RULE 1304 (a)(4), RULE 1470]
7. OPERATING BEYOND THE 30 HOURS PER YEAR ALLOTTED FOR MAINTENANCE AND TESTING PURPOSES SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1470]

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LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

8. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1110.2, RULE 1303 (b)(2), RULE 1470]
9. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1304 (a)(4), RULE 1470]
10. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED, DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND SPECIFIC REASON FOR OPERATION AS:
- a. EMERGENCY USE.
 - b. MAINTENANCE AND TESTING.
 - c. OTHER (DESCRIBE THE REASON FOR OPERATING).
 - d. IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION.
[RULE 1303 (b)(2), RULE 1470]
11. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG THE FOLLOWING:
- THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND
- THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.
- THE ENGINE OPERATING LOG SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE CALENDAR YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR REPRESENTATIVE UPON REQUEST.
[RULE 1303 (b)(2)]
12. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO STANDARD TIMING.
[RULE 1303(a) – BACT]

Emissions and Requirements:

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

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

PERMIT TO OPERATE

**Permit No. TBD
A/N 512457**

Equipment Description:

COGENERATION SYSTEM NO. 1 (TRAIN A) CONSISTING OF:

1. GAS TURBINE NO. 1, DETROIT DIESEL, ALLISON, MODEL NO. 501-KB, SERIAL NO. ASPI014, 39,400,000 BTU PER HOUR, GAS OR OIL FIRED, WITH WATER INJECTION SYSTEM, DRIVING A 2.89 MW ELECTRICAL GENERATOR.
2. WASTE HEAT RECOVERY UNIT, ECO, MODEL NO. 6328-2, WITH AN AUXILIARY BURNER, NORTH AMERICAN, MODEL NO. 6213-20-46, 19,500,000 BTU/HR, NATURAL GAS OR OIL FIRED,
3. FLUE GAS COMPRESSOR NO. 1, 100 H.P.
4. GAS TURBINE STARTING ENGINE NO. 1, DETROIT DIESEL, MODEL NO 4-71, 140 H.P.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL ONLY BE OPERATED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]
4. EMISSIONS OF NITROGEN OXIDES FROM THE COGENERATION GAS TURBINE SHALL NOT EXCEED 25 PPMV, CORRECTED TO 15% OXYGEN, MEASURED ON A DRY BASIS.
[RULE 1134]
5. EMISSIONS OF NITROGEN OXIDES FROM THE SIMULTANEOUS OPERATION OF THE COGENERATION GAS TURBINE AND AUXILIARY BURNER SHALL NOT EXCEED 25 PPMV, CORRECTED TO 15% OXYGEN, MEASURED ON A DRY BASIS.
[RULE 1134]
6. EMISSIONS OF NITROGEN OXIDES FROM THE OPERATION OF THE AUXILIARY BURNER (WHEN THE GAS TURBINE IS SHUTDOWN) SHALL NOT EXCEED 30 PPMV, CORRECTED TO 3% OXYGEN, MEASURED ON A DRY BASIS.
[RULE 1146]

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

7. THE COGENERATION GAS TURBINE SHALL NOT BE OPERATED ABOVE A MAXIMUM POWER OUTPUT OF 2.899 MW.
[RULE 1134]
8. THIS EQUIPMENT SHALL NOT BE FIRED ON FUEL OIL EXCEPT DURING A STATE OF EMERGENCY IN ACCORDANCE WITH PROVISIONS OF RULE 118.
[RULE 118]
9. EMISSIONS FROM THIS COGENERATION SYSTEM SHALL NOT EXCEED:
- | POLLUTANT | CO | NOX | PM10 | ROG | SOX |
|-----------|-----|-----|------|-----|-----|
| LB/DAY | 281 | 131 | 15 | 115 | 1 |
- [RULE 1134]
10. WATER INJECTION SHALL BE USED DURING OPERATION OF THE GAS TURBINE AT ALL TIMES EXCEPT DURING START-UPS. THE MINIMUM WATER-TO-FUEL INJECTION MASS RATIO SHALL BE MAINTAINED AT 0.9 TO 1.0.
[RULE 1134]
11. THE CONTINUOUS MONITORING SYSTEM SHALL MEASURE AND RECORD THE WATER-TO-FUEL INJECTION MASS RATIO AND SHALL BE PROPERLY OPERATED AND MAINTAINED IN CALIBRATION WITH AN ACCURACY TO WITHIN PLUS OR MINUS 5.0 PERCENT.
[RULE 1134]
12. DAILY RECORDS FOR THE TOTAL FUEL USAGE BY TYPE, WATER-TO-FUEL INJECTION MASS RATIO, ELECTRICAL OUTPUT, USEFUL THERMAL OUTPUT, AND OPERATING HOURS OF THE COGENERATION, AND OPERATING DURING RULE 118 EMERGENCIES SHALL BE KEPT AND MAINTAINED ON FILE FOR AT LEAST TWO YEARS AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1134, RULE 118]
13. THIS EQUIPMENT IS SUBJECT TO THE STANDARDS OF PERFORMANCE FOR STATIONARY GAS TURBINES UNDER EPA CFR 40, PART 60, SUBPARTS A AND GG, AND SHALL COMPLY WITH THE NOTIFICATION, RECORD KEEPING AND REPORTING REQUIREMENTS OF SUBPART GG FOR THIS EQUIPMENT PURSUANT TO SECTION 60.7.
[RULE 1134, CFR 40, PART 60, SUBPART GG]
14. THE COGENERATION SYSTEM SHALL COMPLY WITH THE APPLICABLE REQUIREMENT OF RULE 1134.
[RULE 1134]
15. THE AUXILIARY BURNER (WHEN THE GAS TURBINE IS SHUTDOWN) SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF RULE 1146.
[RULE 1146]
16. FOR THE AUXILIARY BURNER ONLY, THE OPERATOR OR CONTRACTOR IN-CHARGE OF EQUIPMENT OPERATION SHALL PERFORM THE FOLLOWING PROCEDURES:
- PERIODIC TESTING OF NOX AND CO EMISSIONS USING A PORTABLE ANALYZER TAKEN IN ACCORDANCE WITH THE "PROTOCOL FOR THE PERIODIC MONITORING OF NITROGEN OXIDES, CARBON MONOXIDE, AND OXYGEN FROM UNITS SUBJECT TO SOUTH COAST AIR QUALITY

FACILITY PERMIT TO OPERATE LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER

MANAGEMENT DISTRICT RULES 1146 AND 1146.1". EMISSION READINGS SHALL BE TAKEN AT THE EXHAUST OUTLET EVERY MINUTE FOR 15 MINUTES. THE TESTS SHALL BE CONDUCTED WHEN THE UNIT IS OPERATING AT NORMAL CONDITION AND SHALL BE DONE AT LEAST MONTHLY. THE TESTS SHALL BE CONDUCTED BY THE OPERATOR WHO HAS COMPLETED AN AQMD TRAINING PROGRAM AND RECEIVED A CERTIFICATION ISSUED BY THE DISTRICT

IF THE UNIT IS IN COMPLIANCE FOR FOUR CONSECUTIVE REQUIRED EMISSION CHECKS, WITHOUT ANY ADJUSTMENTS TO THE OXYGEN SENSOR SET POINTS, THEN THE UNIT MAY BE CHECKED, UNTIL THERE IS AN EMISSION CHECK INDICATING NONCOMPLIANCE.

MONITORING RECORDS SHALL BE MAINTAINED FOR A ROLLING TWELVE MONTH PERIOD OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

17. FOR THE AUXILIARLY BURNER ONLY, THE OPERATOR SHALL CONDUCT SOURCE TESTING FOR NOX, CO AND O2 (CONCENTRATION IN PPM BY VOLUME, CORRECTED TO 15% O2 ON A DRY BASIS) AT LEAST ONCE EVERY THREE YEARS. ALL EMISSION DETERMINATIONS SHALL BE MADE IN THE AS-FOUND OPERATING CONDITION. TESTING SHALL BE CONDUCTED AT LEAST 250 OPERATING HOURS, OR AT LEAST 30 DAYS SUBSEQUENT TO THE TUNING OR SERVICING OF ANY UNIT, UNLESS IT IS AN UNSCHEDULED REPAIR.

Periodic Monitoring:

18. FOR THE GAS TURBINE, THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT ON AN ANNUAL BASIS WHENEVER THIS EQUIPMENT IS FIRED ON FUEL OIL FOR TRAINING/TESTING PURPOSES; AND AFTER EVERY 400 CUMULATIVE HOURS OF OPERATION ON DIESEL FUEL OR AFTER EVERY TWO MILLION GALLONS OF DIESEL FUEL COMBUSTED, TO BE COUNTED CUMULATIVELY OVER A FIVE YEAR PERIOD. THE INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE HOUR, THE OPERATOR SHALL EITHER:
- A. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN THE SAME FASHION AS DEVIATIONS ARE REQUIRED TO BE REPORTED IN SECTION K OF THIS PERMIT; OR
 - B. HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION", WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATIONS TO AQMD.

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

- A. STACK OR EMISSION POINT IDENTIFICATION;

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LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

- B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;
- C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
- D. VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER.
[RULE 3004 (a)(4)]
19. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE NOX EMISSION LIMIT(S) EITHER BY: (a) CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY FIVE YEARS USING AQMD METHOD 100.1 OR 7.1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 1134 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.
[RULE 3004 (a)(4)]
20. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE CO EMISSION LIMIT(S) EITHER BY: (a) CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY FIVE YEARS USING AQMD METHOD 100.1 OR 7.1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH CONDITION NO. 9 CO LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.
[RULE 3004 (a)(4)]
21. FOR THE WASTE HEAT RECOVERY UNIT, 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 DIESEL FUEL COMBUSTED, 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.

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

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

- A. STACK OR EMISSION POINT IDENTIFICATION;
 - B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;
 - C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
 - D. VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER.
[RULE 3004 (a)(4)]
22. THE OPERATOR SHALL CONDUCT AN ANNUAL TUNE-UP IN ACCORDANCE WITH THE TUNE-UP PROCEDURE OF RULE 1146 WHENEVER THE FUEL OIL CONSUMPTION OF THE BOILER EXCEEDS 1 MILLION GALLONS OR THE BOILER IS FIRED ON FUEL OIL FOR MORE THAN 336 HOURS IN ANY ONE YEAR. THE OPERATOR SHALL KEEP RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS: (A) DATE OF EACH TUNE-UP, (B) THE COMPANY PERFORMING THE TUNE-UP, (C) AND THE TUNE-UP RESULTS.
[RULE 3004 (a)(4)]
23. 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.
[RULE 3004 (a)(4)]

Emissions And Requirements:

24. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- CO: 2000 PPMV, RULE 407
 - SOX: 500 PPMV, RULE 407
 - PM: 0.1 GR/SCF, RULE 409
 - CO: 400 PPMV, RULE 1146
 - NOX: 30 PPMV, RULE 1146
 - NOX: 150 PPMV, 40 CFR 60 SUBPART GG
 - NOX: 150 PPMV, 40 CFR 60 SUBPART GG

**FACILITY PERMIT TO OPERATE
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PERMIT TO OPERATE

**Permit No. TBD
A/N 512458**

Equipment Description:

COGENERATION SYSTEM NO. 2 (TRAIN B) CONSISTING OF:

1. GAS TURBINE NO. 1, DETROIT DIESEL, ALLISON, MODEL NO. 501-KB, SERIAL NO. ASPI015, 39,400,000 BTU PER HOUR, GAS OR OIL FIRED, WITH WATER INJECTION SYSTEM, DRIVING A 2.89 MW ELECTRICAL GENERATOR.
2. WASTE HEAT RECOVERY UNIT, ECO, MODEL NO. 6328-2, WITH AN AUXILIARY BURNER, NORTH AMERICAN, MODEL NO. 6213-20-46, 19,500,000 BTU/HR, NATURAL GAS OR OIL FIRED,
3. FLUE GAS COMPRESSOR NO. 2, 100 H.P.
4. GAS TURBINE STARTING ENGINE NO. 2, DETROIT DIESEL, MODEL NO 4-71, 140 H.P.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL ONLY BE OPERATED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]
4. EMISSIONS OF NITROGEN OXIDES FROM THE COGENERATION GAS TURBINE SHALL NOT EXCEED 25 PPMV, CORRECTED TO 15% OXYGEN, MEASURED ON A DRY BASIS.
[RULE 1134]
5. EMISSIONS OF NITROGEN OXIDES FROM THE SIMULTANEOUS OPERATION OF THE COGENERATION GAS TURBINE AND AUXILIARY BURNER SHALL NOT EXCEED 25 PPMV, CORRECTED TO 15% OXYGEN, MEASURED ON A DRY BASIS.
[RULE 1134]
6. EMISSIONS OF NITROGEN OXIDES FROM THE OPERATION OF THE AUXILIARY BURNER (WHEN THE GAS TURBINE IS SHUTDOWN) SHALL NOT EXCEED 30 PPMV, CORRECTED TO 3% OXYGEN, MEASURED ON A DRY BASIS.
[RULE 1146]

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

7. THE COGENERATION GAS TURBINE SHALL NOT BE OPERATED ABOVE A MAXIMUM POWER OUTPUT OF 2.899 MW.
[RULE 1134]
8. THIS EQUIPMENT SHALL NOT BE FIRED ON FUEL OIL EXCEPT DURING A STATE OF EMERGENCY IN ACCORDANCE WITH PROVISIONS OF RULE 118.
[RULE 118]
9. EMISSIONS FROM THIS COGENERATION SYSTEM SHALL NOT EXCEED:
- | POLLUTANT | CO | NOX | PM10 | ROG | SOX |
|-----------|-----|-----|------|-----|-----|
| LB/DAY | 281 | 131 | 15 | 115 | 1 |
- [RULE 1134]
10. WATER INJECTION SHALL BE USED DURING OPERATION OF THE GAS TURBINE AT ALL TIMES EXCEPT DURING START-UPS. THE MINIMUM WATER-TO-FUEL INJECTION MASS RATIO SHALL BE MAINTAINED AT 0.9 TO 1.0.
[RULE 1134]
11. THE CONTINUOUS MONITORING SYSTEM SHALL MEASURE AND RECORD THE WATER-TO-FUEL INJECTION MASS RATIO AND SHALL BE PROPERLY OPERATED AND MAINTAINED IN CALIBRATION WITH AN ACCURACY TO WITHIN PLUS OR MINUS 5.0 PERCENT.
[RULE 1134]
12. DAILY RECORDS FOR THE TOTAL FUEL USAGE BY TYPE, WATER-TO-FUEL INJECTION MASS RATIO, ELECTRICAL OUTPUT, USEFUL THERMAL OUTPUT, AND OPERATING HOURS OF THE COGENERATION, AND OPERATING DURING RULE 118 EMERGENCIES SHALL BE KEPT AND MAINTAINED ON FILE FOR AT LEAST TWO YEARS AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1134, RULE 118]
13. THIS EQUIPMENT IS SUBJECT TO THE STANDARDS OF PERFORMANCE FOR STATIONARY GAS TURBINES UNDER EPA CFR 40, PART 60, SUBPARTS A AND GG, AND SHALL COMPLY WITH THE NOTIFICATION, RECORD KEEPING AND REPORTING REQUIREMENTS OF SUBPART GG FOR THIS EQUIPMENT PURSUANT TO SECTION 60.7.
[RULE 1134, CFR 40, PART 60, SUBPART GG]
14. THE COGENERATION SYSTEM SHALL COMPLY WITH THE APPLICABLE REQUIREMENT OF RULE 1134.
[RULE 1134]
15. THE AUXILIARY BURNER (WHEN THE GAS TURBINE IS SHUTDOWN) SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF RULE 1146.
[RULE 1146]
16. FOR THE AUXILIARY BURNER ONLY, THE OPERATOR OR CONTRACTOR IN-CHARGE OF EQUIPMENT OPERATION SHALL PERFORM THE FOLLOWING PROCEDURES:
- PERIODIC TESTING OF NOX AND CO EMISSIONS USING A PORTABLE ANALYZER TAKEN IN ACCORDANCE WITH THE "PROTOCOL FOR THE PERIODIC MONITORING OF NITROGEN OXIDES, CARBON MONOXIDE, AND OXYGEN FROM UNITS SUBJECT TO SOUTH COAST AIR QUALITY

FACILITY PERMIT TO OPERATE LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER

MANAGEMENT DISTRICT RULES 1146 AND 1146.1". EMISSION READINGS SHALL BE TAKEN AT THE EXHAUST OUTLET EVERY MINUTE FOR 15 MINUTES. THE TESTS SHALL BE CONDUCTED WHEN THE UNIT IS OPERATING AT NORMAL CONDITION AND SHALL BE DONE AT LEAST MONTHLY. THE TESTS SHALL BE CONDUCTED BY THE OPERATOR WHO HAS COMPLETED AN AQMD TRAINING PROGRAM AND RECEIVED A CERTIFICATION ISSUED BY THE DISTRICT

IF THE UNIT IS IN COMPLIANCE FOR FOUR CONSECUTIVE REQUIRED EMISSION CHECKS, WITHOUT ANY ADJUSTMENTS TO THE OXYGEN SENSOR SET POINTS, THEN THE UNIT MAY BE CHECKED, UNTIL THERE IS AN EMISSION CHECK INDICATING NONCOMPLIANCE.

MONITORING RECORDS SHALL BE MAINTAINED FOR A ROLLING TWELVE MONTH PERIOD OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

17. FOR THE AUXILIARLY BURNER ONLY, THE OPERATOR SHALL CONDUCT SOURCE TESTING FOR NOX, CO AND O2 (CONCENTRATION IN PPM BY VOLUME, CORRECTED TO 15% O2 ON A DRY BASIS) AT LEAST ONCE EVERY THREE YEARS. ALL EMISSION DETERMINATIONS SHALL BE MADE IN THE AS-FOUND OPERATING CONDITION. TESTING SHALL BE CONDUCTED AT LEAST 250 OPERATING HOURS, OR AT LEAST 30 DAYS SUBSEQUENT TO THE TUNING OR SERVICING OF ANY UNIT, UNLESS IT IS AN UNSCHEDULED REPAIR.

Periodic Monitoring:

18. FOR THE GAS TURBINE, THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT ON AN ANNUAL BASIS WHENEVER THIS EQUIPMENT IS FIRED ON FUEL OIL FOR TRAINING/TESTING PURPOSES; AND AFTER EVERY 400 CUMULATIVE HOURS OF OPERATION ON DIESEL FUEL OR AFTER EVERY TWO MILLION GALLONS OF DIESEL FUEL COMBUSTED, TO BE COUNTED CUMULATIVELY OVER A FIVE YEAR PERIOD. THE INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE HOUR, THE OPERATOR SHALL EITHER:
- A. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN THE SAME FASHION AS DEVIATIONS ARE REQUIRED TO BE REPORTED IN SECTION K OF THIS PERMIT; OR
 - B. HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION", WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATIONS TO AQMD.

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

- A. STACK OR EMISSION POINT IDENTIFICATION;

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

- B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;
- C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
- D. VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER.
[RULE 3004 (a)(4)]
19. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE NOX EMISSION LIMIT(S) EITHER BY: (a) CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY FIVE YEARS USING AQMD METHOD 100.1 OR 7.1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 1134 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.
[RULE 3004 (a)(4)]
20. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE CO EMISSION LIMIT(S) EITHER BY: (a) CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY FIVE YEARS USING AQMD METHOD 100.1 OR 7.1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH CONDITION NO. 9 CO LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.
[RULE 3004 (a)(4)]
21. FOR THE WASTE HEAT RECOVERY UNIT, 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 DIESEL FUEL COMBUSTED, 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.

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

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

- A. STACK OR EMISSION POINT IDENTIFICATION;
 - B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;
 - C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
 - D. VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER.
[RULE 3004 (a)(4)]
22. THE OPERATOR SHALL CONDUCT AN ANNUAL TUNE-UP IN ACCORDANCE WITH THE TUNE-UP PROCEDURE OF RULE 1146 WHENEVER THE FUEL OIL CONSUMPTION OF THE BOILER EXCEEDS 1 MILLION GALLONS OR THE BOILER IS FIRED ON FUEL OIL FOR MORE THAN 336 HOURS IN ANY ONE YEAR. THE OPERATOR SHALL KEEP RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS: (A) DATE OF EACH TUNE-UP, (B) THE COMPANY PERFORMING THE TUNE-UP, (C) AND THE TUNE-UP RESULTS.
[RULE 3004 (a)(4)]
23. 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.
[RULE 3004 (a)(4)]

Emissions And Requirements:

24. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- CO: 2000 PPMV, RULE 407
 - SOX: 500 PPMV, RULE 407
 - PM: 0.1 GR/SCF, RULE 409
 - CO: 400 PPMV, RULE 1146
 - NOX: 30 PPMV, RULE 1146
 - NOX: 150 PPMV, 40 CFR 60 SUBPART GG
 - NOX: 150 PPMV, 40 CFR 60 SUBPART GG

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

PERMIT TO OPERATE

**Permit No. F23608
A/N 363086**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, 12 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. 3512 DITA (1000 KW), SERIAL NO. 24Z00912, 1443 BHP, DIESEL-FUELED, DRIVING AN EMERGENCY GENERATOR

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]
4. THE OPERATOR SHALL NOT USE FUEL OIL CONTAINING SULFUR COMPOUNDS IN EXCESS OF 0.05 PERCENT BY WEIGHT.
[RULE 1303 (a)-BACT]
5. THE OPERATOR SHALL NOT USE FUEL OIL CONTAINING SULFUR COMPOUNDS IN EXCESS OF 15 PPM BY WEIGHT.
[RULE 1470]
6. 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.
[RULE 1110.2, RULE 1303 (a), RULE 1304 (a)(4), RULE 1470]
7. OPERATING BEYOND THE 30 HOURS PER YEAR ALLOTTED FOR MAINTENANCE AND TESTING PURPOSES SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1470]

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

8. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1110.2, RULE 1303 (b)(2), RULE 1470]
9. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1304 (a)(4), RULE 1470]
10. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED, DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND SPECIFIC REASON FOR OPERATION AS:
- a. EMERGENCY USE.
 - b. MAINTENANCE AND TESTING.
 - c. OTHER (DESCRIBE THE REASON FOR OPERATING).
 - d. IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION.
[RULE 1303 (b)(2), RULE 1470]
11. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG THE FOLLOWING:
- THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND
- THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.
- THE ENGINE OPERATING LOG SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE CALENDAR YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR REPRESENTATIVE UPON REQUEST.
[RULE 1303 (b)(2)]
12. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO PRODUCTION TIMING AS ESTABLISHED BY CATERPILLAR IN PRODUCT NEWS BULLETIN "REQUIREMENTS TO COMPLY WITH SCAQMD" CERTIFIED EQUIPMENT.
[RULE 1303(a) - BACT]

Emissions and Requirements:

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

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

PERMIT TO OPERATE

**Permit No. F23610
A/N 363087**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, 12 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. 3512 DITA (1100 KW) SERIAL NO. 24ZOO911, 1592 BHP, DIESEL-FUELED, DRIVING AN EMERGENCY GENERATOR.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]
4. THE OPERATOR SHALL NOT USE FUEL OIL CONTAINING SULFUR COMPOUNDS IN EXCESS OF 0.05 PERCENT BY WEIGHT.
[RULE 1303 (a)-BACT]
5. THE OPERATOR SHALL NOT USE FUEL OIL CONTAINING SULFUR COMPOUNDS IN EXCESS OF 15 PPM BY WEIGHT.
[RULE 1470]
6. 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.
[RULE 1110.2, RULE 1303 (a), RULE 1304 (a)(4), RULE 1470]
7. OPERATING BEYOND THE 30 HOURS PER YEAR ALLOTTED FOR MAINTENANCE AND TESTING PURPOSES SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1470]

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

8. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1110.2, RULE 1303 (b)(2), RULE 1470]
9. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1304 (a)(4), RULE 1470]
10. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED, DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND SPECIFIC REASON FOR OPERATION AS:
- a. EMERGENCY USE.
 - b. MAINTENANCE AND TESTING.
 - c. OTHER (DESCRIBE THE REASON FOR OPERATING).
 - d. IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION.
[RULE 1303 (b)(2), RULE 1470]
11. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG THE FOLLOWING:
- THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND
- THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.
- THE ENGINE OPERATING LOG SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE CALENDAR YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR REPRESENTATIVE UPON REQUEST.
[RULE 1303 (b)(2)]
12. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO PRODUCTION TIMING AS ESTABLISHED BY CATERPILLAR IN PRODUCT NEWS BULLETIN "REQUIREMENTS TO COMPLY WITH SCAQMD" CERTIFIED EQUIPMENT.
[RULE 1303(a) – BACT]

Emissions and Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

**FACILITY PERMIT TO OPERATE
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PERMIT TO OPERATE

**Permit No. P18886
A/N G-01385**

Equipment Description:

SPRAY BOOTH, DEVILBISS, DRY FLOOR FILTER TYPE, 8' W. X 7' H X 6' D., WITH A 2 H.P. EXHAUST FAN.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL COMPLY WITH RULES 1107, 1136, AND 1171.
[RULE 1107, RULE 1136, RULE 1171]

Periodic Monitoring:

4. THE OPERATOR SHALL DETERMINE AND RECORD THE PRESSURE DROP ACROSS THE FILTER MEDIA ONCE EVERY WEEK.
[RULE 3004(a)(4)]
5. THE OPERATOR SHALL NOT USE THIS EQUIPMENT UNLESS ALL EXHAUST AIR PASSES THROUGH A FILTER MEDIA AT LEAST 2 INCHES THICK.
[RULE 3004(a)(4)]
6. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE DIFFERENTIAL PRESSURE ACROSS THE FILTER DOES NOT EXCEED 0.25 INCHES WATER COLUMN. TO COMPLY WITH THIS CONDITION THE OPERATOR SHALL INSTALL AND MAINTAIN A PRESSURE GAUGE TO ACCURATELY INDICATE THE DIFFERENTIAL PRESSURE ACROSS THE FILTER. THE OPERATOR SHALL DETERMINE AND RECORD THE PARAMETER BEING MONITORED ONCE EVERY WEEK.
[RULE 3004(a)(4)]
7. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMENTER(S) OR ITEMS:
 - A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
 - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND

FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER

C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.

[RULE 3004(a)(4)]

Emissions and Requirements:

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

VOC: RULE 109

VOC: RULE 1107, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1136, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

PM: RULE 481

VOC: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

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PERMIT TO CONSTRUCT

**Permit No. TBD
A/N 512457**

Equipment Description:

MODIFICATION OF COGENERATION SYSTEM NO. 1 (TRAIN A) CONSISTING OF:

1. GAS TURBINE NO. 1, DETROIT DIESEL, ALLISON, MODEL NO. 501-KB, SERIAL NO. ASPI014, 39,400,000 BTU PER HOUR, GAS OR OIL FIRED, WITH WATER INJECTION SYSTEM, DRIVING A 2.89 MW ELECTRICAL GENERATOR.
2. WASTE HEAT RECOVERY UNIT, ECO, MODEL NO. 6328-2, WITH AN AUXILIARY BURNER, NORTH AMERICAN, MODEL NO. 6213-20-46, 19,500,000 BTU/HR, NATURAL GAS OR OIL FIRED,
3. FLUE GAS COMPRESSOR NO. 1, 100 H.P.
4. GAS TURBINE STARTING ENGINE NO. 1, DETROIT DIESEL, MODEL NO 4-71, 140 H.P.

WITH THE REPLACEMENT OF THE WASTE HEAT RECOVERY UNIT'S AUXILIARY BURNER WITH A:

1. AN AUXILIARY BURNER, AMERICAN COMBUSTION TECHNOLOGIES, MODEL NO. ACT07G-SLE, 19,500,000 BTU/HR, NATURAL GAS FIRED.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL ONLY BE OPERATED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]
4. EMISSIONS OF NITROGEN OXIDES FROM THE COGENERATION GAS TURBINE SHALL NOT EXCEED 25 PPMV, CORRECTED TO 15% OXYGEN, MEASURED ON A DRY BASIS.
[RULE 1134]
5. EMISSIONS OF NITROGEN OXIDES FROM THE SIMULTANEOUS OPERATION OF THE COGENERATION GAS TURBINE AND AUXILIARY BURNER SHALL NOT EXCEED 25 PPMV, CORRECTED TO 15% OXYGEN, MEASURED ON A DRY BASIS.
[RULE 1134]

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

6. EMISSIONS OF NITROGEN OXIDES FROM THE OPERATION OF THE AUXILIARY BURNER (WHEN THE GAS TURBINE IS SHUTDOWN) SHALL NOT EXCEED 9 PPMV, CORRECTED TO 3% OXYGEN, MEASURED ON A DRY BASIS.
[RULE 1146]
7. THE COGENERATION GAS TURBINE SHALL NOT BE OPERATED ABOVE A MAXIMUM POWER OUTPUT OF 2.899 MW.
[RULE 1134]
8. THIS EQUIPMENT SHALL NOT BE FIRED ON FUEL OIL EXCEPT DURING A STATE OF EMERGENCY IN ACCORDANCE WITH PROVISIONS OF RULE 118.
[RULE 118]
9. EMISSIONS FROM THIS COGENERATION SYSTEM SHALL NOT EXCEED:

| POLLUTANT | CO | NOX | PM10 | ROG | SOX |
|-----------|-----|-----|------|-----|-----|
| LB/DAY | 281 | 131 | 15 | 115 | 1 |

[RULE 1134]
10. WATER INJECTION SHALL BE USED DURING OPERATION OF THE GAS TURBINE AT ALL TIMES EXCEPT DURING START-UPS. THE MINIMUM WATER-TO-FUEL INJECTION MASS RATIO SHALL BE MAINTAINED AT 0.9 TO 1.0.
[RULE 1134]
11. THE CONTINUOUS MONITORING SYSTEM SHALL MEASURE AND RECORD THE WATER-TO-FUEL INJECTION MASS RATIO AND SHALL BE PROPERLY OPERATED AND MAINTAINED IN CALIBRATION WITH AN ACCURACY TO WITHIN PLUS OR MINUS 5.0 PERCENT.
[RULE 1134]
12. DAILY RECORDS FOR THE TOTAL FUEL USAGE BY TYPE, WATER-TO-FUEL INJECTION MASS RATIO, ELECTRICAL OUTPUT, USEFUL THERMAL OUTPUT, AND OPERATING HOURS OF THE COGENERATION, AND OPERATING DURING RULE 118 EMERGENCIES SHALL BE KEPT AND MAINTAINED ON FILE FOR AT LEAST TWO YEARS AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1134, RULE 118]
13. THIS EQUIPMENT IS SUBJECT TO THE STANDARDS OF PERFORMANCE FOR STATIONARY GAS TURBINES UNDER EPA CFR 40, PART 60, SUBPARTS A AND GG, AND SHALL COMPLY WITH THE NOTIFICATION, RECORD KEEPING AND REPORTING REQUIREMENTS OF SUBPART GG FOR THIS EQUIPMENT PURSUANT TO SECTION 60.7.
[RULE 1134, CFR 40, PART 60, SUBPART GG]
14. THE COGENERATION SYSTEM SHALL COMPLY WITH THE APPLICABLE REQUIREMENT OF RULE 1134.
[RULE 1134]
15. THE AUXILIARY BURNER (WHEN THE GAS TURBINE IS SHUTDOWN) SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF RULE 1146.
[RULE 1146]

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

16. FOR THE AUXILIARY BURNER ONLY, THE BURNER SHALL NOT FIRE ON LESS THAN 3714 SCF/HR OF NATURAL GAS DURING NORMAL OPERATION, NOT INCLUDING START-UPS AND SHUTDOWNS.
[RULE 1146]
17. FOR THE AUXILIARY BURNER, THE OPERATOR SHALL INSTALL A FLOW METER TO ACCURATELY INDICATE THE FLOW RATE OF THE GAS AND SHALL RECORD THE HOURLY GAS BEING FIRED IN THE BOILER. THE MEASURING DEVICE SHALL CONTINUOUSLY MEASURE THE FLOW RATE AND SHALL BE ACCURATE TO WITHIN PLUS OR MINUS 5 PERCENT AND SHALL BE CALIBRATED ONCE EVERY 12 MONTHS. CALIBRATION RECORDS AND HOURLY FLOW RECORDS SHALL BE KEPT ON SITE AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1146]
18. 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 AFTER INITIAL START-UP.
 - B. THE SOURCE TESTS SHALL BE PERFORMED TO VERIFY COMPLIANCE WITH NOX EMISSION LIMIT SPECIFIED IN CONDITION NO. 6. THE SOURCE TEST SHALL ALSO MEASURE THE CO CONCENTRATION LIMIT.
 - C. THE SOURCE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH SCAQMD METHOD 100.1.
 - D. THE TESTS SHALL BE PERFORMED WHEN THE BOILER IS OPERATING AT MAXIMUM, AVERAGE, AND MINIMUM FIRING RATES AND ALSO WHILE OPERATING UNDER NORMAL CONDITIONS. THE SAMPLING DURATIONS SHALL BE AT LEAST 15 CONSECUTIVE MINUTES FOR EACH MAXIMUM, AVERAGE, MINIMUM, AND NORMAL LOADS.
 - E. TWO COMPLETE COPIES OF SOURCE TEST REPORTS (INCLUDE THE APPLICATION NUMBER AND A COPY OF THE PERMIT IN THE REPORT) SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, ATTN: MARCEL SAULIS, P.O. BOX 4941, DIAMOND BAR, CA 91765). THE RESULTS SHALL BE SUBMITTED WITHIN 30 DAYS AFTER THE SOURCE TEST IS COMPLETED. THE REPORT SHALL INCLUDE, BUT NOT BE LIMITED TO EMISSION RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE BOILER, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATING DATA SHALL ALSO BE INCLUDED FOR EACH FIRING RATE:
 - I. THE EXHAUST FLOW RATES IN ACTURAL CUBIC FEET PER MINUTE (ACFM).
 - II. THE FIRING RATES IN BTU PER HOUR.
 - III. THE OXYGEN CONTENT OF THE EXHAUST GASES IN PERCENT.
 - IV. THE FUEL FLOW RATE.
 - F. A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANTS TO BE MEASURED, AND IN

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TEST.

- G. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES PURSUANT TO RULE 217. [RULE 1146]

Periodic Monitoring:

19. FOR THE GAS TURBINE, THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT ON AN ANNUAL BASIS WHENEVER THIS EQUIPMENT IS FIRED ON FUEL OIL FOR TRAINING/TESTING PURPOSES; AND AFTER EVERY 400 CUMULATIVE HOURS OF OPERATION ON DIESEL FUEL OR AFTER EVERY TWO MILLION GALLONS OF DIESEL FUEL COMBUSTED, TO BE COUNTED CUMULATIVELY OVER A FIVE YEAR PERIOD. THE INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE HOUR, THE OPERATOR SHALL EITHER:
- A. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN THE SAME FASHION AS DEVIATIONS ARE REQUIRED TO BE REPORTED IN SECTION K OF THIS PERMIT; OR
- B. HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION", WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATIONS TO AQMD.

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

- A. STACK OR EMISSION POINT IDENTIFICATION;
- B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;
- C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
- D. VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER. [RULE 3004 (a)(4)]
20. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE NOX EMISSION LIMIT(S) EITHER BY: (a) CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY FIVE YEARS USING AQMD METHOD 100.1 OR 7.1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 1134 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

[RULE 3004 (a)(4)]

21. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE CO EMISSION LIMIT(S) EITHER BY: (a) CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY FIVE YEARS USING AQMD METHOD 100.1 OR 7.1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH CONDITION NO. 9 CO LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.

[RULE 3004 (a)(4)]

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

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

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

[RULE 3004 (a)(4)]

23. THE OPERATOR SHALL CONDUCT AN ANNUAL TUNE-UP IN ACCORDANCE WITH THE TUNE-UP PROCEDURE OF RULE 1146 WHENEVER THE FUEL OIL CONSUMPTION OF THE BOILER EXCEEDS 1 MILLION GALLONS OR THE BOILER IS FIRED ON FUEL OIL FOR MORE THAN 336 HOURS IN ANY ONE YEAR. THE OPERATOR SHALL KEEP RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

RECORDS: (A) DATE OF EACH TUNE-UP, (B) THE COMPANY PERFORMING THE TUNE-UP, (C) AND THE TUNE-UP RESULTS.

[RULE 3004 (a)(4)]

24. 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.
[RULE 3004 (a)(4)]
25. FOR THE AUXILIARY BURNER ONLY, THE OPERATOR OR CONTRACTOR IN-CHARGE OF EQUIPMENT OPERATION SHALL PERFORM THE FOLLOWING PROCEDURES:
- PERIODIC TESTING OF NOX AND CO EMISSIONS USING A PORTABLE ANALYZER TAKEN IN ACCORDANCE WITH THE "PROTOCOL FOR THE PERIODIC MONITORING OF NITROGEN OXIDES, CARBON MONOXIDE, AND OXYGEN FROM UNITS SUBJECT TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULES 1146 AND 1146.1". EMISSION READINGS SHALL BE TAKEN AT THE EXHAUST OUTLET EVERY MINUTE FOR 15 MINUTES. THE TESTS SHALL BE CONDUCTED WHEN THE UNIT IS OPERATING AT NORMAL CONDITION AND SHALL BE DONE AT LEAST MONTHLY OR EVERY 750 UNIT OPERATING HOURS WHICHEVER OCCURS LATER. THE TESTS SHALL BE CONDUCTED BY THE OPERATOR WHO HAS COMPLETED AN AQMD TRAINING PROGRAM AND RECEIVED A CERTIFICATION ISSUED BY THE DISTRICT
- IF THE BOILER IS IN COMPLIANCE FOR THREE CONSECUTIVE REQUIRED EMISSION CHECKS, WITHOUT ANY ADJUSTMENTS TO THE OXYGEN SENSOR SET POINTS, THEN THE UNIT MAY BE CHECKED QUARTERLY OR EVERY 2000 UNIT OPERATING HOURS WHICHEVER OCCURS LATER, UNTIL THERE IS AN EMISSION CHECK INDICATING NONCOMPLIANCE.
- MONITORING RECORDS SHALL BE MAINTAINED FOR A ROLLING TWELVE MONTH PERIOD OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 3004 (a)(4), RULE 1146]
26. FOR THE AUXILIARLY BURNER ONLY, THE OPERATOR SHALL CONDUCT SOURCE TESTING FOR NOX, CO AND O2 (CONCENTRATION IN PPM BY VOLUME, CORRECTED TO 3% O2 ON A DRY BASIS) AT LEAST ONCE EVERY THREE YEARS. ALL EMISSION DETERMINATIONS SHALL BE MADE IN THE AS-FOUND OPERATING CONDITION. TESTING SHALL BE CONDUCTED AT LEAST 250 OPERATING HOURS, OR AT LEAST 30 DAYS SUBSEQUENT TO THE TUNING OR SERVICING OF ANY UNIT, UNLESS IT IS AN UNSCHEDULED REPAIR.
[RULE 3004 (a)(4), RULE 1146]
27. THE COMBUSTION BURNER SHALL BE INSPECTED AND MAINTAINED PER THE MANUFACTURER'S SPECIFICATIONS. RECORDS SHALL BE KEPT ON FILE FOR INSPECTIONS AND MAINTENANCE FOR AT LEAST FIVE YEARS.
[RULE 3004 (a)(4), RULE 1146]

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

Emissions And Requirements:

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

CO: 2000 PPMV, RULE 407
SOX: 500 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409
CO: 400 PPMV, RULE 1146
NOX: 9 PPMV, RULE 1146
NOX: 25 PPMV, RULE 1134
NOX: 150 PPMV, 40 CFR 60 SUBPART GG
SOX: 150 PPMV, 40 CFR 60 SUBPART GG

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

PERMIT TO CONSTRUCT

**Permit No. TBD
A/N 512458**

Equipment Description:

COGENERATION SYSTEM NO. 2 (TRAIN B) CONSISTING OF:

1. GAS TURBINE NO. 1, DETROIT DIESEL, ALLISON, MODEL NO. 501-KB, SERIAL NO. ASPI015, 39,400,000 BTU PER HOUR, GAS OR OIL FIRED, WITH WATER INJECTION SYSTEM, DRIVING A 2.89 MW ELECTRICAL GENERATOR.
2. WASTE HEAT RECOVERY UNIT, ECO, MODEL NO. 6328-2, WITH AN AUXILIARY BURNER, NORTH AMERICAN, MODEL NO. 6213-20-46, 19,500,000 BTU/HR, NATURAL GAS OR OIL FIRED,
3. FLUE GAS COMPRESSOR NO. 2, 100 H.P.
4. GAS TURBINE STARTING ENGINE NO. 2, DETROIT DIESEL, MODEL NO 4-71, 140 H.P.

WITH THE REPLACEMENT OF THE WASTE HEAT RECOVERY UNIT'S AUXILIARY BURNER WITH A:

1. AN AUXILIARY BURNER, AMERICAN COMBUSTION TECHNOLOGIES, MODEL NO. ACT07G-SLE, 19,500,000 BTU/HR, NATURAL GAS FIRED.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL ONLY BE OPERATED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]
4. EMISSIONS OF NITROGEN OXIDES FROM THE COGENERATION GAS TURBINE SHALL NOT EXCEED 25 PPMV, CORRECTED TO 15% OXYGEN, MEASURED ON A DRY BASIS.
[RULE 1134]
5. EMISSIONS OF NITROGEN OXIDES FROM THE SIMULTANEOUS OPERATION OF THE COGENERATION GAS TURBINE AND AUXILIARY BURNER SHALL NOT EXCEED 25 PPMV, CORRECTED TO 15% OXYGEN, MEASURED ON A DRY BASIS.
[RULE 1134]

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

6. EMISSIONS OF NITROGEN OXIDES FROM THE OPERATION OF THE AUXILIARY BURNER (WHEN THE GAS TURBINE IS SHUTDOWN) SHALL NOT EXCEED 9 PPMV, CORRECTED TO 3% OXYGEN, MEASURED ON A DRY BASIS.
[RULE 1146]
7. THE COGENERATION GAS TURBINE SHALL NOT BE OPERATED ABOVE A MAXIMUM POWER OUTPUT OF 2.899 MW.
[RULE 1134]
8. THIS EQUIPMENT SHALL NOT BE FIRED ON FUEL OIL EXCEPT DURING A STATE OF EMERGENCY IN ACCORDANCE WITH PROVISIONS OF RULE 118.
[RULE 118]
9. EMISSIONS FROM THIS COGENERATION SYSTEM SHALL NOT EXCEED:

| POLLUTANT | CO | NOX | PM10 | ROG | SOX |
|-----------|-----|-----|------|-----|-----|
| LB/DAY | 281 | 131 | 15 | 115 | 1 |

[RULE 1134]
10. WATER INJECTION SHALL BE USED DURING OPERATION OF THE GAS TURBINE AT ALL TIMES EXCEPT DURING START-UPS. THE MINIMUM WATER-TO-FUEL INJECTION MASS RATIO SHALL BE MAINTAINED AT 0.9 TO 1.0.
[RULE 1134]
11. THE CONTINUOUS MONITORING SYSTEM SHALL MEASURE AND RECORD THE WATER-TO-FUEL INJECTION MASS RATIO AND SHALL BE PROPERLY OPERATED AND MAINTAINED IN CALIBRATION WITH AN ACCURACY TO WITHIN PLUS OR MINUS 5.0 PERCENT.
[RULE 1134]
12. DAILY RECORDS FOR THE TOTAL FUEL USAGE BY TYPE, WATER-TO-FUEL INJECTION MASS RATIO, ELECTRICAL OUTPUT, USEFUL THERMAL OUTPUT, AND OPERATING HOURS OF THE COGENERATION, AND OPERATING DURING RULE 118 EMERGENCIES SHALL BE KEPT AND MAINTAINED ON FILE FOR AT LEAST TWO YEARS AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1134, RULE 118]
13. THIS EQUIPMENT IS SUBJECT TO THE STANDARDS OF PERFORMANCE FOR STATIONARY GAS TURBINES UNDER EPA CFR 40, PART 60, SUBPARTS A AND GG, AND SHALL COMPLY WITH THE NOTIFICATION, RECORD KEEPING AND REPORTING REQUIREMENTS OF SUBPART GG FOR THIS EQUIPMENT PURSUANT TO SECTION 60.7.
[RULE 1134, CFR 40, PART 60, SUBPART GG]
14. THE COGENERATION SYSTEM SHALL COMPLY WITH THE APPLICABLE REQUIREMENT OF RULE 1134.
[RULE 1134]
15. THE AUXILIARY BURNER (WHEN THE GAS TURBINE IS SHUTDOWN) SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF RULE 1146.
[RULE 1146]

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

16. FOR THE AUXILIARY BURNER ONLY, THE BURNER SHALL NOT FIRE ON LESS THAN 3714 SCF/HR OF NATURAL GAS DURING NORMAL OPERATION, NOT INCLUDING START-UPS AND SHUTDOWNS.
[RULE 1146]
17. FOR THE AUXILIARY BURNER, THE OPERATOR SHALL INSTALL A FLOW METER TO ACCURATELY INDICATE THE FLOW RATE OF THE GAS AND SHALL RECORD THE HOURLY GAS BEING FIRED IN THE BOILER. THE MEASURING DEVICE SHALL CONTINUOUSLY MEASURE THE FLOW RATE AND SHALL BE ACCURATE TO WITHIN PLUS OR MINUS 5 PERCENT AND SHALL BE CALIBRATED ONCE EVERY 12 MONTHS. CALIBRATION RECORDS AND HOURLY FLOW RECORDS SHALL BE KEPT ON SITE AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1146]
18. 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 AFTER INITIAL START-UP.
 - B. THE SOURCE TESTS SHALL BE PERFORMED TO VERIFY COMPLIANCE WITH NOX EMISSION LIMIT SPECIFIED IN CONDITION NO. 6. THE SOURCE TEST SHALL ALSO MEASURE THE CO CONCENTRATION LIMIT.
 - C. THE SOURCE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH SCAQMD METHOD 100.1.
 - D. THE TESTS SHALL BE PERFORMED WHEN THE BOILER IS OPERATING AT MAXIMUM, AVERAGE, AND MINIMUM FIRING RATES AND ALSO WHILE OPERATING UNDER NORMAL CONDITIONS. THE SAMPLING DURATIONS SHALL BE AT LEAST 15 CONSECUTIVE MINUTES FOR EACH MAXIMUM, AVERAGE, MINIMUM, AND NORMAL LOADS.
 - E. TWO COMPLETE COPIES OF SOURCE TEST REPORTS (INCLUDE THE APPLICATION NUMBER AND A COPY OF THE PERMIT IN THE REPORT) SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, ATTN: MARCEL SAULIS, P.O. BOX 4941, DIAMOND BAR, CA 91765). THE RESULTS SHALL BE SUBMITTED WITHIN 30 DAYS AFTER THE SOURCE TEST IS COMPLETED. THE REPORT SHALL INCLUDE, BUT NOT BE LIMITED TO EMISSION RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE BOILER, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATING DATA SHALL ALSO BE INCLUDED FOR EACH FIRING RATE:
 - I. THE EXHAUST FLOW RATES IN ACTURAL CUBIC FEET PER MINUTE (ACFM).
 - II. THE FIRING RATES IN BTU PER HOUR.
 - III. THE OXYGEN CONTENT OF THE EXHAUST GASES IN PERCENT.
 - IV. THE FUEL FLOW RATE.
 - F. A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANTS TO BE MEASURED, AND IN

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TEST.

- G. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES PURSUANT TO RULE 217. [RULE 1146]

Periodic Monitoring:

19. FOR THE GAS TURBINE, THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT ON AN ANNUAL BASIS WHENEVER THIS EQUIPMENT IS FIRED ON FUEL OIL FOR TRAINING/TESTING PURPOSES; AND AFTER EVERY 400 CUMULATIVE HOURS OF OPERATION ON DIESEL FUEL OR AFTER EVERY TWO MILLION GALLONS OF DIESEL FUEL COMBUSTED, TO BE COUNTED CUMULATIVELY OVER A FIVE YEAR PERIOD. THE INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE HOUR, THE OPERATOR SHALL EITHER:
- A. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN THE SAME FASHION AS DEVIATIONS ARE REQUIRED TO BE REPORTED IN SECTION K OF THIS PERMIT; OR
 - B. HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION", WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATIONS TO AQMD.
- IN ADDITION, THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:
- A. STACK OR EMISSION POINT IDENTIFICATION;
 - B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;
 - C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
 - D. VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER.
[RULE 3004 (a)(4)]
20. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE NOX EMISSION LIMIT(S) EITHER BY: (a) CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY FIVE YEARS USING AQMD METHOD 100.1 OR 7.1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 1134 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

[RULE 3004 (a)(4)]

21. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE CO EMISSION LIMIT(S) EITHER BY:
(a) CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY FIVE YEARS USING AQMD METHOD 100.1 OR 7.1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH CONDITION NO. 9 CO LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.

[RULE 3004 (a)(4)]

22. FOR THE WASTE HEAT RECOVERY UNIT, 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 DIESEL FUEL COMBUSTED, TO BE COUNTED CUMULATIVELY OVER A FIVE YEAR PERIOD. THE INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE HOUR, THE OPERATOR SHALL EITHER:

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

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

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

[RULE 3004 (a)(4)]

23. THE OPERATOR SHALL CONDUCT AN ANNUAL TUNE-UP IN ACCORDANCE WITH THE TUNE-UP PROCEDURE OF RULE 1146 WHENEVER THE FUEL OIL CONSUMPTION OF THE BOILER EXCEEDS 1 MILLION GALLONS OR THE BOILER IS FIRED ON FUEL OIL FOR MORE THAN 336 HOURS IN ANY ONE YEAR. THE OPERATOR SHALL KEEP RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

RECORDS: (A) DATE OF EACH TUNE-UP, (B) THE COMPANY PERFORMING THE TUNE-UP, (C) AND THE TUNE-UP RESULTS.
[RULE 3004 (a)(4)]

24. 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.
[RULE 3004 (a)(4)]

25. FOR THE AUXILIARY BURNER ONLY, THE OPERATOR OR CONTRACTOR IN-CHARGE OF EQUIPMENT OPERATION SHALL PERFORM THE FOLLOWING PROCEDURES:

PERIODIC TESTING OF NOX AND CO EMISSIONS USING A PORTABLE ANALYZER TAKEN IN ACCORDANCE WITH THE "PROTOCOL FOR THE PERIODIC MONITORING OF NITROGEN OXIDES, CARBON MONOXIDE, AND OXYGEN FROM UNITS SUBJECT TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULES 1146 AND 1146.1". EMISSION READINGS SHALL BE TAKEN AT THE EXHAUST OUTLET EVERY MINUTE FOR 15 MINUTES. THE TESTS SHALL BE CONDUCTED WHEN THE UNIT IS OPERATING AT NORMAL CONDITION AND SHALL BE DONE AT LEAST MONTHLY OR EVERY 750 UNIT OPERATING HOURS WHICHEVER OCCURS LATER. THE TESTS SHALL BE CONDUCTED BY THE OPERATOR WHO HAS COMPLETED AN AQMD TRAINING PROGRAM AND RECEIVED A CERTIFICATION ISSUED BY THE DISTRICT

IF THE BOILER IS IN COMPLIANCE FOR THREE CONSECUTIVE REQUIRED EMISSION CHECKS, WITHOUT ANY ADJUSTMENTS TO THE OXYGEN SENSOR SET POINTS, THEN THE UNIT MAY BE CHECKED QUARTERLY OR EVERY 2000 UNIT OPERATING HOURS WHICHEVER OCCURS LATER, UNTIL THERE IS AN EMISSION CHECK INDICATING NONCOMPLIANCE.

MONITORING RECORDS SHALL BE MAINTAINED FOR A ROLLING TWELVE MONTH PERIOD OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 3004 (a)(4), RULE 1146]

26. FOR THE AUXILIARLY BURNER ONLY, THE OPERATOR SHALL CONDUCT SOURCE TESTING FOR NOX, CO AND O2 (CONCENTRATION IN PPM BY VOLUME, CORRECTED TO 3% O2 ON A DRY BASIS) AT LEAST ONCE EVERY THREE YEARS. ALL EMISSION DETERMINATIONS SHALL BE MADE IN THE AS-FOUND OPERATING CONDITION. TESTING SHALL BE CONDUCTED AT LEAST 250 OPERATING HOURS, OR AT LEAST 30 DAYS SUBSEQUENT TO THE TUNING OR SERVICING OF ANY UNIT, UNLESS IT IS AN UNSCHEDULED REPAIR.
[RULE 3004 (a)(4), RULE 1146]
27. THE COMBUSTION BURNER SHALL BE INSPECTED AND MAINTAINED PER THE MANUFACTURER'S SPECIFICATIONS. RECORDS SHALL BE KEPT ON FILE FOR INSPECTIONS AND MAINTENANCE FOR AT LEAST FIVE YEARS.
[RULE 3004 (a)(4), RULE 1146]

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

Emissions And Requirements:

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

CO: 2000 PPMV, RULE 407
SOX: 500 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409
CO: 400 PPMV, RULE 1146
NOX: 9 PPMV, RULE 1146
NOX: 25 PPMV, RULE 1134
NOX: 150 PPMV, 40 CFR 60 SUBPART GG
SOX: 150 PPMV, 40 CFR 60 SUBPART GG

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW 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 APPLIED 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 (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:

1. 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
LOS ANGELES CO., OLIVE VIEW 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 REGULATIONS:

REFRIGERANT: RULE 1415
REFRIGERANT: 40 CFR 82 SUBPART F

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, COOLING TOWERS.

Emissions and Requirements:

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

CR¹⁶: RULE 1404

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT.

Emissions and Requirements:

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

HALON: RULE 1418

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

RULE 219 EQUIPMENT

Equipment Description:

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

Emissions and Requirements:

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

REFRIGERANT: RULE 1415
REFRIGERANT: 40 CFR 82 SUBPART F

**FACILITY PERMIT TO OPERATE
LOS ANGELES CO., OLIVE VIEW MEDICAL CENTER**

RULE 219 EQUIPMENT

Equipment Description:

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

Emissions and Requirements:

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

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

FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER

SECTION E: ADMINISTRATIVE CONDITIONS

5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation. [204]
6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to AQMD personnel upon request and be maintained for at least five years. [204]
7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by AQMD rules or permit conditions: [204]
 - a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134]
 - b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
 - c. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes; [204]
 - d. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compounds which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO₂) and be averaged over 15 consecutive minutes; [407]
 - e. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent of carbon dioxide (CO₂) at standard conditions and averaged over a minimum of 15 consecutive minutes. [409]

FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER

SECTION E: ADMINISTRATIVE CONDITIONS

- f. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O₂) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]
8. The operator shall, when a source test is required by AQMD, provide a source test protocol to AQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by AQMD. The test protocol shall contain the following information: [204, 304]
 - a. Brief description of the equipment tested.
 - b. Brief process description, including maximum and normal operating temperatures, pressures, throughput, etc.
 - c. Operating conditions under which the test will be performed.
 - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts and stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
 - e. Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.
 - f. Description of calibration and quality assurance procedures.
 - g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (conflict of interest).
9. The operator shall submit a report no later than 60 days after conducting a source test, unless otherwise required by AQMD rules or equipment-specific conditions. The report shall contain the following information: [204]
 - a. The results of the source test.

FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER

SECTION E: ADMINISTRATIVE CONDITIONS

- b. Brief description of the equipment tested.
 - c. Operating conditions under which the test was performed.
 - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts and stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
 - e. Field and laboratory data forms, strip charts and analyses.
 - f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.
10. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of AQMD Source Test Method 1.1 and 1.2. [217]
11. Whenever required to submit a written report, notification or other submittal to the Executive Officer, AQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, AQMD, 21865 E. Copley Drive, Diamond Bar, CA 91765-4182. [204]

FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER

SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

NOT APPLICABLE

FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER

**SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR
RECLAIM SOURCES**

The Facility shall comply with all applicable reporting and recordkeeping requirements in Regulation XX. These requirements may include but are not limited to the following:

FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER

SECTION I: PLANS AND SCHEDULES

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules.

NONE

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX - Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.

**FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

SECTION J: AIR TOXICS

NOT APPLICABLE

FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER

SECTION K: TITLE V Administration

GENERAL PROVISIONS

1. This permit may be revised, revoked, reopened and reissued, or terminated for cause, or for failure to comply with regulatory requirements, permit terms, or conditions. [3004(a)(7)(C)]
2. This permit does not convey any property rights of any sort or any exclusive privilege. [3004(a)(7)(E)]

Permit Renewal and Expiration

3. (A) Except for solid waste incineration facilities subject to standards under section 129(e) of the Clean Air Act, this permit shall expire five years from the date that this Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]

(B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]
4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

Duty to Provide Information

5. The applicant for, or holder of, a Title V permit shall furnish, pursuant to Rule 3002(d) and (e), timely information and records to the Executive Officer or designee within a reasonable time as specified in writing by the Executive Officer or designee. [3004(a)(7)(F)]

Payment of Fees

6. The operator shall pay all required fees specified in Regulation III - Fees. [3004(a)(7)(G)]

**FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

SECTION K: TITLE V Administration

Reopening for Cause

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:
- (A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.
 - (B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
 - (C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

COMPLIANCE PROVISIONS

8. The operator shall comply with all regulatory requirements, and all permit terms and conditions, except:
- (A) As provided for by the emergency provisions of condition no. 17 or condition no. 18, or
 - (B) As provided by an alternative operating condition granted pursuant to a federally approved (SIP-approved) Rule 518.2.

Any non-compliance with any federally enforceable permit condition constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or denial of a permit renewal application. Non-compliance may also be grounds for civil or criminal penalties under the California State Health and Safety Code. [3004(a)(7)(A)]

FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER

SECTION K: TITLE V Administration

9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:
- (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;
 - (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
 - (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
 - (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]
10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]
11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]
12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]
13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]

**FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

SECTION K: TITLE V Administration

14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]
15. Nothing in this permit or in any permit shield can alter or affect:
- (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;
 - (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;
 - (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;
 - (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;
 - (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and
 - (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]
16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]

FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER

SECTION K: TITLE V Administration
EMERGENCY PROVISIONS

17. An emergency¹ constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limit only if:

(A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:

(1) An emergency occurred and the operator can identify the cause(s) of the emergency;

(2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;

(3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,

(4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and

(B) The operator complies with the breakdown provisions of Rule 430 – Breakdown Provisions, or subdivision (i) of Rule 2004 – Requirements, whichever is applicable. [3002(g), 430, 2004(i)]

18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

¹ "Emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the operator, including acts of God, which: (A) requires immediate corrective action to restore normal operation; and (B) causes the facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency; and (C) is not caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

**FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

**SECTION K: TITLE V Administration
RECORDKEEPING PROVISIONS**

19. In addition to any other recordkeeping requirements specified elsewhere in this permit, the operator shall keep records of required monitoring information, where applicable, that include:
- (A) The date, place as defined in the Title V permit, and time of sampling or measurements;
 - (B) The date(s) analyses were performed;
 - (C) The company or entity that performed the analyses;
 - (D) The analytical techniques or methods used;
 - (E) The results of such analyses; and
 - (F) The operating conditions as existing at the time of sampling or measurement. [3004(a)(4)(B)]
20. The operator shall maintain records pursuant to Rule 109 and any applicable material safety data sheet (MSDS) for any equipment claimed to be exempt from a written permit by Rule 219 based on the information in those records. [219(t)]
21. The operator shall keep all records of monitoring data required by this permit or by regulatory requirements for a period of at least five years from the date of the monitoring sample, measurement, report, or application. [3004(a)(4)(E)]

REPORTING PROVISIONS

22. The operator shall comply with the following requirements for prompt reporting of deviations:
- (A) Breakdowns shall be reported as required by Rule 430 – Breakdown Provisions or subdivision (i) of Rule 2004 - Requirements, whichever is applicable.

FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER

SECTION K: TITLE V Administration

- (B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.
- (C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.
- (D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]
23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]
24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:
- (A) Identification of each permit term or condition that is the basis of the certification;

**FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

SECTION K: TITLE V Administration

- (B) The compliance status during the reporting period;
- (C) Whether compliance was continuous or intermittent;
- (D) The method(s) used to determine compliance over the reporting period and currently, and
- (E) Any other facts specifically required by the Executive Officer to determine compliance.

The EPA copy of the certification shall be sent to: Director of the Air Division Attn:
Air-3 USEPA, Region IX 75 Hawthorne St. San Francisco, CA 94105 [3004(a)(10)(E)]

25. All records, reports, and documents required to be submitted by a Title V operator to AQMD or EPA shall contain a certification of accuracy consistent with Rule 3003(c)(7) by a responsible official (as defined in Rule 3000). [3004(a)(12)]

PERIODIC MONITORING

26. All periodic monitoring required by this permit pursuant to Rule 3004(a)(4)(c) is based on the requirements and justifications in the AQMD document "Periodic Monitoring Guidelines for Title V Facilities" or in case-by-case determinations documented in the TitleV application file. [3004(a)(4)]

FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER

SECTION K: TITLE V Administration

FACILITY RULES

This facility is subject to the following rules and regulations

With the exception of Rule 402, 473, 477, 1118 and Rules 1401 through 1420, the following rules that are designated as non-federally enforceable are pending EPA approval as part of the state implementation plan. Upon the effective date of that approval, the approved rule(s) will become federally enforceable, and any earlier versions of those rules will no longer be federally enforceable.

| RULE SOURCE | Adopted/Amended Date | FEDERAL Enforceability |
|--------------------|-----------------------------|-------------------------------|
| RULE 109 | 5-2-2003 | Federally enforceable |
| RULE 1107 | 1-6-2006 | Non federally enforceable |
| RULE 1107 | 11-9-2001 | Federally enforceable |
| RULE 1110.2 | 6-3-2005 | Non federally enforceable |
| RULE 1113 | 11-8-1996 | Federally enforceable |
| RULE 1113 | 6-3-2011 | Non federally enforceable |
| RULE 1113 | 7-13-2007 | Non federally enforceable |
| RULE 1134 | 8-8-1997 | Federally enforceable |
| RULE 1136 | 6-14-1996 | Federally enforceable |
| RULE 1146 | 11-17-2000 | Federally enforceable |
| RULE 1146 | 5-13-1994 | Federally enforceable |
| RULE 1146.2 | 1-7-2005 | Non federally enforceable |
| RULE 1146.2 | 1-9-1998 | Federally enforceable |
| RULE 1171 | 11-7-2003 | Federally enforceable |
| RULE 1171 | 5-1-2009 | Non federally enforceable |
| RULE 118 | 12-7-1995 | Non federally enforceable |
| RULE 1401 | 12-7-1990 | Non federally enforceable |
| RULE 1404 | 4-6-1990 | Non federally enforceable |
| RULE 1405 | 1-4-1991 | Non federally enforceable |
| RULE 1415 | 10-14-1994 | Non federally enforceable |
| RULE 1418 | 9-10-1999 | Non federally enforceable |
| RULE 1470 | 6-1-2007 | Non federally enforceable |

FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER

SECTION K: TITLE V Administration

| RULE SOURCE | Adopted/Amended Date | FEDERAL Enforceability |
|-------------------------------------|-----------------------------|-------------------------------|
| RULE 204 | 10-8-1993 | Federally enforceable |
| RULE 217 | 1-5-1990 | Federally enforceable |
| RULE 219 | 9-4-1981 | Federally enforceable |
| RULE 2202 | 11-8-1996 | Non federally enforceable |
| RULE 3002 | 11-14-1997 | Federally enforceable |
| RULE 3003 | 11-14-1997 | Federally enforceable |
| RULE 3003 | 3-16-2001 | Non federally enforceable |
| RULE 3004 | 12-12-1997 | Federally enforceable |
| RULE 3004(a)(4)-Periodic Monitoring | 12-12-1997 | Federally enforceable |
| RULE 3005 | 11-14-1997 | Federally enforceable |
| RULE 3005 | 3-16-2001 | Non federally enforceable |
| RULE 3007 | 10-8-1993 | Federally enforceable |
| RULE 304 | 1-14-1982 | Non federally enforceable |
| RULE 401 | 11-9-2001 | Non federally enforceable |
| RULE 401 | 3-2-1984 | Federally enforceable |
| RULE 402 | 5-7-1976 | Non federally enforceable |
| RULE 404 | 2-7-1986 | Federally enforceable |
| RULE 408 | 5-7-1976 | Federally enforceable |
| RULE 429 | 12-21-1990 | Non federally enforceable |
| RULE 430 | 7-12-1996 | Non federally enforceable |
| RULE 431.2 | 5-4-1990 | Federally enforceable |
| RULE 431.2 | 9-15-2000 | Non federally enforceable |
| RULE 481 | 1-11-2002 | Federally enforceable |
| RULE 481 | 5-5-1978 | Federally enforceable |
| RULE 701 | 6-13-1997 | Federally enforceable |
| 40CFR 60 Subpart GG | 7-8-2004 | Federally enforceable |
| 40CFR 82 Subpart F | 5-14-1993 | Federally enforceable |

FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER

**APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN
PERMIT PURSUANT TO RULE 219**

NONE

**FACILITY PERMIT TO OPERATE
 LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1107 01-06-2006]**

Except as otherwise provided in Rule 1107

(1) VOC Content of Coatings

A person shall not apply to metal parts and products subject to the provisions of this rule any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below:

| VOC LIMITS Less Water and Less Exempt Compounds Effective Dates | | | | | | | | |
|---|-----------|--------|---------|--------|---------|--------|---------|--------|
| Coating | Air-Dried | | | | Baked | | | |
| | gm/l | | lb/gal | | gm/l | | lb/gal | |
| | Current | 7/1/07 | Current | 7/1/07 | Current | 7/1/07 | Current | 7/1/07 |
| General One-Component | 275 | 275 | 2.3 | 2.3 | 275 | 275 | 2.3 | 2.3 |
| General Multi-Component | 340 | 340 | 2.8 | 2.8 | 275 | 275 | 2.3 | 2.3 |
| Military Specification | 340 | 340 | 2.8 | 2.8 | 275 | 275 | 2.3 | 2.3 |
| Etching Filler | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| Solar-Absorbent | 420 | 420 | 3.5 | 3.5 | 360 | 360 | 3.0 | 3.0 |
| Heat-Resistant | 420 | 420 | 3.5 | 3.5 | 360 | 360 | 3.0 | 3.0 |
| Extreme High-Gloss | 420 | 340 | 3.5 | 2.8 | 360 | 360 | 3.0 | 3.0 |
| Metallic | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |

**FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1107 01-06-2006]**

| VOC LIMITS Less Water and Less Exempt Compounds Effective Dates, cont. | | | | | | | | |
|--|-----------|--------|---------|--------|---------|--------|---------|--------|
| Coating | Air-Dried | | | | Baked | | | |
| | gm/l | | lb/gal | | gm/l | | lb/gal | |
| | Current | 7/1/07 | Current | 7/1/07 | Current | 7/1/07 | Current | 7/1/07 |
| Extreme Performance | 420 | 420 | 3.5 | 3.5 | 360 | 360 | 3.0 | 3.0 |
| Prefabricated Architectural One-Component | 420 | 275 | 3.5 | 2.3 | 275 | 275 | 2.3 | 2.3 |
| Prefabricated Architectural Multi-Component | 420 | 340 | 3.5 | 2.8 | 275 | 275 | 2.3 | 2.3 |
| Touch Up | 420 | 420 | 3.5 | 3.5 | 360 | 360 | 3.0 | 3.0 |
| Repair | 420 | 420 | 3.5 | 3.5 | 360 | 360 | 3.0 | 3.0 |
| Silicone Release | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| High-Performance Architectural | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| Camouflage | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| Vacuum-Metalizing | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| Mold-Seal | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| High-Temperature | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| Electric-Insulating Varnish | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| Pan Backing | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| Pretreatment Coatings | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |

**FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1107 01-06-2006]**

- (2) A person shall not use VOC-containing materials which have a VOC content of more than 200 grams per liter of material for stripping any coating governed by this rule.

**FACILITY PERMIT TO OPERATE
 LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1107 11-09-2001]**

Except as otherwise provided in Rule 1107

(1) VOC Content of Coatings

A person shall not apply to metal parts and products subject to the provisions of this rule any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below:

| VOC LIMITS Less Water and Less Exempt Compounds Effective Dates | | | | | | | | |
|---|-----------|--------|---------|--------|---------|--------|---------|--------|
| Coating | Air-Dried | | | | Baked | | | |
| | gm/l | | lb/gal | | gm/l | | lb/gal | |
| | Current | 7/1/07 | Current | 7/1/07 | Current | 7/1/07 | Current | 7/1/07 |
| General One-Component | 275 | 275 | 2.3 | 2.3 | 275 | 275 | 2.3 | 2.3 |
| General Multi-Component | 340 | 340 | 2.8 | 2.8 | 275 | 275 | 2.3 | 2.3 |
| Military Specification | 340 | 340 | 2.8 | 2.8 | 275 | 275 | 2.3 | 2.3 |
| Etching Filler | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| Solar-Absorbent | 420 | 420 | 3.5 | 3.5 | 360 | 360 | 3.0 | 3.0 |
| Heat-Resistant | 420 | 420 | 3.5 | 3.5 | 360 | 360 | 3.0 | 3.0 |
| Extreme High-Gloss | 420 | 340 | 3.5 | 2.8 | 360 | 360 | 3.0 | 3.0 |
| Metallic | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |

**FACILITY PERMIT TO OPERATE
 LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1107 11-09-2001]**

Except as otherwise provided in Rule 1107

(1) VOC Content of Coatings

A person shall not apply to metal parts and products subject to the provisions of this rule any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below:

| VOC LIMITS Less Water and Less Exempt Compounds Effective Dates | | | | | | | | |
|---|-----------|--------|---------|--------|---------|--------|---------|--------|
| Coating | Air-Dried | | | | Baked | | | |
| | gm/l | | lb/gal | | gm/l | | lb/gal | |
| | Current | 7/1/07 | Current | 7/1/07 | Current | 7/1/07 | Current | 7/1/07 |
| General One-Component | 275 | 275 | 2.3 | 2.3 | 275 | 275 | 2.3 | 2.3 |
| General Multi-Component | 340 | 340 | 2.8 | 2.8 | 275 | 275 | 2.3 | 2.3 |
| Military Specification | 340 | 340 | 2.8 | 2.8 | 275 | 275 | 2.3 | 2.3 |
| Etching Filler | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| Solar-Absorbent | 420 | 420 | 3.5 | 3.5 | 360 | 360 | 3.0 | 3.0 |
| Heat-Resistant | 420 | 420 | 3.5 | 3.5 | 360 | 360 | 3.0 | 3.0 |
| Extreme High-Gloss | 420 | 340 | 3.5 | 2.8 | 360 | 360 | 3.0 | 3.0 |
| Metallic | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |

**FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1107 11-09-2001]**

| VOC LIMITS | | | | | | | | |
|---|------------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|
| Less Water and Less Exempt Compounds | | | | | | | | |
| Effective Dates, cont. | | | | | | | | |
| Coating | Air-Dried | | | | Baked | | | |
| | gm/l | | lb/gal | | gm/l | | lb/gal | |
| | Current | 7/1/07 | Current | 7/1/07 | Current | 7/1/07 | Current | 7/1/07 |
| Extreme Performance | 420 | 420 | 3.5 | 3.5 | 360 | 360 | 3.0 | 3.0 |
| Prefabricated Architectural One-Component | 420 | 275 | 3.5 | 2.3 | 275 | 275 | 2.3 | 2.3 |
| Prefabricated Architectural Multi-Component | 420 | 340 | 3.5 | 2.8 | 275 | 275 | 2.3 | 2.3 |
| Touch Up | 420 | 420 | 3.5 | 3.5 | 360 | 360 | 3.0 | 3.0 |
| Repair | 420 | 420 | 3.5 | 3.5 | 360 | 360 | 3.0 | 3.0 |
| Silicone Release | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| High-Performance Architectural | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| Camouflage | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| Vacuum-Metalizing | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| Mold-Seal | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| High-Temperature | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| Electric-Insulating Varnish | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| Pan Backing | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| Pretreatment Coatings | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |

- (2) A person shall not use VOC-containing materials which have a VOC content of more than 200 grams per liter of material for stripping any coating governed by this rule.

**FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 11-08-1996]**

- (1) Except as provided in paragraphs (c)(2), (c)(3), and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, or solicit the application of, any architectural coating which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, or manufacture, blend, or repackage such a coating for use within the District.
- (2) Except as provided in paragraphs (c)(3) and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, solicit the application of, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified.

TABLE OF STANDARDS

VOC LIMITS

**Grams of VOC Per Liter of Coating,
Less Water And Less Exempt Compounds**

| COATING | Limit* | Effective Date of Adoption | Effective 1/1/1998 | Effective 1/1/1999 | Effective 7/1/2001 | Effective 1/1/2005 | Effective 7/1/2008 |
|---------------------------------|--------|----------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Bond Breakers | 350 | | | | | | |
| Clear Wood Finishes | | | | | | | |
| Varnish | 350 | | | | | | |
| Sanding Sealers | 350 | | | | | | |
| Lacquer | 680 | | 550 | | | 275 | |
| Concrete-Curing Compounds | 350 | | | | | | |
| Dry-Fog Coatings | 400 | | | | | | |
| Fire-proofing Exterior Coatings | 350 | 450 | | 350 | | | |
| Fire-Retardant Coatings | | | | | | | |
| Clear | 650 | | | | | | |
| Pigmented | 350 | | | | | | |
| Flats | 250 | | | | 100 | | |
| Graphic Arts (Sign) Coatings | 500 | | | | | | 50 |

**FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 11-08-1996]**

| | | | | | | |
|-----------------------------|-----|-----|-----|-----|--|-----|
| Industrial Maintenance | | | | | | |
| Primers and Topcoats | | | | | | |
| Alkyds | 420 | | | | | |
| Catalyzed Epoxy | 420 | | | | | |
| Bituminous Coatings | 420 | | | | | |
| Materials | | | | | | |
| Inorganic Polymers | 420 | | | | | |
| Vinyl Chloride Polymers | 420 | | | | | |
| Chlorinated Rubber | 420 | | | | | |
| Acrylic Polymers | 420 | | | | | |
| Urethane Polymers | 420 | | | | | |
| Silicones | 420 | | | | | |
| Unique Vehicles | 420 | | | | | |
| Japans/Faux Finishing | 350 | 700 | | 350 | | |
| Coatings | | | | | | |
| Magnesite Cement Coatings | 600 | | | 450 | | |
| Mastic Coatings | 300 | | | | | |
| Metallic Pigmented Coatings | 500 | | | | | |
| Multi-Color Coatings | 420 | | 250 | | | |
| Pigmented Lacquer | 680 | | 550 | | | 275 |
| Pre-Treatment Wash Primers | 780 | | | | | |
| Primers, Sealers, and | 350 | | | | | |
| Undercoaters | | | | | | |
| Quick-Dry Enamels | 400 | | | | | |
| Roof Coatings | 300 | | | | | |
| Shellac | | | | | | |
| Clear | 730 | | | | | |
| Pigmented | 550 | | | | | |
| Stains | 350 | | | | | |
| Swimming Pool Coatings | | | | | | |
| Repair | 650 | | | | | |
| Other | 340 | | | | | |
| Traffic Coatings | 250 | | 150 | | | |
| Waterproofing Sealers | 400 | | | | | |
| Wood Preservatives | | | | | | |
| Below-Ground | 350 | | | | | |
| Other | 350 | | | | | |

* The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards

TABLE OF STANDARDS (cont.)

VOC LIMITS

Grams of VOC Per Liter of Material

| COATING | Limit |
|--------------------|-------|
| Low-Solids Coating | 120 |

**FACILITY PERMIT TO OPERATE
LA CO.. OLIVE VIEW/UCLA MEDICAL CENTER**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 06-03-2011]**

- (1) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6) of Rule 1113, no person shall supply, sell, offer for sale, market, manufacture, blend, repackage, apply, store at a worksite, or solicit the application of any architectural coating within the District:
 - (A) That is listed in the Table of Standards 1 and contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified; or
 - (B) That is not listed in the Table of Standards 1, and contains VOC (excluding any colorant added to tint bases) in excess of 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, until January 1, 2014, at which time the limit drops to 50 grams of VOC per liter of coating, less water, less exempt compounds (0.42 pounds per gallon).
- (2) No person within the District shall add colorant at the point of sale that is listed in the Table of Standards 2 and contains VOC in excess of the corresponding VOC limit specified in the Table of Standards 2, after the effective date specified.

**FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 06-03-2011]**

**TABLE OF STANDARDS 1
VOC LIMITS**

**Grams of VOC Per Liter of Coating,
Less Water and Less Exempt Compounds**

| COATING CATEGORY | Ceiling Limit ¹ | Current Limit ² | Effective Date | | |
|--|----------------------------|----------------------------|----------------|--------|--------|
| | | | 7/1/09 | 1/1/12 | 1/1/14 |
| Bond Breakers | | 350 | | | |
| Clear Wood Finishes | | 275 | | | |
| Varnish | 350 | 275 | | | |
| Sanding Sealers | 350 | 275 | | | |
| Lacquer | | 275 | | | |
| Concrete-Curing Compounds | | 100 | | | |
| Concrete-Curing Compounds For Roadways and Bridges ³ | | 350 | | | |
| Concrete Surface Retarder | | 250 | | | 50 |
| Driveway Sealer | | 100 | | 50 | |
| Dry-Fog Coatings | | 150 | | | 50 |
| Faux Finishing Coatings | | | | | |
| Clear Topcoat | | 350 | | 200 | |
| Decorative Coatings | | 350 | | | 100 |
| Glazes | | 350 | | | |
| Japan | | 350 | | | |
| Trowel Applied Coatings | | 350 | | 150 | 50 |
| Fire-Proofing Coatings | | 350 | | | 150 |
| Flats | 250 | 50 | 50 | | |
| Floor Coatings | 100 | 50 | | | |
| Form Release Compound | | 250 | | | 100 |
| Graphic Arts (Sign) Coatings | | 500 | | | 150 |
| Industrial Maintenance (IM) Coatings | 420 | 100 | | | |
| High Temperature IM Coatings | | 420 | | | |
| Non-Sacrificial Anti-Graffiti Coatings | | 100 | | | |
| Zinc-Rich IM Primers | 340 | 100 | | | |
| Magnesite Cement Coatings | | 450 | | | |
| Mastic Coatings | | 300 | | | 100 |
| Metallic Pigmented Coatings | 500 | 500 | | | 150 |
| Multi-Color Coatings | | 250 | | | |
| Nonflat Coatings | 150 | 50 | | | |
| Pre-Treatment Wash Primers | | 420 | | | |
| Primers, Sealers, and Undercoaters | 200 | 100 | | | |
| Reactive Penetrating Sealers | | 350 | | | |
| Recycled Coatings | | 250 | | | |
| Roof Coatings | 250 | 50 | | | |
| Roof Coatings, Aluminum | | 100 | | | |

**FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 06-03-2011]**

| | | | | |
|------------------------------------|-----|-----|----|--|
| Roof Primers, Bituminous | 350 | 350 | | |
| Rust Preventative Coatings | 400 | 100 | | |
| Stone Consolidant | | 450 | | |
| Sacrificial Anti-Graffiti Coatings | | 100 | 50 | |
| Shellac | | | | |
| Clear | | 730 | | |
| Pigmented | | 550 | | |
| Specialty Primers | 350 | 100 | | |
| Stains | | 100 | | |

**FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 06-03-2011]**

| COATING CATEGORY | Ceiling Limit ¹ | Current Limit ² | Effective Date | | |
|--|----------------------------|----------------------------|----------------|--------|--------|
| | | | 7/1/08 | 1/1/12 | 1/1/14 |
| Stains, Interior | 250 | 250 | | | |
| Swimming Pool Coatings | | | | | |
| Repair | | 340 | | | |
| Other | | 340 | | | |
| Traffic Coatings | | 100 | | | |
| Waterproofing Sealers | 250 | 100 | | | |
| Waterproofing Concrete/Masonry Sealers | 400 | 100 | | | |
| Wood Preservatives | | 350 | | | |

1. The specified ceiling limits are applicable to products sold under the Averaging Compliance Option.
2. The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.
3. Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

**TABLE OF STANDARDS 1 (cont.)
VOC LIMITS**

Grams of VOC Per Liter of Material

| COATING | Limit |
|--------------------|-------|
| Low-Solids Coating | 120 |

**TABLE OF STANDARDS 2
VOC LIMITS FOR COLORANTS**

**Grams of VOC Per Liter of Colorant
Less Water and Less Exempt Compounds**

| COLORANT | Limit ⁴ |
|---|--------------------|
| Architectural Coatings, excluding IM Coatings | 50 |
| Solvent-Based IM | 600 |
| Waterborne IM | 50 |

4. Effective January 1, 2014.

**FACILITY PERMIT TO OPERATE
 LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1136 06-14-1996]**

Except as otherwise provided in Rule 1136

- (a) The operator shall not apply any coating to a wood product which has a VOC content, including any VOC-containing material added to the original coating supplied by the manufacturer, which exceeds the applicable limit specified below:

(1)

| <u>COATING</u> | <u>VOC LIMITS</u> | | |
|--|--|------------------|--|
| | Grams Per Liter (lb/gal) of Coating, [lbs VOC/lb of solids], Less Water and Less Exempt Compounds | | |
| | <u>Current Limit</u> | | <u>On and After</u> <u>7/1/2005</u> |
| | <u>I</u> | <u>or</u> | <u>II</u> |
| Clear Sealers | 550 (4.6) [1.39] | 680 (5.7) [3.36] | 275 (2.3) [0.36] |
| Clear Topcoat | 550 (4.6) [1.37] | 275 (2.3) [0.35] | 275 (2.3) [0.35] |
| Pigmented Primers, Sealers & Undercoats | 550 (4.6) [1.06] | 600 (5.0) [1.08] | 275 (2.3) [0.21] |
| Pigmented Topcoats | 550 (4.6) [1.10] | 275 (2.3) [0.25] | 275 (2.3) [0.25] |

The operator shall use coatings on a wood product that comply with either all VOC limits in column I or all VOC limits in column II. The operator that applies a primer, sealer or undercoat, but not a topcoat, to a wood product, shall be subject to column I for that wood product.

- (2) Notwithstanding the requirements of clause (a)(1), an operator that applies a topcoat and a primer, sealer or undercoat to a shutter may, until July 1, 2005, choose to comply with the VOC limits specified below for that shutter:

**FACILITY PERMIT TO OPERATE
 LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1136 06-14-1996]**

VOC LIMITS

Grams Per Liter, (lb/gal) of Coating, [lbs VOC/lb of solids],
Less Water and Less Exempt Compounds

COATING

| | |
|--|------------------|
| Clear Sealers | 275 (2.3) [0.36] |
| Clear Topcoat | 680 (5.7) [2.99] |
| Pigmented Primers, Sealers & Undercoats | 275 (2.3) [0.33] |
| Pigmented Topcoats | 600 (5.0) [1.38] |

(3)

VOC LIMITS

Grams Per Liter, (lb/gal) of Coating, [lbs VOC/lb of solids],
Less Water and Less Exempt Compounds

| <u>COATING</u> | <u>Current Limit</u> | <u>On and After 7/1/2005</u> |
|-----------------------------------|-----------------------------|---|
| Barrier Coat - Plastic Components | 760 (6.3) [3.9] | 275 (2.3) [0.28] |
| Composite Wood Edge Filler | 550 (4.6) [1.15] | 275 (2.3) [0.31] |
| Extreme Performance Coatings | 420 (3.5) [0.51] | 275 (2.3) [0.33] |
| Fillers | 500 (4.2) [0.66] | 275 (2.3) [0.18] |
| High-Solid Stains | 550 (4.6) [1.23] | 350 (2.9) [0.42] |
| Inks | 500 (4.2) [0.96] | 500 (4.2) [0.96] |
| Mold-Seal Coatings | 750 (6.3) [4.2] | 750 (6.3) [4.2] |
| Multi-Colored Coatings | 685 (5.7) [2.6] | 275 (2.3) [0.33] |

VOC LIMITS

Grams Per Liter (lb/gal) of Material

| <u>COATING</u> | <u>Current Limit</u> | <u>On and After 7/1/2005</u> |
|---|-----------------------------|---|
| Low-Solids Barrier Coat - Plastic Components | 760 (6.3) | 120 (1.0) |
| Low-Solid Stains, Toners, and Washcoats | 480 (4.0) | 120 (1.0) |

**FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1136 06-14-1996]**

Any coating subject to this rule that meets any of the three VOC limit formats (grams per liter, lb/gal, or lbs VOC/lb of solids) is in compliance with this subparagraph.

- (4) The VOC limit for japan coatings is 700 grams per liter of coatings, less water and exempt compounds, as applied.
- (b) A person shall not use a stripper on wood products unless:
- (1) it contains less than 350 grams of VOC per liter of material; or
 - (2) the VOC composite vapor pressure is 2 mm Hg (0.04 psia) or less at 20°C (68°F).

**FACILITY PERMIT TO OPERATE
 LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1171 11-07-2003]**

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

| SOLVENT CLEANING ACTIVITY | CURRENT LIMITS |
|--|------------------------|
| | VOC g/l (lb/gal) |
| (A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application | |
| (i) General | 25 (0.21) |
| (ii) Electrical Apparatus Components & Electronic Components | 500 (4.2) |
| (iii) Medical Devices & Pharmaceuticals | 800 (6.7) |
| (B) Repair and Maintenance Cleaning | |
| (i) General | 25 (0.21) |
| (ii) Electrical Apparatus Components & Electronic Components | 900 (7.5) |

**FACILITY PERMIT TO OPERATE
 LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1171 11-07-2003]**

| SOLVENT CLEANING ACTIVITY | CURRENT LIMITS |
|---|------------------------|
| | VOC g/l (lb/gal) |
| (iii) Medical Devices & Pharmaceuticals | |
| (A) Tools, Equipment, & Machinery | 800 (6.7) |
| (B) General Work Surfaces | 600 (5.0) |
| (C) Cleaning of Coatings or Adhesives Application Equipment | 550 (4.6) |
| (D) Cleaning of Ink Application Equipment | |
| (i) General | 25 (0.21) |
| (ii) Flexographic Printing | 25 (0.21) |
| (iii) Gravure Printing | |
| (A) Publication | 750 (6.3) |
| (B) Packaging | 25 (0.21) |
| (iv) Lithographic or Letter Press Printing | |

**FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 11-07-2003]**

| SOLVENT CLEANING ACTIVITY | CURRENT LIMITS |
|---|------------------------|
| | VOC g/l (lb/gal) |
| (A) Roller Wash – Step 1 | 600 (5.0) |
| (B) Roller Wash-Step 2, Blanket Wash, & On-Press Components | 800 (6.7) |
| (C) Removable Press Components | 25 (0.21) |
| (v) Screen Printing | 750 (6.3) |
| (vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing) | 800 (6.7) |
| (vii) Specialty Flexographic Printing | 600 (5.0) |
| (E) Cleaning of Polyester Resin Application Equipment | 25 (0.21) |

**FACILITY PERMIT TO OPERATE
 LA CO.. OLIVE VIEW/UCLA MEDICAL CENTER**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1171 05-01-2009]**

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

| | CURRENT LIMITS* | EFFECTIVE 1/1/2010 |
|---|---------------------------------|---------------------------------|
| SOLVENT CLEANING ACTIVITY | VOC g/l (lb/gal) | VOC g/l (lb/gal) |
| (A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application | | |
| (i) General | 25 (0.21) | |
| (ii) Electrical Apparatus Components & Electronic Components | 100 (0.83) | |
| (iii) Medical Devices & Pharmaceuticals | 800 (6.7) | |
| (B) Repair and Maintenance Cleaning | | |
| (i) General | 25 (0.21) | |
| (ii) Electrical Apparatus Components & Electronic Components | 100 (0.83) | |

**FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 05-01-2009]**

| | CURRENT LIMITS* | EFFECTIVE 1/1/2010 |
|---|---------------------------------|---------------------------------|
| SOLVENT CLEANING ACTIVITY (cont.) | VOC g/l (lb/gal) | VOC g/l (lb/gal) |
| (iii) Medical Devices & Pharmaceuticals | | |
| (A) Tools, Equipment, & Machinery | 800 (6.7) | |
| (B) General Work Surfaces | 600 (5.0) | |
| (C) Cleaning of Coatings or Adhesives Application Equipment | 25 (0.21) | |
| (D) Cleaning of Ink Application Equipment | | |
| (i) General | 25 (0.21) | |
| (ii) Flexographic Printing | 25 (0.21) | |
| (iii) Gravure Printing | | |
| (A) Publication | 100 (0.83) | |
| (B) Packaging | 25 (0.21) | |
| (iv) Lithographic (Offset) or Letter Press Printing | | |
| (A) Roller Wash, Blanket Wash, & On-Press Components | 100 (0.83) | |

**FACILITY PERMIT TO OPERATE
LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 05-01-2009]**

| | CURRENT LIMITS* | EFFECTIVE 1/1/2010 |
|--|---------------------------------|---------------------------------|
| SOLVENT CLEANING ACTIVITY (cont.) | VOC g/l (lb/gal) | VOC g/l (lb/gal) |
| (B) Removable Press Components | 25 (0.21) | |
| (v) Screen Printing | 100 (0.83) | |
| (vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing) | 650 (5.4) | 100 (0.83) |
| (vii) Specialty Flexographic Printing | 100 (0.83) | |
| (E) Cleaning of Polyester Resin Application Equipment | 25 (0.21) | |

* The specified limits remain in effect unless revised limits are listed in subsequent columns.

**FACILITY PERMIT TO OPERATE
 LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 404 02-07-1986]**

The operator shall not discharge into the atmosphere from this equipment, particulate matter in excess of the concentration at standard conditions, shown in Table 404(a). Where the volume discharged is between figures listed in the Table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

TABLE 404(a)

| Volume Discharged Calculated as Dry Gas At Standard Conditions | | Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions | | Volume Discharged Calculated as Dry Gas At Standard Conditions | | Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions | |
|--|-----------------------|--|-----------------------|--|-----------------------|--|-----------------------|
| Cubic meters Per Minute | Cubic feet Per Minute | Milligrams per Cubic Meter | Grains per Cubic Foot | Cubic meters Per Minute | Cubic feet Per Minute | Milligrams per Cubic Meter | Grains per Cubic Foot |
| 25 or less | 883 or less | 450 | 0.196 | 900 | 31780 | 118 | 0.0515 |
| 30 | 1059 | 420 | .183 | 1000 | 35310 | 113 | .0493 |
| 35 | 1236 | 397 | .173 | 1100 | 38850 | 109 | .0476 |
| 40 | 1413 | 377 | .165 | 1200 | 42380 | 106 | .0463 |
| 45 | 1589 | 361 | .158 | 1300 | 45910 | 102 | .0445 |

**FACILITY PERMIT TO OPERATE
 LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 404 02-07-1986]**

| Volume Discharged Calculated as Dry Gas At Standard Conditions | | Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions | | Volume Discharged Calculated as Dry Gas At Standard Conditions | | Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions | |
|--|--------------------------------|--|--------------------------|--|--------------------------------|---|-----------------------------|
| Cubic meters Per Minute | Cubic feet Per Minute | Milligrams per Cubic Meter | Grains per Cubic Foot | Cubic meters Per Minute | Cubic feet Per Minute | Milligrams per Cubic Meter | Grains per Cubic Foot |
| 50 | 1766 | 347 | .152 | 1400 | 49440 | 100 | .0437 |
| 60 | 2119 | 324 | .141 | 1500 | 52970 | 97 | .0424 |
| 70 | 2472 | 306 | .134 | 1750 | 61800 | 92 | .0402 |
| 80 | 2825 | 291 | .127 | 2000 | 70630 | 87 | .0380 |
| 90 | 3178 | 279 | .122 | 2250 | 79460 | 83 | .0362 |
| 100 | 3531 | 267 | .117 | 2500 | 88290 | 80 | .0349 |
| 125 | 4414 | 246 | .107 | 3000 | 105900 | 75 | .0327 |
| 150 | 5297 | 230 | .100 | 4000 | 141300 | 67 | .0293 |
| 175 | 6180 | 217 | .0947 | 5000 | 176600 | 62 | .0271 |
| 200 | 7063 | 206 | .0900 | 6000 | 211900 | 58 | .0253 |
| 250 | 8829 | 190 | .0830 | 8000 | 282500 | 52 | .0227 |
| 300 | 10590 | 177 | .0773 | 10000 | 353100 | 48 | .0210 |
| 350 | 12360 | 167 | .0730 | 15000 | 529700 | 41 | .0179 |
| 400 | 14130 | 159 | .0694 | 20000 | 706300 | 37 | .0162 |
| 450 | 15890 | 152 | .0664 | 25000 | 882900 | 34 | .0148 |

**FACILITY PERMIT TO OPERATE
 LA CO., OLIVE VIEW/UCLA MEDICAL CENTER**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 404 02-07-1986]**

| Volume Discharged Calculated as Dry Gas At Standard Conditions | | Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions | | Volume Discharged Calculated as Dry Gas At Standard Conditions | | Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions | |
|--|--------------------------------|--|--------------------------|--|--------------------------------|---|-----------------------------|
| | | Milligrams per Cubic Meter | Grains per Cubic Foot | | | Milligrams per Cubic Meter | Grains per Cubic Foot |
| Cubic meters Per Minute | Cubic feet Per Minute | | | Cubic meters Per Minute | Cubic feet Per Minute | | |
| 500 | 17660 | 146 | .0637 | 30000 | 1059000 | 32 | .0140 |
| 600 | 21190 | 137 | .0598 | 40000 | 1413000 | 28 | .0122 |
| 700 | 24720 | 129 | .0563 | 50000 | 1766000 | 26 | .0114 |
| 800 | 28250 | 123 | .0537 | 70000 or more | 2472000 or more | 23 | .0100 |