South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

July 5, 2012

Mr. Gerardo Rios (R9Airpermits_sc@epa.gov)
Chief, Permits Office
US EPA, Region IX- Air 3.
75 Hawthorne Blvd.
San Francisco, CA 94105

Dear Mr. Rios:

Los Angeles County, Sheriff Dept. has proposed to revise their Title V permit under application no. 534264 by adding two emergency engines, removing one spray booth and adding one spray booth. This is a prison facility (NAICS 92214) located at 29300 The Old Road, Saugus, CA 91384. This proposed permit revision is considered as a "de minimis significant permit revision" to their Title V permit. Attached for your review are the evaluation and section D of the Facility permit for the proposed revision. With your receipt of the proposed Title V permit revision today, we will note that the EPA 45-day review period will begin on July 5, 2012.

If you have any questions concerning these changes, please call the permit processing engineer Mr. Roy Olivares at (909) 396-2208.

Very truly yours,

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

BLY:AYL:JTY:RDO
Enclosure

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

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 COUNTY, SHERIFF DEPT.

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
385188	F39201	ICE (>500 BHP), EM ELECTRICAL GEN, DIESEL
208265	D19700	ICE (50-500 BHP), EM FIRE PUMP, DIESEL
385189	F39202	ICE (>500 BHP), EM ELECTRICAL, GEN, DIESEL
349169	F42176	BOILER, NAT GAS & OIL, 68.9 MMBTU
285837	D77661	SPRAY BOOTH PAINT & SOLVENT
477207	F97277	TURBINE ENGINE (<=50 MW)NATGAS-MISC FUEL
287364	D78741	AIR POLLUTION CONTROL SYSTEM
487830	N22770	FUEL STORAGE & DISPENSING FAC., GASOLINE
344951	F16068	ICE (>500 BHP), EM-GEN, DIESEL
G01673	P35132	SPRAY BOOTH PAINT & SOLVENT
363120	F46670	ICE (50-500 BHP), EM ELECTRICAL GEN, DIESEL
363125	F46671	ICE (50-500 BHP), EM ELECTRICAL GEN, DIESEL
497573	G6367	ICE (50-500 BHP), EM ELECTRICAL GEN, DIESEL
497574	G6368	ICE (50-500 BHP), EM ELECTRICAL GEN, DIESEL
497575	G6396	ICE (50-500 BHP), EM ELECTRICAL GEN, DIESEL
497576	G3670	ICE (50-500 BHP), EM ELECTRICAL GEN, DIESEL
516707	G15794	ICE (>500 BHP), EM-GEN, DIESEL
516708	G15795	ICE (>500 BHP), EM-GEN, DIESEL
520247	G	BOILER, NAT GAS & OIL, 69 MMBTU
520248	G	BOILER, NAT GAS & OIL, 69 MMBTU
522206	G	ICE (>500 BHP), EM-GEN, DIESEL
522208	G	ICE (>500 BHP), EM-GEN, DIESEL

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 COUNTY, SHERIFF DEPT.

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 0.0015 PERCENT BY WEIGHT.
   [RULE 431.2]

3. ACCIDENTAL RELEASE PREVENTION REQUIREMENTS OF SECTION 112 (r) (7):

   THE OPERATOR SHALL COMPLY WITH THE ACCIDENTAL RELEASE PREVENTION REQUIREMENTS PURSUANT TO 40 CFR Part 68 AND SHALL SUBMIT TO THE EXECUTIVE OFFICER, AS PART OF ANNUAL COMPLIANCE CERTIFICATION, A STATEMENT THAT CERTIFIES COMPLIANCE WITH ALL THE REQUIREMENTS OF 40 CFR Part 68, INCLUDING THE REGISTRATION AND SUBMISSION OF A RISK MANAGEMENT PLAN (RMP).

   THE OPERATOR SHALL SUBMIT ANY ADDITIONAL RELEVANT INFORMATION REQUESTED BY THE EXECUTIVE OFFICER OR DESIGNATED AGENCY.
   [40 CFR68-ACCIDENTAL RELEASE PREVENTION]

1. THE FACILTY SHALL SUBMIT A RULE 1472 COMPLIANCE PLAN ON OR BEFORE JANUARY 1, 2011.
   [RULE 1472]

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PERMIT TO OPERATE

Permit No. F39201
A/N 385188

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3516, SERIAL NO. 25Z01131, TURBOCHARGED, AFTERCOOLED, 16 CYLINDERS, 2149 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. A NON-RESETTABLE TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a), RULE 1110.2, RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NOT MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.
[RULE 1304(a), RULE 1110.2, RULE 1470]

5. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:

   A. EMERGENCY USE HOURS OF OPERATION

   B. MAINTENANCE AND TESTING HOURS

   C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)

   IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1304(a), RULE 1110.2, RULE 1470]

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6. THE OPERATION OF ENGINE BEYOND THE 50 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1304(a)(1)-BACT, RULE 1470]

7. 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)(1)-BACT, RULE 1470]

8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.
[RULE 431.2, RULE 1470]

Emissions And Requirements:

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

   PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

PERMIT TO OPERATE

Permit No.D19700
A/N 208265

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, MODEL NO. 3208, 8 CYLINDERS, FOUR CYCLE, NATURALLY ASPIRATED, DRIVING AN EMERGENCY FIRE PUMP, 141 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. A NON-RESETTABLE TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a), RULE 1110.2, RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NOT MORE THAN 34 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.
[RULE 1304(a), RULE 1110.2, RULE 1470]

5. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:

A. EMERGENCY USE HOURS OF OPERATION

B. MAINTENANCE AND TESTING HOURS

C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)

IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1304(a), RULE 1110.2, RULE 1470]

6. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.
[RULE 431.2, RULE 1470]

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Emissions And Requirements:

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

   PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

PERMIT TO OPERATE

Permit No. F39202
A/N 385189

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3516, SERIAL NO. 25Z01133, TURBOCHARGED, AFTERCOOLED, 16 CYLINDERS, 2149 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. A NON-RESETTABLE TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a), RULE 1110.2, RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NOT MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.
[RULE 1304(a), RULE 1110.2, RULE 1470]

5. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:

   A. EMERGENCY USE HOURS OF OPERATION

   B. MAINTENANCE AND TESTING HOURS

   C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)

   IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1304(a), RULE 1110.2, RULE 1470]

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6. THE OPERATION OF ENGINE BEYOND THE 50 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1304(a)(1)-BACT, RULE 1470]

7. 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)(1)-BACT, RULE 1470]

8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.
[RULE 431.2, RULE 1470]

Emissions And Requirements:

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

   PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

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LOS ANGELES COUNTY, SHERIFF DEPT.

PERMIT TO OPERATE

Permit No. F42177
A/N 349167

Equipment Description:

BOILER, KEELER, WATER TUBE TYPE, MODEL NUMBER DS-10-13, SERIAL NO. 15396-1, WITH ONE COEN LOW-NOX BURNER, MODEL 200 11632-1, NATURAL GAS OR FUEL OIL BURNER, RATED AT 68,900,000 BTU/HOUR, WITH A 40 HP COMBUSTION AIR BLOWER.

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

4. THIS EQUIPMENT SHALL COMPLY WITH THE NOX EMISSIONS LIMITS of 9 PPMV BY 1/1/2012.
[RULE 1146]

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

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

7. THIS BOILER SHALL BE FIRED WITH NATURAL GAS ONLY, EXCEPT DURING PERIODS OF NATURAL GAS CURTAILMENT, DURING MAINTENANCE TESTING WITH THE STAND BY FUEL NOT TO EXCEED 6 HOURS PER MONTH, AND DURING COMPLIANCE TESTING.
[RULE 1303(a)(1)-BACT]

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8. THIS BOILER SHALL EMIT NO MORE THAN 30 PPM OF OXIDES OF NITROGEN (NOX) CALCULATED AS NO2, AND 400 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% OXYGEN.
[RULE 1146]

9. THIS BOILER IS A BACK-UP BOILER FOR THE HONOR RANCHO FACILITY'S COGENERATION SYTEM (GAS TURBINE AND WASTE HEAT BOILER), AND SHALL NOT BE OPERATED WHENEVER THE COGENERATION SYSTEM IS IN OPERATION.
[RULE 1303(b)(2)-OFFSET]

11. THE OPERATOR OF THIS BOILER SHALL FOLLOW THE PORCEDURES SPECIFIED BY THE MANAUFACTURER TO TUNE-UP AND MAINTAIN THE COMBUSTION SYSTEM (INCLUDING BUT NOT LIMITED TO BURNERS AND AIR/FUEL CONTROL DEVICES) OF THIS BOILERTO ASSURE CONTINUED COMPLIANCE WITH THE EMISSIONS LIMITS IN CONDITION NO. 8.
[RULE 1146]

12. RECORDS SHALL BE KEPT BY THE OPERATOR TO DEMONSTATE COMPLIANCE WITH CONDITION NO. 8. THE RECORDS SHALL BE KEPT FOR FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1146]

Periodic Monitoring:

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

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

15. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSION FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THIS EQUIPMENT HAS COMBUSTED ONE MILLION GALLONS OF DIESEL FUEL, TO BE COUNTED CUMULATIVELY OVER A FIVE YEAR PERIOD. THE INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT

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IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE HOUR, THE OPERATOR SHALL EITHER:

A. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN THE SAME FASHION AS DEVIATIONS ARE REQUIRED TO BE REPORTED IN SECTION K OF THIS PERMIT; OR

B. HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION", WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATIONS TO AQMD.

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

A. STACK OR EMISSION POINT IDENTIFICATION;

B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;

C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND

D. VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER.
[RULE 3004 (a)(4)]

Emissions And Requirements:

16. IF THIS BOILER BURNS MORE THAN 200,000,000,000 (200 BILLION) BTUS OF FUEL IN ANY ONE CALENDAR YEAR, THE BOILER OPERATOR SHALL INSTALL AND OPERATE BY MARCH 1 OF THE FOLLOWING YEAR, OR JULY 1, 1993, WHICHEVER IS LATER, AN OXIDES OF NITROGEN CONTINUOUS EMISSION MONITORING SYSTEM THAT IS APPROVED BY THE EXECUTIVE OFFICER IN ACCORDANCE WITH RULE 218(b) AND SHALL CONTINUE TO OPERATE IT FOR THE LIFE OF THE BOILER.
[RULE 1146, 218(b)]

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

NOx:	30 PPMV, RULE 1146
CO:	400 PPMV, RULE 1146
CO:	2000 PPMV, RULE 407
PM:	0.1 GR/SCF, RULE 409
NOx	9 PPMV, RULE 1146, EFFECTIVE 1/1/2012

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

PERMIT TO OPERATE

Permit No. F42176
A/N 349169

Equipment Description:

BOILER, KEELER, WATER TUBE TYPE, MODEL NUMBER DS-10-13, SERIAL NO. 15396-2, WITH ONE COEN LOW-NOX BURNER, MODEL 200 11632-1, NATURAL GAS OR FUEL OIL BURNER, RATED AT 68,900,000 BTU/HOUR A 40 HP COMBUSTION AIR BLOWER

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

4. THIS EQUIPMENT SHALL COMPLY WITH THE NOX EMISSIONS LIMITS of 9 PPMV BY 1/1/2012.
[RULE 1146]

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

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

7. THIS BOILER SHALL BE FIRED WITH NATURAL GAS ONLY, EXCEPT DURING PERIODS OF NATURAL GAS CURTAILMENT, DURING MAINTENANCE TESTING WITH THE STAND BY FUEL NOT TO EXCEED 6 HOURS PER MONTH, AND DURING COMPLIANCE TESTING.
[RULE 1303(a)(1)-BACT]

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8. THIS BOILER SHALL EMIT NO MORE THAN 30 PPM OF OXIDES OF NITROGEN (NOX) CALCULATED AS NO2, AND 400 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% OXYGEN.
[RULE 1146]

9. THIS BOILER IS A BACK-UP BOILER FOR THE HONOR RANCHO FACILITY'S COGENERATION SYTEM (GAS TURBINE AND WASTE HEAT BOILER), AND SHALL NOT BE OPERATED WHENEVER THE COGENERATION SYSTEM IS IN OPERATION.
[RULE 1303(b)(2)-OFFSET]

11. THE OPERATOR OF THIS BOILER SHALL FOLLOW THE PORCEDURES SPECIFIED BY THE MANAUFACTURER TO TUNE-UP AND MAINTAIN THE COMBUSTION SYSTEM (INCLUDING BUT NOT LIMITED TO BURNERS AND AIR/FUEL CONTROL DEVICES) OF THIS BOILERTO ASSURE CONTINUED COMPLIANCE WITH THE EMISSIONS LIMITS IN CONDITION NO. 8.
[RULE 1146]

12. RECORDS SHALL BE KEPT BY THE OPERATOR TO DEMONSTATE COMPLIANCE WITH CONDITION NO. 8. THE RECORDS SHALL BE KEPT FOR FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1146]

Periodic Monitoring:

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

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

15. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSION FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THIS EQUIPMENT HAS COMBUSTED ONE MILLION GALLONS OF DIESEL FUEL, TO BE COUNTED CUMULATIVELY OVER A FIVE YEAR PERIOD. THE INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT

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IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE HOUR, THE OPERATOR SHALL EITHER:

C. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN THE SAME FASHION AS DEVIATIONS ARE REQUIRED TO BE REPORTED IN SECTION K OF THIS PERMIT; OR

D. HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION", WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATIONS TO AQMD.

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

E. STACK OR EMISSION POINT IDENTIFICATION;

F. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;

G. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND

H. VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER.
[RULE 3004 (a)(4)]

Emissions And Requirements:

16. IF THIS BOILER BURNS MORE THAN 200,000,000,000 (200 BILLION) BTUS OF FUEL IN ANY ONE CALENDAR YEAR, THE BOILER OPERATOR SHALL INSTALL AND OPERATE BY MARCH 1 OF THE FOLLOWING YEAR, OR JULY 1, 1993, WHICHEVER IS LATER, AN OXIDES OF NITROGEN CONTINUOUS EMISSION MONITORING SYSTEM THAT IS APPROVED BY THE EXECUTIVE OFFICER IN ACCORDANCE WITH RULE 218(b) AND SHALL CONTINUE TO OPERATE IT FOR THE LIFE OF THE BOILER.
[RULE 1146, 218(b)]

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

NOx:	30 PPMV, RULE 1146
CO:	400 PPMV, RULE 1146
CO:	2000 PPMV, RULE 407
PM:	0.1 GR/SCF, RULE 409
NOx	9 PPMV, RULE 1146, EFFECTIVE 1/1/2012

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PERMIT TO OPERATE

Permit No. D77661
A/N 285837

Equipment Description:

SPRAY BOOTH, BINKS AUTOMOTIVE, MODEL NO. SSA-630, 12'-0" W X 23'-1" L X 8'-2" H, WITH 60 SQUARE FOOT AREA EXHAUST FILTERS AND ONE 2 HP 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 SPRAY BOOTH SHALL NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST 2 INCHES THICK.
[RULE 1303(a)(1)-BACT]

4. A GAUGE SHALL BE INSTALLED TO INDICATE IN INCHES OF WATER THE STATIC PRESSURE DIFFERENTIAL ACROSS THE FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL MUST NOT EXCEED 0.25 INCHES OF WATER.
[RULE 1303(a)(1)-BACT]

5. THIS EQUIPMENT SHALL BE OPERATED IN COMPLIANCE WITH RULES 1151 AND 1171.
[RULE 1151, 1171]

6. COATINGS, ADHESIVES, REDUCERS, THINNERS AND WASH SOLVENTS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY COMPOUNDS IDENTIFIED AS CARCINOGENIC AIR CONTAMINANTS IN RUEL 1401 AS AMENDED DECEMBER 7, 1990.
[RULE 1401]

7. THE TOTAL QUANTITY OF VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS FROM THE USE OF COATINGS, THINNERS, REDUCERS AND CLEAN-UP SOLVENTS IN THIS EQUIPMENT SHALL NOT EXCEED 25 POUNDS IN ANY ONE DAY OR 300 POUNDS IN ANY ONE CALENDER MONTH.
[RULE 1303(b)(2)-OFFSET]

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Periodic Monitoring:

8. IN ADDITION TO THE REQUIREMENT OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY (AND CALENDER MONTHLY) VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS IN POUNDS AND THE VOC CONTENT OF EACH MATERIAL AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS). ALL RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, SHALL BE RETAINED ON THE PREMISES FOR AT LEAST FIVE YEARS, AND SHALL BE MADE AVAILABLE UPON REQUEST OF THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE.
[RULE 1303(b)(2)-OFFSET, RULE 1401]

9. THE OPERATOR SHALL DETERMINE AND RECORD THE PRESSURE DROP ACROSS THE FILTER MEDIA ONCE EVERY WEEK.
[RULE 3004 (a)(4)]

10. THE OPERATOR SHALL PERFORM A WEEKLY INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
    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
    C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.
    [RULE 3004 (a)(4)]

Emissions And Requirements:

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

    VOC: RULE 109
    VOC: RULE 1151, SEE APPENDIX B FOR EMISSION LIMITS
    VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS
    PM: RULE 481
    PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

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PERMIT TO OPERATE

Permit No. F97277
A/N 477207

Equipment Description:

COGENERATION SYSTEM (UNIT 1) CONSISTING OF:

1. GAS TURBINE, GENERAL ELECTRIC, LM2500-33, RATED AT 228,999,000 BTU PER HOUR, NATURAL GAS OR FUEL OIL FIRED, WITH A WATER INJECTION SYSTEM, DRIVING A 22.35 MW ELECTRIC GENERATOR.

2. BOILER, NOOTER, WASTE HEAT RECOVERY, UNFIRED, PRODUCING 66745 POUNDS SUPERHEATED STEAM PER HOUR AT 600 PSIG, 7800 POUNDS SATURATED STEAM PER HOUR AT 150 PSIG, AND 7090 POUNDS SATURATED STEAM PER HOUR AT 5 PSIG.

3. STEAM TURBINE, CONDENSING - EXTRACTION, DRIVING A 6.4 KW ELECTRIC GENERATOR.

Conditions

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS EQUIPMENT SHALL BE OPERATED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]

4. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT 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 1134, 1303(a)(1)-BACT]

5. THE MAXIMUM FUEL CONSUMPTION FOR THIS EQUIPMENT SHALL NOT EXCEED THE FOLLOWING:

NATURAL GAS	5,532,672 SCF/DAY
FUEL OIL	18,448 GAL/DAY

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

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6. FUEL OIL SHALL ONLY BE USED DURING PERIODS OF NATURAL GAS CURTAILMENT AND FOR A PERIOD NOT TO EXCEED 10.5 HOURS IN ANY ONE DAY OR FOR TESTING PURPOSES FOR PERIODS NOT TO EXCEED 10.5 HOURS IN ANY ONE DAY AND 100 HOURS IN ONE CALENDAR YEAR.
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]

7. WATER INJECTION SHALL BE USED WHENEVER THE GAS TURBINE GENERATOR OUTPUT EXCEEDS 5 MW AT A WATER TO FUEL MASS RATIO OF NOT LESS THAN 0.3 TO 1.0 FOR NATURAL GAS FIRING AND NOT LESS THAN 0.7 TO 1.0 FUEL OIL FIRING EXCEPT DURING STARTUP PERIODS.
[RULE 1134, 1303(a)(1)-BACT]

8. A CONTINUOUS MONITORING SYSTEM SHALL BE OPERATED TO MEASURE AND RECORD THE FUEL CONSUMPTION AND THE MASS RATIO TO WATER-TO-FUEL BEING FIRED IN THE TURBINE. THIS SYSTEM SHALL BE ACCURATE TO WITHIN + OR - 5.0 PERCENT. THIS MONITORING SYSTEM SHALL BE APPROVED IN WRITING BY THE EXECUTIVE OFFICER.
[RULE 1134, 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]

9. A CONTINUOUS MONITORING SYSTEM SHALL BE OPERATED TO MEASURE THE WASTE HEAT BOILER EXHAUST FOR NOX, O2, AND CO CONCENTRATIONS ON A DRY BASIS. IN ADDITION, THE SYSTEM SHALL CONVERT THE ACTUAL NOX AND CO CONCENTRATIONS TO CORRECTED NOX AND CO CONCENTRATIONS AT 15% O2 ON A DRY BASIS, CONTINUOUSLY RECORD THE STACK NOX, CO AND O2 CONCENTRATIONS AT 15% O2, AND STACK NOX AND CO HOURLY AND DAILY EMISSIONS. THIS MONITORING SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF RULE 218 AND SHALL BE APPROVED IN WRITING BY THE EXECUTIVE OFFICER.
[RULE 218, 1134, 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]

10. EMISSIONS OF OXIDES OF NITROGEN, AS NO2, SHALL NOT EXCEED 9 PPMV, CALCULATED AT 15% O2 DRY, BASED ON A RUNNING FIFTEEN MINUTE AVERAGING TIME EXCEPT DURING THE STARTUP PERIODS NOT TO EXCEED 30 MINUTES DURING EACH STARTUP.
[RULE 429, 1134, 1303(a)(1)-BACT]

11. EMISSIONS OF CARBON MONOXIDE SHALL NOT EXCEED 10 PPMV WHEN FIRING NATURAL GAS AND 29 PPMV WHEN FIRING FUEL OIL, CALCULATED AT 15% O2 DRY, BASED ON A RUNNING FIFTEEN MINUTE AVERAGING TIME EXCEPT DURING THE STARTUP PERIODS NOT TO EXCEED 30 MINUTES DURING EACH STARTUP.
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]

12. EMISSIONS OF ALDEHYDES, AS FORMALDEHYDE, SHALL NOT EXCEED 2.5 PPMV, CALCULATED AT 15% O2 DRY.
[RULE 1401]

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13. THE TOTAL EMISSIONS FROM THE WASTE HEAT BOILER EXHAUST SHALL NOT EXCEED THE FOLLOWING IN ANY ONE DAY EXCEPT DURING STARTUP PERIODS:

	(GAS AND OIL FIRED)	(GAS FIRED)
AIR CONTAMINANT	LBS DAY	LBS/DAY
ROG (METHANE AND NON-METHANE)	60	9
NITROGEN OXIDES (AS N02)	197	191
SULFUR DIOXIDE	298	1
PARTICULATE MATTER	180	11
CARBON MONOXIDE	252	130

[RULE 429, 1303(b)(2)-OFFSET]

14. A CONTINUOUS MONITORING SYSTEM SHALL BE OPERATED TO MEASURE AND RECORD THE MOLE RATIO OF INJECTED AMMONIA-TO-GAS TURBINE OUTLET NOX. THE SYSTEM SHALL BE ACCURATE TO WITHIN + OR - 5.0 PERCENT. THIS MONITORING SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF RULE 218 AND SHALL BE APPROVED IN WRITING BY THE EXECUTI VE OFFICER.
[RULE 218, 1303(a)(1)-BACT]

15. THE OWNER/OPERATOR SHALL CONDUCT ANNUAL PERFORMANCE TESTS IN ACCORDANCE WITH SCAQMD TEST PROCEDURES AND FURNISH SCAQMD A WRITTEN RESULT OF SUCH PERFORMANCE TESTS. WRITTEN NOTICE OF THE PERFORMANCE TEST SHALL BE PROVIDED TO THE SCAQMD 7 DAYS PRIOR TO THE TEST SO THAT AN OBSERVER MAY BE PRESENT. THE PERFORMANCE TESTS WILL INCLUDE, BUT MAY NOT BE LIMITED TO, A TEST OF THE EXHAUST STREAM DIRECTLY IN THE STACK, DURING NATURAL GAS FIRING AND DURING FUEL OIL FIRING FOR:

A. HYDROCARBONS (METHANE AND NON-METHANE).

B. NH3 (STACK ONLY).

C. MOISTURE.

D. PARTICULATES (FUEL OIL FIRING ONLY).

E. ALDEHYDES.

F. OXIDES OF NITROGEN EMISSIONS (AS NO_2).

G. CARBON MONOXIDE.

H. OXYGEN

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TEST PROCEDURES SET FORTH IN 40 CFR, SUBPART GG, SECTION 60.335 SHALL BE FOLLOWED. A SOURCE TESTING PLAN SHALL BE SUBMITTED TO THE DISTRICT AND APPROVED IN WRITING BY THE EXECUTIVE OFFICER PRIOR TO ANY TESTS. CERTIFIED EMISSION MONITORS CAN BE USED TO DEMONSTRATE COMPLIANCE FOR ITEMS F, G, AND H.
[RULE 1134, 1303(a)(1)-BACT, 1303(b)(2)-OFFSET, 40CFR60 SUBPART GG]

16. SAMPLING PORTS SHALL BE PROVIDED IN THE GAS TURBINE EXHAUST DUCT AND AFTER THE WASTE HEAT BOILER, 8-10 DUCT DIAMETERS DOWNSTREAM AND TWO DUCT DIAMETERS UPSTREAM OF ANY FLOW DISTURBANCE. AT EACH LOCATION, TWO SAMPLING PORTS AT 90 DEGREES APART SHALL BE PROVIDED AND SHALL CONSIST OF TWO 4 INCH WELDED NIPPLES WITH PLUGS. AN EQUIVALENT METHOD OF EMISSION SAMPLING MAY BE USED UPON APPROVAL OF THE DISTRICT. ADEQUATE AND SAFE ACCESS SHALL BE PROVIDED BY THE OWNER/OPERATOR.
[RULE 217]

17. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE MAINTAINED ON FILE FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER UPON REQUEST.
[RULE 1303(b)(2)-OFFSET]

18. THE COOLING TOWER SHALL BE DESIGNED FOR A MAXIMUM DRIFT LOSS OF 0.002% OF TOTAL CIRCULATING WATER.
[RULE 1303(a)(1)-BACT]

19. THE MAXIMUM WATER CIRCULATION RATE IN THE COOLING TOWER SHALL BE DESIGNED TO NOT EXCEED 5100 GPM.
[RULE 1303(a)(1)-BACT]

20. THE COOLING WATER TREATMENT SHALL NOT CONTAIN ANY TOXIC COMPOUNDS, INCLUDING CHROMATE.
[RULE 1401]

21. THE TOTAL SOLIDS CONCENTRATION IN THE CIRCULATING COOLING WATER, INCLUDING DISSOLVED AND SUSPENDED SOLIDS, SHALL NOT EXCEED 3200 PPMV.
[RULE 1303(a)(1)-BACT]

22. THE OWNER/OPERATOR SHALL PERFORM TOTAL SOLIDS DETERMINATIONS ON THE CIRCULATING COOLING WATER AT A FREQUENCY CONSISTENT WITH NORMAL PLANT MAINTENANCE PRACTICES OR AT MINIMUM ON A QUARTERLY BASIS AND MAINTAIN WRITTEN RESULTS OF SUCH TESTS.
[RULE 1303(a)(1)-BACT]

23. A CONTINUOUS MONITORING SYSTEM SHALL BE OPERATED TO MEASURE AND RECORD THE VOLUMETRIC FLOW RATE IN THE EXHAUST STACK. THIS MONITORING SYSTEM SHALL BE APPROVED IN WRITING BY THE EXECUTIVE OFFICER.
[1303(a)(1)-BACT]

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24. THIS PROJECT IS SUBJECT TO THE STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES (40 CTR 60, SUBPARTS "A" AND "GG").
[40CFR60 SUBPARTS A AND GG]

25. THE OPERATOR SHALL KEEP THE FOLLOWING RECORDS:

    A. A DAILY LOG SHOWING THE QUANTITY OF NATURAL GAS BURNED IN EACH HOUR.

    B. A DAILY LOG, IF FUEL OIL WAS USED, SHOWING THE REASON WHY NATURAL GAS WAS NOT USED, THE NUMBER OF HOURS DURING WHICH FUEL OIL WAS USED, AND THE QUANTITY OF FUEL OIL BURNED IN EACH HOUR.

    C. A SPECIFICATION SHEET OR FUEL OIL ANALYSIS REPORT, FOR EACH LOAD OF FUEL OIL RECEIVED, SHOWING THE WEIGHT PERCENT OF SULFUR AND THE API GRAVITY OF THE FUEL.

    D. THE RESULT FROM THE MONITORS REQUIRED BY PERMIT CONDITION NOS. 8, 9, 15, AND 24.

    ALL RECORDS SHALL BE MAINTATNED ON FILE FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE UPON REQUEST TO DISTRICT PERSONNEL.
    [RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]

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Periodic Monitoring:

26. 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)]

27. 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 PM EMISSIONS USING EPA METHOD 5.2 MEASURED OVER A 60 MINUTE AVERAGING TIME PERIOD.
    C. THE TEST SHALL BE CONDUCTED TO DEMONSTRATE COMPLIANCE WITH RULE [RULE 3004 (a)(4)].
    [RULE 3004 (a)(4)]

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Emissions And Requirements:

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

CO: 10 PPMV ON NATURAL GAS FUEL, RULE 1303(a)(1)-BACT
CO: 29 PPMV ON DIESEL FUEL, RULE 1303(a)(1)-BACT
CO: 2000 PPMV, RULE 407
NOx: 9 PPMV, RULE 1134, 1303(a)(1)-BACT
NOx: 42 PPMV, 40CFR60 SUBPART kkkk
PM: 0.1 GR/SCF, RULE 409
PM: 11 LB/HR, 0.01 GR/SCF (FOR COMPLIANCE WITH RULE 475 EMISSIONS MAY EXCEED EITHER ONE OF THESE LIMITS BUT NOT BOTH AT THE SAME TIME), RULE 475
SOx: 500 PPMV, RULE 407

SOx: 06 LB/mmbtu of SO2 in fuel, 40CFR60 SUBPART kkkk
ALDEHYDES AS FORMALDEHYDE: 2.5 PPMV, RULE 1401

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PERMIT TO OPERATE

Permit No. D78741
A/N 287364

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. REACTOR, HITACHI-AMERICA, NOX SELECTIVE CATALYTIC REACTOR, 11'- 2" W. X 24' - 11" L. X 9'- 10" H. WITH 621.5 CUBIC FEET OF PLATE-TYPE CATALYST.

2. REACTOR, ENGLEHARDT, CARBON MONOXIDE OXIDATIVE CATALYST, 12'- 0" W. X 22' - 8" L., FRAME HELD, WITH 70 CUBIC FEET OF HONEYCOMB TYPE CATALYST.

3. AMMONIA INJECTION SYSTEM, BABCOCK - HITACHI K.K.

4. AMMONIA STORAGE AND VAPORIZATION SYSTEM.

SERVING COGENERATION SYSTEM NO. 1.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

3. THIS EQUIPMENT SHALL BE OPERATED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]

4. THE OWNER/OPERATOR SHALL CONDUCT QUARTERLY TESTS TO DETERMINE STACK OUTLET NH3 EMISSIONS. SAID DATA SHALL BE MAINTAINED ON FILE FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER UPON REQUEST.
[RULE 1303(a)(1)-BACT]

5. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE MAINTAINED ON FILE FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER UPON REQUEST. .
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]

6. EMISSIONS OF AMMONIA SHALL NOT EXCEED 20 PPMV, CALCULATED AT 15% O2 DRY, BASED ON A RUNNING FIFTEEN MINUTE AVERAGING TIME.
[RULE 1303(a)(1)-BACT]

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7. THE OWNER/OPERATOR SHALL MAINTAIN A BOUND NOTEBOOK-TYPE LOGBOOK WITH PRE-PRINTED NUMBERED PAGES. SUCH LOGBOOK SHALL CONTAIN THE FOLLOWING DATA FOR THE CERTIFIED CONTINUOUS EMISSION MONITORING EQUIPMENT.

   1. DATE.
   2. NAME OF PERSONNEL PERFORMING THE MAINTENANCE OR ADJUSTMENTS.
   3. SCHEDULED MAINTENANCE PROCEDURFS/REPLACEMENTS.
   4. UNSCHEDULED MAINTENANCE PROCEDURES/REPLACEMENTS.
   5. INSTRUMENT OUTAGES/READINGS.
   6. LOG ON INSTRUMENT ZERO AND SPAN READINGS (INCLUDING BEFORE AND AFTER ANY ADJUSTMENTS).
   7. ANALYZER/POLLUTANT AFFECTED.
   8. BRIEF DESCRIPTION OF WORK PERFORMED.

   ALL ENTRIES IN THIS LOGBOOK SHALL BE IN INK AND THE LOGBOOK SHALL BE KEPT IN THE PLANT CONTROL ROOM. SUCH LOGBOOK SHALL BE KEPT FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE DISTRICT PERSONNEL UPON REQUEST.
   [RULE 1303(a)(1)-BACT]

Periodic Monitoring:

8. THE OPERATOR SHALL INSTALL AND MAINTAIN A TEMPERATURE GAUGE TO ACCURATELY INDICATE THE TEMPERATURE AT THE INLET OF THE CATALYST. THE OPERATOR SHALL ALSO INSTALL AND MAINTAIN A DEVICE TO CONTINUOUSLY RECORD THE PARAMETER BEING MEASURED.
   [RULE 3004 (a)(4)]

Emissions and Requirements:

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

   NH3: 20 PPMV, RULE 1303(a)(1)

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

PERMIT TO OPERATE

Permit No. N2270
A/N 487830

Equipment Description:

Fuel Storage and Dispensing Facility Consisting of:

1) 4 - GASOLINE NOZZLES DISPENSING 4 PRODUCTS EQUIPPED WITH HEALY ENHANCED VAPOR RECOVERY (EVR) NOZZLES, A TANK PRESSURE MONITORING DEVICE, AND NOT INCLUDING IN-STATION DIAGNOSTICS (ISD) SYSTEM.

2) 2 - GASOLINE UNDERGROUND STORAGE TANKS, EACH 15,000 GALLON CAPACITY, EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM OPW (VR-102-E/I), 2 METHANOL COMPATIBLE.

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.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. ALL PERMIT CONDITIONS APPLICABLE TO THE EQUIPMENT DESCRIBED IN THE PREVIOUS PERMIT TO OPERATE N15812 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 461]

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.

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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]

7. THE DISTRICT AT ITS DISCRETION MAY WISH TO WITNESS THE INSTALLATION AND/OR PERFORMANCE TESTING OF THE VST PHASE II EVR SYSTEM NOT INCLUDING ISD SYSTEM. AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE INSTALLATION AND PERFORMANCE TESTING OF THE VST PHASE II EVR SYSTEM NOT 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. 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]

10. DEPENDING ON THE SYSTEM CONFIGURATION, A LEAK RATE TEST OF THE 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 THE 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 DAYS (10) 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

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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. 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]

14. THIS FACILITY SHALL ACHIEVE COMPLIANCE WITH RULE 461(C)(2) BY APRIL 1, 2012, AS AMENDED ON MARCH 7, 2008.
[RULE 461]

15. THIS FACILITY IS REQUIRED TO INSTALL A TANK PRESSURE MONITORING AND RECORDING DEVICE NO LATER THAN APRIL 1, 2009.
[RULE 461]

16. NO FUEL SHALL BE DISPENSED INTO ANY MOTOR VEHICLE THAT IS NOT OWNED OR UNDER DIRECT CONTROL OF THE OPERATOR, EXCEPT FOR MOTOR VEHICLES USED IN EMERGENCY RESPONSE.
[RULE 461]

17. NO FUEL SHALL BE DISPENSED INTO ANY MOTOR VEHICLE THAT IS NOT EQUIPPED WITH AN ONBOARD REFUELING VAPOR RECOVERY (ORVR) SYSTEM, EXCEPT FOR MOTOR VEHICLES USED IN EMERGENCY RESPONSE.
[RULE 461]

18. THE OPERATOR SHALL MAINTAIN THE FOLLOWING RECORDS:

    A) DATE OF REFUELING EPISODE,
    B) QUANTITY OF FUEL DISPENSED, BY EACH MOTOR VEHICLE,
    C) THE MOTOR VEHICLE'S MAKE, MODEL, MODEL YEAR, AND IDENTIFICATION NUMBER OF ALL MOTOR VEHICLES REFUELED AT THE FACILITY, AND
    D) CALIBRATION RECORDS FOR THE TANK PRESSURE MONITORING SYSTEM.

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THE ABOVE MENTIONED RECORDS SHALL BE MAINTAINED AT THE FACILITY FOR AT LEAST FIVE (5) YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER UPON REQUEST.
[RULE 461]

19. UNLESS AQMD RULE 461 REQUIRES A MORE FREQUENT TESTING OR INSPECTION SCHEDULE AND IF APPLICABLE, 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 SYSTEM, AS WELL AS ALL THE REQUIRED VAPOR RECOVERY SYSTEM TESTS AS PER THE CURRENT AND APPROPRIATE ARB EXECUTIVE ORDER.
[RULE 461]

20. ITHE 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]

21. 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]

22. 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 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]

23. 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:

GASOLINE THROUGHPUT PER CALENDAR YEAR	DATE
GREATER THAN 1.8 MILLION GALLONS	SEPTEMBER 1, 2009
BETWEEEN 600,000 AND 1.8 MILLION GALLONS	SEPTEMBER 1, 2010

[RULE 461]

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24. 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]

25. THE MAXIMUM QUANTITY OF GASOLINE DISPENSED FROM THE STORAGE TANKS AT THIS FACILITY SHALL NOT EXCEED 41,666 GALLONS IN ANY ONE CALENDAR MONTH NOR 500,000 GALLONS IN ANY ONE CALENDAR YEAR.
[RULE 1303 (b)(2)-OFFSETS, RULE 1401]

26. RECORDS OF MONTHLY AND ANNUAL FUEL DISPENSED SHALL BE PREPARED, SHALL BE RETAINED ON SITE FOR FIVEYEARS, AND SHALL BE MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.
[RULE 1303 (b)(2)-OFFSETS, RULE 1401]

Periodic Monitoring:

27. THE OPERATOR SHALL HAVE A PERSON THAT HAS BEEN TRAINED IN ACCORDANCE WITH RULE 461(C)(6) 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:

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

    VOC: RULE 461
    VOC: RULE 1170

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LOS ANGELES COUNTY, SHERIFF DEPT.

PERMIT TO OPERATE

Permit No. F16068
A/N 344951

Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, 6 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. 6063-TK36 (410 KW), 550 BHP, DIESEL-FUELED, DRIVING AN EMERGENCY ELECTRICAL 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. A NON-RESETTABLE TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a), RULE 1110.2, RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NOT MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.
[RULE 1304(a), RULE 1110.2, RULE 1470]

5. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:

   A. EMERGENCY USE HOURS OF OPERATION

   B. MAINTENANCE AND TESTING HOURS

   C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)

   IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1304(a), RULE 1110.2, RULE 1470]

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6. THE OPERATION OF ENGINE BEYOND THE 20 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1304(a)(1)-BACT, RULE 1470]

7. 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)(1)-BACT, RULE 1470]

8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.
[RULE 431.2, RULE 1470]

Emissions And Requirements:

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

   PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

PERMIT TO OPERATE

Permit No. P35132
A/N G01673

Equipment Description:

SPRAY BOOTH, FLOOR TYPE, 8'-0" W. X 7'-2" L. X 9'-2" H., WITH EXHAUST FILTERS AND 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 NOT BE OPERATED IN A MANNER WHICH RESULTS IN THE DISCHARGE INTO THE ATMOSPHERE IN ANY ONE DAY, OF NO MORE THAN 40 POUNDS OF ORGANIC MATERIALS FROM THE USE OF VOC.
[[RULE 1303 (b)(2)]

Periodic Monitoring:

4. 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)]

5. 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)]

6. THE OPERATOR SHALL PERFORM A WEEKLY INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

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

[RULE 3004 (a)(4)]

Emissions And Requirements:

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

VOC: RULE 109
VOC: RULE 1136, SEE APPENDIX B FOR EMISSION LIMITS
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 481
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

PERMIT TO OPERATE

Permit No. F46670
A/N 363120

Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 10637005, SERIAL NO. 6A0262031, DIESEL FUELED, SIX CYLINDERS, NATURALLY ASPIRATED, 189 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. A NON-RESETTABLE TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a), RULE 1110.2, RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NOT MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.
[RULE 1304(a), RULE 1110.2, RULE 1470]

5. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:

   A. EMERGENCY USE HOURS OF OPERATION

   B. MAINTENANCE AND TESTING HOURS

   C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)

   IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1304(a), RULE 1110.2, RULE 1470]

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LOS ANGELES COUNTY, SHERIFF DEPT.

6. THE OPERATION OF ENGINE BEYOND THE 20 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1304(a)(1)-BACT, RULE 1470]

7. 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)(1)-BACT, RULE 1470]

8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.
[RULE 431.2, RULE 1470]

Emissions And Requirements:

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

   PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

PERMIT TO OPERATE

Permit No. F46671
A/N 363125

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, EMERGENCY ELECTRICAL GENERATION, MODEL NO. NT-855-G2, SERIAL NO. 30306998, DIESEL FUELED, EIGHT CYLINDERS, TURBOCHARGED, 355 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. A NON-RESETTABLE TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a), RULE 1110.2, RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NOT MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.
[RULE 1304(a), RULE 1110.2, RULE 1470]

5. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:

   A. EMERGENCY USE HOURS OF OPERATION

   B. MAINTENANCE AND TESTING HOURS

   C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)

   IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1304(a), RULE 1110.2, RULE 1470]

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LOS ANGELES COUNTY, SHERIFF DEPT.

6. THE OPERATION OF ENGINE BEYOND THE 20 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1304(a)(1)-BACT, RULE 1470]

7. 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)(1)-BACT, RULE 1470]

8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.
[RULE 431.2, RULE 1470]

Emissions And Requirements:

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

   PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

PERMIT TO OPERATE

Permit No. G6367
A/N 497573

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, MODEL QSL9-G3, DIESEL FUEL, 6 CYLINDERS, TURBOCHARGED AND AFTERCOOLED, RATED AT 399 B.H.P, 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 THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2, RULE 1470 AND 1472.
[RULE 431.2, RULE 1470, RULE 1472]

4. A NON-RESETTABLE TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a), RULE 1110.2, RULE 1470]

5. THIS ENGINE SHALL BE OPERATED TO A MAXIMUM OF 200 HOURS PER CALENDAR YEAR. THIS ENGINE SHALL BE OPERATED TO A MAXIMUM OF 2.1 HOURS PER MONTH AND 25.2 HOURS PER YEAR FOR REGULAR MAINTENANCE AND TESTING
[RULE 1304(a), RULE 1110.2, RULE 1470]

6. THE OPERATION OF ENGINE BEYOND THE 25.2 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1304(a)(1)-BACT, RULE 1470]

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

7. 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)(1)-BACT, RULE 1470]

8. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:

A. EMERGENCY USE HOURS OF OPERATION

B. MAINTENANCE AND TESTING HOURS

C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)

IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1303(b)(2), RULE 1110.2, RULE 1470]

Emissions And Requirements:

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

PM RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM RULE 1470

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

PERMIT TO OPERATE

Permit No. G6368
A/N 497574

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, MODEL QSB5-G3, DIESEL FUEL, 4 CYLINDERS, TURBOCHARGED AND AFTERCOOLED, RATED AT 145 B.H.P, 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 THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2, RULE 1470 AND 1472.
[RULE 431.2, RULE 1470, RULE 1472]

4. A NON-RESETTABLE TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a), RULE 1110.2, RULE 1470]

5. THIS ENGINE SHALL BE OPERATED TO A MAXIMUM OF 200 HOURS PER CALENDAR YEAR. THIS ENGINE SHALL BE OPERATED TO A MAXIMUM OF 2.5 HOURS PER MONTH AND 30 HOURS PER YEAR FOR REGULAR MAINTENANCE AND TESTING
[RULE 1304(a), RULE 1110.2, RULE 1470]

6. THE OPERATION OF ENGINE BEYOND THE 30 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1304(a)(1)-BACT, RULE 1470]

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

7. 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)(1)-BACT, RULE 1470]

8. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:

A. EMERGENCY USE HOURS OF OPERATION

B. MAINTENANCE AND TESTING HOURS

C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)

IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1303(b)(2), RULE 1110.2, RULE 1470]

Emissions And Requirements:

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

PM RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM RULE 1470

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

PERMIT TO OPERATE

Permit No. G6369
A/N 497575

Equipment Description:

INTERNAL COMBUSTION ENGINE, NO. 1, CUMMINS, MODEL QSB7-G3, DIESEL FUEL, 6 CYLINDERS, TURBOCHARGED AND AFTERCOOLED, RATED AT 250 B.H.P, 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 THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2, RULE 1470 AND 1472.
[RULE 431.2, RULE 1470, RULE 1472]

4. A NON-RESETTABLE TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a), RULE 1110.2, RULE 1470]

5. THIS ENGINE SHALL BE OPERATED TO A MAXIMUM OF 200 HOURS PER CALENDAR YEAR. THIS ENGINE SHALL BE OPERATED TO A MAXIMUM OF 2.5 HOURS PER MONTH AND 30 HOURS PER YEAR FOR REGULAR MAINTENANCE AND TESTING
[RULE 1304(a), RULE 1110.2, RULE 1470]

6. THE OPERATION OF ENGINE BEYOND THE 30 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1304(a)(1)-BACT, RULE 1470]

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

7. 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)(1)-BACT, RULE 1470]

8. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:

   A. EMERGENCY USE HOURS OF OPERATION

   B. MAINTENANCE AND TESTING HOURS

   C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)

   IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
   [RULE 1303(b)(2), RULE 1110.2, RULE 1470]

Emissions And Requirements:

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

   PM RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
   PM RULE 1470

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

PERMIT TO OPERATE

Permit No. G6370
A/N 497576

Equipment Description:

INTERNAL COMBUSTION ENGINE, NO. 2, CUMMINS, MODEL QSB7-G3, DIESEL FUEL, 6 CYLINDERS, TURBOCHARGED AND AFTERCOOLED, RATED AT 250 B.H.P, 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 THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2, RULE 1470 AND 1472.
[RULE 431.2, RULE 1470, RULE 1472]

4. A NON-RESETTABLE TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a), RULE 1110.2, RULE 1470]

5. THIS ENGINE SHALL BE OPERATED TO A MAXIMUM OF 200 HOURS PER CALENDAR YEAR. THIS ENGINE SHALL BE OPERATED TO A MAXIMUM OF 2.5 HOURS PER MONTH AND 30 HOURS PER YEAR FOR REGULAR MAINTENANCE AND TESTING
[RULE 1304(a), RULE 1110.2, RULE 1470]

6. THE OPERATION OF ENGINE BEYOND THE 30 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1304(a)(1)-BACT, RULE 1470]

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

7. 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)(1)-BACT, RULE 1470]

8. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:

   A. EMERGENCY USE HOURS OF OPERATION

   B. MAINTENANCE AND TESTING HOURS

   C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)

   IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
   [RULE 1303(b)(2), RULE 1110.2, RULE 1470]

Emissions And Requirements:

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

   PM RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
   PM RULE 1470

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

PERMIT TO OPERATE

Permit No. G15794
A/N 516707

Equipment Description:

INTERNAL COMBUSTION ENGINE, NO. 1, CUMMINS, MODEL NO. QSK50-G4, DIESEL-FUELED, SIXTEEN CYLINDERS, FOUR CYCLE, TURBOCHARGED AND AFTERCOOLED, RATED AT 2220 BHP, WITH AN DIESEL PARTICULATE FILTER, JOHNSON MATTHEY, MODEL CRT(+)12-C-BIEO-CS-24-RT AND CRTDM DIAGNOSTIC MODULE AND DATA LOGGING AND ALARM SYSTEM, MODEL CRT, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
   [204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
   [204]

3. THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 431.2 AND RULE 1470.
   [RULE 1470, RULE 431.2]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING AND NO MORE THAN 4.2 HOURS IN ANY ONE MONTH FOR MAINTENANCE AND TESTING.
   [RULE 1110.2, RULE 1303 (a), RULE 1470]

5. OPERATING BEYOND THE 50 HOURS PER YEAR ALLOTED 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 COUNTY, SHERIFF DEPT.

6. 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]

7. 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 1470]

8. 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]

9. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATI 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)]

10. THIS ENGINE SHALL NOT BE OPERATED UNLESS ITS EXHAUST IS VENTED TO THE DIESEL PARTICULATE FILTER WHICH SHALL BE IN FULL OPERATION AND IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 1303 (a)]

11. THE OPERATOR SHALL NOT OPERATE THE DIESEL PARTICULATE FILTER SYSTEM WITHOUT AN CTRdm MODULE. THE MODULE CONSIST OF OPERATIONAL DATA LOGGING OF EXHAUST TEMPERATURE, BACKPRESSURE AND ALARM SYSTEM.
[RULE 1303 (a)]

12. THE PRESSURE DROP DIFFERENTIAL ACROSS THE DIESEL PARTICULATE FILTER SHALL NOT EXCEED 20 INCHES W.C.
[RULE 1303 (a)]

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

13. THE DIESEL ENGINE SHALL OPERATE AT AN ENGINE DUTY CYCLE REQUIRED TO ACHIEVE 464 DEGREE FAHRENHEIT OR ABOVE IN THE EXHAUST GAS STREAM FOR 40% OF THE DUTY CYCLE. [RULE 1303 (a)]

14. THIS ENGINE SHALL NOT BE OPERATED IN IDLE MODE FOR MORE THAN 720 CONSECUTIVE MINUTES.
[RULE 1303 (a)]

15. THE TEMPERATURE OF THE ENGINE EXHAUST GAS AT THE INLET TO THE DIESEL PARTICULATE FILTER SYSTEM SHALL BE GREATER THAN OR EQUAL TO 464 DEGREES FAHRENHEIT EXCEPT DURING START-UP.
[RULE 1303 (a)]

16. THE OPERATOR SHALL REGENERATE THE DIESEL PARTICULATE FILTER WHENEVER WARNING SIGNAL IS RECEIVED FROM THE ALARM SYSTEM. IN ORDER TO ACHIEVE FILTER REGENERATION, THE OPERATOR SHALL RUN THE ENGINE UNTIL THE EXHAUST TEMPERATURE EXCEEDS 464 DEGREES FAHRENHEIT AND THE BACKPRESSURE MONITORING SYSTEM INDICATES A NORMAL BACKPRESSURE READING.
[RULE 1303 (a)]

17. AFTER EVERY SIX MONTHS NORMAL ENGINE OPERATION, THE OPERATOR SHALL INSPECT THE INTEGRITY OF THE FILTER AND DETERMINE IF THE FILTER NEEDS TO BE CLEANED.
[RULE 1303 (a)]

18. THE OPERATOR SHALL KEEP RECORDS OF PARTICULATE FILTER INSPECTIONS, REPLACEMENTS AND MANUAL REGENERATIONS. THE OPERATOR SHALL MAINTAIN THESE RECORDS FOR A MINIMUM OF FIVE YEARS AND MAKE THEM AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303 (a)]

19. SULFUR CONTENT OF DIESEL FUEL SUPPLIED TO THE ENGINE SHALL NOT EXCEED 15 PPM BY WEIGHT.
[RULE 1303 (a)-BACT]

Emissions And Requirements:

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

    PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

PERMIT TO OPERATE

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

Permit No. G15795
A/N 516708

Equipment Description:

INTERNAL COMBUSTION ENGINE, NO. 2, CUMMINS, MODEL NO. QSK50-G4, DIESEL-FUELED, SIXTEEN CYLINDERS, FOUR CYCLE, TURBOCHARGED AND AFTERCOOLED, RATED AT 2220 BHP, WITH AN DIESEL PARTICULATE FILTER, JOHNSON MATTHEY, MODEL CRT(+)12-C-BIEO-CS-24-RT AND CRTDM DIAGNOSTIC MODULE AND DATA LOGGING AND ALARM SYSTEM, MODEL CRT, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[204]

3. THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 431.2 AND RULE 1470.
[RULE 1470, RULE 431.2]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING AND NO MORE THAN 4.2 HOURS IN ANY ONE MONTH FOR MAINTENANCE AND TESTING.
[RULE 1110.2, RULE 1303 (a), RULE 1470]

5. OPERATING BEYOND THE 50 HOURS PER YEAR ALLOTED 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]

6. 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]

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

7. 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 1470]

8. 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]

9. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATIN 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)]

10. THIS ENGINE SHALL NOT BE OPERATED UNLESS ITS EXHAUST IS VENTED TO THE DIESEL PARTICULATE FILTER WHICH SHALL BE IN FULL OPERATION AND IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 1303 (a)]

11. THE OPERATOR SHALL NOT OPERATE THE DIESEL PARTICULATE FILTER SYSTEM WITHOUT AN CTRdm MODULE. THE MODULE CONSIST OF OPERATIONAL DATA LOGGING OF EXHAUST TEMPERATURE, BACKPRESSURE AND ALARM SYSTEM.
[RULE 1303 (a)]

12. THE PRESSURE DROP DIFFERENTIAL ACROSS THE DIESEL PARTICULATE FILTER SHALL NOT EXCEED 20 INCHES W.C.
[RULE 1303 (a)]

13. THE DIESEL ENGINE SHALL OPERATE AT AN ENGINE DUTY CYCLE REQUIRED TO ACHIEVE 464 DEGREE FAHRENHEIT OR ABOVE IN THE EXHAUST GAS STREAM FOR 40% OF THE DUTY CYCLE.
[RULE 1303 (a)]

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

14. THIS ENGINE SHALL NOT BE OPERATED IN IDLE MODE FOR MORE THAN 720 CONSECUTIVE MINUTES.
[RULE 1303 (a)]

15. THE TEMPERATURE OF THE ENGINE EXHAUST GAS AT THE INLET TO THE DIESEL PARTICULATE FILTER SYSTEM SHALL BE GREATER THAN OR EQUAL TO 464 DEGREES FAHRENHEIT EXCEPT DURING START-UP.
[RULE 1303 (a)]

16. THE OPERATOR SHALL REGENERATE THE DIESEL PARTICULATE FILTER WHENEVER WARNING SIGNAL IS RECEIVED FROM THE. IN ORDER TO ACHIEVE FILTER REGENERATION, THE OPERATOR SHALL RUN THE ENGINE UNTIL THE EXHAUST TEMPERATURE EXCEEDS 464 DEGREES FAHRENHEIT AND THE BACKPRESSURE MONITORING SYSTEM INDICATES A NORMAL BACKPRESSURE READING.
[RULE 1303 (a)]

17. AFTER EVERY SIX MONTHS NORMAL ENGINE OPERATION, THE OPERATOR SHALL INSPECT THE INTEGRITY OF THE FILTER AND DETERMINE IF THE FILTER NEEDS TO BE CLEANED
[RULE 1303 (a)]

18. THE OPERATOR SHALL KEEP RECORDS OF PARTICULATE FILTER INSPECTIONS, REPLACEMENTS AND MANUAL REGENERATIONS. THE OPERATOR SHALL MAINTAIN THESE RECORDS FOR A MINIMUM OF FIVE YEARS AND MAKE THEM AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303 (a)]

19. SULFUR CONTENT OF DIESEL FUEL SUPPLIED TO THE ENGINE SHALL NOT EXCEED 15 PPM BY WEIGHT.
[RULE 1303 (a)-BACT]

Emissions And Requirements:

20. 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 COUNTY, SHERIFF DEPT.

Permit No. G
A/N 520247

Equipment Description:

BOILER, NO. 3, WATER TUBE, KEELER, NUMBER DS-10-13, SERIAL NO. 15396-1, NATURAL GAS ~~OR~~ WITH FUEL OIL STANDBY FUEL, WITH ONE COMBUSTION LOW NOX BURNER, AMERICAN COMBUSTION TECHNOLOGIES, MODEL AC107G-SLE, RATED AT 69,000,000 BTU PER, A 75 H.P. COMBUSTION AIR BLOWER AND FLUE GAS RECIRCULATION SYSTEM AND OXYGEN TRIM.

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.
[204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[204]

3. THIS EQUIPMENT SHALL COMPLY WITH RULE 1146.
[RULE 1146]

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

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

6. THIS BOILER SHALL EMIT NO MORE THAN 30 PPM FOR OXIDES OF NITROGEN (NOX) MEASURED BY VOLUME ON A DRY BASIS AT 3% OXYGEN AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES WHEN FIRING ON NATURAL GAS.
[RULE 1146]

7. EFFECTIVE 1/1/2014 THIS BOILER SHALL EMIT NO MORE THAN 5 PPM FOR OXIDES OF NITROGEN (NOX) MEASURED BY VOLUME ON A DRY BASIS AT 3% OXYGEN AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES WHEN FIRING ON NATURAL GAS.
[RULE 1146]

8. EMISSIONS OF NOX SHALL NOT EXCEED 40 PPM REFERENCED AT 3% O2 ON A DRY BASIS, AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES WHENEVER THIS EQUIPMENT IS FIRED WITH OIL.
[RULE 1146]

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9. EMISSIONS OF CO SHALL NOT EXCEED 400 PPM REFERENCED AT 3% O2 ON A DRY BASIS, AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES.
[RULE 1146]

10. THE BOILER SHALL BE FIRED ON NATURAL GAS ONLY, EXCEPT DURING PERIODS OF NATURAL GAS CURTAILMENT, DURING MAINTENANCE TESTING WITH STAND-BY FUEL NOT TO EXCEED SIX HOURS PER MONTH, AND DURING COMPLIANCE TESTING.
[RULE 1146]

11. THE BURNER SHALL NOT FIRE ON LESS THAN 10939 SCF/HR OF NATURAL GAS DURING NORMAL OPERATION, NOT INCLUDING START-UPS AND SHUTDOWNS.
[RULE 1146]

12. FUEL OIL SUPPLIED TO THE BURNER SHALL BE NO. 2 OR A LIGHTER GRADE AS DESCRIBED BY THE LATEST ASTM SPECIFICATIONS AND SHALL CONTAIN LESS THAN 0.05 PERCENT SULFUR BY WEIGHT IF PURCHASED PRIOR TO 6/1/04 AND LESS THAN 15 PPM SULFUR BY WEIGHT IF PURCHASED ON OR AFTER 6/1/04.
[RULE 431.2]

13. THIS BOILER SHALL BE EQUIPPED WITH A NON-RESETTABLE, TOTALIZING FLOW METER FOR EACH FUEL TO BE BURNED.
[RULE 1146]

14. 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]

15. THE BURNER SHALL NOT FIRE ON LESS THAN 128 GAL/HR OF FUEL OIL DURING NORMAL OPERATION, NOT INCLUDING START-UPS AND SHUTDOWNS.
[RULE 1146]

16. THE OPERATOR SHALL INSTALL A FLOW METER TO ACCURATELY INDICATE THE FLOW RATE OF THE FUEL OIL AND SHALL RECORD THE HOURLY FUEL OIL 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]

17. THIS BOILER IS A BACK-UP BOILER FOR THE HONOR RANCHO FACILITY'S COGENERATION SYTEM (GAS TURBINE AND WASTE HEAT BOILER), AND SHALL NOT BE OPERATED WHENEVER THE COGENERATION SYSTEM IS IN OPERATION.
[RULE 1303(b)(2)-OFFSET]

18. THE OPERATOR OF THIS BOILER SHALL FOLLOW THE PORCEDURES SPECIFIED BY THE MANAUFACTURER TO TUNE-UP AND MAINTAIN THE COMBUSTION SYSTEM (INCLUDING BUT

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NOT LIMITED TO BURNERS AND AIR/FUEL CONTROL DEVICES) OF THIS BOILERTO ASSURE CONTINUED COMPLIANCE WITH THE EMISSIONS LIMITS IN CONDITION NO. 8.
[RULE 1146]

19. THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN USE WHENEVER THE BOILER IS IN OPERATION.
[RULE 1146]

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

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

22. THE OWNER OR OPERATOR OF THE EQUIPMENT SHALL CONDUCT A SOURCE TEST UNDER THE FOLLOWING CONDITIONS:

A. SOURCE TESTING SHALL BE CONDUCTED WITHIN 30 DAYS AFTER ACHIEVING MAXIMUM PRODUCTION RATE AT WHICH THE EQUIPMENT WILL BE OPERATED, BUT NO LATER THAN 90 DAYS AFTER INITIAL START-UP.

B. THE SOURCE TEST SHALL BE DONE TO VERIFY COMPLIANCE PERMIT CONDITION NO. SEVEN, EIGHT AND NINE.

C. THE SOURCE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH SCAQMD METHOD 100.1.

D. THE TEST SHALL BE CONDUCTED FOR 15 MINUTES FOR EACH LOAD, WHILE FIRING AT MAXIMUM, MINIMUM AND LOW FIRING RATES.

E. TWO COMPLETE COPIES OF SOURCE TEST REPORTS (INCLUDE THE APPLICATION NUMBER AND A COPY OF THE PERMIT IN THE REPORT) SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, ATTN: ROY OLIVARES, P.O. BOX 4941, DIAMOND BAR, CA 91765). THE RESULTS IN WRITING SHALL BE SUBMITTED WITHIN 45 DAYS AFTER THE SOURCE TEST IS COMPLETED. IT SHALL INCLUDE, BUT NOT LIMITED TO EMISSIONS RATE IN POUNDS PER HOUR AND CONCENTRATION IN PPMV AT THE OUTLET OF THE BOILER.

F. A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANT TO BE MEASURED, AND IN COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TEST

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

Periodic Monitoring:

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

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

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

A. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN THE SAME FASHION AS DEVIATIONS ARE REQUIRED TO BE REPORTED IN SECTION K OF THIS PERMIT; OR

B. HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION", WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATIONS TO AQMD.

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;

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C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND

D. VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER.
[RULE 3004 (a)(4)]

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

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

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

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

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

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

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

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

Emissions And Requirements:

28. IF THIS BOILER BURNS MORE THAN 200,000,000,000 (200 BILLION) BTUS OF FUEL IN ANY ONE CALENDAR YEAR, THE BOILER OPERATOR SHALL INSTALL AND OPERATE BY MARCH 1 OF THE FOLLOWING YEAR, AN OXIDES OF NITROGEN CONTINUOUS EMISSION MONITORING SYSTEM THAT IS APPROVED BY THE EXECUTIVE OFFICER IN ACCORDANCE WITH RULE 218(b) AND SHALL CONTINUE TO OPERATE IT FOR THE LIFE OF THE BOILER.
[RULE 1146, 218(b)]

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

CO:	2000 PPMV, RULE 407
SOX:	500 PPMV FUEL OIL, RULE 409
PM:	0.1 GR/SCF, RULE 409
CO:	400 PPMV, RULE 1146
NOX:	30 PPMV, RULE 1146 UNTIL DECEMBER 31, 2013
NOX:	5 PPMV, NATURAL GAS, RULE 1146 ON OR AFTER JANUARY 1, 2014
NOX:	40 PPMV FUEL OIL, RULE 1146

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

Permit No. G
A/N 520245

Equipment Description:

BOILER, NO. 4, WATER TUBE, KEELER, NUMBER DS-10-13, SERIAL NO. 15396-2, NATURAL GAS ~~OR~~ WITH FUEL OIL STANDBY FUEL, WITH ONE COMBUSTION LOW NOX BURNER, AMERICAN COMBUSTION TECHNOLOGIES, MODEL AC107G-SLE, RATED AT 69,000,000 BTU PER, A 75 H.P. COMBUSTION AIR BLOWER AND FLUE GAS RECIRCULATION SYSTEM AND OXYGEN TRIM.

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.
[204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[204]

3. THIS EQUIPMENT SHALL COMPLY WITH RULE 1146.
[RULE 1146]

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

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

6. THIS BOILER SHALL EMIT NO MORE THAN 30 PPM FOR OXIDES OF NITROGEN (NOX) MEASURED BY VOLUME ON A DRY BASIS AT 3% OXYGEN AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES WHEN FIRING ON NATURAL GAS.
[RULE 1146]

7. EFFECTIVE 1/1/2014 THIS BOILER SHALL EMIT NO MORE THAN 5 PPM FOR OXIDES OF NITROGEN (NOX) MEASURED BY VOLUME ON A DRY BASIS AT 3% OXYGEN AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES WHEN FIRING ON NATURAL GAS.
[RULE 1146]

8. EMISSIONS OF NOX SHALL NOT EXCEED 40 PPM REFERENCED AT 3% O2 ON A DRY BASIS, AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES WHENEVER THIS EQUIPMENT IS FIRED WITH OIL.
[RULE 1146]

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9. EMISSIONS OF CO SHALL NOT EXCEED 400 PPM REFERENCED AT 3% O2 ON A DRY BASIS, AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES.
[RULE 1146]

10. THE BOILER SHALL BE FIRED ON NATURAL GAS ONLY, EXCEPT DURING PERIODS OF NATURAL GAS CURTAILMENT, DURING MAINTENANCE TESTING WITH STAND-BY FUEL NOT TO EXCEED SIX HOURS PER MONTH, AND DURING COMPLIANCE TESTING.
[RULE 1146]

11. THE BURNER SHALL NOT FIRE ON LESS THAN 10939 SCF/HR OF NATURAL GAS DURING NORMAL OPERATION, NOT INCLUDING START-UPS AND SHUTDOWNS.
[RULE 1146]

12. FUEL OIL SUPPLIED TO THE BURNER SHALL BE NO. 2 OR A LIGHTER GRADE AS DESCRIBED BY THE LATEST ASTM SPECIFICATIONS AND SHALL CONTAIN LESS THAN 0.05 PERCENT SULFUR BY WEIGHT IF PURCHASED PRIOR TO 6/1/04 AND LESS THAN 15 PPM SULFUR BY WEIGHT IF PURCHASED ON OR AFTER 6/1/04.
[RULE 431.2]

13. THIS BOILER SHALL BE EQUIPPED WITH A NON-RESETTABLE, TOTALIZING FLOW METER FOR EACH FUEL TO BE BURNED.
[RULE 1146]

14. 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]

15. THE BURNER SHALL NOT FIRE ON LESS THAN 128 GAL/HR OF FUEL OIL DURING NORMAL OPERATION, NOT INCLUDING START-UPS AND SHUTDOWNS.
[RULE 1146]

16. THE OPERATOR SHALL INSTALL A FLOW METER TO ACCURATELY INDICATE THE FLOW RATE OF THE FUEL OIL AND SHALL RECORD THE HOURLY FUEL OIL 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]

17. THIS BOILER IS A BACK-UP BOILER FOR THE HONOR RANCHO FACILITY'S COGENERATION SYTEM (GAS TURBINE AND WASTE HEAT BOILER), AND SHALL NOT BE OPERATED WHENEVER THE COGENERATION SYSTEM IS IN OPERATION.
[RULE 1303(b)(2)-OFFSET]

18. THE OPERATOR OF THIS BOILER SHALL FOLLOW THE PORCEDURES SPECIFIED BY THE MANAUFACTURER TO TUNE-UP AND MAINTAIN THE COMBUSTION SYSTEM (INCLUDING BUT

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NOT LIMITED TO BURNERS AND AIR/FUEL CONTROL DEVICES) OF THIS BOILERTO ASSURE CONTINUED COMPLIANCE WITH THE EMISSIONS LIMITS IN CONDITION NO. 8.
[RULE 1146]

19. THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN USE WHENEVER THE BOILER IS IN OPERATION.
[RULE 1146]

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

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

22. THE OWNER OR OPERATOR OF THE EQUIPMENT SHALL CONDUCT A SOURCE TEST UNDER THE FOLLOWING CONDITIONS:

A. SOURCE TESTING SHALL BE CONDUCTED WITHIN 30 DAYS AFTER ACHIEVING MAXIMUM PRODUCTION RATE AT WHICH THE EQUIPMENT WILL BE OPERATED, BUT NO LATER THAN 90 DAYS AFTER INITIAL START-UP.

B. THE SOURCE TEST SHALL BE DONE TO VERIFY COMPLIANCE PERMIT CONDITION NO. SEVEN, EIGHT AND NINE.

C. THE SOURCE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH SCAQMD METHOD 100.1.

D. THE TEST SHALL BE CONDUCTED FOR 15 MINUTES FOR EACH LOAD, WHILE FIRING AT MAXIMUM, MINIMUM AND LOW FIRING RATES.

E. TWO COMPLETE COPIES OF SOURCE TEST REPORTS (INCLUDE THE APPLICATION NUMBER AND A COPY OF THE PERMIT IN THE REPORT) SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, ATTN: ROY OLIVARES, P.O. BOX 4941, DIAMOND BAR, CA 91765). THE RESULTS IN WRITING SHALL BE SUBMITTED WITHIN 45 DAYS AFTER THE SOURCE TEST IS COMPLETED. IT SHALL INCLUDE, BUT NOT LIMITED TO EMISSIONS RATE IN POUNDS PER HOUR AND CONCENTRATION IN PPMV AT THE OUTLET OF THE BOILER.

F. A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANT TO BE MEASURED, AND IN COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TEST

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

Periodic Monitoring:

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

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

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

    A. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN THE SAME FASHION AS DEVIATIONS ARE REQUIRED TO BE REPORTED IN SECTION K OF THIS PERMIT; OR

    B. HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION", WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATIONS TO AQMD.

    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;

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LOS ANGELES COUNTY, SHERIFF DEPT.

C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND

D. VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER.
[RULE 3004 (a)(4)]

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

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

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

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

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

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

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

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

Emissions And Requirements:

28. IF THIS BOILER BURNS MORE THAN 200,000,000,000 (200 BILLION) BTUS OF FUEL IN ANY ONE CALENDAR YEAR, THE BOILER OPERATOR SHALL INSTALL AND OPERATE BY MARCH 1 OF THE FOLLOWING YEAR, AN OXIDES OF NITROGEN CONTINUOUS EMISSION MONITORING SYSTEM THAT IS APPROVED BY THE EXECUTIVE OFFICER IN ACCORDANCE WITH RULE 218(b) AND SHALL CONTINUE TO OPERATE IT FOR THE LIFE OF THE BOILER.
[RULE 1146, 218(b)]

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

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

CO:	2000 PPMV, RULE 407
SOX:	500 PPMV FUEL OIL, RULE 409
PM:	0.1 GR/SCF, RULE 409
CO:	400 PPMV, RULE 1146
NOX:	30 PPMV, RULE 1146 UNTIL DECEMBER 31, 2013
NOX:	5 PPMV, NATURAL GAS, RULE 1146 ON OR AFTER JANUARY 1, 2014
NOX:	40 PPMV FUEL OIL, RULE 1146

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

Permit No. G
A/N 522206

Equipment Description:

INTERNAL COMBUSTION ENGINE, NO. 1, CUMMINS, MODEL NO. QSX15-G9, DIESEL-FUELED, SIXTEEN CYLINDERS, FOUR CYCLE, TURBOCHARGED AND AFTERCOOLED, RATED AT 755 BHP, WITH AN DIESEL PARTICULATE FILTER, JOHNSON MATTHEY, MODEL CRT(+)3-N-BITO-CS-10-LP AND CRTDM DIAGNOSTIC MODULE AND DATA LOGGING AND ALARM SYSTEM, MODEL CRT, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[204]

3. THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 431.2 AND RULE 1470.
[RULE 1470, RULE 431.2]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.
[RULE 1110.2, RULE 1303 (a), 40 CFR 61.4211 (f)]

5. OPERATING BEYOND THE 50 HOURS PER YEAR ALLOTED 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]

6. 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, 40 CFR 60.4209 (a)]

7. 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

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1470]

8. 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, 40 CFR 60.4214 (b)]

9. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATI 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)]

10. THIS ENGINE SHALL NOT BE OPERATED UNLESS ITS EXHAUST IS VENTED TO THE DIESEL PARTICULATE FILTER WHICH SHALL BE IN FULL OPERATION AND IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 1303 (a)]

11. THE OPERATOR SHALL NOT OPERATE THE DIESEL PARTICULATE FILTER SYSTEM WITHOUT AN CTRdm MODULE. THE MODULE CONSIST OF OPERATIONAL DATA LOGGING OF EXHAUST TEMPERATURE, BACKPRESSURE AND ALARM SYSTEM.
[RULE 1303 (a)]

12. THE MAXIMUM BACK PRESSURE OF THE ENGINE SHALL NOT EXCEED 41 INCHES W.C.
[RULE 1303 (a)]

13. THE OPERATOR SHALL INSTALL AND MAINTAIN A PRESSURE GAUGE (DISPLAY READING SHALL BE READILY AVAILABLE) TO ACCURATELY INDICATE THE BACK PRESSURE OF THE ENGINE (ELECTRONIC DISPLAY IS ACCEPTABLE). THE DISPLAY OF THE PRESSURE GAUGE SHALL BE IN INCHES OF WATER COLUMN (W.C.) OR INCHES MERCURY (IN. HG)..
[RULE 1303 (a), RULE 1470, 40 CFR 60.4209 (b)]

14. THE DIESEL ENGINE SHALL OPERATE AT AN ENGINE DUTY CYCLE REQUIRED TO ACHIEVE 465 DEGREE FAHRENHEIT OR ABOVE IN THE EXHAUST GAS STREAM FOR 40% OF THE DUTY CYCLE.
[RULE 1303 (a)]

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

15. THIS ENGINE SHALL NOT BE OPERATED IN IDLE MODE FOR MORE THAN 240 CONSECUTIVE MINUTES.
[RULE 1303 (a)]

16. THE TEMPERATURE OF THE ENGINE EXHAUST GAS AT THE INLET TO THE DIESEL PARTICULATE FILTER SYSTEM SHALL BE GREATER THAN OR EQUAL TO 464 DEGREES FAHRENHEIT EXCEPT DURING START-UP.
[RULE 1303 (a)]

17. THE OPERATOR SHALL REGENERATE THE DIESEL PARTICULATE FILTER WHENEVER WARNING SIGNAL IS RECEIVED FROM THE ALARM SYSTEM. IN ORDER TO ACHIEVE FILTER REGENERATION, THE OPERATOR SHALL RUN THE ENGINE UNTIL THE EXHAUST TEMPERATURE EXCEEDS 464 DEGREES FAHRENHEIT AND THE BACKPRESSURE MONITORING SYSTEM INDICATES A NORMAL BACKPRESSURE READING.
[RULE 1303 (a)]

18. REGENERATION OF THE CATALYST SHALL BE PERFORMED AFTER 24 COLD START-UPS WITH 10-MINUTE IDLE SESSIONS.

19. AFTER EVERY SIX MONTHS NORMAL ENGINE OPERATION, THE OPERATOR SHALL INSPECT THE INTEGRITY OF THE FILTER AND DETERMINE IF THE FILTER NEEDS TO BE CLEANED.
[RULE 1303 (a)]

20. REMOVAL OF THE DIESEL PARTICULATE FILTER'S FILTER MEDIA FOR CLEANING MAY ONLY OCCUR UNDER THE FOLLOWING CONDITIONS:

    A. THE INTERNAL COMBUSTION ENGINE SHALL NOT BE OPERATED FOR MAINTENANCE AND TESTING OR ANY OTHER NON-EMERGENCY USE WHILE THE DIESEL PARTICULATE FILTER MEDIA IS REMOVED; AND

    B. THE DIESEL PARTICULATE FILTER'S FILTER MEDIA SHALL BE RETURNED AND RE-INSTALLED WITHIN 10 WORKING DAYS FROM THE DATE OF REMOVAL; AND

    C. THE OWNER OR OPERATOR SHALL MAINTAIN RECORDS INDICATING THE DATE(S) THE DIESEL PARTICULATE FILTER'S FILTER MEDIA WAS REMOVED FOR CLEANING AND THE DATE(S) THE FILTER MEDIA WAS RE-INSTALLED. RECORDS SHALL BE RETAINED FOR A MINIMUM PERIOD OF FIVE YEARS.
    [RULE 1303 (a)]

21. THE OPERATOR SHALL KEEP RECORDS OF PARTICULATE FILTER INSPECTIONS, REPLACEMENTS AND MANUAL REGENERATIONS. THE OPERATOR SHALL MAINTAIN THESE RECORDS FOR A MINIMUM OF FIVE YEARS AND MAKE THEM AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303 (a)]

22. SULFUR CONTENT OF DIESEL FUEL SUPPLIED TO THE ENGINE SHALL NOT EXCEED 15 PPM BY WEIGHT.
[RULE 431.2, 40 CFR 60.4207 (b)]

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

23. THE OPERATOR SHALL KEEP RECORDS OF ANY CORRECTIVE ACTION TAKEN AFTER THE BACKPRESSURE MONITOR HAS NOTIFIED THE OPERATOR THAT THE BACKPRESSURE LIMITOF THE ENGINE IS APPROACHED
[40 CFR 60.4214 (c)]

24. THE OPERATOR SHALL COMPLY WITH THE EMISSION STANDARDS SPECIFIED IN 40 CFR 60.4205(b) BY PURCHASING AN ENGINE CERTIFIED TO THE EMISSION STANDARDS IN 40 CFR 60.4205(b), AS APPLICABLE, FOR THE SAME MODEL YEAR AND MAXIMUM ENGINE POWER. THE ENGINE MUST BE INSTALLED AND CONFIGURED ACCORDING TO THE MANUFACTURER'S EMISSION RELATED SPECIFICATIONS.
[40 CFR 60.4211(c)]

25. THE OPERATOR SHALL OPERATE AND MAINTAIN THE STATIONARY ENGINE AND CONTROL DEVICE ACCORDING TO THE MANUFACTURER'S WRITTEN EMISSION-RELATED INSTRUCTIONS (OR PROCEDURES DEVELOPED BY THE OPERATOR THAT ARE APPROVED BY THE ENGINE MANUFACTURER), CHANGE ONLY THOSE EMISSION-RELATED SETTINGS THAT ARE PERMITTED BY THE MANUFACTURER, AND MEET THE REQUIREMENTS OF 40 CFR 89, 94 AND/OR 1068, AS THEY APPLY.

[40 CFR 60.4211(a)]

Emissions And Requirements:

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

PM:RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

PM:RULE 1470

NOx+VOC: 4.8 G/BHP-HR, RULE 1303 (a), 40 CFR 60.4205 (b)

CO: 2.6 G/BHP-HR, RULE 1303 (a), 40 CFR 60.4205 (b)

PM: 0.15 G/BHP-HR, RULE 1303 (a), 40 CFR 60.4205 (b)

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

Permit No. G
A/N 522208

Equipment Description:

INTERNAL COMBUSTION ENGINE, NO. 2, CUMMINS, MODEL NO. QSX15-G9, DIESEL-FUELED, SIXTEEN CYLINDERS, FOUR CYCLE, TURBOCHARGED AND AFTERCOOLED, RATED AT 755 BHP, WITH AN DIESEL PARTICULATE FILTER, JOHNSON MATTHEY, MODEL CRT(+)3-N-BITO-CS-10-LP AND CRTDM DIAGNOSTIC MODULE AND DATA LOGGING AND ALARM SYSTEM, MODEL CRT, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[204]

3. THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 431.2 AND RULE 1470.
[RULE 1470, RULE 431.2]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.
[RULE 1110.2, RULE 1303 (a), 40 CFR 60.4211 (f)]

5. OPERATING BEYOND THE 50 HOURS PER YEAR ALLOTED 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]

6. 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, 40 CFR 60.4209 (a)]

7. 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

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1470]

8. 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, 40 CFR 4214 (b)]

9. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATI 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)]

10. THIS ENGINE SHALL NOT BE OPERATED UNLESS ITS EXHAUST IS VENTED TO THE DIESEL PARTICULATE FILTER WHICH SHALL BE IN FULL OPERATION AND IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 1303 (a)]

11. THE OPERATOR SHALL NOT OPERATE THE DIESEL PARTICULATE FILTER SYSTEM WITHOUT AN CTRdm MODULE. THE MODULE CONSIST OF OPERATIONAL DATA LOGGING OF EXHAUST TEMPERATURE, BACKPRESSURE AND ALARM SYSTEM.
[RULE 1303 (a)]

12. THE MAXIMUM BACK PRESSURE OF THE ENGINE SHALL NOT EXCEED 41 INCHES W.C.
[RULE 1303 (a)]

13. THE OPERATOR SHALL INSTALL AND MAINTAIN A PRESSURE GAUGE (DISPLAY READING SHALL BE READILY AVAILABLE) TO ACCURATELY INDICATE THE BACK PRESSURE OF THE ENGINE (ELECTRONIC DISPLAY IS ACCEPTABLE). THE DISPLAY OF THE PRESSURE GAUGE SHALL BE IN INCHES OF WATER COLUMN (W.C.) OR INCHES MERCURY (IN. HG.).
[RULE 1303 (a), RULE 1470, 40 CFR 60.4209 (B)]

14. THE DIESEL ENGINE SHALL OPERATE AT AN ENGINE DUTY CYCLE REQUIRED TO ACHIEVE 465 DEGREE FAHRENHEIT OR ABOVE IN THE EXHAUST GAS STREAM FOR 40% OF THE DUTY CYCLE.
[RULE 1303 (a)]

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

15. THIS ENGINE SHALL NOT BE OPERATED IN IDLE MODE FOR MORE THAN 240 CONSECUTIVE MINUTES.
[RULE 1303 (a)]

16. THE TEMPERATURE OF THE ENGINE EXHAUST GAS AT THE INLET TO THE DIESEL PARTICULATE FILTER SYSTEM SHALL BE GREATER THAN OR EQUAL TO 464 DEGREES FAHRENHEIT EXCEPT DURING START-UP.
[RULE 1303 (a)]

17. THE OPERATOR SHALL REGENERATE THE DIESEL PARTICULATE FILTER WHENEVER WARNING SIGNAL IS RECEIVED FROM THE ALARM SYSTEM. IN ORDER TO ACHIEVE FILTER REGENERATION, THE OPERATOR SHALL RUN THE ENGINE UNTIL THE EXHAUST TEMPERATURE EXCEEDS 464 DEGREES FAHRENHEIT AND THE BACKPRESSURE MONITORING SYSTEM INDICATES A NORMAL BACKPRESSURE READING.
[RULE 1303 (a)]

18. REGENERATION OF THE CATALYST SHALL BE PERFORMED AFTER 24 COLD START-UPS WITH 10-MINUTE IDLE SESSIONS.

19. AFTER EVERY SIX MONTHS NORMAL ENGINE OPERATION, THE OPERATOR SHALL INSPECT THE INTEGRITY OF THE FILTER AND DETERMINE IF THE FILTER NEEDS TO BE CLEANED.
[RULE 1303 (a)]

20. REMOVAL OF THE DIESEL PARTICULATE FILTER'S FILTER MEDIA FOR CLEANING MAY ONLY OCCUR UNDER THE FOLLOWING CONDITIONS:

    A. THE INTERNAL COMBUSTION ENGINE SHALL NOT BE OPERATED FOR MAINTENANCE AND TESTING OR ANY OTHER NON-EMERGENCY USE WHILE THE DIESEL PARTICULATE FILTER MEDIA IS REMOVED; AND

    B. THE DIESEL PARTICULATE FILTER'S FILTER MEDIA SHALL BE RETURNED AND RE-INSTALLED WITHIN 10 WORKING DAYS FROM THE DATE OF REMOVAL; AND

    C. THE OWNER OR OPERATOR SHALL MAINTAIN RECORDS INDICATING THE DATE(S) THE DIESEL PARTICULATE FILTER'S FILTER MEDIA WAS REMOVED FOR CLEANING AND THE DATE(S) THE FILTER MEDIA WAS RE-INSTALLED. RECORDS SHALL BE RETAINED FOR A MINIMUM PERIOD OF FIVE YEARS.
    [RULE 1303 (a)]

21. THE OPERATOR SHALL KEEP RECORDS OF PARTICULATE FILTER INSPECTIONS, REPLACEMENTS AND MANUAL REGENERATIONS. THE OPERATOR SHALL MAINTAIN THESE RECORDS FOR A MINIMUM OF FIVE YEARS AND MAKE THEM AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303 (a)]

22. SULFUR CONTENT OF DIESEL FUEL SUPPLIED TO THE ENGINE SHALL NOT EXCEED 15 PPM BY WEIGHT.
[RULE 431.2, 40 CFR 60.4207 (b)]

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

23. THE OPERATOR SHALL KEEP RECORDS OF ANY CORRECTIVE ACTION TAKEN AFTER THE BACKPRESSURE MONITOR HAS NOTIFIED THE OPERATOR THAT THE BACKPRESSURE LIMITOF THE ENGINE IS APPROACHED
[40 CFR 60.4214 (c)]

24. THE OPERATOR SHALL COMPLY WITH THE EMISSION STANDARDS SPECIFIED IN 40 CFR 60.4205(b) BY PURCHASING AN ENGINE CERTIFIED TO THE EMISSION STANDARDS IN 40 CFR 60.4205(b), AS APPLICABLE, FOR THE SAME MODEL YEAR AND MAXIMUM ENGINE POWER. THE ENGINE MUST BE INSTALLED AND CONFIGURED ACCORDING TO THE MANUFACTURER'S EMISSION RELATED SPECIFICATIONS.
[40 CFR 60.4211(c)]

25. THE OPERATOR SHALL OPERATE AND MAINTAIN THE STATIONARY ENGINE AND CONTROL DEVICE ACCORDING TO THE MANUFACTURER'S WRITTEN EMISSION-RELATED INSTRUCTIONS (OR PROCEDURES DEVELOPED BY THE OPERATOR THAT ARE APPROVED BY THE ENGINE MANUFACTURER), CHANGE ONLY THOSE EMISSION-RELATED SETTINGS THAT ARE PERMITTED BY THE MANUFACTURER, AND MEET THE REQUIREMENTS OF 40 CFR 89, 94 AND/OR 1068, AS THEY APPLY.

    [40 CFR 60.4211(a)]

Emissions And Requirements:

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

PM:RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

PM:RULE 1470

NOx+VOC: 4.8 G/BHP-HR, RULE 1303 (a), 40 CFR 60.4205 (b)

CO: 2.6 G/BHP-HR, RULE 1303 (a), 40 CFR 60.4205 (b)

PM: 0.15 G/BHP-HR, RULE 1303 (a), 40 CFR 60.4205 (b)

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

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 CONATINING MATERIALS ARE ADDED, MAINTAIN SEMI-ANNUAL RECORDS OF ALL COATINGS CONSISITING 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 CONATINING MATERIALS ARE ADDED, MAINTAIN DAILY RECORDS FOR EACH COATING CONSITING OF (a) COATING TYPE, (b) VOC CONTENT AS APPLIED IN GRAMS PER LITER (g/l) OF MATERIALS USED FOR LOW-SOLIDS COATINGS, (c) VOC CONTENT AS APPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATING.

   [RULE 3004 (a) (4)]

Emissions And Requirements:

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

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

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

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:	40CFR 82 SUBART F

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

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:

   CR^{+6}: RULE 1404

FACILITY PERMIT TO OPERATE
LOS ANGELES COUNTY, SHERIFF DEPT.

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 COUNTY, SHERIFF DEPT.

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, HAND WIPING OPERATION.

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

PERMIT TO CONSTRUCT

APPLICANT	LA COUNTY SHERIFF DEPT
MAILING ADDRESS`	1000 S. FREMONT ST. ALHAMBRA, CA 91803
EQUIPMENT LOCATION	28380 THE OLD ROAD SAUGUS, CA 91350

EQUIPMENT DESCRIPTION:

APPLICATION NO 522206

INTERNAL COMBUSTION ENGINE, NO. 1, CUMMINS, MODEL NO. QSX15-G9, DIESEL-FUELED, SIXTEEN CYLINDERS, FOUR CYCLE, TURBOCHARGED AND AFTERCOOLED, RATED AT 755 BHP, WITH AN DIESEL PARTICULATE FILTER, JOHNSON MATTHEY, MODEL CRT(+)3-N-BITO-CS-10-LP AND CRTDM DIAGNOSTIC MODULE AND DATA LOGGING AND ALARM SYSTEM, MODEL CRT, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

APPLICATION NO 522208

INTERNAL COMBUSTION ENGINE, NO. 2, CUMMINS, MODEL NO. QSX15-G9, DIESEL-FUELED, SIXTEEN CYLINDERS, FOUR CYCLE, TURBOCHARGED AND AFTERCOOLED, RATED AT 755 BHP, WITH AN DIESEL PARTICULATE FILTER, JOHNSON MATTHEY, MODEL CRT(+)3-N-BITO-CS-10-LP AND CRTDM DIAGNOSTIC MODULE AND DATA LOGGING AND ALARM SYSTEM, MODEL CRT, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

APPLICATION NO 534264

TITLE V REVISION

PERMIT 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.
   [204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
   [204]

3. THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 431.2 AND RULE 1470.
[RULE 1470, RULE 431.2]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.
[RULE 1110.2, RULE 1303 (a), 40 CFR 60.4211 (f)]

5. OPERATING BEYOND THE 50 HOURS PER YEAR ALLOTED 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]

6. 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, 40 CFR 60.4209 (a)]

7. 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 1470]

8. 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, 40 CFR 60.4214 (b)]

9. 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)]

10. THIS ENGINE SHALL NOT BE OPERATED UNLESS ITS EXHAUST IS VENTED TO THE DIESEL PARTICULATE FILTER WHICH SHALL BE IN FULL OPERATION AND IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 1303 (a)]

11. THE OPERATOR SHALL NOT OPERATE THE DIESEL PARTICULATE FILTER SYSTEM WITHOUT AN CTRdm MODULE. THE MODULE CONSIST OF OPERATIONAL DATA LOGGING OF EXHAUST TEMPERATURE, BACKPRESSURE AND ALARM SYSTEM.
[RULE 1303 (a)]

12. THE MAXIMUM BACK PRESSURE OF THE ENGINE SHALL NOT EXCEED 41 INCHES W.C.
[RULE 1303 (a)]

13. THE OPERATOR SHALL INSTALL AND MAINTAIN A PRESSURE GAUGE (DISPLAY READING SHALL BE READILY AVAILABLE) TO ACCURATELY INDICATE THE BACK PRESSURE OF THE ENGINE (ELECTRONIC DISPLAY IS ACCEPTABLE). THE DISPLAY OF THE PRESSURE GAUGE SHALL BE IN INCHES OF WATER COLUMN (W.C.) OR INCHES MERCURY (IN. HG).
[RULE 1303 (a), RULE 1470, 40 CFR 60.4209 (b]

14. THE DIESEL ENGINE SHALL OPERATE AT AN ENGINE DUTY CYCLE REQUIRED TO ACHIEVE 465 DEGREE FAHRENHEIT OR ABOVE IN THE EXHAUST GAS STREAM FOR 40% OF THE DUTY CYCLE.
[RULE 1303 (a)]

15. THIS ENGINE SHALL NOT BE OPERATED IN IDLE MODE FOR MORE THAN 240 CONSECUTIVE MINUTES.
[RULE 1303 (a)]

16. THE TEMPERATURE OF THE ENGINE EXHAUST GAS AT THE INLET TO THE DIESEL PARTICULATE FILTER SYSTEM SHALL BE GREATER THAN OR EQUAL TO 464 DEGREES FAHRENHEIT EXCEPT DURING START-UP.
[RULE 1303 (a)]

17. THE OPERATOR SHALL REGENERATE THE DIESEL PARTICULATE FILTER WHENEVER WARNING SIGNAL IS RECEIVED FROM THE ALARM SYSTEM. IN ORDER TO ACHIEVE FILTER REGENERATION, THE OPERATOR SHALL RUN THE ENGINE UNTIL THE EXHAUST TEMPERATURE EXCEEDS 464 DEGREES FAHRENHEIT AND THE BACKPRESSURE MONITORING SYSTEM INDICATES A NORMAL BACKPRESSURE READING.
[RULE 1303 (a)]

18. REGENERATION OF THE CATALYST SHALL BE PERFORMED AFTER 24 COLD START-UPS WITH 10-MINUTE IDLE SESSIONS.
[RULE 1303 (a)]

19. AFTER EVERY SIX MONTHS NORMAL ENGINE OPERATION, THE OPERATOR SHALL INSPECT THE INTEGRITY OF THE FILTER AND DETERMINE IF THE FILTER NEEDS TO BE CLEANED. [RULE 1303 (a)]

20. REMOVAL OF THE DIESEL PARTICULATE FILTER'S FILTER MEDIA FOR CLEANING MAY ONLY OCCUR UNDER THE FOLLOWING CONDITIONS:

    A. THE INTERNAL COMBUSTION ENGINE SHALL NOT BE OPERATED FOR MAINTENANCE AND TESTING OR ANY OTHER NON-EMERGENCY USE WHILE THE DIESEL PARTICULATE FILTER MEDIA IS REMOVED; AND

    B. THE DIESEL PARTICULATE FILTER'S FILTER MEDIA SHALL BE RETURNED AND RE-INSTALLED WITHIN 10 WORKING DAYS FROM THE DATE OF REMOVAL; AND

    C. THE OWNER OR OPERATOR SHALL MAINTAIN RECORDS INDICATING THE DATE(S) THE DIESEL PARTICULATE FILTER'S FILTER MEDIA WAS REMOVED FOR CLEANING AND THE DATE(S) THE FILTER MEDIA WAS RE-INSTALLED. RECORDS SHALL BE RETAINED FOR A MINIMUM PERIOD OF FIVE YEARS. [RULE 1303 (a)]

22. THE OPERATOR SHALL KEEP RECORDS OF PARTICULATE FILTER INSPECTIONS, REPLACEMENTS AND MANUAL REGENERATIONS. THE OPERATOR SHALL MAINTAIN THESE RECORDS FOR A MINIMUM OF FIVE YEARS AND MAKE THEM AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. [RULE 1303 (a)]

23. SULFUR CONTENT OF DIESEL FUEL SUPPLIED TO THE ENGINE SHALL NOT EXCEED 15 PPM BY WEIGHT. [RULE 431.2, 40 CFR 60.4207 (b)]

24. THE OPERATOR SHALL KEEP RECORDS OF ANY CORRECTIVE ACTION TAKEN AFTER THE BACKPRESSURE MONITOR HAS NOTIFIED THE OPERATOR THAT THE BACKPRESSURE LIMITOF THE ENGINE IS APPROACHED [40 CFR 60.4214 (c)]

25. THE OPERATOR SHALL COMPLY WITH THE EMISSION STANDARDS SPECIFIED IN 40 CFR 60.4205(b) BY PURCHASING AN ENGINE CERTIFIED TO THE EMISSION STANDARDS IN 40 CFR 60.4205(b), AS APPLICABLE, FOR THE SAME MODEL YEAR AND MAXIMUM ENGINE POWER. THE ENGINE MUST BE INSTALLED AND CONFIGURED ACCORDING TO THE MANUFACTURER'S EMISSION RELATED SPECIFICATIONS. [40 CFR 60.4211(c)]

26. THE OPERATOR SHALL OPERATE AND MAINTAIN THE STATIONARY ENGINE AND CONTROL DEVICE ACCORDING TO THE MANUFACTURER'S WRITTEN EMISSION-RELATED INSTRUCTIONS (OR PROCEDURES DEVELOPED BY THE OPERATOR THAT ARE APPROVED BY THE ENGINE MANUFACTURER), CHANGE ONLY THOSE EMISSION-RELATED SETTINGS THAT ARE PERMITTED BY THE MANUFACTURER, AND MEET THE REQUIREMENTS OF 40 CFR 89, 94 AND/OR 1068, AS THEY APPLY.

[40 CFR 60.4211(a)]

Emissions And Requirements:

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

PM:RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

PM:RULE 1470

NOx+VOC: 4.8 G/BHP-HR, RULE 1303 (a), 40 CFR 60.4205 (b)

CO: 2.6 G/BHP-HR, RULE 1303 (a), 40 CFR 60.4205 (b)

PM: 0.15 G/BHP-HR, RULE 1303 (a),

BACKGROUND:

These applications were filed as new construction. The engines will be used as diesel fueled emergency stand-by ICE driving and emergency electrical generator. The applicant is proposing to install a Certified Equipment Permit (CEP) engine ref a/n 455700. The applicant proposes to install a Johnson Matthey CARB certified (Executive Order DE-05-002-03) CRT Diesel Particulate Filter (DPF) on each engine.

In the Facility Permit ID# 800386, additions are requested to Section D by the addition of two emergency diesel fueled ICEs. Attached is a draft of Section D in the Facility Permit affected by this addition.

This Title V modification is considered as a "de minimis significant revision" to the Title V permit because there is no increase of pollutant emissions that do not exceed the threshold levels described District Rule 3000 (b)(7) as reference by 3005 (e)(1).

The applicant cancelled a permit for a spray booth (a/n 363119) and will be removed from the Title V permit. The applicant has an active permit (P35132) for another spray booth that was listed on the original Title V permit, but was removed from the Title V revisions by mistake. The applicant requested to have the permit added back to the Title V permit. The booth is used to apply wood coatings.

COMPLIANCE HISTORY

There has been no compliance actions with this facility for the past two years (06/29/2010-06/29/2012).

Permitting since the Title V permit was renewed since 12/24/2009, ref a/n 477115

		30 day ave-lb/dy				
Title V application	Project	NOx	ROG	CO	SOx	PM10
502371	ice	+0.34	+0	+0	+0	+0
528614	Boiler mod.	-100.36	0	0	0	0
534264	ice	+2.04	0.048	0.20		
Change in emissions		-97.98	+.048	+0.20	+0	0

CALCULATIONS

1. Permit processing Emissions calculation methodology

A. Emissions calculations

Determine emissions from NOx, CO, ROG and PM

$$R1(LB/HR) = \frac{hp \times gr/bhp-hr}{454 gr/lb}$$

Note R1=R2

Note, PM10 =0.96 PM (ref PM10 combustion values for various operations, ref District factors)

Determine emissions from SOX

$$R1(LB/HR) = \frac{EF \times GAL\,USAGE}{1 \times 10^3}$$

Note R1 = R2

Where EF equal lb/MGAL (ref SCAQMD emissions fee form B-3)

Note, if applicant provide SOx in terms of g/bhp-hr, use previous formula

2. EMISSIONS CALCULATIONS

$$R2(LB/HR) = R1 \times ((100 - eff)/100)$$

Minimum control efficiency is 85%, per control system specs

For this project assume not CO and VOC reduction, only PM reduction

B. Requirements for BACT, Rule 1303 (a) and Rule 1470 (PM)

	Units	VOC+NO_X	CO	PM_{10}
Actual	g/bHP-hr	4.5500	0.4500	0.0100
Required		4.8	2.6	0.01
Compliance		Yes	Yes	Yes
Rule		1303 (a)	1303 (a)	LAER

For NSR/AEIS, use R1 values for NOx, CO and VOC

LAER applies for PM emissions use R2 = 0.0756 g/bhp-hr * 0.15 = 0.011 g/bhp-hr, minimum control efficiency of DPF is 85%

Note, VOC + NOx = 0.14 + 4.59 = 4.70 g/bhp-hr

See emissions data sheet from A/N 455700 (certified engine)

4. EMISSIONS CALCULATIONS PER ENGINE

	R1-lb/hr	R1-lb/dy	R2-30 dy av	R2-lb/yr
NOx	7.63	7.63	1.02	382
ROG	0.18	0.18	0.024	9.15
CO	0.75	0.75	0.10	37
SOx	0.0081	0.0081	0.0011	0.4069
PM	0.01663	0.02	0.0022	0.83
PM10	0.01596	0.02	0.0021	0.80

See attachment for detailed calculations (emissions based on 1 hr/dy, 1 dy/wk, 50 wk/yr engine testing)

RULES EVALUATION:

Rule 212 The subject equipment will not be located within 1,000 feet of a school. The emissions from the emergency stand by ICE will not exceed the daily maximum specified is subdivision (g) of this Rule.

Item	Equipment located beyond 1000 feet of a school	Public notice required
Engine	yes	No

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

Pollutant	MICR per engine	Threshold	Public Notice required
ICE	3.98E-08	1.0e-06	No

Section (c)(2)

Pollutant	Net increase in emissions lb/dy	Allowed limit-lb/dy	Trigger Public Notice
NOx	+2.04	40	No
ROG	+0.048	30	No
CO	+0.20	220	No
PM10	+0.0042	30	No
SOx	+0	60	NO

Rule 401 :The equipment is not expected to emit visible emissions.

Rule 402 :The equipment is not expected to emit odorous emissions.

Rule 404 :Grain loading from the engine expected to comply.

Rule 431.2 Per section (c)(e)(2) require the fuel oil purchased to have a sulfur content of less than 15 ppmw, expected to comply with this Rule .

Rule 1110.2.Exempt per section (h)(2).

Reg. XIII Compliance with the following sections is anticipated.

1303 (a)-BACT- Emissions meet Tier 2 BACT limits for NOx, VOC and CO. This is a Title V facility and is subject to LAER and requires a DPF to be installed on the engine to control PM10 emissions

Item	HP	NOx +VOC	CO	PM10
		Gr/bhp-hr	Gr/bhp-hr	Gr/bhp-hr
BACT		4.8	2.6	0.15
Engine	755	4.60	0.11	0.01
Compliance		Yes	Yes	yes

Title V facility install PM filter for LAER, CARB certified PM reduction of 85% or greater, R2 emissions = 0.075 g/bhp-hr * 0.15, see Appendix B

1303 (b)(1)-The engine is exempt from modeling for being emergency equipment, per 1304 (a)(4)

1303 (b)(2)- The engine is exempt from offsets for being emergency equipment, per 1304 (a)(4). The hospital is Essential Public Service (EPS) per Rule 1302 (m)(6) and use the Rule 1309.1(a)(3) exemption for offsets purposes.

RULE 1401-Engines exempt per section (g)(1)(F), does not apply for stand-by generators exempt per Reg 1304. The MICR was conducted for Rule 212 and the MICR was below one in one million, see attachment A for details.

RULE 1470 – REQUIREMENTS FOR STATIONARY DIESEL-FUELED INTERNAL COMBUSTION AND OTHER COMPRESSION IGNITION ENGINES

All equipment subject to this rule and have requested to install and operate equipment after January 1, 2011 will be evaluated based on the following guidelines:

The South Coast Air Quality Management District (AQMD) adopted Rule 1470 – Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines on April 2, 2004 to implement the Airborne Toxic Control Measure (ATCM) for Stationary Compression-Ignition Engines. This rule was subsequently amended on March 4, 2005, November 3, 2006, and June 1, 2007 to implement various amendments that CARB made to this ATCM. AQMD Rule 1470 currently requires that compression-ignition engines 175 hp or greater must meet Tier 4 requirements on and after January 1, 2011.

In October 2010 CARB proposed amendments to their ATCM to remove the Tier 4i and Tier 4 emission limits for NOx and Particulate Matter for emergency standby engines and to limit diesel particulate matter emissions for all sizes of engines to 0.15 gram/bhp-hr. In November 2010,

CARB posted a Regulatory Advisory (http://www.arb.ca.gov/diesel/documents/advisory.pdf) that summarizes the amendments to the ATCM and states that during the transition period from January 1, 2011 to when the amended ATCM becomes effective, CARB will exercise its enforcement discretion and not enforce the more stringent Tier 4 Standards for new emergency standby engines. **However, CARB also cautions that local districts may have more stringent requirements. On the local level, the local air quality control or air quality management district's (districts) permit facilities with stationary engines.** The amendments to ATCM have just become effective on May 19, 2011 when the California Office of Administrative Law (OAL) approved the CARB rulemaking for the amendments to ATCM.

AQMD has announced that it intends to amend Rule 1470 to incorporate some of amendments to ATCM that have been approved by OAL. At this time, AQMD is considering amendments to Rule 1470 to align with the amended ATCM for all pollutants except diesel particulate matter (PM), which is a toxic and cancer causing air contaminant.

PAR 1470 was adopted by the AQMD's Governing Board on May 4, 2012.

1470 (b)(47)-New CI engine installed after 2005.

1470 (b)(60)-Sensitive Receptor, the equipment is located a prison

1470 (c)(1)-Requires ultra low sulfur be used in this equipment 1/2006, but Rule 431.2 requires the use of this fuel at this time.

1470 (c)(2)(C)(i)-Limit the testing to no more than 50 hours per year.

1470 (c)(2)(C)(iii)- PM emissions less than 0.15 g/bhp-hr, see emissions data sheet (AQMD data base ref a/n 455700, copy in file).

1470 (c)(2)(C)(iv)(I)- the engine is at a sensitive receptor (prison), but the application was deemed complete prior to 1/1/2013, this section does not apply.

1470 (c)(2)(C)(vii)(Table 2)-The equipment does comply,

	Units	VOC+NO_X	CO
Actual	g/bHP-hr	4.5500	0.4500
Required		4.8	2.6
Compliance		Yes	Yes

1470 (c)(2)(F)- Filter cleaning of DPF. Add permit condition for DPF cleaning per email dated 5/8/2012, copy in file

1470 (d)(7)(A)-Require time meter to be installed

1470 (d)(7)(B)-Require backpressure monitor to installed (pm control), not required by this Rule, but with CARB E/O and LEAR-BACT permit condition.

1470 (d)(9)(A)- Require record keeping conditions

RULE 1472- Submitted compliance plan (a/n 517620), under review.

The two proposed engines are located within 100 meters of an existing engine

Engine information

a/n	HP	EF g/bhp-hr	Operating hours (Permit conditions)
344954	550	0.63	20
522206	755	0.01	50
522208	755	0.01	50

Engine Index

a/n	Receptor distance factor	EF g/bhp-hr	Engine index
344954	0.0427	0.63	0.54
522206	0.0404	0.01	0.02
522208	0.0401	0.01	0.02
Sum engine index			**0.58**

Per section (d)(1)(C)(ii) the engines meet the criteria in Table 1 per section (e)(1)(B), thus the facility is exempt from filing a compliance plan for this facility. The engine group is located 3200 meters from the nearest receptor, see email dated 4/23/2012.

RULE XVII-Prevention of Significant Deterioration

1701 (b)(2)(A)- The emissions increase are well below the threshold limits of this Rule (permit condition limits annual operating hours to 200 hours per year).

1714 (b)(2)(A) The annual criteria emissions are well below the threshold limits of this Rule, thus GHG emission are well below the threshold limits and does not apply

Regulation XXX

This facility (id 800386) is included in Phase Two of the Title V universe. Therefore proposed equipment is expected to comply with the following sections:

Rule 3000 (b)(6)- The Title V expected permit revisions caused by this equipment I installation satisfies all the applicable conditions listed in this rule, thus it constitutes a de minimus permit evaluation.

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

Section (j)(1)(A) The EPA Administrator will timely receive the de minimis permit revision application whenever it becomes available to the Executive Officer.

Section (j)(1)(B) The EPA Administrator will timely receive the draft of the de minimis significant revision upon completion of District evaluation.

Section (j)(4) The applicant and the EPA will be timely notified of any refusal to accept all recommendations of the draft permits.

Rule 3005 (e) Whenever applicable, the procedures for de minimus permit revision stated in this rule will be addressed in a proper and timely manner.

CAM plan issues-Engine limited to 200 hours per year, uncontrolled PM emissions well below thresholds

CALIFORNIA AIRBORNE TOXIC CONTROL MEASURE FOR STATIONARY COMPRESSION IGNTIION ENGINES.

The ATCM was amended October 2010 and the requirements for Tier 4i and Tier 4 was removed and section 93115.6 (a)(3)(A)(1)(a) Table 1. Table 1 keeps the current Tier 2 and Tier 3 emissions standards for the applicable HP engine group. The revised ATCM is expected to be formally approved by CARB in spring 2011. CARB in November 2010 distributed a regulatory advisory that provided guidance on compliance with the ATCM during the transition period from the current ATCM to the amended ATCM.. The ATCM have become effective on May 19, 2011 when the California Office of Administrative Law (OAL) approved the CARB rulemaking for the amendments to ATCM. AQMD has announced that it intends to amend Rule 1470 to incorporate some of amendments to ATCM that have been approved by OAL. At this time, AQMD is considering amendments to Rule 1470 to align with the amended ATCM for all pollutants except diesel particulate matter (PM), which is a toxic and cancer causing air contaminant

NSPS

Title 40 Part 60 subpart III section 60.4205

Emergency CI ICE of model year of 2007 or later with a displacement of less than 30 liters per cylinder has to comply with the non road emissions standards. The engine displacement is 15 liters and the engine complies with Tier 2 emissions limits, thus compliance with this Regulation is met. The engine complies with the Tier 2 emissions requirements of this Rule (40 CFR Part 89.112). Permit condition no. 25, Rule tag the NOx+VOC and CO emissions limits to this Rule. For NOx, VOC and PM, Rule tag Rule 1303 (a) which is more stringent.

Per EPA, email dated 5/23/2012, as applicable, the permit conditions should at least include the requirements of these sections:

A. 40 CFR 60.4205(b)

The engine complies with the Tier 2 requirements of 40 CFR 89.112. Rule tag NOx+VOC, CO in permit condition no. 23. No Rule tag required for NOx , VOC and PM, because is more stringent.

B. 40 CFR 60.4207(b)

Rule tag condition no. 23, limiting the sulfur content of the fuel

C. 40 CFR 60.4209(a)

Rule tag condition no. 6, requiring a time elapsed meter

D. 40 CFR 60.4209(b)

Rule tag condition no. 13, requiring pressure gauge to measure the back pressure of the engine.

E. 40 CFR 60.4211(a)

New condition no. 25 per EPA, the operator shall operate the engine per manufacturer's written instructions

F. 40 CFR 60.4211(c)

New condition no. 25 per EPA, the operator shall comply with the emissions standards specified in 40 CFR 60.4205 (b). The engine must be installed and configured per manufacturer's emissions related specifications

G. 40 CFR 60.4211(f)

Rule tag condition no.4, limiting the testing time per year, this Rule allows up to 100 hours per year, but Rule 1303 (a) and Rule 1470 allows up to 50 hours per year testing.

H. 40 CFR 60.4214(b)

Rule tag condition no.8, requires record keeping.

I. 40 CFR 60.4214(c)

New condition no. 24 per EPA, the operator shall comply keep records of any corrective action if the backpressure of the engine nears its limits.

TITLE 40 PART 63, SUBPART ZZZZ

The engine is located at a medical center that is **not** a Major Source of HAPs

40 CFR 63.6590 (a)(2)(iii) is a stationary RICE engine located at an area source of HAP emissions and the engine is new if constructed after 6/12/2006. Because the new RICE is located

an area source it complies with 40 CFR 63 Subpart ZZZZ by complying with 40 CFR 60 Subpart IIII [40 CFR 63.6590(c)]. The engine complies with the Tier 3 emissions requirements of this Rule (40 CFR Part 89.112).

Record keeping per 63.10

RECOMMENDATIONS

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

For this reason, the following disposition is recommended; issue a revised Title V Facility Permit reflecting the addition of two emergency stand-by steam cleaners under section D.

Updates in Section D of the Title V facility Permit resulting from this addition are listed in Equipment and Condition sections of the attached draft permit.

RECOMMENDATIONS

FOR THIS APPLICATION THE FOLLOWING DISPOSITION IS RECOMMENDED:

Issue P/C

APPENDIX A

MAXIMUM INDIVIDUAL CANCER RISK

Methods per "Risk Assessment Procedures for Rule 1401 and 212" revised version 7.0, dated July 1, 2005.

Calculate contaminant R2 emissions (lb/hr) and ton/yr
Find the correct met zone for this location
Find the distance from equipment to the nearest residence and commercial receptor
Look up the unit risk factor for each contaminant

⇒ *Use unit Risk factor for diesel ice soot for MICR determination.*
⇒ *Note evaluate the engines at 1 hour per day, 50 weeks per year (testing)*
⇒ *Max concentration based on SCREEN III is 49 meters from the equipment*
⇒ *Stack diameter is 6 inches, per applicant, see e-mail dated April 19, 2012*
⇒ *Stack ht = 25 feet, per applicant, see e-mail dated April 19, 2012*
⇒ *Stack ACFM is 3625, see e-mail dated April 19, 2012*
⇒ *Sack temp is 901 F, see e-mail dated April 19, 2012*
⇒ *R1 PM emissions = 0.011 g/bhp-hr, per Cummins, see emissions data sheet in file*
⇒ *Control eff = 85% per Cummins/CARB executive order no. DE-05-002-03, copy in file*

⇒ *Typically the engines only operate at max load*

⇒ *PM emissions*

$$R1(lb/hr) = HP * g / hp - hr.$$

Where HP is the max engine HP.

Where g/bhp-hr is the PM emissions, provided by engine manufacture, copy of specs in file

⇒ Determine R2 from the outlet of the DPF filter

$$R2(lb/hr) = R1 * 0.15$$

APPENDIX B

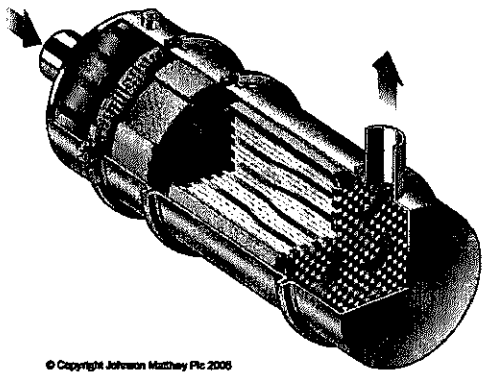
Johnson Matthey Clean Air control system, Level 3 certified (E/O DE-05-002-03)
Continuously regenerating technology (CRT) particulate filter
Multi filter design
CTRdm diagnostic module, the module monitors the exhaust temp. and back pressure and has alarms it the preset backpressure is exceeded
With data logging system(monitoring temperature and pressure drop.

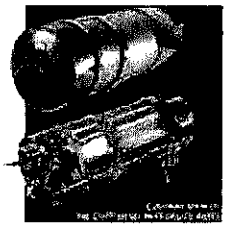
Reduces PM, HC and CO by 85%, 70% and 85% respectfully (for this evaluation only use the reductions in PM emissions

- Verified by CARB for emergency backup power, prime power and pumping
- Multiple-filter design enables the CRT to be used on all engine sizes
- Modular design for ease of installation, routing service and easy maintenance
- Self cleaning for convenience and ease of use
- No supplemental heat or fuel required.
- For optimal performance, operates with ultra low 15 ppmv Sulfur diesel (required by AQMD rule 431.2)
- Each unit is equipped with the CTRdm diagnostic module, with data logging, alarm capability and computer interface.
- Housed in stainless steel for strength and durability
- PM collection/filtration begins when the engine starts and continues for the entire run time

The proposed control system is verified as Level 3 Plus emissions control device and gone through extensive certification and testing program. CARB executive order no. DE-05-002-03 has operating condition in Table 1 of the executive order

- R1 PM emissions from the engine must be less than 0.1 g/bhp-hr
- Maximum consecutive minutes at idle is 240 minutes.
- Number of 30 minute idle sessions before regeneration is required is 24
- The engine must have a duty cycle with an ave. temperature profile greater than 300 degree C for 40% of the operating cycle.
- Number of hours before cleaning/replacement of filter is 5000
- PM verification level plus is at least 85% reduction
- The CRT control includes catalyzed passive diesel particulate and a CRTdm diagnostic module with data logging (monitor temp and pressure) and alarm system
- No changes are permitted to the control device without notifying ARB and must be approved by ARB





The CRT® particulate filter is a patented emission control technology that contains a Platinum (Pt) catalyst and a particulate filter. It is modularly engineered as a totally passive emission control system, which does not require the use of supplemental heat. The CRT® particulate filter requires ultra low (<50 ppm) sulfur fuel and functions on the basis that soot will oxidize in the presence of NO_2 at a lower temperature than with oxygen. Johnson Matthey's CRT technology is very compatible with the typical exhaust temperature from diesel engines. The device is made up of two chambers (refer to picture below) where the oxidation catalyst is separate from the soot collection/combustion process. The first chamber contains a substrate coated with a proprietary, highly active Pt oxidation catalyst which is designed to oxidize a portion of the NO in the exhaust to NO_2. This is the key to the oxidation of soot collected by the CRT® filter. This is the heart of the Johnson Matthey patent. The catalyst also converts CO, HC and hazardous air pollutants into CO_2 and H_2O. In the second chamber, the exhaust flows through a particulate filter, where gaseous components pass through but soot is trapped on the walls of the filter, where it is destroyed by the NO_2 produced by the catalyst in the first chamber. The CRT® filter is capable of converting >85% PM and >90% CO and HC, including toxics. NO_x reductions, while not guaranteed, are typically in the 5-10% range. The basic requirements for the CRT® particulate filter are ultra low sulfur fuel, an exhaust temperature of at least 250°C for 40% of the duty cycle and a NO_x/PM ratio of at least 20, with a preference for a higher ratio. Johnson Matthey's CRT® particulate filter is the most widely used filter for controlling PM from heavy-duty diesel engines, with more than 120,000 in use worldwide and more than a billion miles of service in transit buses, school buses, fuel delivery trucks, on-road heavy duty trucks, trams, and garbage trucks.

Engine data entry

Engine hp	755	hp
use default fuel usage	yes	
actual fuel rate	37.75	gal/hr
fuel rate	37.75	gal/hr
ues default E.F.	NO	yes/no
use PM default E.F	no	
Use 15 ppm sulfur	yes	yes/no
SOx-15 ppm sulfur	no	lb/mgal
PM10	0.96	
Nox (actual data)	4.59	g/bhp-hr
ROG (actual data)	0.11	g/bhp-hr
CO (actual data)	0.45	g/bhp-hr
PM (actual data)	0.01	g/bhp-hr
hr/dy	1	hr
dy/wk	1	dy
dy/mon	4	dy
wk/yr	50	wk

Emissions Calculations

	R1-lb/hr	R1-lb/dy	R2-30 dy av	R2-lb/yr
NOx	7.63	7.63	1.02	382
ROG	0.18	0.18	0.024	9.15
CO	0.75	0.75	0.10	37
SOx	0.0081	0.0081	0.0011	0.4069
PM	0.01663	0.02	0.0022	0.83
PM10	0.01596	0.02	0.0021	0.80

lbNOx/hr

=[E.F, g/bhp-hr][Rating, hp]

=[4.6 g/bhp-hr][755 hp][1 lb/454 g]

=[7.63 lb/hr]

lbNox/day
=[lbNOx/hr][hr/day]
=[7.63 lb/hr][1hr/day]
=[7.63 lb/hr][1hr/day]

30 day NOx ave
=[lbNox/day][days/mon]/[30 days/mon]
=[7.63 lb/day][4days/mon]/[30 days/mon]
=[1.02 lb/day]

lbNox/year
=[lbNox/day][days/wk][wk/yr]
=[7.63 lb/day][1days/wk][50wk/yr]
=[382 lb/year]

lbCO/hr
=[E.F, g/bhp-hr][Rating, hp]
=[0.5g/bhp-hr][755 hp][1 lb/454 g]
=[0.75 lb/hr]

lbCO/day
=[lbCO/hr][hr/day]
=[0.75 lb/hr][1hr/day]
=[0.75 lb/day]

30 day CO ave
=[lbCO/hr][hr/day]
=[0.10 lb/day][4days/mon]/[30 days/mon]
=[0.10 lb/day]

lbCO/year
=[lbCO/day][days/wk][wk/yr]
=[0.75 lb/day][1days/wk][50wk/yr]
=[37 lb/year]

lbROG/hr
[E.F, g/bhp-hr][Rating, hp]
[0.11 g/bhp-hr][755 hp][1 lb/454 g]
[0.18 lb/hr]

lbROG/day
[lbROG/hr][hr/day]
[0.18 lb/hr] [1 hr/day]
[0.18 lb/day]

30 day ROG ave
[lbROG/day][days/mon]/[30 days/mon]

[0.02 lb/day][4days/mon]/[30 days/mon]
[0.02 lb/day]

lbROG/year
[lbROG/day][days/wk][wk/yr]
[0.02 lb/day][1days/wk][50wk/yr]
[9 lb/year]

lbSOx/hr
[SOx E.F.][gal/hr][Fuel rate]
[nolb/mgal][37.75 gal/hr][1mgal/1000 gal]
########

lbSOx/day
[lbSOx/hr] x [hr/day]
########
########

30 day SOx ave
[lbSOx/day][days/mon]/[30 days/mon]
########
########

lbSOx/year
[lbSOx/day][days/wk][wk/yr]
########
########

lbPM/hr
[E.F, g/bhp-hr][Rating, hp]
[0.01 g/bhp-hr][755 hp][1 lb/454 g]
[0.017 lb/hr]

lbPM/day
[lbPM/hr][hr/day]
[0.0166 lb/hr] [1 hr/day]
[0.0166 lb/day]

30 day PM ave
[lbPM/day][days/mon]/[30 days/mon]
[0.0166 lb/day][4days/mon]/[30 days/mon]
[0.0022 lb/day]

lbPM/year
[lbPM/day][days/wk][wk/yr]
[0.0166 lb/day][1days/wk][50wk/yr]
[0.83 lb/year]

lbPM10/hr
[PM lb/hr][0.96]
[0.0166 lb/hr] [0.96]
[0.016 lb/hr]

lbPM10/dy
[PM lb/dy][0.96]
[0.0166 lb/day] [0.96]
[0.016 lb/day]

30 day ave PM10 lb/dy
[PM 30 dy ave][0.96]
[0.0166 lb/day] [0.96]
[0.016 lb/day]

lbPM10/yr
[PM lb/yr][0.96]
[0.8315 lb/yr] [0.96]
[0.798 lb/yr]

Equations

A. Emissions as a function of lb/mgal or g/bhp-hr

Emissions = E.F. (lb/mgal) * gal/hr * 1mgal/1000 gal
Emissions = gr/hp-hr *hp * 1lb/454 gr

B. NSR 30 day and lb/yr values

30 day ave = lb/hr * hr/dy * dy/mon * (1mon/30 day)

lb/yr = lb/hr * hr/dy * dy/wk * wk/yr

TIER 3 SCREENING RISK ASSESSMENT DATA INPUT

Application deemed complete date:	03/01/12
A/N:	
Fac:	

Stack Data

		Units
Hour/Day	1	hr/day
Day/Week	1	day/wk
Week/Year	50	wk/yr
Emission Units	lb/hr	
		0
Control Efficiency	0.00	fraction range 0-1
Does source have TBACT?	YES	
Point or Volume Source ?	P	P or V
Stack Height or Building Height	25	feet
Area (For Volume Source Only)	900	ft³
Distance-Residential	25	meters
Distance-Commercial	25	meters
Meteorological Station	Newhall	

Source Type:	O - Other
Screening Mode (NO = Tier 1 or Tier 2; YES = Tier 3)	YES

Emission Units	lb/hr	
Source output capacity	n/a	n/a

FOR USER-DEFINED CHEMICALS AND EMISSIONS, FILL IN THE TABLE BELOW

USER DEFINED CHEMICALS AND EMISSIONS				R1 - Uncontrolled	Efficiency Factor	R2 - Controlled
Cmpound Code	Compound	lb/hr	Molecular Weight	lbs/hr	Fraction range 0-1	lbs/hr
D14	Diesel PM from diesel-fueled internal combustion engine	1.60E-02	no data	0.01596	0.00000	0.01596
				0	0.00000	
				0	0.00000	
				0	0.00000	
				0		
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TIER 3 SCREENING RISK ASSESSMENT REPORT

A/N:	
Fac:	

Application deemed complete date: 03/01/12

2. Tier 2 Data

MET Factor	1.00
4 hr	0.87
6 or 7 hrs	0.77

Dispersion Factors tables

2	For Chronic X/Q
6	For Acute X/Q

Dilution Factors (ug/m3)/(tons/yr)

Receptor	X/Q	X/Qmax
Residential	0.312786999	17.12508818
Commercial	0.312786999	17.12508818

Adjustment and Intake Factors

	AFann	DBR	EVF
Residential	1	302	0.96
Worker	4.2	149	0.38

3. Rule 1401 Compound Data

Compound	R1 - uncontrolled (lbs/hr)	R2 - controlled (lbs/hr)	CP	MP MICR Resident	MP MICR Worker	MP Chronic Resident	MP Chronic Worker	REL Chronic	REL Acute
Diesel PM from diesel-fueled internal combustion engin	1.60E-02	1.60E-02	1.10E+00	1.0000	1.0000	1.0000	1.0000	5	

4. Emission Calculations

Compound	uncontrolled R1 (lb/hr)	controlled R2 (lb/hr)	R2 (lb/yr)	R2 (ton/yr)
Diesel PM from diesel-fueled internal combustion engin	1.60E-02	1.60E-02	0.798	0.000399
Total	1.60E-02	1.60E-02	7.98E-01	3.99E-04

A/N:

Application deemed complete date: 03/01/12

TIER 3 RESULTS

5a. MICR

MICR = CP (mg/(kg-day))^-1 * Q (ton/yr) * (X/Q) * AFann * MET * DBR * EVF * 1E-6* MP

Compound	Residential	Commercial
Diesel PM from diesel-fueled internal combustion engin	3.98E-08	3.26E-08
Total	**3.98E-08**	**3.26E-08**
	PASS	**PASS**

No Cancer Burden, MICR<1.0E-6

5b. Cancer Burden	**NO**
X/Q for one-in-a-million:	
Distance (meter)	2773.11
Area (km2):	2.41E+01
Population:	169,029
Cancer Burden:	**6.73E-03**

6. Hazard Index

HIA = [Q(lb/hr) * (X/Q)max] * AF / Acute REL

HIC = [Q(ton/yr) * (X/Q) * MET * MP] / Chronic REL

Target Organs	Acute	Chronic	Acute Pass/Fail	Chronic Pass/Fail
Alimentary system (liver) - AL			Pass	Pass
Bones and teeth - BN			Pass	Pass
Cardiovascular system - CV			Pass	Pass
Developmental - DEV			Pass	Pass
Endocrine system - END			Pass	Pass
Eye			Pass	Pass
Hematopoietic system - HEM			Pass	Pass
Immune system - IMM			Pass	Pass
Kidney - KID			Pass	Pass
Nervous system - NS			Pass	Pass
Reproductive system - REP			Pass	Pass
Respiratory system - RES		2.50E-05	Pass	Pass
Skin			Pass	Pass

A/N:

Application deemed complete date: 03/01/12

6a. Hazard Index Acute

HIA = [Q(lb/hr) * (X/Q)max] *AF/ Acute REL

Compound	HIA - Residential									
	AL	CV	DEV	EYE	HEM	IMM	NS	REP	RESP	SKIN
Diesel PM from diesel-fueled internal combustion engin										
Total										

Compound	HIA - Commercial									
	AL	CV	DEV	EYE	HEM	IMM	NS	REP	RESP	SKIN
Diesel PM from diesel-fueled internal combustion engin										
Total										

6b. Hazard Index Chronic

HIC = [Q(ton/yr) * (X/Q) * MET * MP] / Chronic REL

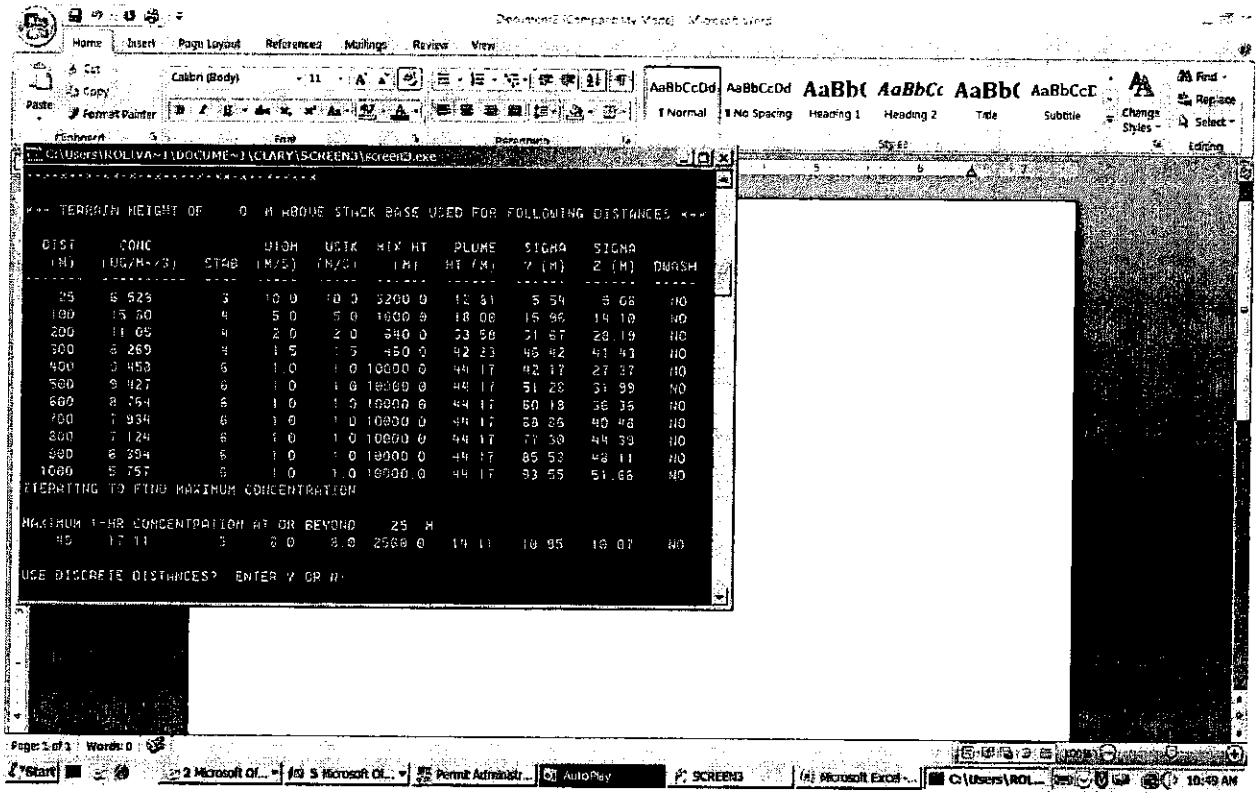
	HIC - Residential												
Compound	AL	BN	CV	DEV	END	EYE	HEM	IMM	KID	NS	REP	RESP	SKIN
Diesel PM from diesel-fueled internal combustion engin												2.50E-05	
Total												2.50E-05	

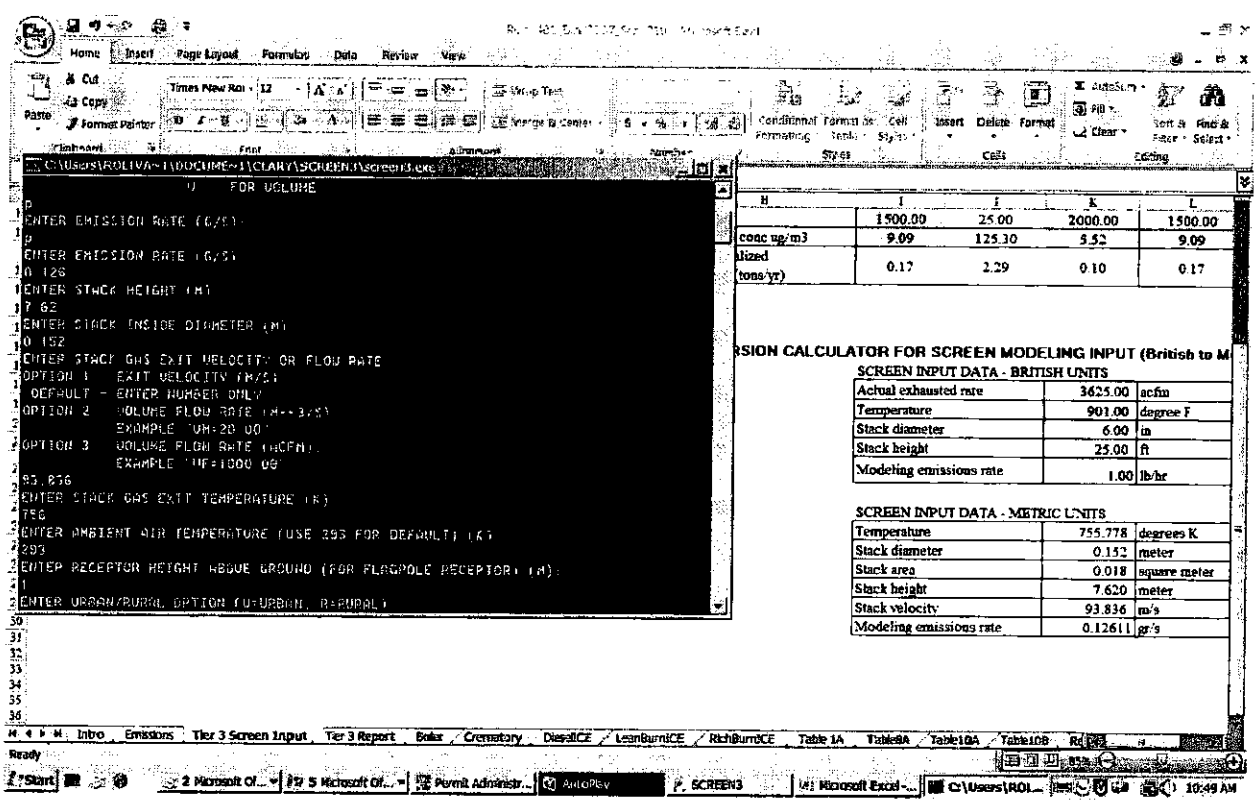
6b. Hazard Index Chronic (cont.)

A/N:

Application deemed complete date: 03/01/12

	HIC - Commercial												
Compound	AL	BN	CV	DEV	END	EYE	HEM	IMM	KID	NS	REP	RESP	SKIN
Diesel PM from diesel-fueled internal combustion engin												2.50E-05	
Total												2.50E-05	


C:\Users\ROLIVA~1\DOCUME~1\CLARY\SCREEN3\screen3.exe
*** TERRAIN HEIGHT OF 0 M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***
DIST (M) CONC (UG/M**3) STAB UIOM (M/S) USTK (M/S) MIX HT (M) PLUME HT (M) SIGMA Y (M) SIGMA Z (M) DWASH
25 6 523 3 10 0 10 0 3200 0 12 81 5 54 5 08 NO
100 15 60 4 5 0 5 0 1000 0 18 00 15 96 14 10 NO
200 11 05 4 2 0 2 0 640 0 33 58 31 67 28 19 NO
300 6 269 4 1 5 1 5 460 0 42 23 46 42 41 43 NO
400 3 458 6 1.0 1 0 10000 0 44 17 42 17 27 37 NO
500 9 427 6 1 0 1 0 10000 0 44 17 51 28 31 99 NO
600 8 764 6 1 0 1 0 10000 0 44 17 60 18 36 36 NO
700 7 934 6 1 0 1 0 10000 0 44 17 68 86 40 48 NO
800 7 124 6 1 0 1 0 10000 0 44 17 77 30 44 39 NO
900 6 394 6 1 0 1 0 10000 0 44 17 85 53 48 11 NO
1000 5 757 6 1 0 1.0 10000.0 44 17 93 55 51.66 NO
ITERATING TO FIND MAXIMUM CONCENTRATION
MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 25 M
45 17 11 3 8 0 8.0 2500 0 14 11 10 95 10 07 NO
USE DISCRETE DISTANCES? ENTER Y OR N:


C:\Users\ROLIVA~1\DOCUME~1\CLARY\SCREEN3\screen3.exe
FOR VOLUME
ENTER EMISSION RATE (G/S):
ENTER EMISSION RATE (G/S)
0 126
ENTER STACK HEIGHT (M)
7 62
ENTER STACK INSIDE DIAMETER (M)
0 152
ENTER STACK GAS EXIT VELOCITY OR FLOW RATE
OPTION 1 EXIT VELOCITY (M/S)
DEFAULT - ENTER NUMBER ONLY
OPTION 2 VOLUME FLOW RATE (M**3/S)
EXAMPLE 'VM=20 00'
OPTION 3 VOLUME FLOW RATE (ACFM)
EXAMPLE 'VF=1000 00'
93.836
ENTER STACK GAS EXIT TEMPERATURE (K)
756
ENTER AMBIENT AIR TEMPERATURE (USE 293 FOR DEFAULT) (K)
293
ENTER RECEPTOR HEIGHT ABOVE GROUND (FOR FLAGPOLE RECEPTOR) (M):
1
ENTER URBAN/RURAL OPTION (U=URBAN, R=RURAL)
H I J K L
1500.00 25.00 2000.00 1500.00
conc ug/m3 9.09 125.30 5.52 9.09
lized (tons/yr) 0.17 2.29 0.10 0.17
RSION CALCULATOR FOR SCREEN MODELING INPUT (British to M
SCREEN INPUT DATA - BRITISH UNITS
Actual exhausted rate 3625.00 acfm
Temperature 901.00 degree F
Stack diameter 6.00 in
Stack height 25.00 ft
Modeling emissions rate 1.00 lb/hr
SCREEN INPUT DATA - METRIC UNITS
Temperature 755.778 degrees K
Stack diameter 0.152 meter
Stack area 0.018 square meter
Stack height 7.620 meter
Stack velocity 93.836 m/s
Modeling emissions rate 0.12611 gr/s
Intro Emissions Tier 3 Screen Input Tier 3 Report Boiler Crematory DieselICE LeanBurnICE RichBurnICE Table 1A Table8A Table10A Table10B

	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT			
	Certified ICE-EMERGENCY GENERATORS (Updated February 22, 2012)			
	DIESEL FUEL EXCEPT AS SPECIFIED			
PG engines) do not currently comply with the District Rule 1470. Diesel Particulate Filter (DPF) and other controls ma				
Cummins	QSX15-G9	755 BHP	500 KW	455700

y be required.						
9/30/2012	EPA-TIER 2	0.11	4.59		0.45	0.075

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER DE-05-002-03

Pursuant to the authority vested in the Air Resources Board (ARB) by Health and Safety Code, Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39616 and Executive Order G-02-003;

Relating to Verification under Sections 2700 through 2710 of Title 13 of the California Code of Regulations:

CleanAIR Systems, Inc.
PERMIT™

ARB has reviewed CleanAIR Systems' request for verification of the PERMIT™ diesel particulate filter (DPF). Based on an evaluation of the data provided, and pursuant to the terms and conditions specified below, the Executive Officer of ARB hereby finds that the PERMIT™ DPF reduces emissions of diesel particulate matter (PM) consistent with a Level 3 device (greater than or equal to 85 percent reductions) (Title 13 California Code of Regulations (CCR) Sections 2702 (f) and (g) and Section 2708) and complies with the CARB January 1, 2009, NO_2 limit (CCR, Title 13, Section 2702 (f) and section 2706 (a)). Accordingly, the Executive Officer determines that the system merits verification and, subject to the terms and conditions specified below, classifies the PERMIT™ as a Level 3 Plus system, for use with stationary prime and emergency standby generators using the engine families listed in Attachment 1.

This verification is subject to the following terms and conditions:

- The engines are model years 1996 or newer, certified to nonroad diesel engine emission standards Tier 1, Tier 2, or Tier 3, and having the engine family names listed in Attachment 1.
- The engine must be in their original certified configuration.
- The engine must not employ exhaust gas recirculation.
- The engine must not have a pre-existing oxidation catalyst.
- The engine must not have a pre-existing diesel particulate filter.
- The engine must be four-stroke.
- The engine can be turbocharged or naturally-aspirated.
- The engine must be certified to meet the ARB off-road engine standards for compression ignition engines.
- The engine must achieve a particulate matter emission level equal or less than 0.2 g/bhp-hr (as tested on an appropriate steady-state certification cycle outlined in the ARB off-road regulations – similar to ISO 8178 D2).

- CleanAIR must review actual operating conditions (duty cycle, baseline emissions, exhaust temperature profiles, and engine backpressure) prior to retrofitting an engine with the PERMIT™ DPF to ensure compatibility.
- The engine should be well maintained and not consume lubricating oil at a rate greater than that specified by the engine manufacturer.
- The other terms and conditions specified below.

Table 1: Conditions for the PERMIT™

Parameter	Value
Application	Stationary Prime and Emergency Standby Power Generation
Engine Type	Diesel, with or without turbocharger, without Exhaust-Gas Recirculation (EGR), mechanically or electronically controlled, certified Tier 1, Tier 2, or Tier 3 off-road engines that have particulate matter (PM) emissions of less than or equal to 0.2 g/bhp-hr.
Maximum consecutive minutes at idle	240 minutes
Number of 10 minute idle sessions before regeneration is required	Regeneration recommended after 12 consecutive sessions; required after 24
Minimum temperature/load/time requirements for regeneration in 4-stroke engine	300° Celsius for 30% of operating time or 2 hours, whichever is longer. For most engines, 40% load results in temperature of at least 300° Celsius. **For 2010 Caterpillar engines listed in Attachment 1, the engine operating parameters (minimum load and exhaust temperature) must be met for 30% of operating time or 2 hours, whichever is longer.**
Number of hours of operation before cleaning/disposal of filter	5000 hours under normal operating conditions
Fuel	California diesel fuel with less than or equal to 15 ppm sulfur or a biodiesel blend provided that the biodiesel portion of the blend complies with ASTM D6751 (15 ppm sulfur), the diesel portion of the blend complies with Title 13 (CCR), sections 2281 and 2282 and the blend contains no more than 20 percent biodiesel by volume.
PM Verification Level	Level 3 Plus Verification: • PM – at least 85% reduction • NO_2 – meets January 2009 limit

IT IS ALSO ORDERED AND RESOLVED: That installation of the PERMIT™, manufactured by CleanAIR Systems, 4379 Center Place, Santa Fe, NM 87507,

has been found not to reduce the effectiveness of the applicable engine pollution control system.

The PERMIT™ consists of a catalyzed passive diesel particulate filter and a backpressure monitor, HIBACK.

This Executive Order is valid provided that installation instructions for PERMIT™ do not recommend tuning the engine to specifications different from those of the engine manufacturer.

Changes made to the design or operating conditions of PERMIT™, as exempted by ARB, which adversely affect the performance of the engine's pollution control system, shall invalidate this Executive Order.

No changes are permitted to the device. ARB must be notified in writing of any changes to any part of PERMIT™. Any changes to the device must be evaluated and approved by ARB. Failure to do so shall invalidate this Executive Order.

Marketing of the PERMIT™ using identification other than that shown in this Executive Order or for an application other than that listed in this Executive Order shall be prohibited unless prior approval is obtained from ARB.

This Executive Order shall not apply to any PERMIT™ advertised, offered for sale, sold with, or installed on an engine prior to or concurrent with transfer to an ultimate purchaser.

As specified in the Diesel Emission Control Strategy Verification Procedure (Title 13 CCR Section 2706 (g)), the ARB assigns each Diesel Emission Control Strategy a family name. The CleanAIR Systems PERMIT™ designated family name for the verification as outlined above is:

CA/CAS/2003/PM3+/N00/ST/DPF01

Additionally, as stated in the Diesel Emission Control Strategy Verification Procedure, CleanAIR Systems, Inc. is responsible for honoring their warranty (CCR, Title 13, section 2707) and conducting in-use compliance testing (section 2709).

In addition to the foregoing, ARB reserves the right in the future to review this Executive Order and the exemption and verification provided herein to assure that the exempted and verified add-on or modified part continues to meet the standards and procedures of CCR, Title 13, section 2222, et seq and CCR, Title 13, sections 2700 through 2710.

Systems verified under this Executive Order shall conform to all applicable California emissions regulations. This Executive Order does not release CleanAIR Systems, Inc. from complying with all other applicable regulations.

Violation of any of the above conditions shall be grounds for revocation of this Executive Order.

Executive Order DE-05-002-002 is hereby superseded and is of no further force and effect.

Executed at Sacramento, California, this 2nd day of May, 2011.

James N. Goldstene
Executive Officer
by

Richard W. Corey, Chief
Stationary Source Division

Attachment 1: Verified for Stationary Diesel Engines PERMIT™ DPF Off-Road Certified Engine Family List (0 ≤ 0.2 g/bhp-hr PM)