



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178

(909) 396-2000 • www.aqmd.gov

May 26, 2009

Henry Cairus
Loma Linda University
25027 Mound Street
Loma Linda, CA 92354

SUBJECT: Loma Linda University, ID#800234
Title V de minimis significant revision, Non-RECLAIM, Proposed Modification

Dear Mr. Cairus:

The enclosed revised Title V Facility Permit for equipment located at 10935 Parkland Avenue, Loma Linda, CA 92354, reflects the requested modifications to the gasoline transfer and storage operation. The equipment and revised conditions are included in Section D of the permit.

Please review the permit carefully. Insert the enclosed sections into your Title V Permit and discard the earlier versions. Questions concerning changes to your permit should be directed to Mr. Marcel Saulis at (909) 396-3093.

Sincerely,

Michael D. Mills

Michael D. Mills
Senior Manager
General Commercial and Energy Team
Engineering and Compliance

Attachment

cc: Gerardo Rios, EPA (with attachment)



**FACILITY PERMIT TO OPERATE
LOMA LINDA UNIV**

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Facility Equipment and Requirements
(Section D)

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



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PERMITTED EQUIPMENT LIST

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

Application number	Permit to Operate number	Equipment description
10158B	10158B	INCIN M-C RETORT NON-HAZ 500-749 LB/HR
139146	D03504	INCIN PATHOLOGICAL 51-100 LB/HR
144646	M56895	I C E (51-500 HP) EM ELEC GEN-DIESEL
176594	D09075	I C E (51-500 HP) EM ELEC GEN-DIESEL
274517	D79812	ETHYLENE OXIDE STERILIZATION HOSPITAL
274518	D80060	ETHYLENE OXIDE STERILIZATION HOSPITAL
274520	D79813	ETHYLENE OXIDE STERILIZATION CTL (HOSP)
274769	D71177	I C E (51-500 HP) EM FLOOD CTL-DIESEL
277677	D71638	I C E (>500 HP) EM ELEC GEN DIESEL
277678	D71639	I C E (>500 HP) EM ELEC GEN DIESEL
334804	F10748	I C E (>500 HP) EM ELEC GEN DIESEL
334805	F10749	I C E (>500 HP) EM ELEC GEN DIESEL
435937	F73156	I C E (51-500 HP) EM ELEC GEN-DIESEL
495540	N24724	SERV STAT STORAGE & DISPENSING GASOLINE
456510	F81875	I C E (51-500 HP) EM ELEC GEN DIESEL
459899	F95797	BOILER (>20-50 MMBTU/HR) COMB GAS-DISTIL
480391	F99255	TURBINE ENGINE ≤ 50 MW NAT GAS - DIST
480393	F99256	TURBINE ENGINE ≤ 50 MW NAT GAS - DIST

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



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FACILITY WIDE CONDITION(S)

Condition(s):

1. EXCEPT FOR OPEN ABRASIVE BLASTING OPERATIONS, THE OPERATOR SHALL NOT DISCHARGE INTO THE ATMOSPHERE FROM ANY SINGLE SOURCE OF EMISSIONS WHATSOEVER ANY AIR CONTAMINANT FOR A PERIOD OR PERIODS AGGREGATING MORE THAN THREE MINUTES IN ANY ONE HOUR WHICH IS:
 - A. AS DARK OR DARKER IN SHADE AS THAT DESIGNATED NO. 1 ON THE RINGELMANN CHART, AS PUBLISHED BY THE UNITED STATES BUREAU OF MINES; OR
 - B. OF SUCH OPACITY AS TO OBSCURE AN OBSERVER'S VIEW TO A DEGREE EQUAL TO OR GREATER THAN DOES SMOKE DESCRIBED IN SUBPARAGRAPH (A) OF THIS CONDITION.
[RULE 401]

2. THE OPERATOR SHALL NOT USE 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, RULE 1470]



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**Permit No. 10158B
A/N 10158B**

Equipment Description:

CREMATORY, METTLER CO., MULTIPLE CHAMBER RETORT TYPE, MODEL NO. 98F2-C, WITH A 1,500,000 BTU/HR NATURAL GAS-FIRED CREMATION BURNER AND 12 SQ. FT. GRATE AREA.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS CREMATORY SHALL BE OPERATED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]
4. THIS EQUIPMENT SHALL BE USED ONLY TO CREMATE HUMAN ANATOMICAL PARTS OR WHOLE BODIES.
[RULE 1303 (b)(2)-OFFSET]
5. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO VERIFY THE MONTHLY NUMBER OF CORPSES CREMATED IN A MANNER APPROVED BY THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. SUCH RECORDS SHALL BE RETAINED FOR A PERIOD OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303 (b)(2)-OFFSET]

Periodic Monitoring:

6. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON A MONTHLY BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE MONTHLY PERIOD. THE ROUTINE MONTHLY 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. VERIFY AND CERTIFY WITHIN 24 HOURS THAT THE EQUIPMENT CAUSING THE EMISSION AND ANY ASSOCIATED AIR POLLUTION CONTROL EQUIPMENT ARE OPERATING NORMALLY ACCORDING TO THEIR DESIGN AND STANDARD PROCEDURES AND UNDER



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- THE SAME CONDITIONS UNDER WHICH COMPLIANCE WAS ACHIEVED IN THE PAST;
- B. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT; OR
 - C. 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.

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

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

Emissions And Requirements:

- 7. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
 - PM: 0.1 GR/SCF RULE 473
 - CO: 2000 PPMV, RULE 407
 - SOX: 500 PPMV, RULE 407
 - PM: 0.1 GR/SCF, RULE 409
 - PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS



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**Permit No. D03504
A/N 139146**

Equipment Description:

INCINERATOR, PATHOLOGICAL AND HOSPITAL WASTES, MULTIPLE CHAMBER, ECO LAIRE E.C.P. INC., MODEL 100 PWI, 100 POUNDS PER HOUR CAPACITY, 6' DIA X 8' H (PRIMARY CHAMBER), 4'-6" DIA X 8' L, SECONDARY CHAMBER WITH TWO 800,000 BTU/HR PRIMARY GAS BURNERS WITH A 1.3 HP UNDERFIRE BLOWER AND A 1,200,000 BTU PER HOUR SECONDARY GAS BURNER WITH A 3 HP BLOWER.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE TOTAL QUANTITY OF MATERIAL CHARGED TO THIS INCINERATOR SHALL NOT EXCEED 100 POUNDS PER HOUR OR 800 POUNDS PER DAY.
[RULE 1303(b)(2)-OFFSET]
4. A TEMPERATURE OF NOT LESS THAN 2000 DEGREES F SHALL BE MAINTAINED IN THE AFTERBURNER CHAMBER WHEN THE INCINERATOR IS IN OPERATION.
[RULE 1406]
5. COMPLETE RECORDS OF THE AMOUNT OF MATERIAL PROCESSED PER DAY IN THIS INCINERATOR SHALL BE MAINTAINED IN A FORM APPROVED IN WRITING BY THE EXECUTIVE OFFICER. SUCH RECORDS SHALL BE MAINTAINED FOR A PERIOD OF NOT LESS THAN FIVE YEARS AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST.
[RULE 1406]
6. THE CHARGING DOOR SHALL REMAIN CLOSED EXCEPT DURING CHARGING.
[RULE 1406]
7. THE PRIMARY GAS BURNER SHALL AUTOMATICALLY SHUT OFF WHEN THE CHARGING DOOR IS OPENED.
[RULE 1406]
8. THE EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES AND OPERATED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 1406]



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9. THIS EQUIPMENT SHALL COMPLY WITH RULE 1406.
[RULE 1406]

Periodic Monitoring:

10. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON A MONTHLY BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE MONTHLY PERIOD. THE ROUTINE MONTHLY 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. VERIFY AND CERTIFY WITHIN 24 HOURS THAT THE EQUIPMENT CAUSING THE EMISSION AND ANY ASSOCIATED AIR POLLUTION CONTROL EQUIPMENT ARE OPERATING NORMALLY ACCORDING TO THEIR DESIGN AND STANDARD PROCEDURES AND UNDER THE SAME CONDITIONS UNDER WHICH COMPLIANCE WAS ACHIEVED IN THE PAST;
 - B. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT; OR
 - C. 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.

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

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

Emissions And Requirements:

11. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- PM: 0.1 GR/SCF RULE 473
 - CO: 2000 PPMV, RULE 407
 - SOX: 500 PPMV, RULE 407
 - PM: 0.1 GR/SCF, RULE 409
 - PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS



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Permit No. M56895
A/N 144646

Equipment Description:

EMERGENCY ELECTRIC POWER GENERATION SYSTEM CONSISTING OF:

1. DIESEL ENGINE, CATERPILLAR 3516-STD, S/N 2520076, 2520 HP, WITH TURBOCHARGER, AFTERCOOLED SYSTEM, AND RETARD IGNITION.
2. ELECTRIC GENERATOR, CATERPILLAR 3516, 1759 K.W. STANDBY RATING.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN A YEAR WHICH INCLUDES NO MORE THAN 30 HOURS FOR PERFORMANCE AND MAINTENANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1110.2, RULE 1470]
4. OPERATION BEYOND THE 30 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE 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 1304(a)-MODELING AND OFFSET, RULE 1110.2, RULE 1470]
5. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION OF THIS ENGINE. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION (BOTH MANUAL AND AUTOMATIC) FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED ANYTIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1303(b)(2)-OFFSET, RULE 1110.2, RULE 1470]



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6. THIS ENGINE SHALL COMPLY WITH RULE 1470.
[RULE 1470]

Periodic Monitoring:

7. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.
[RULE 3004 (a)(4)]

Emissions And Requirements:

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



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Permit No. D09075
A/N 176594

Equipment Description:

INTERNAL COMBUSTION ENGINE, GM DIESEL, DIESEL FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 7163-7000 SERIAL NO. 16VA1331, 16 CYLINDERS, TWO CYCLE, NATURALLY ASPIRATED, 466 BHP, WITH ONE EXHAUST.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE IGNITION TIMING OF THIS ENGINE MUST BE INSPECTED, ADJUSTED, AND CERTIFIED, AT A MINIMUM, ONCE EVERY THREE YEARS OF OPERATION. INSPECTIONS, ADJUSTMENTS, AND CERTIFICATIONS MUST BE PERFORMED BY A QUALIFIED MECHANIC AND ACCORDING TO THE ENGINE MANUFACTURER'S PROCEDURES.
[RULE 1303(a)(1)-BACT]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN A YEAR WHICH INCLUDES NO MORE THAN 30 HOURS FOR PERFORMANCE AND MAINTENANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1110.2, RULE 1470]
5. OPERATION BEYOND THE 30 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE 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 1304(a)-MODELING AND OFFSET, RULE 1110.2, RULE 1470]
6. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION OF THIS ENGINE. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE



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CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION (BOTH MANUAL AND AUTOMATIC) FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED ANYTIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1303(b)(2)-OFFSET, RULE 1110.2, RULE 1470]

7. THIS ENGINE SHALL COMPLY WITH RULE 1470.
[RULE 1470]

Periodic Monitoring:

8. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTING ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.
[RULE 3004 (a)(4)]

Emissions And Requirements:

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



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**Permit No. D79812
A/N 274517**

Equipment Description:

ETHYLENE OXIDE GAS STERILIZER, JOSLYN, MODEL 1008-0006, 2'-0" W X 3'-0" L X 5'-0" H (INTERNAL DIMENSIONS), STEAM HEATED, WITH A 1 ½ HP VACUUM PUMP.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE MAXIMUM AMOUNT OF STERILIZING LOADS PROCESSED IN THIS EQUIPMENT SHALL NOT EXCEED 2 LOADS IN ANY DAY OR 45 LOADS 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 OPERATE 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 NOS. 3 AND 5. THESE RECORDS SHALL BE KEPT FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1405]
7. THIS EQUIPMENT SHALL COMPLY WITH RULE 1405.
[RULE 1405]

Emissions And Requirements:

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

ETHYLENE OXIDE: RULE 1405(d), SEE RULE FOR EMISSION LIMIT REQUIREMENTS



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**Permit No. D80060
A/N 274518**

Equipment Description:

ETHYLENE OXIDE GAS STERILIZER, JOSLYN, MODEL 2460-0002, 2'-0" W X 5'-0" L X 3'-0" H (INTERNAL DIMENSIONS), STEAM HEATED, WITH A 1 ½ HP VACUUM PUMP.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE MAXIMUM AMOUNT OF STERILIZING LOADS PROCESSED IN THIS EQUIPMENT SHALL NOT EXCEED 2 LOADS IN ANY DAY OR 45 LOADS 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 OPERATE 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 NOS. 3 AND 5. THESE RECORDS SHALL BE KEPT FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1405]
7. THIS EQUIPMENT SHALL COMPLY WITH RULE 1405.
[RULE 1405]

Emissions And Requirements:

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

ETHYLENE OXIDE: RULE 1405(d), SEE RULE FOR EMISSION LIMIT REQUIREMENTS



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**Permit No. D79813
A/N 274520**

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. ETO RECOVERY UNIT, JOSLYN, MODEL 1002-00015, 4'-0" W X 1'-10" L X 4'-5" H.
2. TANK STORAGE CABINET, 3'-0" W X 1'-7" L X 4'-8" H.
3. ACID SCRUBBER, 2'-0" W X 2'-0" L X 3'-0" H.
4. EXHAUST SYSTEM 1/6 HP, VENTING TWO STERILIZERS.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE OPERATOR SHALL CONDUCT ANNUAL SOURCE TESTS ON THIS EQUIPMENT PER RULE 1405(d)(6).
[RULE 1405]
4. RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITION NO. 3. THESE RECORDS SHALL BE KEPT FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1405]
5. THIS EQUIPMENT SHALL COMPLY WITH RULE 1405.
[RULE 1405]

Emissions And Requirements:

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

ETHYLENE OXIDE: RULE 1405(d), SEE RULE FOR EMISSION LIMIT REQUIREMENTS



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PERMIT TO OPERATE

**Permit No. D71177
A/N 274769**

Equipment Description:

INTERNAL COMBUSTION ENGINE, VM AGIP, MODEL NO. 1310, SERIAL NO. 101184, FOUR CYCLE, TEN CYLINDERS, DIESEL FIRED, 200 HP, DRIVING AN EMERGENCY WELL PUMP.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN A YEAR WHICH INCLUDES NO MORE THAN 30 HOURS FOR PERFORMANCE AND MAINTENANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1110.2, RULE 1470]
4. OPERATION BEYOND THE 30 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE 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 1304(a)-MODELING AND OFFSET, RULE 1110.2, RULE 1470]
5. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION OF THIS ENGINE. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION (BOTH MANUAL AND AUTOMATIC) FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED ANYTIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1303(b)(2)-OFFSET, RULE 1110.2, RULE 1470]
6. THIS ENGINE SHALL COMPLY WITH RULE 1470.
[RULE 1470]



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7. THIS ENGINE SHALL BE REPLACED OR RETROFITTED TO COMPLY WITH RULE 1470 REQUIREMENTS FOR EXISTING ENGINES LOCATED WITHIN 100 METERS OF SCHOOLS OR SCHOOL GROUNDS NO LATER THAN JANUARY 1, 2009.
[RULE 1470]

Periodic Monitoring:

8. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.
[RULE 3004 (a)(4)]

Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE
LOMA LINDA UNIV**

PERMIT TO OPERATE

**Permit No. D71638
A/N 277677**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, MODEL NO. 3508, SERIAL NO. 23Z01443, DIESEL FUELED, EMERGENCY, ELECTRICAL GENERATOR DRIVER, TURBOCHARGED, AFTERCOOLED, 8 CYLINDERS, 1344 BHP.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN A YEAR WHICH INCLUDES NO MORE THAN 30 HOURS FOR PERFORMANCE AND MAINTENANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1110.2, RULE 1470]
4. OPERATION BEYOND THE 30 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE 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 1304(a)-MODELING AND OFFSET, RULE 1110.2, RULE 1470]
5. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION OF THIS ENGINE. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION (BOTH MANUAL AND AUTOMATIC) FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED ANYTIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1303(b)(2)-OFFSET, RULE 1110.2, RULE 1470]
6. THIS ENGINE SHALL COMPLY WITH RULE 1470.
[RULE 1470]



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7. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO STANDARD TIMING.
[RULE 1303(a)(1)-BACT]

Periodic Monitoring:

8. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.
[RULE 3004 (a)(4)]

Emissions And Requirements:

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



FACILITY PERMIT TO OPERATE
LOMA LINDA UNIV

PERMIT TO OPERATE

Permit No. D71639
A/N 277678

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, MODEL NO. 3508, SERIAL NO. 23Z01442, DIESEL FUELED, EMERGENCY, ELECTRICAL GENERATOR DRIVER, TURBOCHARGED, AFTERCOOLED, 8 CYLINDERS, 1344 BHP.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN A YEAR WHICH INCLUDES NO MORE THAN 30 HOURS FOR PERFORMANCE AND MAINTENANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1110.2, RULE 1470]
4. OPERATION BEYOND THE 30 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE 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 1304(a)-MODELING AND OFFSET, RULE 1110.2, RULE 1470]
5. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION OF THIS ENGINE. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION (BOTH MANUAL AND AUTOMATIC) FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED ANYTIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1303(b)(2)-OFFSET, RULE 1110.2, RULE 1470]
6. THIS ENGINE SHALL COMPLY WITH RULE 1470.
[RULE 1470]



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7. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO STANDARD TIMING.
[RULE 1303(a)(1)-BACT]

Periodic Monitoring:

8. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.
[RULE 3004 (a)(4)]

Emissions And Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS



**FACILITY PERMIT TO OPERATE
LOMA LINDA UNIV**

PERMIT TO OPERATE

**Permit No. F10748
A/N 334804**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, MODEL NO. 3508 DITA (900 KW), SERIAL NO. 23Z07043, 8 CYLINDERS, TURBOCHARGED, AFTERCOOLED, 1337 BHP, DIESEL FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN A YEAR WHICH INCLUDES NO MORE THAN 50 HOURS FOR PERFORMANCE AND MAINTENANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1110.2, RULE 1470]
4. OPERATION BEYOND THE 50 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 50 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 1304(a)-MODELING AND OFFSET, RULE 1110.2, RULE 1470]
5. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION OF THIS ENGINE. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION (BOTH MANUAL AND AUTOMATIC) FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED ANYTIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1303(b)(2)-OFFSET, RULE 1110.2, RULE 1470]
6. THIS ENGINE SHALL COMPLY WITH RULE 1470.
[RULE 1470]



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7. 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)(1)-BACT]

Periodic Monitoring:

8. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.
[RULE 3004 (a)(4)]

Emissions And Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS



**FACILITY PERMIT TO OPERATE
LOMA LINDA UNIV**

PERMIT TO OPERATE

**Permit No. F10749
A/N 334805**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, MODEL NO. 3508 DITA (900 KW), SERIAL NO. 23Z07079, 8 CYLINDERS, TURBOCHARGED, AFTERCOOLED, 1337 BHP, DIESEL FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN A YEAR WHICH INCLUDES NO MORE THAN 50 HOURS FOR PERFORMANCE AND MAINTENANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1110.2, RULE 1470]
4. OPERATION BEYOND THE 50 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 50 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 1304(a)-MODELING AND OFFSET, RULE 1110.2, RULE 1470]
5. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION OF THIS ENGINE. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION (BOTH MANUAL AND AUTOMATIC) FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED ANYTIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1303(b)(2)-OFFSET, RULE 1110.2, RULE 1470]
6. THIS ENGINE SHALL COMPLY WITH RULE 1470.
[RULE 1470]



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7. 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)(1)-BACT]

Periodic Monitoring:

8. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.
[RULE 3004 (a)(4)]

Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE
LOMA LINDA UNIV**

PERMIT TO CONSTRUCT/OPERATE

**Permit No. F73156
A/N 435937**

Equipment Description:

(located at Del Webb Library)

INTERNAL COMBUSTION ENGINE, PERKINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. GCD325, TURBOCHARGED, AFTERCOOLED, 6 CYLINDERS, FOUR CYCLE, 325 BHP.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN A YEAR WHICH INCLUDES NO MORE THAN 50 HOURS FOR PERFORMANCE AND MAINTENANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1110.2, RULE 1470]
4. OPERATION BEYOND THE 50 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 50 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 1304(a)-MODELING AND OFFSET, RULE 1110.2, RULE 1470]
5. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION OF THIS ENGINE. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION (BOTH MANUAL AND AUTOMATIC) FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED ANYTIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1303(b)(2)-OFFSET, RULE 1110.2, RULE 1470]



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6. THIS ENGINE SHALL COMPLY WITH RULE 1470.
[RULE 1470]

Periodic Monitoring:

7. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.
[RULE 3004 (a)(4)]

Emissions And Requirements:

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

CO: 2.6 GRAMS/BHP-HR, RULE 1303(a)(1)-BACT
NO_x + NMHC: 4.8 GRAMS/BHP-HR, RULE 1303(a)(1)-BACT
PM: 0.15 GRAM/BHP-HR, RULE 1303(a)(1)-BACT
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS



**FACILITY PERMIT TO OPERATE
LOMA LINDA UNIV**

PERMIT TO CONSTRUCT/OPERATE

**Permit No. N24724
A/N 495540**

Equipment Description:

FUEL STORAGE AND DISPENSING FACILITY CONSISTING OF:

1. 2 GASOLINE BALANCE NOZZLES DISPENSING 2 PRODUCTS EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, VAPOR SYSTEMS TECHNOLOGIES, INC., PHASE II ENHANCED VAPOR RECOVERY (EVR) SYSTEM NOT INCLUDING IN-STATION DIAGNOSTICS (ISD) SYSTEM (VR-203-E).
2. 1 - DUAL COMPARTMENT UNDERGROUND GASOLINE/DIESEL STORAGE TANK, 18,000 GALLON CAPACITY, 1 METHANOL COMPATIBLE, CONSISTING OF:
 - A) ONE 12,000 GALLON GASOLINE COMPARTMENT, EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM OPW (VR-102-E/I).
 - B) ONE 6,000 GALLON DIESEL COMPARTMENT, NOT EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. ALL PERMIT CONDITIONS APPLICABLE TO THE EQUIPMENT DESCRIBED IN THE PREVIOUS PERMIT TO OPERATE N18641 SHALL REMAIN IN EFFECT UNTIL THE NEW OR MODIFIED EQUIPMENT IS CONSTRUCTED AND OPERATED AS DESCRIBED IN THIS NEW PERMIT. THIS PERMIT TO CONSTRUCT/OPERATE SHALL BECOME INVALID IF THE MODIFICATION AS DESCRIBED IN THE EQUIPMENT DESCRIPTION HAS NOT BEEN COMPLETED WITHIN ONE YEAR FROM THE ISSUE DATE. IF THE MODIFICATION HAS NOT BEEN COMPLETED WITHIN ONE YEAR FROM THE ISSUE DATE OF THE PERMIT, A WRITTEN REQUEST SHALL BE SUBMITTED TO THE AQMD (ATTENTION: RANDY MATSUYAMA) TO REINSTATE THE PREVIOUSLY INACTIVATED PERMIT TO OPERATE. A NEW APPLICATION SHALL BE FILED IF THERE ARE PLANS TO CONTINUE WITH THE MODIFICATION. FURTHERMORE, THIS CONDITION DOES NOT ALLOW ANY TIME EXTENSIONS TO ANY MODIFICATIONS REQUIRED BY THE CALIFORNIA AIR RESOURCES BOARD OR AQMD.
[RULE 205]



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4. EXCEPT FOR DIESEL TRANSFERS, PHASE I VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO STORAGE TANKS.
[RULE 461]
5. EXCEPT FOR DIESEL TRANSFERS, PHASE II VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO MOTOR VEHICLES, AS DEFINED IN RULE 461.
[RULE 461]
6. ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT AT THIS FACILITY SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CALIFORNIA AIR RESOURCES BOARD CERTIFICATION REQUIREMENTS.
[RULE 461, RULE 1303(a)(1)-BACT]
7. THE DISTRICT AT ITS DISCRETION MAY WISH TO WITNESS THE INSTALLATION AND/OR PERFORMANCE TESTING OF THE VST PHASE II EVR SYSTEM INCLUDING ISD SYSTEM. AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE INSTALLATION AND PERFORMANCE TESTING OF THE VST PHASE II EVR SYSTEM INCLUDING ISD SYSTEM, THE APPLICANT SHALL NOTIFY THE AQMD AT TELEPHONE NUMBER (866) 770-9140.
[RULE 461]
8. NEW EQUIPMENT INSTALLATIONS AND SUBSEQUENT SERVICE AND REPAIRS FOR ANY CERTIFIED COMPONENT FOR WHICH THIS PERMIT WAS ISSUED, SHALL ONLY BE PERFORMED BY A CURRENT AND CERTIFIED PERSON WHO HAS SUCCESSFULLY COMPLETED THE MANUFACTURER'S TRAINING COURSE AND APPROPRIATE INTERNATIONAL CODE COUNCIL (ICC) CERTIFICATION OR CARB EQUIVALENT TRAINING. COMPLETION OF ANY AQMD TRAINING COURSE DOES NOT CONSTITUTE AS A SUBSTITUTE FOR THIS REQUIREMENT. PROOF OF SUCCESSFUL COMPLETION OF ANY MANUFACTURER TRAINING COURSE SHALL BE WITH THE MANUFACTURER.
[RULE 461]
9. AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO BACK-FILLING ANY UNDERGROUND STORAGE TANK OR PIPING, THE SCAQMD SHALL BE NOTIFIED BY E-MAIL AT R461BACKFILL@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTORS; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE BACK-FILLING PROCEDURE. THE BACK-FILLING PROCEDURE SHALL NOT COMMENCE UNTIL INSPECTED BY A DISTRICT REPRESENTATIVE.
[RULE 461]



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10. DEPENDING ON THE SYSTEM CONFIGURATION, A LEAK RATE TEST OF DROP TUBE/DRAIN VALVE ASSEMBLY SHALL BE CONDUCTED TO QUANTIFY THE PRESSURE INTEGRITY OF BOTH THE DROP TUBE AND DRAIN VALVE SEAL OR A LEAK RATE TEST OF DROP TUBE OVERFILL PREVENTION DEVICE AND DRAIN VALVE SHALL BE CONDUCTED TO QUANTIFY THE PRESSURE INTEGRITY OF THE DROP TUBE OVERFILL PREVENTION DEVICE AND THE PRESSURE INTEGRITY OF THE SPILL CONTAINER DRAIN VALVE. EITHER TEST SHALL BE CONDUCTED AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH TEST PROCEDURE METHOD TP-201.1C (OCTOBER 8, 2003) OR TP-201.1D (OCTOBER 8, 2003), RESPECTIVELY. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
11. A LEAK RATE AND CRACKING PRESSURE TEST OF PRESSURE/VACUUM RELIEF VENT VALVES SHALL BE CONDUCTED WITHIN TEN (10) DAYS AFTER THE START OF OPERATION OF THE OPW PHASE I EVR EQUIPMENT AND AT LEAST ONCE EVERY THREE (3) YEARS THEREAFTER TO DETERMINE THE PRESSURE AND VACUUM AT WHICH THE PRESSURE/VACUUM VENT VALVE ACTUATES, AND TO DETERMINE THE VOLUMETRIC LEAK RATE AT A GIVEN PRESSURE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEST PROCEDURE METHOD TP-201.1E (OCTOBER 8, 2003). RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST. THIS TEST RESULT SHALL BE KEPT ON SITE FOR THREE (3) YEARS AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.
[RULE 461]
12. A STATIC TORQUE TEST OF ROTATABLE PHASE I ADAPTORS SHALL BE CONDUCTED TO QUANTIFY THE AMOUNT OF STATIC TORQUE REQUIRED TO START THE ROTATION OF THE ROTATABLE PHASE I ADAPTORS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEST PROCEDURE METHOD OUTLINED IN TP-201.1B (OCTOBER 8, 2003) AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE.461]
13. THE PHASE II VAPOR RECOVERY SYSTEM SHALL BE INSTALLED, OPERATED, AND MAINTAINED SUCH THAT THE MAXIMUM ALLOWABLE PRESSURE THROUGH THE SYSTEM INCLUDING NOZZLE, VAPOR HOSE, SWIVELS, AND UNDERGROUND PIPING DOES NOT EXCEED THE DYNAMIC BACK PRESSURES DESCRIBED BY THE CALIFORNIA AIR RESOURCES BOARD EXECUTIVE ORDER BY WHICH THE SYSTEM WAS CERTIFIED:

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



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DYNAMIC BACK-PRESSURE TESTS SHALL BE CONDUCTED TO DETERMINE THE PHASE II SYSTEM VAPOR RECOVERY BACK PRESSURES. THE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE TP-201.4, METHODOLOGY 1 (JULY 3, 2002); AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TESTS.

[RULE 461]

14. A STATIC PRESSURE LEAK DECAY TEST SHALL BE CONDUCTED TO DEMONSTRATE THAT THE STORAGE TANKS, THE REMOTE AND/OR NOZZLE VAPOR RECOVERY CHECK VALVES, ASSOCIATED VAPOR RETURN PIPING AND FITTINGS ARE FREE FROM VAPOR LEAKS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.3 (MARCH 17, 1999), AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
15. THE STATIC PRESSURE LEAK DECAY TEST TP-201.3, SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 4 OF CARB EXECUTIVE ORDER VR-203-E. VERIFICATION OF COMPLETING EACH STEP AS OUTLINED SHALL BE DOCUMENTED BY SUBMITTING A COPY OF EXHIBIT 4 TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
16. A LIQUID REMOVAL TEST SHALL BE CONDUCTED TO QUANTIFY THE REMOVAL RATE OF LIQUID FROM THE VAPOR PASSAGE OF A PHASE II BALANCE SYSTEM HOSE EQUIPPED WITH A LIQUID REMOVAL DEVICE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 5 OF CARB EXECUTIVE ORDER VR-203-E, AS A PERFORMANCE TEST AND REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
17. IF A VST ECS MEMBRANE PROCESSOR IS INSTALLED, A HYDROCARBON SENSOR VERIFICATION TEST SHALL BE CONDUCTED TO DETERMINE THE ACCURACY OF THE VST HYDROCARBON NON-DISPERSIVE INFRARED SENSOR USING KNOWN HYDROCARBON CONCENTRATIONS (PROPANE) CALIBRATION GASES AT GASOLINE DISPENSING FACILITIES. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 6 OF CARB EXECUTIVE ORDER VR-203-E, AS A PERFORMANCE TEST AND REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
18. A VAPOR PRESSURE SENSOR VERIFICATION TEST SHALL BE CONDUCTED TO DETERMINE THE PRESSURE MANAGEMENT CONTROL VAPOR PRESSURE SENSOR IS OPERATING IN ACCORDANCE WITH THE PRESSURE SENSOR REQUIREMENTS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 8 OF CARB EXECUTIVE ORDER VR-203-E, AS A PERFORMANCE TEST AND REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]



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19. IF A VST ECS MEMBRANE PROCESSOR IS INSTALLED, A DETERMINATION OF VST PROCESSOR ACTIVATION PRESSURE TEST SHALL BE CONDUCTED TO DETERMINE COMPLIANCE WITH THE VST PROCESSOR ACTIVATION PRESSURE REQUIREMENT. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 9 OF CARB EXECUTIVE ORDER VR-203-E, AS A PERFORMANCE TEST AND REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
20. A NOZZLE BAG TEST SHALL BE CONDUCTED ON THE VST PHASE II EVR NOZZLES TO VERIFY THE INTEGRITY OF THE VAPOR VALVE. THE TEST SHALL BE CONDUCTED ON ANY NEWLY INSTALLED OR REPLACED VST PHASE II EVR NOZZLES AND IN ACCORDANCE WITH EXHIBIT 10 OF CARB EXECUTIVE ORDER VR-203-E. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
21. IF A VEEDER-ROOT VAPOR POLISHER IS INSTALLED, A VEEDER-ROOT VAPOR POLISHER OPERABILITY TEST SHALL BE CONDUCTED IN ACCORDANCE WITH ALL OF EXHIBIT 11 OF CARB EXECUTIVE ORDER VR-203-E. THE TEST SHALL BE CONDUCTED AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
22. IF A VEEDER-ROOT VAPOR POLISHER IS INSTALLED, A VEEDER-ROOT VAPOR POLISHER HYDROCARBON EMISSIONS VERIFICATION TEST SHALL BE CONDUCTED IN ACCORDANCE WITH ALL OF EXHIBIT 12 OF CARB EXECUTIVE ORDER VR-203-E TO VERIFY THE PROPER PERFORMANCE OF THE VEEDER-ROOT VAPOR POLISHER. THE TEST SHALL BE CONDUCTED AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
23. IF THE SECURITY SEAL TAG ON THE VAPOR POLISHER IS BROKEN OR MISSING, THE OWNER/OPERATOR SHALL PERFORM BOTH A VEEDER-ROOT VAPOR POLISHER OPERABILITY TEST (EXHIBIT 11), AND A VEEDER ROOT VAPOR POLISHER HYDROCARBON EMISSIONS VERIFICATION TEST (EXHIBIT 12) WITHIN SEVEN (7) DAYS OF DISCOVERY, OR WHEN IT SHOULD BE REASONABLY KNOWN THAT SUCH SEAL IS MISSING OR BROKEN. WITHIN SEVEN (7) DAYS OF A REPORT OF A MISSING OR BROKEN SECURITY SEAL TAG, A NEW SECURITY SEAL TAG SHALL BE APPLIED TO THE VAPOR POLISHER ONLY BY A MANUFACTURER REPRESENTATIVE AND ONLY IMMEDIATELY AFTER PASSING THE ABOVE REQUIRED TESTS. A NEW SECURITY SEAL TAG SHALL NOT BE PLACED AND THE VAPOR POLISHER SHALL BE REPLACED WITH A NEW ONE IF THE VAPOR POLISHER FAILED ANY SUCH TESTS.
[RULE 461]
24. THE DYNAMIC BACK PRESSURE TESTS TP-201.4, SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 13 OF CARB EXECUTIVE ORDER VR-203-E. VERIFICATION OF COMPLETING EACH STEP AS OUTLINED SHALL BE DOCUMENTED BY SUBMITTING A COPY OF EXHIBIT 13 TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]



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25. UNLESS AQMD RULE 461 REQUIRES A MORE FREQUENT TESTING OR INSPECTION SCHEDULE, THE OWNER/OPERATOR SHALL BE RESPONSIBLE TO PERFORM THE SCHEDULED DAILY AND ANNUAL INSPECTIONS AS OUTLINED IN THE ARB APPROVED INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR THE VST PHASE II EVR SSSYSTEM, AS WELL AS THE REQUIRED VAPOR RECOVERY SYSTEM TESTS AS PER THE CURRENT AND APPROPRIATE ARB EXECUTIVE ORDER.
[RULE 461]
26. A CARB CERTIFIED PHASE II ENHANCED VAPOR RECOVERY SYSTEM SHALL BE FULLY PERMITTED, INSTALLED, AND TESTED BY OCTOBER 1, 2008. FAILURE TO ACHIEVE THIS CONDITION BY OCTOBER 1, 2008, SHALL RESULT IN THE OWNER/OPERATOR TO FILE A DISTRICT APPROVED COMPLIANCE PLAN OUTLINING THE INCREMENTS OF PROGRESS TOWARDS COMPLETING THE INSTALLATION OF A CARB CERTIFIED PHASE II ENHANCED VAPOR RECOVERY SYSTEM BY APRIL 1, 2009.
[RULE 461]
27. IF THE OWNER/OPERATOR PLANS TO PERMANENTLY CEASE ALL GASOLINE DISPENSING OPERATIONS BEFORE APRIL 1, 2009, A COMPLIANCE PLAN SHALL BE FILED DECLARING TO IRREVOCABLY SURRENDER THEIR PERMIT TO OPERATE.
[RULE 461]
28. IF THE VAPOR PROCESSOR IS NOT ACCESSIBLE FOR INSPECTION AND PERFORMING TESTS PURPOSES FROM GROUND LEVEL, THE OWNER/OPERATOR SHALL PROVIDE SAFE ACCESS, WHICH IS ON SITE AND IMMEDIATELY AVAILABLE UPON REQUEST, TO THE VAPOR PROCESSOR UNIT. THE ACCESS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GENERAL INDUSTRY SAFETY ORDERS OF THE STATE OF CALIFORNIA OR IN COMPLIANCE WITH STANDARDS SPECIFIED BY THE DIVISION OF OCCUPATIONAL SAFETY AND HEALTH OF THE CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS (I.E. CAL/OSHA).
[RULE 461]
29. THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO ANY OF THE ABOVE MENTIONED TESTING REQUIREMENTS. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE TESTS TO BE PERFORMED.
[RULE 461]
30. THE TESTING FOR THE ABOVE MENTIONED TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE MOST RECENT RULE 461 AMENDMENT OR CARB EXECUTIVE ORDER REQUIREMENTS, WHICHEVER IS MORE STRINGENT.
[RULE 461]
31. SHOULD THE FACILITY DISPENSE MORE THAN 600,000 GALLONS OF GASOLINE PER CALENDAR YEAR AND IF THE FACILITY UNDERGOES A MAJOR MODIFICATION AS DEFINED BY CARB'S ADVISORY LETTER NUMBER 336, "ENHANCED VAPOR RECOVERY IMPLEMENTATION UPDATE" DATED APRIL 15, 2005; THE OPERATOR SHALL IMMEDIATELY CEASE ALL GASOLINE DISPENSING OPERATIONS AND FILE AN APPLICATION FOR A NEW PERMIT TO CONSTRUCT/OPERATE TO INSTALL A CARB CERTIFIED ISD SYSTEM. GASOLINE DISPENSING



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OPERATIONS SHALL NOT RESUME UNTIL THE ISD SYSTEM HAS BEEN GRANTED A PERMIT TO CONSTRUCT/OPERATE AND HAS BEEN FULLY INSTALLED, TESTED, AND OPERATIVE.
[RULE 461]

32. SHOULD THE FACILITY DISPENSE MORE THAN 600,000 GALLONS OF GASOLINE IN ANY CALENDAR YEAR AND IF THE FACILITY DOES NOT UNDERGO A MAJOR MODIFICATION AS DEFINED BY CARB'S ADVISORY LETTER NUMBER 336, "ENHANCED VAPOR RECOVERY IMPLEMENTATION UPDATE" DATED APRIL 15, 2005; THE OPERATOR SHALL FILE AN APPLICATION FOR A NEW PERMIT TO CONSTRUCT/OPERATE TO INSTALL A CARB CERTIFIED ISD SYSTEM. THE ISD SYSTEM SHALL BE FULLY INSTALLED, TESTED, AND OPERATIVE BASED ON THE FOLLOWING TABLE:

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

[RULE 461]

33. ALL RECORDS AND TEST RESULTS THAT ARE REQUIRED TO BE MAINTAINED BY RULE 461 SHALL BE KEPT ON SITE FOR FOUR YEARS AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

[RULE 461]

Periodic Monitoring:

34. THE OPERATOR SHALL HAVE A PERSON THAT HAS BEEN TRAINED IN ACCORDANCE WITH RULE 461(d)(5) CONDUCT A SEMI-ANNUAL INSPECTION OF THE GASOLINE TRANSFER AND DISPENSING EQUIPMENT. THE FIRST INSPECTION SHALL BE IN ACCORDANCE WITH RULE 461, ATTACHMENT C, THE SECOND INSPECTION SHALL BE IN ACCORDANCE WITH RULE 461, ATTACHMENT D, AND THE SUBSEQUENT INSPECTIONS SHALL ALTERNATE PROTOCOLS. THE OPERATOR SHALL KEEP RECORDS OF THE INSPECTION AND THE REPAIRS IN ACCORDANCE TO RULE 461 AND SECTION K OF THIS PERMIT.

[RULE 3004 (a)(4)]

Emissions And Requirements:

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

VOC: RULE 461



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Permit No. F81875
A/N 456510

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, MODEL NO. 3306 ATAAC, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, TURBOCHARGED, AFTERCOOLED, 377 BHP.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1110.2, RULE 1470]
4. OPERATION BEYOND THE 50 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1110.2, RULE 1470]
5. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION OF THIS ENGINE. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION (BOTH MANUAL AND AUTOMATIC) FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED ANYTIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1303(b)(2)-OFFSET, RULE 1110.2; RULE 1470]



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

Periodic Monitoring:

8. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.
[RULE 3004 (a)(4)]

Emissions And Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
CO: 8.5 GRAMS/BHP-HR, RULE 1303(a)(1)-BACT
NO_x: 6.9 GRAMS/BHP-HR, RULE 1303(a)(1)-BACT
PM₁₀: 0.38 GRAM/BHP-HR, RULE 1303(a)(1)-BACT
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
ROG: 1.0 GRAMS/BHP-HR, RULE 1303(a)(1)-BACT



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**Permit No. F95797
A/N 459899**

Equipment Description:

BOILER, MURRAY-TRANE, WATERTUBE TYPE, MODEL NO. WBDA-3-57, SERIAL NO. 10786, WITH ONE BURNER, COEN COMPANY, MODEL NO. DAZ, NATURAL GAS FIRED, WITH AMBER 363 FUEL OIL STANDBY, RATED AT 49,000,000 BTU/HR, AND EQUIPPED WITH FLUE GAS RECIRCULATION.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS BOILER SHALL BE FIRED WITH NATURAL GAS ONLY, EXCEPT DURING TESTING, MAINTENANCE, NATURAL GAS CURTAILMENT OR AN EMERGENCY EVENT, AT WHICH TIME AMBER 363 FUEL OIL MAY BE USED.
[RULE 1303(b)(2)-OFFSET]
4. THE OPERATOR SHALL COMPLY WITH ALL THE APPLICABLE REQUIREMENTS OF RULE 1146.
[RULE 1146]
5. WHEN FIRING ON NATURAL GAS, THIS BOILER SHALL NOT EMIT MORE THAN 30 PPM OF OXIDES OF NITROGEN (NOX), CALCULATED AS NO₂, AND NOT MORE THAN 400 PPM OF CARBON MONOXIDE, ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% O₂ AND AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES.

WHEN FIRING ON AMBER 363 FUEL OIL, THIS BOILER SHALL NOT EMIT MORE THAN 40 PPM OF OXIDES OF NITROGEN (NOX), CALCULATED AS NO₂, AND NOT MORE THAN 400 PPM OF CARBON MONOXIDE, ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% O₂ AND AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES.
[RULE 1146]
6. WHENEVER THE BOILER IS FIRED USING NATURAL GAS, THE USE OF THIS FUEL SHALL NOT EXCEED 190,476,190 CUBIC FEET IN ANY ONE CALENDAR YEAR.
[RULE 1146]
7. WHENEVER THE BOILER IS FIRED USING AMBER 363 FUEL OIL, THE USE OF THIS FUEL SHALL NOT EXCEED 783,285 GALLONS IN ANY ONE CALENDAR YEAR.
[RULE 1146]



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8. THE AMBER 363 FUEL OIL SUPPLIED TO THE BURNER SHALL CONTAIN NO MORE THAN 0.0015 PERCENT BY WEIGHT SULFUR.
[RULE 431.2]
9. THE OPERATOR SHALL HAVE THE BURNER EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE THE COMBUSTION AIR, FUEL AND RECIRCULATED FLUE GAS AS THE BOILER LOAD VARIES. THE CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED AT LEAST ONCE A YEAR ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS TO MAINTAIN ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME FIRING RATE.
[RULE 1146]

Periodic Monitoring:

10. THE OPERATOR SHALL INSTALL AND MAINTAIN NON-RESETTABLE TOTALIZING FUEL FLOW METERS TO MEASURE THE VOLUME OF NATURAL GAS USED IN CUBIC FEET AND THE VOLUME OF AMBER 363 FUEL OIL USED IN GALLONS.
[RULE 3004(a)(4)-Periodic Monitoring]
11. RECORDS OF FUEL USAGE, ADJUSTMENTS, TUNE-UPS AND CALIBRATIONS AS STATED IN CONDITION NOS. 6, 7, 9 AND 10 SHALL BE KEPT FOR AT LEAST FIVE YEARS AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. [RULE 3004(a)(4)-Periodic Monitoring]
12. THE COMBUSTION BURNER SHALL BE INSPECTED AND MAINTAINED PER MANUFACTURER SPECIFICATIONS. RECORDS SHALL BE MAINTAINED FOR THE INSPECTIONS AND MAINTENANCE OF THE BURNER.
[RULE 3004(a)(4)-Periodic Monitoring]
13. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT FOR A MINIMUM OF FIVE YEARS AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 3004(a)(4)-Periodic Monitoring]
14. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE NO_x EMISSION LIMIT BY CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY YEAR USING AQMD METHOD 100.1 OR 7.1. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 1146 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.

[RULE 3004(a)(4)-Periodic Monitoring]
15. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE CO EMISSION LIMIT BY CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY YEAR USING AQMD METHOD 100.1 OR 10.1. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 1146 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.

[RULE 3004(a)(4)-Periodic Monitoring]



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

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

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

17. IF ANNUAL AMBER 363 FUEL OIL USAGE EXCEEDS 2,000,000 GALLONS IN ANY ONE YEAR, THEN OPERATOR SHALL DETERMINE COMPLIANCE WITH THE PARTICULATE MATTER (PM) EMISSION LIMIT(S) BY CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY FIVE YEARS USING AQMD METHOD 5.2. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 409 LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT. FOR THE PURPOSE OF DETERMINING COMPLIANCE WITH RULE 409 LIMIT, THE EMISSIONS SHALL BE MEASURED AND AVERAGED OVER A 60 MINUTE TIME PERIOD.

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

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

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

18. FOR UNITS WITH A HEAT INPUT GREATER THAN 10 MMBTU/HR AND ANNUAL AMBER 363 FUEL OIL USAGE GREATER THAN 1,000,000 GALLONS, OR GREATER THAN 336 HOURS OF OPERATION



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

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

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

Emissions And Requirements:

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

NOx: 30 PPMV, RULE 1146, NATURAL GAS
NOx: 40 PPMV, RULE 1146, FUEL OIL
CO: 400 PPMV, RULE 1146
CO: 2000 PPMV, RULE 407
SOX: 500 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409



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Permit No. F299255
A/N 480391

Equipment Description:

COGENERATION SYSTEM NO. 1 CONSISTING OF:

1. GAS TURBINE, DETROIT DIESEL ALLISON, MODEL 501-KH, 59353000 BTU/HR, NATURAL GAS OR DIESEL FIRED WITH STEAM AND WATER INJECTION, DRIVING A 6054 KILOWATT ELECTRICAL GENERATOR.
2. SUPERHEATER, UNFIRED, 21780 LBS/HR, MAXIMUM STEAM OUTPUT.
3. DUCT BURNER, COEN, 44211000 BTU/HR, LOW NOX BURNER, NATURAL GAS FIRED ONLY.
4. WASTE HEAT BOILER, ABCO, 47000 LBS/HR MAXIMUM STEAM OUTPUT, WITH AN EVAPORATOR, ECONOMIZER AND FEEDWATER HEATER.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL BE OPERATED AND MAINTAINED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]
4. THE DUCT BURNER SHALL BE ONLY FIRED WITH NATURAL GAS.
[RULE 1134, RULE 1303(a)(1)-BACT]
5. A CONTINUOUS MONITORING SYSTEM SHALL BE INSTALLED AND OPERATED TO MEASURE THE COMBINED GAS TURBINE AND DUCT BURNER EXHAUST FOR NOX AND O2 CONCENTRATIONS ON A DRY BASIS. THE SYSTEM SHALL ALSO CONVERT THE ACTUAL NOX CONCENTRATIONS TO CORRECTED NOX CONCENTRATIONS AT 15% OXYGEN ON A DRY BASIS AND CONTINUOUSLY RECORD THE DRY NOX CONCENTRATIONS, DRY OXYGEN CONCENTRATIONS AND CORRECTED NOX CONCENTRATIONS AT 15% OXYGEN DRY. IN ADDITION, THE SYSTEM SHALL MONITOR AND RECORD THE DAILY NOX EMISSIONS IN POUNDS PER DAY FROM EACH COGENERATION SYSTEM. THIS SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF RULE 218.



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A REPORT SHALL BE SUBMITTED TO THE DISTRICT ON A MONTHLY BASIS. THIS MONTHLY REPORTS SHALL INCLUDE, BUT IS NOT LIMITED TO THE FOLLOWING:

1. DAY OF THE MONTH
 2. MONITOR "ON" HOURS
 3. GAS TURBINE OPERATING HOURS
 4. HOUR OF PEAK NOX
 5. MAXIMUM NOX EMISSIONS (PPMVD AT 15% O₂)
 6. MAXIMUM NOX EMISSIONS (POUNDS PER DAY)
 7. AVERAGE NOX EMISSIONS (PPMVD AT 15% O₂)
 8. AVERAGE NOX EMISSIONS (POUNDS PER DAY)
 9. TOTAL NOX EMISSIONS (POUNDS PER DAY)
 10. EXHAUST FLOW RATE (DSCFM)
 11. PERCENT OF DUCT BURNER FUEL
 12. ANY START UP, SHUTDOWN OR MALFUNCTION OF THE MONITOR
[RULE 1134, RULE 1303(b)(2)-OFFSET, RULE 218]
6. A CONTINUOUS MONITORING SYSTEM SHALL BE INSTALLED AND OPERATED TO MONITOR AND RECORD THE FUEL CONSUMPTION AND THE RATIO OF WATER TO FUEL BEING FIRED IN THE TURBINE. THIS SYSTEM SHALL BE ACCURATE TO WITHIN PLUS MINUS 5 PERCENT AND SHALL BE APPROVED BY THE EXECUTIVE OFFICER PRIOR TO INSTALLATION.
[RULE 1134, RULE 1303(b)(2)-OFFSET, RULE 218]
7. THE OPERATOR SHALL KEEP RECORDS OF RESULTS FROM THE MONITORS REQUIRED BY PERMIT CONDITION NOS. 5 AND 6. THE RECORDS SHALL BE MAINTAINED ON FILE FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE UPON REQUEST TO DISTRICT PERSONNEL.
[RULE 1134, RULE 1303(b)(2)-OFFSET]
8. WHEN FIRING DIESEL FUEL, EMISSIONS OF OXIDES OF NITROGEN AS NO₂ FROM THE COMBINED TURBINE AND DUCT BURNER EXHAUST SHALL NOT EXCEED 42 PPMV, CALCULATED DRY, AT 15% OXYGEN.
[RULE 1303(a)(1)-BACT]
9. WHEN FIRING NATURAL GAS, EMISSIONS OF OXIDES OF NITROGEN AS NO₂ FROM THE COMBINED TURBINE AND DUCT BURNER EXHAUST SHALL NOT EXCEED 21 PPMV, CALCULATED DRY, AT 15% OXYGEN.
[RULE 1134]
10. OXIDES OF SULFUR EMISSIONS REPORTED AS SO₂ FROM THIS COGENERATION PERMIT UNIT SHALL NOT EXCEED 2 POUNDS PER DAY WHILE THE TURBINE IS FIRING NATURAL GAS AND 74 POUNDS PER DAY WHILE THE TURBINE IS FIRING DIESEL FUEL. THE COMBINED SOX EMISSIONS REPORTED AS SO₂ FROM COGENERATION SYSTEM NUMBERS 1 AND 2 SHALL NOT EXCEED 3 POUNDS PER DAY WHILE THE TURBINES ARE FIRING NATURAL GAS AND 136 POUNDS PER DAY WHILE THE TURBINES ARE FIRING DIESEL FUEL.
[RULE 1303(b)(2)-OFFSET]
11. OXIDES OF NITROGEN EMISSIONS REPORTED AS NO₂ FROM THIS COGENERATION PERMIT UNIT SHALL NOT EXCEED 191 POUNDS PER DAY WHILE THE TURBINE IS FIRING NATURAL GAS AND 229 POUNDS PER DAY WHILE THE TURBINE IS FIRING DIESEL FUEL. THE COMBINED NOX



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EMISSIONS REPORTED AS NO₂ FROM COGENERATION SYSTEM NUMBERS 1 AND 2 SHALL NOT EXCEED 282 POUNDS PER DAY WHILE THE TURBINES ARE FIRING NATURAL GAS AND 339 POUNDS PER DAY WHILE THE TURBINES ARE FIRING DIESEL FUEL.
[RULE 1303(b)(2)-OFFSET]

12. CARBON MONOXIDE EMISSIONS FROM THIS COGENERATION PERMIT UNIT SHALL NOT EXCEED 182 POUNDS PER DAY WHILE THE TURBINE IS FIRING NATURAL GAS AND 466 POUNDS PER DAY WHILE THE TURBINE IS FIRING DIESEL FUEL. THE COMBINED CO EMISSIONS FROM COGENERATION SYSTEM NUMBERS 1 AND 2 SHALL NOT EXCEED 211 POUNDS PER DAY WHILE THE TURBINES ARE FIRING NATURAL GAS AND 552 POUNDS PER DAY WHILE THE TURBINES ARE FIRING DIESEL FUEL.
[RULE 1303(b)(2)-OFFSET]
13. ORGANIC EMISSIONS FROM THIS COGENERATION PERMIT UNIT SHALL NOT EXCEED 36 POUNDS PER DAY WHILE THE TURBINE IS FIRING NATURAL GAS AND 36 POUNDS PER DAY WHILE THE TURBINE IS FIRING DIESEL FUEL. THE COMBINED ORGANIC EMISSIONS FROM COGENERATION SYSTEM NUMBERS 1 AND 2 SHALL NOT EXCEED 72 POUNDS PER DAY WHILE THE TURBINES ARE FIRING NATURAL GAS AND 72 POUNDS PER DAY WHILE THE TURBINES ARE FIRING DIESEL FUEL.
[RULE 1303(b)(2)-OFFSET]
14. PARTICULATE EMISSIONS FROM THIS COGENERATION PERMIT UNIT SHALL NOT EXCEED 36 POUNDS PER DAY WHILE THE TURBINE IS FIRING NATURAL GAS AND 62 POUNDS PER DAY WHILE THE TURBINE IS FIRING DIESEL FUEL. THE COMBINED PARTICULATE EMISSIONS FROM COGENERATION SYSTEM NUMBERS 1 AND 2 SHALL NOT EXCEED 72 POUNDS PER DAY WHILE THE TURBINES ARE FIRING NATURAL GAS AND 125 POUNDS PER DAY WHILE THE TURBINES ARE FIRING DIESEL FUEL.
[RULE 1303(b)(2)-OFFSET]
15. DIESEL FUEL MAY BE BURNED IN THE TURBINE ONLY IN THE EVENT OF A NATURAL GAS CURTAILMENT OR IN THE EVENT OF AN EMERGENCY FAILURE OR MAINTENANCE REQUIREMENTS OF THE NATURAL GAS DELIVERY SYSTEM FOR BOILER TESTING WHICH IS NOT TO EXCEED ONE HALF HOUR PER MONTH.
[RULE 1303(b)(2)-OFFSET]
16. DAILY RECORDS OF DIESEL FUEL CONSUMPTION SHALL BE MAINTAINED AND MADE AVAILABLE UPON REQUEST TO DISTRICT PERSONNEL.
[RULE 1303(b)(2)-OFFSET]
17. THE MAXIMUM TOTAL QUANTITY OF NATURAL GAS USED IN ANY ONE HOUR SHALL NOT EXCEED 56530 CUBIC FEET FOR THE GAS TURBINE AND 42110 CUBIC FEET FOR THE DUCT BURNER.
[RULE 1303(b)(2)-OFFSET]
18. THE BOILER REFERENCED IN PERMIT NO. F32184 (A/N 252359) MAY BE IN OPERATION WHEN ONLY ONE OF THE COGENERATION SYSTEMS NO. 1 OR 2 IS OPERATING.
[RULE 1303(b)(2)-OFFSET]
19. WHEN BOTH COGENERATION SYSTEM NOS. 1 AND 2 ARE IN SIMULTANEOUS OPERATION, THE BOILER REFERENCED IN PERMIT NO. F32184 (A/N 252359) CANNOT BE OPERATED.



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[RULE 1303(b)(2)-OFFSET]

20. RECORDS OF DAILY OPERATION OF THE EXISTING BOILER AND THE COGENERATION SYSTEMS SHALL BE MAINTAINED BY LOMA LINDA UNIVERSITY AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST.
[RULE 1303(b)(2)-OFFSET]

Periodic Monitoring:

21. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE CO MASS EMISSION LIMIT(S) EITHER BY: (a) CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY FIVE YEARS USING AQMD METHOD 100.1 OR 10.1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD.. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH THE MASS EMISSION LIMITS IN CONDITION NO. 11. 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. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSION 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 PURPOSE; 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 RECORD BY A CERTIFIED SMOKE READER.
- [RULE 3004 (a)(4)]



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23. THE OPERATOR SHALL CONDUCT SOURCE TEST(S) IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
- A. THE TEST SHALL BE CONDUCTED AT LEAST ONCE DURING THE LIFE OF THE PERMIT.
 - B. THE TEST SHALL BE CONDUCTED TO DETERMINE THE PARTICULATE EMISSIONS USING EPA METHOD 5.2 MEASURED OVER A 60 MINUTE AVERAGING TIME PERIOD.
 - C. THE TEST SHALL BE CONDUCTED TO DEMONSTRATE COMPLIANCE WITH CONDITION NO. 13 (NATURAL GAS ONLY).
- [RULE 3004 (a)(4)]

Emissions And Requirements:

24. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- NOx: 42 PPMV, RULE 1303(a)(1)-BACT
 - NOx: 21 PPMV, RULE 1134
 - CO: 2000 PPMV, RULE 407
 - SOx: 500 PPMV, RULE 407
 - PM: 0.1 GR/SCF, RULE 409
 - SOx: 2 LBS/DAY (ON NATURAL GAS), RULE 1303(b)(2)-OFFSET
 - SOx: 3 LBS/DAY (COMBINED COGEN UNITS 1 & 2, ON NATURAL GAS), RULE 1303(b)(2)-OFFSET
 - SOx: 74 LBS/DAY (ON DIESEL), RULE 1303(b)(2)-OFFSET
 - SOx: 136 LBS/DAY (COMBINED COGEN UNITS 1 & 2, ON DIESEL), RULE 1303(b)(2)-OFFSET
 - NOx: 191 LBS/DAY (ON NATURAL GAS), RULE 1303(b)(2)-OFFSET
 - NOx: 282 LBS/DAY (COMBINED COGEN UNITS 1 & 2, ON NATURAL GAS), RULE 1303(b)(2)-OFFSET
 - NOx: 229 LBS/DAY (ON DIESEL), RULE 1303(b)(2)-OFFSET
 - NOx: 339 LBS/DAY (COMBINED COGEN UNITS 1 & 2, ON DIESEL), RULE 1303(b)(2)-OFFSET
 - CO: 182 LBS/DAY (ON NATURAL GAS), RULE 1303(b)(2)-OFFSET
 - CO: 211 LBS/DAY (COMBINED COGEN UNITS 1 & 2, ON NATURAL GAS), RULE 1303(b)(2)-OFFSET
 - CO: 466 LBS/DAY (ON DIESEL), RULE 1303(b)(2)-OFFSET
 - CO: 552 LBS/DAY (COMBINED COGEN UNITS 1 & 2, ON DIESEL), RULE 1303(b)(2)-OFFSET
 - ROG: 36 LBS/DAY (ON NATURAL GAS), RULE 1303(b)(2)-OFFSET
 - ROG: 72 LBS/DAY (COMBINED COGEN UNITS 1 & 2, ON NATURAL GAS), RULE 1303(b)(2)-OFFSET
 - ROG: 36 LBS/DAY (ON DIESEL), RULE 1303(b)(2)-OFFSET
 - ROG: 72 LBS/DAY (COMBINED COGEN UNITS 1 & 2, ON DIESEL), RULE 1303(b)(2)-OFFSET
 - PM: 36 LBS/DAY (ON NATURAL GAS), RULE 1303(b)(2)-OFFSET
 - PM: 72 LBS/DAY (COMBINED COGEN UNITS 1 & 2, ON NATURAL GAS), RULE 1303(b)(2)-OFFSET
 - PM: 62 LBS/DAY (ON DIESEL), RULE 1303(b)(2)-OFFSET
 - PM: 125 LBS/DAY (COMBINED COGEN UNITS 1 & 2, ON DIESEL), RULE 1303(b)(2)-OFFSET
 - NOx: 150 PPM, 40 CFR60 SUBPART GG
 - SOx: 150 PPM, 40 CFR60 SUBPART GG



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**Permit No. F99256
A/N 480393**

Equipment Description:

COGENERATION SYSTEM NO. 2 CONSISTING OF:

1. GAS TURBINE, DETROIT DIESEL ALLISON, MODEL 501-KH, 59353000 BTU/HR, NATURAL GAS OR DIESEL FIRED WITH STEAM AND WATER INJECTION, DRIVING A 6054 KILOWATT ELECTRICAL GENERATOR.
2. SUPERHEATER, UNFIRED, 21780 LBS/HR, MAXIMUM STEAM OUTPUT.
3. DUCT BURNER, COEN, 44211000 BTU/HR, LOW NOX BURNER, NATURAL GAS FIRED ONLY.
4. WASTE HEAT BOILER, ABCO, 47000 LBS/HR MAXIMUM STEAM OUTPUT, WITH AN EVAPORATOR, ECONOMIZER AND FEEDWATER HEATER.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL BE OPERATED AND MAINTAINED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]
4. THE DUCT BURNER SHALL BE ONLY FIRED WITH NATURAL GAS.
[RULE 1134, RULE 1303(a)(1)-BACT]
5. A CONTINUOUS MONITORING SYSTEM SHALL BE INSTALLED AND OPERATED TO MEASURE THE COMBINED GAS TURBINE AND DUCT BURNER EXHAUST FOR NOX AND O₂ CONCENTRATIONS ON A DRY BASIS. THE SYSTEM SHALL ALSO CONVERT THE ACTUAL NOX CONCENTRATIONS TO CORRECTED NOX CONCENTRATIONS AT 15% OXYGEN ON A DRY BASIS AND CONTINUOUSLY RECORD THE DRY NOX CONCENTRATIONS, DRY OXYGEN CONCENTRATIONS AND CORRECTED NOX CONCENTRATIONS AT 15% OXYGEN DRY. IN ADDITION, THE SYSTEM SHALL MONITOR AND RECORD THE DAILY NOX EMISSIONS IN POUNDS PER DAY FROM EACH COGENERATION SYSTEM. THIS SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF RULE 218.



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A REPORT SHALL BE SUBMITTED TO THE DISTRICT ON A MONTHLY BASIS. THIS MONTHLY REPORTS SHALL INCLUDE, BUT IS NOT LIMITED TO THE FOLLOWING:

1. DAY OF THE MONTH
 2. MONITOR "ON" HOURS
 3. GAS TURBINE OPERATING HOURS
 4. HOUR OF PEAK NOX
 5. MAXIMUM NOX EMISSIONS (PPMVD AT 15% O₂)
 6. MAXIMUM NOX EMISSIONS (POUNDS PER DAY)
 7. AVERAGE NOX EMISSIONS (PPMVD AT 15% O₂)
 8. AVERAGE NOX EMISSIONS (POUNDS PER DAY)
 9. TOTAL NOX EMISSIONS (POUNDS PER DAY)
 10. EXHAUST FLOW RATE (DSCFM)
 11. PERCENT OF DUCT BURNER FUEL
 12. ANY START UP, SHUTDOWN OR MALFUNCTION OF THE MONITOR
[RULE 1134, RULE 1303(b)(2)-OFFSET, RULE 218]
6. A CONTINUOUS MONITORING SYSTEM SHALL BE INSTALLED AND OPERATED TO MONITOR AND RECORD THE FUEL CONSUMPTION AND THE RATIO OF WATER TO FUEL BEING FIRED IN THE TURBINE. THIS SYSTEM SHALL BE ACCURATE TO WITHIN PLUS MINUS 5 PERCENT AND SHALL BE APPROVED BY THE EXECUTIVE OFFICER PRIOR TO INSTALLATION.
[RULE 1134, RULE 1303(b)(2)-OFFSET, RULE 218]
7. THE OPERATOR SHALL KEEP RECORDS OF RESULTS FROM THE MONITORS REQUIRED BY PERMIT CONDITION NOS. 5 AND 6. THE RECORDS SHALL BE MAINTAINED ON FILE FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE UPON REQUEST TO DISTRICT PERSONNEL.
[RULE 1134, RULE 1303(b)(2)-OFFSET]
8. WHEN FIRING DIESEL FUEL, EMISSIONS OF OXIDES OF NITROGEN AS NO₂ FROM THE COMBINED TURBINE AND DUCT BURNER EXHAUST SHALL NOT EXCEED 42 PPMV, CALCULATED DRY, AT 15% OXYGEN.
[RULE 1303(a)(1)-BACT]
9. WHEN FIRING NATURAL GAS, EMISSIONS OF OXIDES OF NITROGEN AS NO₂ FROM THE COMBINED TURBINE AND DUCT BURNER EXHAUST SHALL NOT EXCEED 21 PPMV, CALCULATED DRY, AT 15% OXYGEN.
[RULE 1134]
10. OXIDES OF SULFUR EMISSIONS REPORTED AS SO₂ FROM THIS COGENERATION PERMIT UNIT SHALL NOT EXCEED 2 POUNDS PER DAY WHILE THE TURBINE IS FIRING NATURAL GAS AND 74 POUNDS PER DAY WHILE THE TURBINE IS FIRING DIESEL FUEL. THE COMBINED SOX EMISSIONS REPORTED AS SO₂ FROM COGENERATION SYSTEM NUMBERS 1 AND 2 SHALL NOT EXCEED 3 POUNDS PER DAY WHILE THE TURBINES ARE FIRING NATURAL GAS AND 136 POUNDS PER DAY WHILE THE TURBINES ARE FIRING DIESEL FUEL.
[RULE 1303(b)(2)-OFFSET]
11. OXIDES OF NITROGEN EMISSIONS REPORTED AS NO₂ FROM THIS COGENERATION PERMIT UNIT SHALL NOT EXCEED 191 POUNDS PER DAY WHILE THE TURBINE IS FIRING NATURAL GAS AND 229 POUNDS PER DAY WHILE THE TURBINE IS FIRING DIESEL FUEL. THE COMBINED NOX



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EMISSIONS REPORTED AS NO₂ FROM COGENERATION SYSTEM NUMBERS 1 AND 2 SHALL NOT EXCEED 282 POUNDS PER DAY WHILE THE TURBINES ARE FIRING NATURAL GAS AND 339 POUNDS PER DAY WHILE THE TURBINES ARE FIRING DIESEL FUEL.
[RULE 1303(b)(2)-OFFSET]

12. CARBON MONOXIDE EMISSIONS FROM THIS COGENERATION PERMIT UNIT SHALL NOT EXCEED 182 POUNDS PER DAY WHILE THE TURBINE IS FIRING NATURAL GAS AND 466 POUNDS PER DAY WHILE THE TURBINE IS FIRING DIESEL FUEL. THE COMBINED CO EMISSIONS FROM COGENERATION SYSTEM NUMBERS 1 AND 2 SHALL NOT EXCEED 211 POUNDS PER DAY WHILE THE TURBINES ARE FIRING NATURAL GAS AND 552 POUNDS PER DAY WHILE THE TURBINES ARE FIRING DIESEL FUEL.
[RULE 1303(b)(2)-OFFSET]
13. ORGANIC EMISSIONS FROM THIS COGENERATION PERMIT UNIT SHALL NOT EXCEED 36 POUNDS PER DAY WHILE THE TURBINE IS FIRING NATURAL GAS AND 36 POUNDS PER DAY WHILE THE TURBINE IS FIRING DIESEL FUEL. THE COMBINED ORGANIC EMISSIONS FROM COGENERATION SYSTEM NUMBERS 1 AND 2 SHALL NOT EXCEED 72 POUNDS PER DAY WHILE THE TURBINES ARE FIRING NATURAL GAS AND 72 POUNDS PER DAY WHILE THE TURBINES ARE FIRING DIESEL FUEL.
[RULE 1303(b)(2)-OFFSET]
14. PARTICULATE EMISSIONS FROM THIS COGENERATION PERMIT UNIT SHALL NOT EXCEED 36 POUNDS PER DAY WHILE THE TURBINE IS FIRING NATURAL GAS AND 62 POUNDS PER DAY WHILE THE TURBINE IS FIRING DIESEL FUEL. THE COMBINED PARTICULATE EMISSIONS FROM COGENERATION SYSTEM NUMBERS 1 AND 2 SHALL NOT EXCEED 72 POUNDS PER DAY WHILE THE TURBINES ARE FIRING NATURAL GAS AND 125 POUNDS PER DAY WHILE THE TURBINES ARE FIRING DIESEL FUEL.
[RULE 1303(b)(2)-OFFSET]
15. DIESEL FUEL MAY BE BURNED IN THE TURBINE ONLY IN THE EVENT OF A NATURAL GAS CURTAILMENT OR IN THE EVENT OF AN EMERGENCY FAILURE OR MAINTENANCE REQUIREMENTS OF THE NATURAL GAS DELIVERY SYSTEM FOR BOILER TESTING WHICH IS NOT TO EXCEED ONE HALF HOUR PER MONTH.
[RULE 1303(b)(2)-OFFSET]
16. DAILY RECORDS OF DIESEL FUEL CONSUMPTION SHALL BE MAINTAINED AND MADE AVAILABLE UPON REQUEST TO DISTRICT PERSONNEL.
[RULE 1303(b)(2)-OFFSET]
17. THE MAXIMUM TOTAL QUANTITY OF NATURAL GAS USED IN ANY ONE HOUR SHALL NOT EXCEED 56530 CUBIC FEET FOR THE GAS TURBINE AND 42110 CUBIC FEET FOR THE DUCT BURNER.
[RULE 1303(b)(2)-OFFSET]
18. THE BOILER REFERENCED IN PERMIT NO. F32184 (A/N 252359) MAY BE IN OPERATION WHEN ONLY ONE OF THE COGENERATION SYSTEMS NO. 1 OR 2 IS OPERATING.
[RULE 1303(b)(2)-OFFSET]
19. WHEN BOTH COGENERATION SYSTEM NOS. 1 AND 2 ARE IN SIMULTANEOUS OPERATION, THE BOILER REFERENCED IN PERMIT NO. F32184 (A/N 252359) CANNOT BE OPERATED.



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[RULE 1303(b)(2)-OFFSET]

20. RECORDS OF DAILY OPERATION OF THE EXISTING BOILERS AND THE COGENERATION SYSTEMS SHALL BE MAINTAINED BY LOMA LINDA UNIVERSITY AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST.
[RULE 1303(b)(2)-OFFSET]

Periodic Monitoring:

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 10.1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH THE EMISSION LIMITS IN CONDITION NO. 11. 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. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSION 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 PURPOSE; 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 RECORD BY A CERTIFIED SMOKE READER.

[RULE 3004 (a)(4)]

23. THE OPERATOR SHALL CONDUCT SOURCE TEST(S) IN ACCORDANCE WITH THE FOLLOWING



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SPECIFICATIONS:

- A. THE TEST SHALL BE CONDUCTED AT LEAST ONCE DURING THE LIFE OF THE PERMIT.
- B. THE TEST SHALL BE CONDUCTED TO DETERMINE THE PARTICULATE EMISSIONS USING EPA METHOD 5.2 MEASURED OVER A 60 MINUTE AVERAGING TIME PERIOD.
- C. THE TEST SHALL BE CONDUCTED TO DEMONSTRATE COMPLIANCE WITH CONDITION NO. 13 (NATURAL GAS ONLY).
[RULE 3004 (a)(4)]

Emissions And Requirements:

24. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- NOx: 42 PPMV, RULE 1303(a)(1)-BACT
 - NOx: 21 PPMV, RULE 1134
 - CO: 2000 PPMV, RULE 407
 - SOx: 500 PPMV, RULE 407
 - PM: 0.1 GR/SCF, RULE 409
 - SOx: 2 LBS/DAY (ON NATURAL GAS), RULE 1303(b)(2)-OFFSET
 - SOx: 3 LBS/DAY (COMBINED COGEN UNITS 1 & 2, ON NATURAL GAS), RULE 1303(b)(2)-OFFSET
 - SOx: 74 LBS/DAY (ON DIESEL), RULE 1303(b)(2)-OFFSET
 - SOx: 136 LBS/DAY (COMBINED COGEN UNITS 1 & 2, ON DIESEL), RULE 1303(b)(2)-OFFSET
 - NOx: 191 LBS/DAY (ON NATURAL GAS), RULE 1303(b)(2)-OFFSET
 - NOx: 282 LBS/DAY (COMBINED COGEN UNITS 1 & 2, ON NATURAL GAS), RULE 1303(b)(2)-OFFSET
 - NOx: 229 LBS/DAY (ON DIESEL), RULE 1303(b)(2)-OFFSET
 - NOx: 339 LBS/DAY (COMBINED COGEN UNITS 1 & 2, ON DIESEL), RULE 1303(b)(2)-OFFSET
 - CO: 182 LBS/DAY (ON NATURAL GAS), RULE 1303(b)(2)-OFFSET
 - CO: 211 LBS/DAY (COMBINED COGEN UNITS 1 & 2, ON NATURAL GAS), RULE 1303(b)(2)-OFFSET
 - CO: 466 LBS/DAY (ON DIESEL), RULE 1303(b)(2)-OFFSET
 - CO: 552 LBS/DAY (COMBINED COGEN UNITS 1 & 2, ON DIESEL), RULE 1303(b)(2)-OFFSET
 - ROG: 36 LBS/DAY (ON NATURAL GAS), RULE 1303(b)(2)-OFFSET
 - ROG: 72 LBS/DAY (COMBINED COGEN UNITS 1 & 2, ON NATURAL GAS), RULE 1303(b)(2)-OFFSET
 - ROG: 36 LBS/DAY (ON DIESEL), RULE 1303(b)(2)-OFFSET
 - ROG: 72 LBS/DAY (COMBINED COGEN UNITS 1 & 2, ON DIESEL), RULE 1303(b)(2)-OFFSET
 - PM: 36 LBS/DAY (ON NATURAL GAS), RULE 1303(b)(2)-OFFSET
 - PM: 72 LBS/DAY (COMBINED COGEN UNITS 1 & 2, ON NATURAL GAS), RULE 1303(b)(2)-OFFSET
 - PM: 62 LBS/DAY (ON DIESEL), RULE 1303(b)(2)-OFFSET
 - PM: 125 LBS/DAY (COMBINED COGEN UNITS 1 & 2, ON DIESEL), RULE 1303(b)(2)-OFFSET
 - NOx: 150 PPM, 40 CFR60 SUBPART GG
 - SOx: 150 PPM, 40 CFR60 SUBPART GG



**FACILITY PERMIT TO OPERATE
LOMA LINDA UNIV**

RULE 219 EQUIPMENT

Equipment Description:

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

Periodic Monitoring:

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

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

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

[RULE 3004 (a) (4)]

Emissions And Requirements:

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

VOC: RULE 1113, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS



**FACILITY PERMIT TO OPERATE
LOMA LINDA UNIV**

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, LOW USE OR EMISSIONS

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
 - VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS
 - VOC: RULE 1107, SEE APPENDIX B FOR EMISSION LIMITS
 - VOC: RULE 1136, SEE APPENDIX B FOR EMISSION LIMITS
 - VOC: RULE 109
 - PM: RULE 481



**FACILITY PERMIT TO OPERATE
LOMA LINDA UNIV**

RULE 219 EQUIPMENT

Equipment Description:

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

Emissions And Requirements:

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

VOC: RULE 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



**FACILITY PERMIT TO OPERATE
LOMA LINDA UNIV**

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, REFRIGERATION UNITS

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
REFRIGERANT: RULE 1415



FACILITY PERMIT TO OPERATE
LOMA LINDA UNIV

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



**FACILITY PERMIT TO OPERATE
LOMA LINDA UNIV**

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