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

June 14, 2012

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

Subject: University of California, Los Angeles (ID 18452) – Title V Permit Revision

Dear Mr. Rios:

The University of California, Los Angeles has proposed to revise their Title V permit under application no. 534238 by the addition of an ethylene oxide sterilization unit and the associated ethylene oxide adsorber/abator. This is a college located at 405 Hilgard Avenue, Los Angeles, CA 90095. The proposed permit revision is considered as a minor permit revision" to their Title V permit. Attached for your review is the evaluation and Section D of the Facility Permit for the proposed revision. With the receipt of the proposed Title V permit revision today, we will note that the EPA 45-day review period begins on June 14, 2012.

If you have any questions or need additional information regarding the proposed permit revision, please call Mr. Kenneth L. Coats (909) 396-2527.

Very truly yours,

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

cc: Mr. David Ott, University of California, Los Angeles

BLY:AYL:JTY:klc
Attachments

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Facility Equipment and Requirements
(Section D)

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

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PERMITTED EQUIPMENT LIST

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

Application No.	Permit to Operate Number	Equipment Description
225062	D71162	BOILER (5-20 MMBTU/HR) NAT GAS ONLY
225063	D71165	BOILER (5-20 MMBTU/HR) NAT GAS ONLY
231888	F01220	BOILER (>50 MMBTU/HR) NAT/PROC & DIST CG
246178	D48280	I C E (>500 HP) EM ELEC GEN DIESEL
246760	D38196	I C E (50-500 HP) EM ELEC GEN-DIESEL
256844	D44160	SPRAY BOOTH PAINT AND SOLVENT
283761	D75643	I C E (>500 HP) EM ELEC GEN DIESEL
285578	D77804	I C E (50-500 HP) EM ELEC GEN-DIESEL
285579	D77805	I C E (50-500 HP) EM ELEC GEN-DIESEL
285580	D77806	I C E (50-500 HP) EM ELEC GEN-DIESEL
285586	F2943	I C E (>500 HP) EM ELEC GEN DIESEL
293492	D99790	I C E (>500 HP) EM ELEC GEN DIESEL
293494	D98768	I C E (50-500 HP) EM ELEC GEN DIESEL
293496	F00370	I C E (50-500 HP) EM ELEC GEN-DIESEL
293498	F00371	I C E (>500 HP) EM ELEC GEN DIESEL
293499	D98801	I C E (50-500 HP) EM ELEC GEN-DIESEL
299891	D87699	I C E (>500 HP) EM ELEC GEN DIESEL
300226	D88255	I C E (>500 HP) EM ELEC GEN DIESEL
301583	D89155	I C E (50-500 HP) EM ELEC GEN-DIESEL
301724	D89196	I C E (>500 HP) EM ELEC GEN DIESEL
307859	F00255	TURBINE ENGINE (<=50 MW) NAT GAS-LDF GAS
307860	F00070	TURBINE ENGINE (<=50 MW) NAT GAS-LDF GAS
318723	F2279	I C E (50-500 HP) EM ELEC GEN-DIESEL
319009	F4805	I C E (50-500 HP) EM ELEC GEN-DIESEL
319012	F4808	I C E (50-500 HP) EM ELEC GEN-DIESEL
319015	F4807	I C E (50-500 HP) EM ELEC GEN-DIESEL
319016	F4681	I C E (50-500 HP) EM ELEC GEN-DIESEL
319017	F5269	I C E (50-500 HP) EM ELEC GEN-DIESEL
319020	F4806	I C E (50-500 HP) EM ELEC GEN-DIESEL
319021	F5268	I C E (50-500 HP) EM ELEC GEN-DIESEL
319025	F5266	I C E (50-500 HP) EM ELEC GEN-DIESEL
320232	F3116	I C E (50-500 HP) EM ELEC GEN-DIESEL

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323826	F4983	I C E (50-500 HP) EM ELEC GEN-DIESEL
324434	F5492	I C E (50-500 HP) EM ELEC GEN-DIESEL
324436	F37549	I C E (50-500 HP) EM ELEC GEN-DIESEL
324438	F37540	I C E (50-500 HP) EM ELEC GEN-DIESEL
324439	F37551	I C E (>500 HP) EM ELEC GEN DIESEL
332786	F9960	I C E (50-500 HP) EM ELEC GEN-DIESEL
336111	F11549	I C E (>500 HP) EM ELEC GEN DIESEL
346215	F17312	I C E (>500 HP) EM ELEC GEN DIESEL
363084	F23691	I C E (>500 HP) EM ELEC GEN DIESEL
363085	F23692	I C E (>500 HP) EM ELEC GEN DIESEL
377360	F36980	I C E (>500 HP) EM ELEC GEN DIESEL
378897	F37887	I C E (50-500 HP) EM ELEC GEN DIESEL
378957	F38570	I C E (50-500 HP) EM ELEC GEN DIESEL
378959	F38571	I C E (>500 HP) EM ELEC GEN DIESEL
378960	F38572	I C E (50-500 HP) EM ELEC GEN DIESEL
383299	F37922	I C E (50-500 HP) EM ELEC GEN DIESEL
383303	F39010	I C E (50-500 HP) EM ELEC GEN DIESEL
398478	F49789	I C E (>500 HP) EM ELEC GEN DIESEL
400674	F52213	I C E (>500 HP) EM ELEC GEN DIESEL
400675	F52214	I C E (50-500 HP) EM ELEC GEN DIESEL
400702	F52215	I C E (50-500 HP) EM ELEC GEN DIESEL
408454	F56614	I C E (>500 HP) EM ELEC GEN DIESEL
409647	F58406	I C E (>500 HP) EM ELEC GEN DIESEL
409648	F58435	I C E (50-500 HP) EM ELEC GEN DIESEL
409649	F58436	I C E (50-500 HP) EM ELEC GEN DIESEL
415044	F62618	I C E (50-500 HP) EM ELEC GEN-DIESEL
406662	F81771	SELECTIVE CATALYTIC CONVERTER
406663	F81770	SELECTIVE CATALYTIC CONVERTER
431761	F71100	I C E (>500 HP) EM ELEC GEN DIESEL
431762	F71101	I C E (>500 HP) EM ELEC GEN DIESEL
438367	F73157	I C E (50-500 HP) EM ELEC GEN DIESEL
438553	F73384	I C E (>500 HP) EM ELEC GEN DIESEL
447811	F82410	I C E (>500 HP) EM ELEC GEN DIESEL
447812	F82411	I C E (>500 HP) EM ELEC GEN DIESEL
448155	F90961	I C E (>500 HP) EM ELEC GEN DIESEL
448157	F79657	BOILER (<5 MMBTU/HR) NAT GAS ONLY
448158	F78903	I C E (>500 HP) EM ELEC GEN DIESEL
448159	F78904	I C E (>500 HP) EM ELEC GEN DIESEL
448160	F78905	I C E (>500 HP) EM ELEC GEN DIESEL
448161	F78906	I C E (>500 HP) EM ELEC GEN DIESEL
448551	F82412	I C E (>500 HP) EM ELEC GEN DIESEL
451548	N19559	GASOLINE STORAGE & DISPENSING

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455087	F89260	I C E (50-500 HP) EM ELEC GEN DIESEL
459848	F84400	I C E (>500 HP) EM ELEC GEN DIESEL
459849	F84399	I C E (>500 HP) EM ELEC GEN DIESEL
459850	F84398	I C E (>500 HP) EM ELEC GEN DIESEL
459851	F84397	I C E (>500 HP) EM ELEC GEN DIESEL
459852	F84396	I C E (>500 HP) EM ELEC GEN DIESEL
473877	F95749	I C E (50-500 HP) EM ELEC GEN DIESEL
473878	F95750	I C E (>500 HP) EM ELEC GEN DIESEL
475260	F95751	I C E (>500 HP) EM ELEC GEN DIESEL
481972	F97591	I C E (>500 HP) EM ELEC GEN DIESEL
498393	G3897	I C E (50-500 HP) EM ELEC GEN DIESEL
498553	G3896	I C E (50-500 HP) EM ELEC GEN DIESEL
503209	G9381	IC ENGINE (50-500 HP) EMERGENCY FIRE FIGHTING – DIESEL
503210	G9382	I C E (50-500 HP) EM ELEC GEN DIESEL
514355	G14970	I C E (>500 HP) EM ELEC GEN DIESEL
514356	G14969	I C E (>500 HP) EM ELEC GEN DIESEL
518257	P/C	I C E (>500 HP) EM ELEC GEN DIESEL
518259	P/C	I C E (>500 HP) EM ELEC GEN DIESEL
523954	P/C	BOILER, 5-20 MMBTU/HR
524888	P/C	I C E (>500 HP) EM ELEC GEN DIESEL
524885	P/C	I C E (>500 HP) EM ELEC GEN DIESEL
524890	P/C	I C E (>500 HP) EM ELEC GEN DIESEL
525289	P/C	I C E (>500 HP) EM ELEC GEN DIESEL
527483	P/C	BOILER (5-20 MMBTU/HR) NAT GAS ONLY
527493	P/C	BOILER (5-20 MMBTU/HR) NAT GAS ONLY
534246	P/C	ETHYLENE OXIDE STERILIZER
534248	P/C	ETHYLENE OXIDE ADSORBER/ABATOR

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

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FACILITY WIDE CONDITION(S)

Condition(s):

1. EXCEPT FOR OPEN ABRASIVE BLASTING OPERATIONS, THE OPERATOR SHALL NOT DISCHARGE INTO THE ATMOSPHERE FROM ANY SINGLE SOURCE OF EMISSIONS WHATSOEVER ANY AIR CONTAMINANT FOR A PERIOD OR PERIODS AGGREGATING MORE THAN THREE MINUTES IN ANY ONE HOUR WHICH IS:

   A. AS DARK OR DARKER IN SHADE AS THAT DESIGNATED NO. 1 ON THE RINGLEMANN CHART, AS PUBLISHED BY THE UNITED STATES BUREAU OF MINES; OR
   B. OF SUCH OPACITY AS TO OBSCURE AN OBSERVER'S VIEW TO A DEGREE EQUAL TO OR GREATER THAN DOES SMOKE DESCRIBED IN SUBPARAGRAPH (A) OF THIS CONDITION. [RULE 401]

2. THE OPERATOR SHALL NOT PURCHASE ANY DIESEL FUEL UNLESS THE FUEL IS LOW SULFUR DIESEL FOR WHICH THE SULFUR CONTENT SHALL NOT EXCEED 15 PPM BY WEIGHT AS SUPPLIED BY THE SUPPLIER.
   [RULE 431.2]

3. THE OPERATOR SHALL NOT USE OR SELL GASEOUS FUEL CONTAINING SULFUR COMPOUNDS IN EXCESS OF 40 PPMV CALCULATED AS HYDROGEN SULFIDE AVERAGED OVER FOUR HOURS. [RULE 431.1]

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PERMIT TO OPERATE

Permit No. D71162
A/N 225062

Equipment Description:

BOILER, CLEAVER BROOKS, FIRETUBE TYPE, MODEL CB700-300, RATED AT 12,555,000 BTU PER HOUR, NATURAL GAS-FIRED, WITH A CLEAVER BROOKS BURNER AND A FORCED FLUE GAS RECIRCULATION SYSTEM (LOCATED AT THE MEDICAL PLAZA).

Conditions:

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

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

3. THIS BOILER SHALL BE FIRED ONLY WITH NATURAL GAS.
[RULE 1303 (a)(1)]

4. THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN FULL USE WHENEVER THE BOILER STACK TEMPERATURE EXCEEDS 200 DEGREES FAHRENHEIT. THE OXIDES OF NITROGEN (NO_X) SHALL NOT EXCEED 40 PPM, CALCULATED AS NO_2, AND THE EMISSIONS OF CARBON MONOXIDE (CO) SHALL NOT EXCEED 400 PPM, BOTH MEASURED BY VOLUME ON A DRY BASIS AT 3% O_2, AND AVERAGED OVER A MINIMUM OF 15 CONSECUTIVE MINUTES. THE OWNER OR OPERATOR OF THIS BOILER SHALL MAINTAIN A COPY OF THE SOURCE TEST WHICH DEMONSTRATES COMPLIANCE AND THIS REPORT SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303 (a)(1)]

5. AN INDICATING INSTRUMENT SHALL BE INSTALLED AND MAINTAINED TO ADEQUATELY MEASURE THE BOILER STACK TEMPERATURE.
[RULE 1303 (a)(1)]

Emissions And Requirements:

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

CO:	2000 PPMV, RULE 407
PM:	0.1 GR/SCF, RULE 409
CO:	400 PPMV, RULE 1303 (a)(1)
NOX:	40 PPMV, RULE 1303 (a)(1)
NOX:	30 PPMV, RULE 1146
CO:	400 PPMV, RULE 1146

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PERMIT TO OPERATE

Permit No. D71165
A/N 225063

Equipment Description:

BOILER, CLEAVER BROOKS, FIRETUBE TYPE, MODEL CB700-300, RATED AT12,555,000 BTU PER HOUR, NATURAL GAS-FIRED, WITH A CLEAVER BROOKS BURNER AND A FORCED FLUE GAS RECIRCULATION SYSTEM (LOCATED AT THE MEDICAL PLAZA).

Conditions:

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

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

3. THIS BOILER SHALL BE FIRED ONLY WITH NATURAL GAS.
[RULE 1303 (a)(1)]

4. THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN FULL USE WHENEVER THE BOILER STACK TEMPERATURE EXCEEDS 200 DEGREES FAHRENHEIT. THE OXIDES OF NITROGEN (NO_X) SHALL NOT EXCEED 40 PPM, CALCULATED AS NO_2, AND THE EMISSIONS OF CARBON MONOXIDE (CO) SHALL NOT EXCEED 400 PPM, BOTH MEASURED BY VOLUME ON A DRY BASIS AT 3% O_2, AND AVERAGED OVER A MINIMUM OF 15 CONSECUTIVE MINUTES. THE OWNER OR OPERATOR OF THIS BOILER SHALL MAINTAIN A COPY OF THE SOURCE TEST WHICH DEMONSTRATES COMPLIANCE AND THIS REPORT SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303 (a)(1)]

5. AN INDICATING INSTRUMENT SHALL BE INSTALLED AND MAINTAINED TO ADEQUATELY MEASURE THE BOILER STACK TEMPERATURE.
[RULE 1303 (a)(1)]

Emissions And Requirements:

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

CO:	2000 PPMV, RULE 407
PM:	0.1 GR/SCF, RULE 409
CO:	400 PPMV, RULE 1303 (a)(1)
NOX:	40 PPMV, RULE 1303 (a)(1)

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NOX: 30 PPMV, RULE 1146
CO: 400 PPMV, RULE 1146

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PERMIT TO OPERATE

Permit No. F01220
A/N 231888

Equipment Description:

BOILER (AUXILIARY), ZURN/KEYSTONE, MODEL NO. 1832, RATED AT 224.4 MILLION BTU PER HOUR, WITH COEN LOW NOX BURNER, NATURAL GAS OR FUEL OIL, FLUE GAS RECIRCULATION SYSTEM, AND OXYGEN TRIM, BACKUP TO THE COGENERATION SYSTEM.

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 AND MAINTAINED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 1303 (a)(1)]

4. THIS BOILER SHALL BE EQUIPPED WITH A FLOW MONITORING DEVICE WHICH SHALL MEASURE AND RECORD EACH FUEL (BOTH NATURAL GAS AND FUEL OIL) CONSUMPTION (IN MILLION BTU'S PER HOUR).
[RULE 1146]

5. THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN FULL OPERATION WHENEVER THIS BOILER IS IN OPERATION.
[RULE 1303 (a)(1)]

6. THE EMISSIONS OF OXIDES OF NITROGEN AS NO2 FROM THE BOILER SHALL NOT EXCEED 40 PPMV MEASURED AT 3 PERCENT OXYGEN, EXCEPT DURING START-UPS AND SHUT-DOWNS.
[RULE 1303 (a)(1)]

7. A CONTINUOUS MONITORING SYSTEM SHALL BE MAINTAINED AND OPERATED TO MEASURE, OVER A FIFTEEN MINUTE AVERAGE TIME PERIOD, AND RECORD THE AUXILIARY BOILER EXHAUST STACK FOR NOX, CO AND O2 CONCENTRATIONS, ON A DRY BASIS. THE SYSTEM SHALL ALSO CONVERT THE ACTUAL NOX AND CO CONCENTRATIONS TO A CORRECTED CONCENTRATION AT 3 PERCENT OXYGEN, ON A DRY BASIS, AND CONTINUOUSLY RECORD THE CORRECTED STACK NOX AND CO CONCENTRATIONS. IN ADDITION, THE SYSTEM SHALL MONITOR AND RECORD THE DAILY NOX AND CO EMISSIONS IN POUNDS PER DAY FROM THE BOILER. THIS MONITORING SYSTEM SHALL BE CERTIFIED TO COMPLY WITH THE REQUIREMENTS OF RULE 218.
[RULE 1146, RULE 218]

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8. THE BOILER MAY ONLY FIRE FUEL OIL WHEN NATURAL GAS SUPPLY TO UCLA IS UNAVAILABLE, EXCEPT DURING TESTING.
[RULE 1303 (a)(1)]

9. FOR TESTING PURPOSES, THIS BOILER SHALL NOT BE OPERATED WITH FUEL OIL FOR MORE THAN 8 HOURS PER DAY OR 100 HOURS PER YEAR.
[RULE 1303 (a)(1), RULE 1303 (b)(2)]

10. ONLY ONE OF THE TWO GAS TURBINES (NO. 1 AND NO. 2) MAY OPERATE SIMULTANEOUSLY WITH THIS AUXILIARY BOILER.
[RULE 1303 (a)(1), RULE 1303 (b)(2)]

11. WHEN THE AUXILIARY BOILER IS FIRING NATURAL GAS, THE EMISSIONS FROM THE AUXILIARY BOILER EXHAUST STACK, EXCEPT DURING START-UPS AND SHUT- DOWNS, SHALL NOT EXCEED THE FOLLOWING POUND PER DAY LIMITS:

ROG(AS CH4)	NOX	SOX	CO	PM
40	301	3	230	29

[RULE 1303 (b)(2)]

12. WHEN THE AUXILIARY BOILER IS FIRING NATURAL GAS, THE EMISSIONS FROM THE AUXILIARY BOILER EXHAUST STACK, EXCEPT DURING START-UPS AND SHUT-DOWNS, SHALL NOT EXCEED THE FOLLOWING POUND PER HOUR LIMITS:

ROG(AS CH4)	NOX	SOX	CO	PM
1.7	12.5	0.13	9.6	1.2

[RULE 1303 (b)(2)]

13. WHEN THE AUXILIARY BOILER IS FIRING FUEL OIL, THE EMISSIONS FROM THE AUXILIARY BOILER EXHAUST STACK, EXCEPT DURING START-UPS AND SHUT-DOWNS, SHALL NOT EXCEED THE FOLLOWING POUND PER DAY LIMITS:

ROG(AS CH4)	NOX	SOX	CO	PM
37	298	276	192	201

[RULE 1303 (b)(2)]

14. WHEN THE AUXILIARY BOILER IS FIRING FUEL OIL, THE EMISSIONS FROM THE AUXILIARY BOILER EXHAUST STACK, EXCEPT DURING START-UPS AND SHUT-DOWNS, SHALL NOT EXCEED THE FOLLOWING POUND PER HOUR LIMITS:

ROG(AS CH4)	NOX	SOX	CO	PM
1.5	12.4	11.5	8	8.4

[RULE 1304 (c)(4)]

15. THE MAXIMUM QUANTITY OF THE FUEL USED SHALL NOT EXCEED THE EQUIVALENT OF 224 MILLION BTU'S PER HOUR BASED ON THE LOWER HEATING VALUE OF THE FUEL.
[RULE 1303 (a)(1)]

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16. THE MAXIMUM QUANTITY OF THE FUEL USED SHALL NOT EXCEED THE EQUIVALENT OF 490,560 MILLION BTU'S IN ANY ONE YEAR BASED ON THE LOWER HEATING VALUE OF THE FUEL.
[RULE 1146]

17. ALL CONCENTRATIONS OF GASEOUS EMISSIONS SHALL BE EXPRESSED IN PARTS PER MILLION BY VOLUME CORRECTED TO 3 PERCENT OXYGEN DRY AND SHALL BE MEASURED OVER FOUR CONSECUTIVE FIFTEEN-MINUTE AVERAGE TIME PERIODS IN ANY ONE HOUR.
[RULE 1303 (a)(1)]

18 THE OPERATOR SHALL KEEP THE FOLLOWING RECORDS:

A. DATES AND TIMES OF START-UPS AND SHUT-DOWNS

B. QUANTITY OF NATURAL GAS AND FUEL OIL BURNED

C. DAILY LOG SHOWING THE REASONS WHY NATURAL GAS WAS NOT USED AND THE NUMBER OF HOURS DURING WHICH BACK-UP FUEL WAS USED

D. THE RESULTS FROM THE MONITORS REQUIRED BY PERMIT CONDITION NOS. 4 AND 8.

RECORDS OF THE OPERATION OF THE AUXILIARY BOILER SHALL BE MAINTAINED BY UCLA AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1146]

Periodic Monitoring:

19. 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)]

20. UNITS WITH AN ANNUAL OIL USAGE GREATER THAN 2,000,000 GALLONS IN ANY ONE YEAR THE OPERATOR SHALL CONDUCT SOURCE TESTING FOR PARTICULATE MATTER ONCE EVERY FIVE YEARS. 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.

B. DATE WHEN SOURCE TEST FOR PARTICULATE MATTER WAS CONDUCTED.
[RULE 3004 (a)(4)]

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

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

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

Emissions And Requirements:

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

CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409
CO: 400 PPMV, RULE 1146
NOX: 40 PPMV, RULE 1303 (a)(1)
NOX: 30 PPMV, RULE 1146
NOX: 125 PPMV, GAS, RULE 476
NOX: 225 PPMV, FUEL OIL, RULE 476

~~FACILITY PERMIT TO OPERATE~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. D48280
A/N 246178

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, MODEL NO. 3412, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, TURBOCHARGED, AFTERCOOLED, 12 CYLINDERS, 890 BHP (LOCATED AT MRL).

Conditions:

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

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

3. A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

6. EXCEPT FOR MAINTENANCE TESTING PURPOSES, THIS ENGINE MAY ONLY OPERATE DURING UTILITY FAILURE PERIODS.
[RULE 1304 (a)(4]

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

8. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

9. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

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10. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

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PERMIT TO OPERATE

Permit No. D38196
A/N 246760

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3306TA, SERIAL NO. 2AJ00405, 6 CYLINDERS, FOUR CYCLE, TURBOCHARGED, AFTERCOOLED, 339 BHP, WITH 1 EXHAUST (LOCATED AT COVEL).

Conditions:

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

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

3. AN ELAPSED TIME METER SHALL BE INSTALLED/MAINTAINED, SO AS TO INDICATE IN CUMULATIVE HOURS, THE AMOUNT OF TIME THE ENGINE HAS OPERATED.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT OPERATE MORE THAN 125 HOURS (CUMULATIVE) IN ANY ONE CALENDAR YEAR UNLESS ADDITIONAL HOURS ARE OTHERWISE AUTHORIZED BY THE EXECUTIVE OFFICER. THIS EQUIPMENT SHALL ONLY OPERATE DURING MAINTENANCE TESTING, PERFORMANCE TESTING, OR IN CASES OF EMERGENCY.
[RULE 1303 (a)(1), RULE 1304 (a)(4)]

5. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

6. THE UNCONTROLLED EMISSION RATE OF REACTIVE ORGANIC GASES SHALL NOT EXCEED 0.13 LB/HR; THE UNCONTROLLED EMISSION RATE OF OXIDE OF NITROGEN SHALL NOT EXCEED 5.9 LB/HR.
[RULE 1303 (a)(1), RULE 1304 (a)(4)]

7. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE RETARDED A MINIMUM OF 4° (FOUR DEGREES) RELATIVE TO STANDARD TIMING.
[RULE 1303 (a)(1)]

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8. THE IGNITION TIMING OF THIS ENGINE SHALL BE INSPECTED, ADJUSTED, AND CERTIFIED, AT A MINIMUM, ONCE EVERY THREE YEARS OF OPERATION. INSPECTIONS, ADJUSTMENTS, AND CERTIFICATIONS SHALL BE PERFORMED BY A QUALIFIED MECHANIC AND ACCORDING TO THE ENGINE MANUFACTURER'S PROCEDURES.
[RULE 1303 (a)(1)]

9. AN OPERATING RECORD OF THIS ENGINE SHALL BE MAINTAINED IN A FORMAT APPROVED IN WRITING BY THE DIRECTOR OF ENFORCEMENT. THE RECORD SHALL INCLUDE, AT A MINIMUM THE HOURS AND DAYS OF OPERATION AND THE QUANTITY OF FUEL USED. THE OPERATING RECORD SHALL BE KEPT FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE UPON REQUEST OF DISTRICT PERSONNEL
[RULE 1303 (a)(1), RULE 1304 (a)(4)]

10. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

11. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

12. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

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PERMIT TO OPERATE

Permit No. D44160
A/N 256844

Equipment Description:

SPRAY BOOTH, BINKS, MODEL WE-30-10TLS, WATER WASH TYPE, 30'-0" W. X 12'-2" D. X 12'-7" H., WITH TWO 7.5 H.P. EXHAUST FANS AND TWO 7.5 H.P. PUMPS (LOCATED AT CSBI).

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 BOOTH SHALL NOT BE OPERATED UNLESS THE WATER-WASH UNIT IS PROPERLY MAINTAINED AND IN FULL OPERATION.
[RULE 1303 (a)(1)]

4. COATINGS, REDUCERS, CLEAN-UP SOLVENTS AND ANY OTHER MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY COMPOUND IDENTIFIED AS CARCINOGENIC CONTAMINANTS IN RULE 1401.
[RULE 1401]

5. THE TOTAL QUANTITY OF VOLATILE ORGANIC EMISSIONS DISCHARGED TO THE ATMOSPHERE FROM THIS EQUIPMENT SHALL NOT EXCEED 55 POUNDS IN ANY ONE DAY.
[RULE 1303 (a)(1), RULE 1303 (b)(2)]

6. THIS EQUIPMENT SHALL BE OPERATED IN COMPLIANCE WITH RULES 1107 WHEN COATING METAL PARTS AND 1136 WHEN COATING WOOD PARTS.
[RULE 1107, RULE 1136]

7. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO VERIFY DAILY USAGE AND DAILY VOC EMISSIONS IN ACCORDANCE WITH RULE 109. SUCH RECORDS SHALL BE RETAINED FOR A PERIOD OF FIVE YEARS AND BE MADE AVAILABLE UPON REQUEST OF THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE.
[RULE 109]

8. THIS EQUIPMENT SHALL COMPLY WITH RULE 1171.
[RULE 1171]

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Periodic Monitoring:

9. THE OPERATOR SHALL NOT OPERATE THIS EQUIPMENT UNLESS THE WATER WASH UNIT IS PROPERLY MAINTAINED AND IN FULL OPERATION WITH THE WATER CURTAIN COMPLETELY COVERING THE EXHAUST SECTION OF THE BOOTH. THE OPERATOR SHALL ALSO PERFORM A WEEKLY INSPECTION OF THE WATER CURTAIN INTEGRITY. 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 WATER WASH;
   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:

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

VOC:	RULE 109
VOC:	RULE 1107, SEE APPENDIX B FOR EMISSIONS LIMITS
VOC:	RULE 1136, SEE APPENDIX B FOR EMISSIONS LIMITS
VOC:	RULE 1171, SEE APPENDIX B FOR EMISSIONS LIMITS
PM:	RULE 481
PM:	RULE 404, SEE APPENDIX B FOR EMISSIONS LIMITS

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. D75643
A/N 283761

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, 16 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. KTTA50-G2, SERIAL NO. 33122288, DIESEL-FUELED, 2220 BHP, DRIVING AN EMERGENCY ELECTRICAL GENERATION (LOCATED AT CO-GEN).

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 TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

6. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

7. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

8. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

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

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UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. D77804
A/N 285578

Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL ALLISON, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL 7A0157, SERIAL NO. VC3585037, 16 CYLINDERS, TURBOCHARGED, 400 BHP, LOCATED ON ROOF, UNIT #2.

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 TIMER SHALL BE INSTALLED AND MAINTAINED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG, LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

6. EXCEPT FOR MAINTENANCE TESTING PURPOSES, THIS ENGINE SHALL ONLY OPERATE DURING UTILITY FAILURE PERIODS
[RULE 1303 (a)(1), RULE 1304 (a)(4)]

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

8. HIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

9. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.

FACILITY PERMIT TO OPERATE
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[RULE 1470, RULE 431.2]

10. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

~~FACILITY PERMIT TO OPERATE~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. D77805
A/N 285579

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL 3306B(D1)-2AJ00248, SERIAL NO. 5WF00342, 6 CYLINDERS, TURBOCHARGED, 335 BHP, LOCATED AT 300 MEDICAL PLAZA (ROOF).

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 TIMER SHALL BE INSTALLED AND MAINTAINED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG, LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

6. EXCEPT FOR MAINTENANCE TESTING PURPOSES, THIS ENGINE SHALL ONLY OPERATE DURING UTILITY FAILURE PERIODS.
[RULE 1303 (a)(1), RULE 1304 (a)(4)]

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

8. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

9. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

[RULE 1470, RULE 431.2]

10. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. D77806
A/N 285580

Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL ALLISON, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL 7A0157, SERIAL NO. VC3558837, 16 CYLINDERS, TURBOCHARGED, 400 BHP, LOCATED ON ROOF, UNIT #1 (200 MEDICAL PLAZA).

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 TIMER SHALL BE INSTALLED AND MAINTAINED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG, LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

6. EXCEPT FOR MAINTENANCE TESTING PURPOSES, THIS ENGINE SHALL ONLY OPERATE DURING UTILITY FAILURE PERIODS.
[RULE 1303 (a)(1), RULE 1304 (a)(4)]

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

8. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

FACILITY PERMIT TO OPERATE
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9. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

10. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

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PERMIT TO OPERATE

Permit No. F2943
A/N 285586

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS MODEL NO. KTTA19GA, 12 CYLINDERS, TURBOCHARGED, AFTERCOOLED, 750 BHP, DIESEL-FUELED, EMERGENCY STANDBY, DRIVING AN ELECTRICAL GENERATOR (LOCATED AT MEDICAL PLAZA PARKING).

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 TIMER SHALL BE INSTALLED AND MAINTAINED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG, LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

6. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

7. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

8. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

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
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. D99790
A/N 293492

Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, MODEL 16V-92TA, 8163-7405, 16 CYLINDERS, 1095 BHP, TURBOCHARGED, AFTERCOOLED, DIESEL-FUELED, EMERGENCY STANDBY, DRIVING AN ELECTRICAL GENERATOR (LOCATED AT SEAS).

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 TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4). RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME (IN HOURS), AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

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

7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

Emissions And Requirements:

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

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

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. D98768
A/N 293494

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, MODEL 3208D, SERIAL #30A00916, 8 CYLINDERS, TURBOCHARGED, 235 BHP, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION (LOCATED AT ROYCE HALL).

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

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME (IN HOURS), AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

6. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

7. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

8. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

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
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F00370
A/N 293496

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS MODEL #NT 855 G3, 6 CYLINDERS, TURBOCHARGED, 390 BHP, DIESEL-FUELED, EMERGENCY STANDBY, DRIVING AN ELECTRICAL GENERATOR (LOCATED AT FLOWLER).

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

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME (IN HOURS), AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

6. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

7. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

8. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

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
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F00371
A/N 293498

Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL MODEL 16V-92TA, 8163-7416, 16 CYLINDERS, 1232 BHP, TURBOCHARGED, AFTERCOOLED, DIESEL-FUELED, EMERGENCY STANDBY, DRIVING AN ELECTRICAL GENERATOR (LOCATED AT MSB).

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

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME (IN HOURS), AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

6. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 1.7 DEGREES RETARDED RELATIVE TO PRODUCTION TIMING AS ESTABLISHED BY DETROIT DIESEL IN ITS PRODUCT ANNOUNCEMENT "INJECTION TIMING RETARD INSTRUCTIONS FOR CONFORMANCE WITH THE SCAQMD'S GENERAL PERMIT REGISTRATION PROGRAM 16-92TA GENERATOR SET ENGINE MODEL 8163-7416".
[RULE 1303 (a)(1)]

7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. D98801
A/N 293499

Equipment Description:

INTERNAL COMBUSTION ENGINE, EMERGENCY STANDBY, CUMMINS MODEL 6BT5.9-G2, SERIAL #44155853, 6 CYLINDERS, TURBOCHARGED, 166 BHP, DIESEL-FUELED, DRIVING AN ELECTRICAL GENERATOR (LOCATED AT BOELTER).

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

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME (IN HOURS), AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

6. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

7. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

8. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

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

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UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. D87699
A/N 299891

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, 12 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. KTA38-G4, 1490 BHP, DIESEL-FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR (LOCATED AT AGSM).

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 TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. THIS ENGINE SHALL NOT BE OPERATED FOR NON-EMERGENCY USE BETWEEN THE HOURS OF 7:30 A.M. AND 3:30 P.M. ON DAYS WHEN SCHOOL IS IN SESSION.
[RULE 1470]

6. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

Emissions And Requirements:

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

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

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. D88255
A/N 300226

Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, 12 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. 9123-7416 (12V-149TIB), 1750 BHP, DIESEL-FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR (LOCATED AT YOUNG HALL).

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 TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

6. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

7. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

8. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

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

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PERMIT TO OPERATE

Permit No. D89155
A/N 301583

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, 6 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. 3406 DITA (300 KW), 443 BHP, DIESEL-FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR (LOCATED AT BOELTER HALL).

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 TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

6. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

7. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

8. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

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~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. D89196
A/N 301724

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, 12 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. 3412 DITTA (500 KW), 746 BHP, DIESEL-FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR. (LOCATED AT ACKERMAN).

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 TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

6. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO PRODUCTION TIMING AS ESTABLISHED BY CATERPILLAR IN PRODUCT NEWS BULLETIN '3412 DITTA 500 KW CALIFORNIA CONFIGURATION'.
[RULE 1303 (a)(1)]

7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST

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[RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

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PERMIT TO OPERATE

Permit No. R-F00255
A/N 307859

Equipment Description:

COGENERATION SYSTEM NO. 1 CONSISTING OF:

1. GAS TURBINE NO. 1, GENERAL ELECTRIC, MODEL LM1600, RATED AT 140.34 MMBTU/HR, NATURAL GAS, BLENDED NATURAL AND LANDFILL GAS, OR FUEL OIL FIRED, WITH A WATER INJECTION SYSTEM, DRIVING A 14.4 MW ELECTRICAL GENERATOR.

2. WASTE HEAT BOILER NO. 1, DELTAK CORPORATION, PRODUCING 117,000 LB/HR OF SUPERHEATED STEAM AT 660 PSIG AND 41,200 LB/HR OF SATURATED STEAM AT 15 PSIG, WITH AN 86 MMBTU/HR NATURAL GAS OR BLENDED NATURAL GAS AND LANDFILL GAS FIRED DUCT BURNER, SUPERHEATER, EVAPORATOR, ECONOMIZER, FEEDWATER PREHEATER, AND A CONTINUOUS EMISSIONS MONITOR.

3. THREE (3) NATURAL GAS COMPRESSORS, KCI, INC., 350 HP EACH, AND ONE (1) LANDFILL GAS COMPRESSOR, KCI, INC., 1250 HP (COMMON TO COGENERATION SYSTEM NO. 2)

4. ONE STEAM TURBINE, SHIN NIPPON MACHINERY CO, LTD., 14.5 MW, WITH A WATER COOLED CONDENSER AND COOLING TOWER (COMMON TO COGENERATION SYSTEM NO. 2)

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 BE OPERATED AND MAINTAINED 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 WHICH HAS A VALID PERMIT ISSUED BY THE AQMD.
[RULE 1303 (a)(1), RULE 1134]

5. WATER INJECTION SHALL BE USED DURING OPERATION OF THE GAS TURBINE EXCEPT DURING START-UP AND SHUT-DOWN.
[RULE 1303 (a)(1), RULE 1134]

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6. THE DUCT BURNER SHALL ONLY BE FIRED WITH NATURAL GAS OR BLENDED NATURAL AND LANDFILL GAS, AND SHALL NOT BE OPERATED WHEN THE GAS TURBINE IS FIRED WITH FUEL OIL, EXCEPT DURING TESTING.
[RULE 1303 (a)(1), RULE 1134]

7. A CONTINUOUS MONITORING SYSTEM SHALL BE MAINTAINED AND OPERATED TO MONITOR AND RECORD THE FUEL CONSUMPTION AND THE MASS RATIO OF WATER TO FUEL BEING FIRED IN THE TURBINE. THIS SYSTEM SHALL BE ACCURATE TO WITHIN PLUS OR MINUS 5.0 PERCENT.
[RULE 1303 (a)(1), RULE 1134]

8. THE DUCT BURNER SHALL BE EQUIPPED WITH A FLOW MONITORING DEVICE WHICH SHALL MEASURE AND RECORD THE FUEL CONSUMPTION (IN MILLION BTU'S PER HOUR) IN THE BURNER.
[RULE 1303 (a)(1)]

9. THE GAS TURBINE SHALL BE EQUIPPED WITH A FLOW MONITORING DEVICE WHICH SHALL MEASURE AND RECORD EACH FUEL (NATURAL GAS, LANDFILL GAS, AND FUEL OIL) CONSUMPTION (IN MILLION BTU'S PER HOUR).
[RULE 1303 (a)(1)]

10. A CONTINOUS MONITORING AND RECORDING SYSTEM SHALL BE MAINTAINED AND OPERATED TO MEASURE AND RECORD THE MOLE RATIO OF INJECTED AMMONIA (NH3) TO SCR INLET NOX. THIS SYSTEM SHALL BE ACCURATE TO WITHIN PLUS OR MINUS 5.0 PERCENT.
[RULE 1303 (a)(1)]

11. A CONTINUOUS MONITORING SYSTEM SHALL BE MAINTAINED AND OPERATED TO MEASURE, OVER A FIFTEEN CONSECUTIVE MINUTE AVERAGE TIME PERIOD, AND RECORD THE WASTE HEAT RECOVERY BOILER EXHAUST STACK FOR NOX, CO AND O2 CONCENTRATIONS, ON A DRY BASIS. THE SYSTEM SHALL ALSO CONVERT THE ACTUAL NOX AND CO CONCENTRATIONS TO A CORRECTED CONCENTRATION AT 15 PERCENT OXYGEN, ON A DRY BASIS, AND CONTINUOUSLY RECORD THESE CORRECTED STACK NOX, CO AND O2 CONCENTRATIONS. IN ADDITION, THE SYSTEM SHALL MONITOR AND RECORD THE DAILY NOX AND CO EMISSIONS IN POUNDS PER DAY FROM THE COGENERATION SYSTEM/WASTE HEAT BOILER/EXHAUST STACK. THIS MONITORING SYSTEM SHALL BE CERTIFIED TO COMPLY WITH THE REQUIREMENTS OF RULE 218.
[RULE 1134, RULE 1303 (a)(1), RULE 1303 (b)(2), RULE 218]

12. A CONTINUOUS MONITORING SYSTEM SHALL BE MAINTAINED AND OPERATED TO MEASURE AND RECORD THE VOLUMETRIC FLOW RATE IN THE EXHAUST STACK. THIS MONITORING SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF RULE 218.
[RULE 1303 (a)(1), RULE 1303(b)(2), RULE 218]

13. THE GAS TURBINE SHALL ONLY FIRE NATURAL GAS OR A BLEND OF LANDFILL GAS AND NATURAL GAS, EXCEPT DURING TESTING, UNLESS NATURAL GAS IS UNAVAILABLE.
[RULE 1303 (a)(1)]

14. ONLY ONE OF THE GAS TURBINES SHALL BE OPERATED SIMULTANEOUSLY WITH THE AUXILIARY BOILER.
[RULE 1303 (b)(2)]

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15. WHEN THE TURBINE IS FIRING NATURAL GAS OR BLENDED NATURAL AND LANDFILL GAS, EMISSIONS FROM THE WASTE HEAT BOILER EXHAUST, EXCEPT DURING START-UPS AND SHUT-DOWNS, SHALL NOT EXCEED THE FOLLOWING TOTAL POUND PER DAY LIMITS:

ROG(AS CH4)	NOX	SOX	CO	PM
31	121	2	124	30

[RULE 1303 (b)(2)]

16. WHEN THE TURBINE IS FIRING NATURAL GAS OR BLENDED NATURAL AND LANDFILL GAS, EMISSIONS FROM THE WASTE HEAT BOILER EXHAUST, EXCEPT DURING START-UPS AND SHUT-DOWNS, SHALL NOT EXCEED THE FOLLOWING TOTAL POUND PER HOUR LIMITS:

ROG(AS CH4)	NOX	SOX	CO	PM
1.3	5.0	0.1	5.2	1.25

[RULE 1303 (b)(2)]

17. WHEN THE TURBINE IS FIRING FUEL OIL, EMISSIONS FROM THE WASTE HEAT BOILER EXHAUST, EXCEPT DURING START-UPS AND SHUT-DOWNS, SHALL NOT EXCEED THE FOLLOWING TOTAL POUND PER DAY LIMITS:

ROG(AS CH4)	NOX	SOX	CO	PM
26	89	118	98	125

[RULE 1303 (b)(2)]

18. WHEN THE TURBINE IS FIRING FUEL OIL, EMISSIONS FROM THE WASTE HEAT BOILER EXHAUST, EXCEPT DURING START-UPS AND SHUT-DOWNS, SHALL NOT EXCEED THE FOLLOWING TOTAL POUND PER HOUR LIMITS:

ROG(AS CH4)	NOX	SOX	CO	PM
1.1	3.7	4.9	4.1	5.2

[RULE 1303 (b)(2)]

19. EMISSIONS OF OXIDES OF NITROGEN, AS NO2, FROM THE WASTE HEAT BOILER EXHAUST SHALL NOT EXCEED 6 PPMV, CALCULATED DRY, AT 15% OXYGEN, EXCEPT DURING START- UP AND SHUT-DOWN OPERATIONS.
[RULE 1303 (a)(1)]

20. EMISSIONS OF CARBON MONOXIDE (CO) FROM THE WASTE HEAT BOILER EXHAUST STACK SHALL NOT EXCEED 10 PPMV DURING NATURAL GAS OR BLENDED NATURAL AND LANDFILL GAS FIRING AND 13 PPMV DURING FUEL OIL FIRING, CALCULATED DRY, AT 15% OXYGEN, EXCEPT DURING START-UP AND SHUT-DOWN OPERATIONS.
[RULE 1303 (a)(1)]

21. EMISSIONS OF AMMONIA (NH3) FROM THE WASTE HEAT BOILER EXHAUST STACK SHALL NOT EXCEED 20 PPMV, CALCULATED DRY, AT 15% OXYGEN, EXCEPT DURING START-UP AND SHUT-DOWN OPERATIONS.
[RULE 1303 (a)(1)]

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22. ALL CONCENTRATIONS OF GASEOUS EMISSIONS SHALL BE EXPRESSED IN PARTS PER MILLION BY VOLUME CORRECTED TO 15% OXYGEN, DRY, AND SHALL BE MEASURED OVER FOUR CONSECUTIVE FIFTEEN MINUTE AVERAGE TIME PERIODS IN ANY ONE HOUR.
[RULE 1303 (a)(1)]

23. SAMPLING PORTS SHALL BE MAINTAINED IN THE GAS TURBINE EXHAUST DUCT AND WASTE HEAT BOILER EXHAUST DUCT 8-10 DUCT DIAMETERS DOWNSTREAM AND TWO (2) EQUIVALENT DUCT DIAMETERS UPSTREAM OF ANY FLOW DISTURBANCE AND SHALL CONSIST OF TWO 4-INCH WELDED NIPPLES WITH CAPS. OWNER/OPERATOR SHALL PROVIDE ADEQUATE AND SAFE ACCESS TO THE TEST PORTS. AN EQUIVALENT METHOD SHALL BE USED UPON PRIOR APPROVAL BY THE AQMD.
[RULE 217]

24. WITHIN 30 DAYS OF THE ANNIVERSARY OF THE INITIAL PERFORMANCE TEST, UNLESS OTHERWISE APPROVED BY THE AQMD, UCLA SHALL CONDUCT ANNUAL PERFORMANCE TESTS IN ACCORDANCE WITH AQMD TEST PROCEDURES AND FURNISH THE AQMD WRITTEN RESULTS OF SUCH PERFORMANCE TESTS WITHIN 45 DAYS AFTER TESTING. ALL SOURCE TESTING PROCEDURES AND ANALYTICAL METHODS SHALL BE SUBMITTED TO THE AQMD FOR APPROVAL AT LEAST 60 DAYS PRIOR TO START OF TESTS.

THE TEST SHALL INCLUDE THE FOLLOWING CONTAMINANTS AT THE SPECIFIED LOCATIONS OF FUEL INLET TO TURBINE, TURBINE EXHAUST PRIOR TO CATALYST/SCR, AND/OR FINAL STACK EXHAUST:

A. METHANE (FUEL INLET)
B. TOTAL NONMETHANE HYDROCARBONS (FUEL INLET, TURBINE AND STACK EXHAUSTS)

[RULE 1303 (a)(1)]

25. WHEN THE TURBINE IS FIRED ON NATURAL GAS OR BLENDED NATURAL AND LANDFILL GAS, THE MAXIMUM QUANTITY OF NATURAL AND LANDFILL GAS USED SHALL NOT EXCEED 144 MILLION BTU'S PER HOUR FOR THE GAS TURBINE AND 90 MILLION BTU'S PER HOUR FOR THE DUCT BURNER BASED ON THE LOWER HEATING VALUES OF NATURAL AND LANDFILL GAS.
[RULE 1303 (a)(1)]

26. WHEN THE TURBINE IS FIRED ON FUEL OIL, THE MAXIMUM QUANTITY OF FUEL OIL FIRED SHALL NOT EXCEED 150 MILLION BTU'S PER HOUR, BASED ON THE LOWER HEATING VALUE OF FUEL OIL.
[RULE 1303 (a)(1)]

27. AMMONIA SHALL BE CONTINUOUSLY INJECTED WHENEVER THE CATALYST INLET TEMPERATURE REACHES 500 DEGREES F AND THE ELECTRIC OUTPUT OF THE TURBINE REACHES 4.5 MEGAWATTS, UNLESS OTHERWISE APPROVED IN WRITING BY THE AQMD.
[RULE 1303 (a)(1)]

28. THE OPERATOR SHALL KEEP THE FOLLOWING RECORDS:

A. DATES AND TIMES OF START-UPS AND SHUT-DOWNS

B. QUANTITY OF NATURAL GAS, LANDFILL GAS AND FUEL OIL BURNED

C. A DAILY LOG SHOWING THE REASON WHY NATURAL GAS OR BLENDED NATURAL AND LANDFILL GAS WAS NOT USED AND THE NUMBER OF HOURS DURING WHICH BACK-UP FUEL WAS USED.

D. THE RESULTS FROM THE MONITORS REQUIRED BY PERMIT CONDITION NOS. 7,8,9, 10,11,12.

RECORDS OF THE COGENERATION SYSTEM SHALL BE MAINTAINED BY UCLA AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1303 (a)(1), RULE 1302 (b)(2)]

29. FOR TESTING PURPOSES, THE GAS TURBINE SHALL NOT BE OPERATED WITH FUEL OIL FOR MORE THAN 8 HOURS PER DAY OR 100 HOURS PER YEAR.
[RULE 1303 (a)(1), RULE 1302 (b)(2)]

30. WATER INJECTION SHALL START WHENEVER THE ELECTRICAL OUTPUT OF THE GAS TURBINE REACHES 4.5 MEGAWATTS.
[RULE 1303 (a)(1)]

31. THE OPERATOR SHALL CONDUCT A SOURCE TEST IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

A. THE TEST SHALL BE CONDUCTED AT LEAST ONCE DURING THE LIFE OF THE PERMIT.
B. THE TEST SHALL BE CONDUCTED TO DETERMINE THE PARTICULATE EMISSIONS USING EPA METHOD 5.2 MEASURED OVER A 60 MINUTE AVERAGING TIME PERIOD.
C. THE TEST SHALL BE CONDUCTED TO DEMONSTRATE COMPLIANCE WITH CONDITION NO. 17 AND 18 WHILE USING FUEL OIL.

[RULE 1303 (b)(2)]

Periodic Monitoring:

32. 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)]

Emissions And Requirements:

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

NOx:	6 PPMV, RULE 1303(a)(1)
NOx:	9 PPMV, RULE 1134
CO	10 PPMV USING NATRUAL GAS OR BLENDING NATURAL GAS/LANDFILL GAS, RULE 1303 (a)(1)
CO	13 PPMV USING FUEL OIL, RULE 1303 (a)(1)
CO:	2000 PPMV, RULE 407
H2S	150 PPMV, LANDFILL GAS, RULE 431.1
NH3	20 PPMV, RULE 1303 (a)(1)
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
NOx	125 PPMV, GAS, RULE 476
NOX	225 PPMV, FUEL OIL, RULE 476
NOx:	210 PPM, 40 CFR60 SUBPART GG
SOx:	150 PPM ,40 CFR60 SUBPART GG

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PERMIT TO OPERATE

Permit No. R-F00070
A/N 307860

Equipment Description:

COGENERATION SYSTEM NO. 2 CONSISTING OF:

1. GAS TURBINE NO. 2, GENERAL ELECTRIC, MODEL LM1600, RATED AT 140.34 MMBTU/HR, NATURAL GAS, BLENDED NATURAL AND LANDFILL GAS, OR FUEL OIL FIRED, WITH A WATER INJECTION SYSTEM, DRIVING A 14.4 MW ELECTRICAL GENERATOR.

2. WASTE HEAT BOILER NO. 2, DELTAK CORPORATION, PRODUCING 117,000 LB/HR OF SUPERHEATED STEAM AT 660 PSIG AND 41,200 LB/HR OF SATURATED STEAM AT 15 PSIG, WITH AN 86 MMBTU/HR NATURAL GAS OR BLENDED NATURAL GAS AND LANDFILL GAS FIRED DUCT BURNER, SUPERHEATER, EVAPORATOR, ECONOMIZER, FEEDWATER PREHEATER, AND A CONTINUOUS EMISSIONS MONITOR.

3. THREE (3) NATURAL GAS COMPRESSORS, KCI, INC., 350 HP EACH, AND ONE (1) LANDFILL GAS COMPRESSOR, KCI, INC., 1250 HP (COMMON TO COGENERATION SYSTEM NO. 1)

4. ONE STEAM TURBINE, SHIN NIPPON MACHINERY CO, LTD., 14.5 MW, WITH A WATER COOLED CONDENSER AND COOLING TOWER (COMMON TO COGENERATION SYSTEM NO. 1)

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 BE OPERATED AND MAINTAINED 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 WHICH HAS A VALID PERMIT ISSUED BY THE AQMD.
[RULE 1303 (a)(1), RULE 1134]

5. WATER INJECTION SHALL BE USED DURING OPERATION OF THE GAS TURBINE EXCEPT DURING START-UP AND SHUT-DOWN.
[RULE 1303 (a)(1), RULE 1134]

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6. THE DUCT BURNER SHALL ONLY BE FIRED WITH NATURAL GAS OR BLENDED NATURAL AND LANDFILL GAS, AND SHALL NOT BE OPERATED WHEN THE GAS TURBINE IS FIRED WITH FUEL OIL, EXCEPT DURING TESTING.
[RULE 1303 (a)(1), RULE 1134]

7. A CONTINUOUS MONITORING SYSTEM SHALL BE MAINTAINED AND OPERATED TO MONITOR AND RECORD THE FUEL CONSUMPTION AND THE MASS RATIO OF WATER TO FUEL BEING FIRED IN THE TURBINE. THIS SYSTEM SHALL BE ACCURATE TO WITHIN PLUS OR MINUS 5.0 PERCENT.
[RULE 1303 (a)(1), RULE 1134]

8. THE DUCT BURNER SHALL BE EQUIPPED WITH A FLOW MONITORING DEVICE WHICH SHALL MEASURE AND RECORD THE FUEL CONSUMPTION (IN MILLION BTU'S PER HOUR) IN THE BURNER.
[RULE 1303 (a)(1)]

9. THE GAS TURBINE SHALL BE EQUIPPED WITH A FLOW MONITORING DEVICE WHICH SHALL MEASURE AND RECORD EACH FUEL (NATURAL GAS, LANDFILL GAS, AND FUEL OIL) CONSUMPTION (IN MILLION BTU'S PER HOUR).
[RULE 1303 (a)(1)]

10. A CONTINOUS MONITORING AND RECORDING SYSTEM SHALL BE MAINTAINED AND OPERATED TO MEASURE AND RECORD THE MOLE RATIO OF INJECTED AMMONIA (NH3) TO SCR INLET NOX. THIS SYSTEM SHALL BE ACCURATE TO WITHIN PLUS OR MINUS 5.0 PERCENT.
[RULE 1303 (a)(1)]

11. A CONTINUOUS MONITORING SYSTEM SHALL BE MAINTAINED AND OPERATED TO MEASURE, OVER A FIFTEEN CONSECUTIVE MINUTE AVERAGE TIME PERIOD, AND RECORD THE WASTE HEAT RECOVERY BOILER EXHAUST STACK FOR NOX, CO AND O2 CONCENTRATIONS, ON A DRY BASIS. THE SYSTEM SHALL ALSO CONVERT THE ACTUAL NOX AND CO CONCENTRATIONS TO A CORRECTED CONCENTRATION AT 15 PERCENT OXYGEN, ON A DRY BASIS, AND CONTINUOUSLY RECORD THESE CORRECTED STACK NOX, CO AND O2 CONCENTRATIONS. IN ADDITION, THE SYSTEM SHALL MONITOR AND RECORD THE DAILY NOX AND CO EMISSIONS IN POUNDS PER DAY FROM THE COGENERATION SYSTEM/WASTE HEAT BOILER/EXHAUST STACK. THIS MONITORING SYSTEM SHALL BE CERTIFIED TO COMPLY WITH THE REQUIREMENTS OF RULE 218.
[RULE 1134, RULE 1303 (a)(1), RULE 1303 (b)(2), RULE 218]

12. A CONTINUOUS MONITORING SYSTEM SHALL BE MAINTAINED AND OPERATED TO MEASURE AND RECORD THE VOLUMETRIC FLOW RATE IN THE EXHAUST STACK. THIS MONITORING SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF RULE 218.
[RULE 1303 (a)(1), RULE 1303 (b)(2), RULE 218]

13. THE GAS TURBINE SHALL ONLY FIRE NATURAL GAS OR A BLEND OF LANDFILL GAS AND NATURAL GAS, EXCEPT DURING TESTING, UNLESS NATURAL GAS IS UNAVAILABLE.
[RULE 1303 (a)(1)]

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14. ONLY ONE OF THE GAS TURBINES SHALL BE OPERATED SIMULTANEOUSLY WITH THE AUXILIARY BOILER.
[RULE 1303 (b)(2)]

15. WHEN THE TURBINE IS FIRING NATURAL GAS OR BLENDED NATURAL AND LANDFILL GAS, EMISSIONS FROM THE WASTE HEAT BOILER EXHAUST, EXCEPT DURING START-UPS AND SHUT-DOWNS, SHALL NOT EXCEED THE FOLLOWING TOTAL POUND PER DAY LIMITS:

ROG(AS CH4)	NOX	SOX	CO	PM
31	121	2	124	30

[RULE 1303 (b)(2)]

16. WHEN THE TURBINE IS FIRING NATURAL GAS OR BLENDED NATURAL AND LANDFILL GAS, EMISSIONS FROM THE WASTE HEAT BOILER EXHAUST, EXCEPT DURING START-UPS AND SHUT-DOWNS, SHALL NOT EXCEED THE FOLLOWING TOTAL POUND PER HOUR LIMITS:

ROG(AS CH4)	NOX	SOX	CO	PM
1.3	5.0	0.1	5.2	1.25

[RULE 1303 (b)(2)]

17. WHEN THE TURBINE IS FIRING FUEL OIL, EMISSIONS FROM THE WASTE HEAT BOILER EXHAUST, EXCEPT DURING START-UPS AND SHUT-DOWNS, SHALL NOT EXCEED THE FOLLOWING TOTAL POUND PER DAY LIMITS:

ROG(AS CH4)	NOX	SOX	CO	PM
26	89	118	98	125

[RULE 1303 (b)(2)]

18. WHEN THE TURBINE IS FIRING FUEL OIL, EMISSIONS FROM THE WASTE HEAT BOILER EXHAUST, EXCEPT DURING START-UPS AND SHUT-DOWNS, SHALL NOT EXCEED THE FOLLOWING TOTAL POUND PER HOUR LIMITS:

ROG(AS CH4)	NOX	SOX	CO	PM
1.1	3.7	4.9	4.1	5.2

[RULE 1303 (b)(2)]

19. EMISSIONS OF OXIDES OF NITROGEN, AS NO2, FROM THE WASTE HEAT BOILER EXHAUST SHALL NOT EXCEED 6 PPMV, CALCULATED DRY, AT 15% OXYGEN, EXCEPT DURING START- UP AND SHUT-DOWN OPERATIONS.
[RULE 1303 (a)(1)]

20. EMISSIONS OF CARBON MONOXIDE (CO) FROM THE WASTE HEAT BOILER EXHAUST STACK SHALL NOT EXCEED 10 PPMV DURING NATURAL GAS OR BLENDED NATURAL AND LANDFILL GAS FIRING AND 13 PPMV DURING FUEL OIL FIRING, CALCULATED DRY, AT 15% OXYGEN, EXCEPT DURING START-UP AND SHUT-DOWN OPERATIONS.
[RULE 1303 (a)(1)]

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21. EMISSIONS OF AMMONIA (NH3) FROM THE WASTE HEAT BOILER EXHAUST STACK SHALL NOT EXCEED 20 PPMV, CALCULATED DRY, AT 15% OXYGEN, EXCEPT DURING START-UP AND SHUT-DOWN OPERATIONS.
[RULE 1303 (a)(1)]

22. ALL CONCENTRATIONS OF GASEOUS EMISSIONS SHALL BE EXPRESSED IN PARTS PER MILLION BY VOLUME CORRECTED TO 15% OXYGEN, DRY, AND SHALL BE MEASURED OVER FOUR CONSECUTIVE FIFTEEN MINUTE AVERAGE TIME PERIODS IN ANY ONE HOUR.
[RULE 1303 (a)(1)]

23. SAMPLING PORTS SHALL BE MAINTAINED IN THE GAS TURBINE EXHAUST DUCT AND WASTE HEAT BOILER EXHAUST DUCT 8-10 DUCT DIAMETERS DOWNSTREAM AND TWO (2) EQUIVALENT DUCT DIAMETERS UPSTREAM OF ANY FLOW DISTURBANCE AND SHALL CONSIST OF TWO 4-INCH WELDED NIPPLES WITH CAPS. OWNER/OPERATOR SHALL PROVIDE ADEQUATE AND SAFE ACCESS TO THE TEST PORTS. AN EQUIVALENT METHOD SHALL BE USED UPON PRIOR APPROVAL BY THE AQMD.
[RULE 217]

24. WITHIN 30 DAYS OF THE ANNIVERSARY OF THE INITIAL PERFORMANCE TEST, UNLESS OTHERWISE APPROVED BY THE AQMD, UCLA SHALL CONDUCT ANNUAL PERFORMANCE TESTS IN ACCORDANCE WITH AQMD TEST PROCEDURES AND FURNISH THE AQMD WRITTEN RESULTS OF SUCH PERFORMANCE TESTS WITHIN 45 DAYS AFTER TESTING. ALL SOURCE TESTING PROCEDURES AND ANALYTICAL METHODS SHALL BE SUBMITTED TO THE AQMD FOR APPROVAL AT LEAST 60 DAYS PRIOR TO START OF TESTS.

THE TEST SHALL INCLUDE THE FOLLOWING CONTAMINANTS AT THE SPECIFIED LOCATIONS OF FUEL INLET TO TURBINE, TURBINE EXHAUST PRIOR TO CATALYST/SCR, AND/OR FINAL STACK EXHAUST:

A. METHANE (FUEL INLET)
B TOTAL NONMETHANE HYDROCARBONS (FUEL INLET, TURBINE AND STACK EXHAUSTS)

[RULE 1303 (a)(1)]

25. WHEN THE TURBINE IS FIRED ON NATURAL GAS OR BLENDED NATURAL AND LANDFILL GAS, THE MAXIMUM QUANTITY OF NATURAL AND LANDFILL GAS USED SHALL NOT EXCEED 144 MILLION BTU'S PER HOUR FOR THE GAS TURBINE AND 90 MILLION BTU'S PER HOUR FOR THE DUCT BURNER BASED ON THE LOWER HEATING VALUES OF NATURAL AND LANDFILL GAS.
[RULE 1303 (a)(1)

26. WHEN THE TURBINE IS FIRED ON FUEL OIL, THE MAXIMUM QUANTITY OF FUEL OIL FIRED SHALL NOT EXCEED 150 MILLION BTU'S PER HOUR, BASED ON THE LOWER HEATING VALUE OF FUEL OIL.
[RULE 1303 (a)(1)]

27. AMMONIA SHALL BE CONTINUOUSLY INJECTED WHENEVER THE CATALYST INLET TEMPERATURE REACHES 500 DEGREES F AND THE ELECTRIC OUTPUT OF THE TURBINE REACHES 4.5 MEGAWATTS, UNLESS OTHERWISE APPROVED IN WRITING BY THE AQMD.
[RULE 1303 (a)(1)]

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28. THE OPERATOR SHALL KEEP THE FOLLOWING RECORDS:

A. DATES AND TIMES OF START-UPS AND SHUT-DOWNS

B. QUANTITY OF NATURAL GAS, LANDFILL GAS AND FUEL OIL BURNED

C. A DAILY LOG SHOWING THE REASON WHY NATURAL GAS OR BLENDED NATURAL AND LANDFILL GAS WAS NOT USED AND THE NUMBER OF HOURS DURING WHICH BACK-UP FUEL WAS USED.

D. THE RESULTS FROM THE MONITORS REQUIRED BY PERMIT CONDITION NOS. 7,8,9, 10,11,12.

RECORDS OF THE COGENERATION SYSTEM SHALL BE MAINTAINED BY UCLA AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1303 (a)(1), RULE 1303 (b)(2)]

29. FOR TESTING PURPOSES, THE GAS TURBINE SHALL NOT BE OPERATED WITH FUEL OIL FOR MORE THAN 8 HOURS PER DAY OR 100 HOURS PER YEAR.
[RULE 1303 (a)(1), RULE 1303 (b)(2)]

30. WATER INJECTION SHALL START WHENEVER THE ELECTRICAL OUTPUT OF THE GAS TURBINE REACHES 4.5 MEGAWATTS.
[RULE 1303 (a)(1)]

31. THE OPERATOR SHALL CONDUCT A SOURCE TEST IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

A. THE TEST SHALL BE CONDUCTED AT LEAST ONCE DURING THE LIFE OF THE PERMIT.
B. THE TEST SHALL BE CONDUCTED TO DETERMINE THE PARTICULATE EMISSIONS USING EPA METHOD 5.2 MEASURED OVER A 60 MINUTE AVERAGING TIME PERIOD.
C. THE TEST SHALL BE CONDUCTED TO DEMONSTRATE COMPLIANCE WITH CONDITION NO. 17 AND 18 WHILE USING FUEL OIL.

[RULE 1303 (b)(2)]

Periodic Monitoring:

32. 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 S SAME FASHION AS DEVIATIONS ARE REQUIRED TO BE REPORTED IN SECTION K OF

THIS PERMIT; OR

B. AVE 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)]

Emissions And Requirements:

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

NOx: 6 PPMV, RULE 1303(a)(1)
NOx: 9 PPMV, RULE 1134
CO 10 PPMV USING NATRUAL GAS OR BLENDING NATURAL GAS/LANDFILL GAS, RULE 1303 (a)(1)
CO 13 PPMV USING FUEL OIL, RULE 1303 (a)(1)
CO: 2000 PPMV, RULE 407
H2S 150 PPMV, LANDFILL GAS, RULE 431.1
NH3 20 PPMV, RULE 1303 (a)(1)
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
NOx 125 PPMV, GAS, RULE 476
NOX 225 PPMV, FUEL OIL, RULE 476
NOx: 210 PPM, 40 CFR60 SUBPART GG
SOx: 150 PPM ,40 CFR60 SUBPART GG

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PERMIT TO OPERATE

Permit No. F2279
A/N 318723

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, 6 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. 3306 ATAAC, 377 BHP, DIESEL-FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR (LOCATED IN SRL).

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 TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

6. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

7. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

8. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

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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

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PERMIT TO OPERATE

Permit No. F4805
A/N 319009

Equipment Description:

INTERNAL COMBUSTION ENGINE, MAGNETEK, MODEL NO. RSD1875, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, SERIAL NO. BJ08B691, (PHYSICAL PLANT BUILDING), 6 CYLINDERS, NATURALLY ASPIRATED, 201 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. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO STANDARD TIMING.
[RULE 1303 (a)(1)]

4. A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

5. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

6. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

Emissions And Requirements:

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

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

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F4808
A/N 319012

Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL/PERKINS, MODEL NO. 80DS60, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, SERIAL NO. 353847, (UNIX BUILDING), 6 CYLINDERS, TURBOCHARGED, 107 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. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO STANDARD TIMING.
[RULE 1303 (a)(1)]

4. A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

5. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

6. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

Emissions And Requirements:

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

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

~~FACILITY PERMIT TO OPERATE~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F4807
A/N 319015

Equipment Description:

INTERNAL COMBUSTION ENGINE, JOHN DEERE, MODEL NO. 6076AF011, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, SERIAL NO. 189926-71, (POWELL LIBRARY), 6 CYLINDERS, TURBOCHARGED, 240 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. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO STANDARD TIMING.
[RULE 1303 (a)(1)]

4. A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

5. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

6. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

Emissions And Requirements:

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

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

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F4681
A/N 319016

Equipment Description:

INTERNAL COMBUSTION ENGINE, KOMATSU, MODEL NO. 671T, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, SERIAL NO. 54217, (SOUTHERN REGIONAL LIBRARY), 6 CYLINDERS, TURBOCHARGED, 168 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 TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

6. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

7. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

8. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

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~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F5269
A/N 319017

Equipment Description:

INTERNAL COMBUSTION ENGINE, JOHN DEERE, MODEL NO. 6414T, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, GENERATOR MODEL NO. 1215P, SERIAL NO. T0641472009486414TF001, (PAULEY PAVILLION), 6 CYLINDERS, TURBOCHARGED, 135 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. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO STANDARD TIMING.
[RULE 1303 (a)(1)]

4. A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

5. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

6. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

Emissions And Requirements:

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

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

~~FACILITY PERMIT TO OPERATE~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F4806
A/N 319020

Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT 40, MODEL NO. SPECTRUM 125, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, SERIAL NO. 8828108, (PARKING STRUCTURE NO. 8), 4 CYLINDERS, TURBOCHARGED, 168 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. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO STANDARD TIMING.
[RULE 1303 (a)(1)]

4. A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

5. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

6 AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

Emissions And Requirements:

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

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

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F5268
A/N 319021

Equipment Description:

INTERNAL COMBUSTION ENGINE, WHITE, MODEL NO. D4800 TX198, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, SERIAL NO. 4019497, (LA TENNIS CENTER), 6 CYLINDERS, TURBOCHARGED, 135 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 TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

6. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

7. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

8. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

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~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F5266
A/N 319025

Equipment Description:

INTERNAL COMBUSTION ENGINE, WHITE, MODEL NO. DS400T, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, SERIAL NO. YE3450258.D34000TX254, 6 CYLINDERS, TURBOCHARGED, 100 BHP (LOCATED AT BUNCH).

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 TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

6. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

7. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

8. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

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~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F3116
A/N 320232

Equipment Description:

INTERNAL COMBUSTION ENGINE, GENERAC, 6 CYLINDERS, TURBOCHARGED, MODEL NO. 133DT (240 BHP), 240 BHP, DIESEL-FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR (LOCATED AT TIVERTON).

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 TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

6. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

7. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

8. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

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~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F4983
A/N 323826

Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, 6 CYLINDERS, TURBOCHARGED, MODEL NO. 8063-7305 (6V-92T), 370 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 TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

6 THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 3 DEGREES RETARDED RELATIVE TO PRODUCTION TIMING AS ESTABLISHED BY DETROIT DIESEL IN PRODUCT ANNOUNCEMENT 'INJECTION TIMING RETARD INSTRUCTIONS FOR CONFORMANCE WITH THE SCAQMD'S GENERAL PERMIT REGISTRATION PROGRAM, 6V-92T GENERATOR SET ENGINE MODEL 9063-7305'.
[RULE 1303 (a)(1)]

7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F5492
A/N 324434

Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, 6 CYLINDERS, TURBOCHARGED, MODEL NO. 8063-7305 (6V-92T), 370 BHP, DIESEL-FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR (LOCATED AT LAW).

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 TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

6. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 3 DEGREES RETARDED RELATIVE TO PRODUCTION TIMING AS ESTABLISHED BY DETROIT DIESEL IN PRODUCT ANNOUNCEMENT 'INJECTION TIMING RETARD INSTRUCTIONS FOR CONFORMANCE WITH THE SCAQMD'S GENERAL PERMIT REGISTRATION PROGRAM, 6V-92T GENERATOR SET ENGINE MODEL 9063-7305'.
[RULE 1303 (a)(1)]

7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

~~FACILITY PERMIT TO OPERATE~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F37549
A/N 324436

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, MODEL MT855-04, SERIAL NO.30318768, DIESEL-FUELED, 6 CYLINDERS, TURBOCHARGED, RATED AT 375 B.H.P, 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. AN OPERATIONAL NON RESETTABLE TOTALIZING TIME METER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. IN ADDITION TO MAINTENANCE AND TESTING OF THIS ENGINE, THIS ENGINE SHALL ONLY OPERATE DURING EMERGENCIES RESULTING IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING STAGE II OR III ELECTRICAL EMERGENCY DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.
[RULE 1304 (a)(4)]

6. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.

[RULE 1470, RULE 431.2]

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

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PERMIT TO OPERATE

Permit No. F37540
A/N 324438

Equipment Description:

INTERNAL COMBUSTION ENGINE, KOMATSU, MODEL 56D105-1, SERIAL NO.95843, DIESEL-FUELED, 6 CYLINDERS, TURBOCHARGED, RATED AT 154.8 B.H.P, 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. AN OPERATIONAL NON RESETTABLE TOTALIZING TIME METER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. IN ADDITION TO MAINTENANCE AND TESTING OF THIS ENGINE, THIS ENGINE SHALL ONLY OPERATE DURING EMERGENCIES RESULTING IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING STAGE II OR III ELECTRICAL EMERGENCY DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.
[RULE 1304 (a)(4)]

6. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

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

8. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

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9. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

10. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

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PERMIT TO OPERATE

Permit No. F37551
A/N 324439

Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, MODEL 91637316, SERIAL NO. 6A00598, DIESEL-FUELED, 16 CYLINDERS, TURBOCHARGED, RATED AT 2514 B.H.P, 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. AN OPERATIONAL NON RESETTABLE TOTALIZING TIME METER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. IN ADDITION TO MAINTENANCE AND TESTING OF THIS ENGINE, THIS ENGINE SHALL ONLY OPERATE DURING EMERGENCIES RESULTING IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING STAGE II OR III ELECTRICAL EMERGENCY DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.
[RULE 1304 (a)(4)]

6. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

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

8. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.

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[RULE 1470]

9. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

10. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

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PERMIT TO OPERATE

Permit No. F9960
A/N 332786

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, MODEL NO. KTA50-G3, SERIAL # E970638543, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, TURBOCHARGED, AFTERCOOLED, 16 CYLINDERS, 1,850 BHP (LOCATED AT GANDA).

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 TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

6. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

7. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

8. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

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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

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PERMIT TO OPERATE

Permit No. F11549
A/N 336111

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, 12 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. 3412 DITTA (500 KW), SERIAL NO. 81Z20682, RATED AT 746 BHP, DIESEL-FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR (LOCATED AT STRB).

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 TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

6. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO PRODUCTION TIMING AS ESTABLISHED BY CATERPILLAR IN PRODUCT NEWS BULLETIN '3412 DITTA 500 KW CALIFORNIA CONFIGURATION'.
[RULE 1303 (a)]

7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

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9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

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PERMIT TO OPERATE

Permit No. F17312
A/N 346215

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, 6 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. 3406 DITA (350 KW), SERIAL NO. 4ZR03724, RATED AT 519 BHP, DIESEL-FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR (LOCATED AT PARKING STRUCTURE #4).

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 TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

6. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

7. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

8. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

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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

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PERMIT TO OPERATE

Permit No. F23691
A/N 363084

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, 12 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. 3412 DITTA (500 KW), RATED AT 746 BHP, DIESEL-FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR (LOCATED AT UCPD).

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 TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

6. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO PRODUCTION TIMING AS ESTABLISHED BY CATERPILLAR IN PRODUCT NEWS BULLETIN '3412 DITTA 500 KW CALIFORNIA CONFIGURATION'.
[RULE 1303 (a)]

7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

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9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

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PERMIT TO OPERATE

Permit No. F23692
A/N 363085

Equipment Description:

INTERNAL COMBUSTION ENGINE, NAVISTAR INTERNATIONAL, 6 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. S-40 7.6LTA, 250 BHP, DIESEL-FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR (LOCATED AT LS).

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 TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

6. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

7. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

8. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

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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

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PERMIT TO OPERATE

Permit No. F36980
A/N 377360

Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, MODEL 6063-TK35, DIESEL-FUELED, SIX CYLINDERS, TURBOCHARGED AND AFTERCOOLED, RATED AT 550 B.H.P, DRIVING AN EMERGENCY ELECTRICAL GENERATOR (LOCATED AT DENEVE).

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. AN OPERATIONAL NON RESETTABLE TOTALIZING TIME METER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. IN ADDITION TO MAINTENANCE AND TESTING OF THIS ENGINE, THIS ENGINE SHALL ONLY OPERATE DURING EMERGENCIES RESULTING IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING STAGE II OR III ELECTRICAL EMERGENCY DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.
[RULE 1304 (a)(4)]

6. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

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9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

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PERMIT TO OPERATE

Permit No. F37887
A/N 378897

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, MODEL 3306 ATTACC, DIESEL-FUELED, 6 CYLINDERS, TURBOCHARGED AND AFTERCOOLED, RATED AT 377 B.H.P, 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. AN OPERATIONAL NON RESETTABLE TOTALIZING TIME METER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. IN ADDITION TO MAINTENANCE AND TESTING OF THIS ENGINE, THIS ENGINE SHALL ONLY OPERATE DURING EMERGENCIES RESULTING IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING STAGE II OR III ELECTRICAL EMERGENCY DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.
[RULE 1304 (a)(4)]

6. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

FACILITY PERMIT TO OPERATE
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7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470. [RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT. [RULE 1470, RULE 431.2]

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

~~FACILITY PERMIT TO OPERATE~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F38570
A/N 378957

Equipment Description:

INTERNAL COMBUSTION ENGINE, GENERAC, MODEL 13.3 DTA, SERIAL NO. 993921, DIESEL-FUELED, 6 CYLINDERS, TURBOCHARGED AND AFTERCOOLED, RATED AT 440 B.H.P, DRIVING AN EMERGENCY ELECTRICAL GENERATOR (LOCATED AT HEDRICK HALL).

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. AN OPERATIONAL NON RESETTABLE TOTALIZING TIME METER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. IN ADDITION TO MAINTENANCE AND TESTING OF THIS ENGINE, THIS ENGINE SHALL ONLY OPERATE DURING EMERGENCIES RESULTING IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING STAGE II OR III ELECTRICAL EMERGENCY DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.
[RULE 1304 (a)(4)]

6. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

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7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470. [RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT. [RULE 1470, RULE 431.2]

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

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PERMIT TO OPERATE

Permit No. F38571
A/N 378959

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, MODEL 3412, SERIAL NO. 81Z0797, DIESEL-FUELED, 12 CYLINDERS, TURBOCHARGED, RATED AT 724 B.H.P, DRIVING AN EMERGENCY ELECTRICAL GENERATOR (LOCATED AT SPROUL HALL).

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. AN OPERATIONAL NON RESETTABLE TOTALIZING TIME METER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. IN ADDITION TO MAINTENANCE AND TESTING OF THIS ENGINE, THIS ENGINE SHALL ONLY OPERATE DURING EMERGENCIES RESULTING IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING STAGE II OR III ELECTRICAL EMERGENCY DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.
[RULE 1304 (a)(4)]

6. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

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7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470. [RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT. [RULE 1470, RULE 431.2]

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

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PERMIT TO OPERATE

Permit No. F38572
A/N 378960

Equipment Description:

INTERNAL COMBUSTION ENGINE, GENERAC, MODEL 133DT, SERIAL NO. 889692, DIESEL-FUELED, TURBOCHARGED, RATED AT 320 B.H.P, DRIVING AN EMERGENCY ELECTRICAL GENERATOR (LOCATED AT DYKSTRA HALL).

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. AN OPERATIONAL NON RESETTABLE TOTALIZING TIME METER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. IN ADDITION TO MAINTENANCE AND TESTING OF THIS ENGINE, THIS ENGINE SHALL ONLY OPERATE DURING EMERGENCIES RESULTING IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING STAGE II OR III ELECTRICAL EMERGENCY DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.
[RULE 1304 (a)(4)]

6. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

FACILITY PERMIT TO OPERATE
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7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470. [RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

PERMIT TO OPERATE

Permit No. F37922
A/N 383299

Equipment Description:

INTERNAL COMBUSTION ENGINE, PERKINS, MODEL 1006-6GT, DIESEL-FUELED, 6 CYLINDERS, TURBOCHARGED, RATED AT 166 B.H.P, DRIVING AN EMERGENCY ELECTRICAL GENERATOR (LOCATED AT FRANZ HALL).

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. AN OPERATIONAL NON RESETTABLE TOTALIZING TIME METER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. IN ADDITION TO MAINTENANCE AND TESTING OF THIS ENGINE, THIS ENGINE SHALL ONLY OPERATE DURING EMERGENCIES RESULTING IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING STAGE II OR III ELECTRICAL EMERGENCY DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.
[RULE 1304 (a)(4]

6. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470. [RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT. [RULE 1470, RULE 431.2]

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

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PERMIT TO OPERATE

Permit No. F39010
A/N 383303

Equipment Description:

INTERNAL COMBUSTION ENGINE, PERKINS, MODEL 4.236T00, SERIAL NO. U708505A, DIESEL-FUELED, 4 CYLINDERS, FOUR CYCLE, TURBOCHARGED, RATED AT 94 B.H.P, DRIVING AN EMERGENCY ELECTRICAL GENERATOR (LOCATED AT MATH SCIENCES).

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. AN OPERATIONAL NON RESETTABLE TOTALIZING TIME METER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL BE NOT BE OPERATED MORE THAN 4.5 HOURS IN ANY ONE DAY.
[RULE 1303 (a)]

5. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

6. IN ADDITION TO MAINTENANCE AND TESTING OF THIS ENGINE, THIS ENGINE SHALL ONLY OPERATE DURING EMERGENCIES RESULTING IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING STAGE II OR III ELECTRICAL EMERGENCY DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.
[RULE 1304 (a)(4)]

7. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303 (a), RULE 1304 (a)(4), RULE 1470]

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

9 THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.

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[RULE 1470]

10. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

11. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

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PERMIT TO OPERATE

Permit No. 49789
A/N 398478

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, 6 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. N14-G2 (399 KW), SERIAL NO. 12027427, 535 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 TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

6. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

7. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

8. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

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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

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PERMIT TO OPERATE

Permit No. F52213
A/N 400674

Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, MODEL NO. 6063-HK35, SERIAL NO. 343692, DIESEL-FUELED, 6-CYLINDER, TURBOCHARGED AND AFTERCOOLED, 635 B.H.P, 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. AN OPERATIONAL NON RESETTABLE TOTALIZING TIME METER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. IN ADDITION TO MAINTENANCE AND TESTING OF THIS ENGINE, THIS ENGINE SHALL ONLY OPERATE DURING EMERGENCIES RESULTING IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING STAGE II OR III ELECTRICAL EMERGENCY DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.
[RULE 1304 (a)(4)]

6. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

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7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470. [RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT. [RULE 1470, RULE 431.2]

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

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UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F52214
A/N 400675

Equipment Description:

INTERNAL COMBUSTION ENGINE, JOHN DEERE, MODEL NO. 6081T, SERIAL NO. RG6081T139870, DIESEL-FUELED, 6-CYLINDER, TURBOCHARGED, 260 B.H.P, 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. AN OPERATIONAL NON RESETTABLE TOTALIZING TIME METER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. IN ADDITION TO MAINTENANCE AND TESTING OF THIS ENGINE, THIS ENGINE SHALL ONLY OPERATE DURING EMERGENCIES RESULTING IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING STAGE II OR III ELECTRICAL EMERGENCY DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.
[RULE 1304 (a)(4)]

6. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470. [RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT. [RULE 1470, RULE 431.2]

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

FACILITY PERMIT TO OPERATE
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PERMIT TO OPERATE

Permit No. F52215
A/N 400702

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, MODEL NO. 6CTAA8.3-G3, DIESEL-FUELED, 6-CYLINDER, TURBOCHARGED AND AFTERCOOLED, 317 B.H.P, 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. AN OPERATIONAL NON RESETTABLE TOTALIZING TIME METER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. IN ADDITION TO MAINTENANCE AND TESTING OF THIS ENGINE, THIS ENGINE SHALL ONLY OPERATE DURING EMERGENCIES RESULTING IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING STAGE II OR III ELECTRICAL EMERGENCY DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.
[RULE 1304 (a)(4)]

6. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

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7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470. [RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT. [RULE 1470, RULE 431.2]

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F56614
A/N 408454

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, MODEL 3516B-DITA, DIESEL-FUELED, TURBOCHARGED AND AFTERCOOLED, 16-CYLINDER, 2847 B.H.P, DRIVING AN EMERGENCY ELECTRICAL GENERATOR (LOCATED AT SRB1 BUILDING).

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. AN OPERATIONAL NON RESETTABLE TOTALIZING TIME METER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. IN ADDITION TO MAINTENANCE AND TESTING OF THIS ENGINE, THIS ENGINE SHALL ONLY OPERATE DURING EMERGENCIES RESULTING IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING STAGE II OR III ELECTRICAL EMERGENCY DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.
[RULE 1304 (a)(4)]

6. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

FACILITY PERMIT TO OPERATE
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7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470. [RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT. [RULE 1470, RULE 431.2]

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

~~FACILITY PERMIT TO OPERATE~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F58406
A/N 409647

Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, MODEL NO. R123-7K35 (12V-2000), DIESEL-FUELED, 12-CYLINDER, TURBOCHARGED AND AFTERCOOLED, 910 B.H.P. 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. AN OPERATIONAL NON RESETTABLE TOTALIZING TIME METER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. IN ADDITION TO MAINTENANCE AND TESTING OF THIS ENGINE, THIS ENGINE SHALL ONLY OPERATE DURING EMERGENCIES RESULTING IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING STAGE II OR III ELECTRICAL EMERGENCY DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.
[RULE 1304 (a)(4)]

6. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

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7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470. [RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT. [RULE 1470, RULE 431.2]

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

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PERMIT TO OPERATE

Permit No. F58435
A/N 409648

Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, MODEL NO. 6063-TK35, DIESEL-FUELED, 6-CYLINDER, TURBOCHARGED AND AFTERCOOLED, 490 B.H.P. 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. AN OPERATIONAL NON RESETTABLE TOTALIZING TIME METER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. IN ADDITION TO MAINTENANCE AND TESTING OF THIS ENGINE, THIS ENGINE SHALL ONLY OPERATE DURING EMERGENCIES RESULTING IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING STAGE II OR III ELECTRICAL EMERGENCY DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.
[RULE 1304 (a)(4)]

6. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

FACILITY PERMIT TO OPERATE
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7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470. [RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT. [RULE 1470, RULE 431.2]

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

~~FACILITY PERMIT TO OPERATE~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F58436
A/N 409649

Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, MODEL NO. 6063-TK35, DIESEL-FUELED, 6-CYLINDER, TURBOCHARGED AND AFTERCOOLED, 490 B.H.P, 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. AN OPERATIONAL NON RESETTABLE TOTALIZING TIME METER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4), RULE 1470]

5. IN ADDITION TO MAINTENANCE AND TESTING OF THIS ENGINE, THIS ENGINE SHALL ONLY OPERATE DURING EMERGENCIES RESULTING IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING STAGE II OR III ELECTRICAL EMERGENCY DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.
[RULE 1304 (a)(4)]

6. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304 (a)(4), RULE 1470]

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7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470. [RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT. [RULE 1470, RULE 431.2]

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

~~FACILITY PERMIT TO OPERATE~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F62618
A/N 415044

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, MODEL NO. 6CTA8.3-G, SERIAL NO. 45726455, DIESEL-FUELED, TURBOCHARGED AND AFTERCOOLED, 277 B.H.P, DRIVING AN EMERGENCY ELECTRICAL GENERATOR (LOCATED AT BRAIN MAPPING BLDG.).

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. AN OPERATIONAL NON RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1304 (a)(4), RULE 1470]

6. THE OPERATION OF ENGINE BEYOND THE 20 HOURS PER YEAR ALLOTED 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 SUBJECTED TO THE ROTATING OUTAGE.
[RULE 1304 (a)(4)]

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7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470. [RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT. [RULE 1470, RULE 431.2]

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

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UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F81771
A/N 406662

Equipment Description:

(located at the Energy Systems Facility/South Campus Central Chiller Plant)

AIR POLLUTION CONTROL SYSTEM NO. 1, SERVING COGENERATION SYSTEM NO. 1, CONSISTING OF:

1. REACTOR, NOX SELECTIVE CATALYTIC REDUCTION (SCR), FOSTER WHEELER ENERGY CORP., 8' 5-1/2" W. X 2' 4-3/8" L. X 25' 3-1/4" H., WITH AN AMMONIA INJECTION SYSTEM, AND A UREA TO AMMONIA GENERATION SYSTEM (COMMON TO AIR POLLUTION CONTROL SYSTEM NO. 2) CONSISTING OF:

   A. HYDROLYSIS REACTOR, UREA TO AMMONIA CONVERSION SYSTEM.

   B. STORAGE TANK, REACTOR FEED TANK, FIXED ROOF, UREA 40% SOLUTION, 12,000-GALLON CAPACITY, 12' 0" DIA. X 15' 6" H.

2. REACTOR, CO OXIDATION CATALYST, ENGELHARD, HONEY COMB TYPE, 10' 0" W. X 34' 0" H.

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 AND MAINTAINED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
   [RULE 204]

4. A CONTINUOUS MONITORING SYSTEM SHALL BE MAINTAINED AND OPERATED TO MEASURE AND RECORD THE MOLE RATIO OF INJECTED AMMONIA (NH3) TO SCR INLET NOX. THIS SYSTEM SHALL BE ACCURATE TO WITHIN PLUS OR MINUS 5.0 PERCENT (+/- 5.0%).
   [RULE 218]

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UNIVERSITY OF CALIFORNIA, LOS ANGELES

5. A CONTINUOUS MONITORING SYSTEM SHALL BE MAINTAINED AND OPERATED TO MEASURE, OVER A FIFTEEN CONSECUTIVE MINUTE AVERAGE TIME PERIOD, AND RECORD THE WASTE HEAT RECOVERY BOILER EXHAUST STACK FOR NOX, CO AND O2 CONCENTRATIONS, ON A DRY BASIS. THE SYSTEM SHALL ALSO CONVERT THE ACTUAL NOX AND CO CONCENTRATIONS TO A CORRECTED CONCENTRATION AT 15 PERCENT OXYGEN, ON A DRY BASIS, AND CONTINUOUSLY RECORD THESE CORRECTED STACK NOX, CO AND O2 CONCENTRATIONS. IN ADDITION, THE SYSTEM SHALL MONITOR AND RECORD THE DAILY NOX AND CO EMISSIONS IN POUNDS PER DAY FROM THE COGENERATION SYSTEM/WASTE HEAT BOILER/EXHAUST STACK. THIS MONITORING SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF RULE 218.
[RULE 1134, RULE 1303 (a)(1), RULE 218]

6. EMISSIONS OF OXIDES OF NITROGEN, AS NO2, FROM THE WASTE HEAT BOILER EXHAUST STACK SHALL NOT EXCEED 6 PPMV, CALCULATED DRY, AT 15 % O2, EXCEPT DURING START-UP AND SHUT-DOWN OPERATIONS.
[RULE 1303 (a)(1)]

7. EMISSIONS OF CARBON MONOXIDE (CO) FROM THE WASTE HEAT BOILER EXHAUST STACK SHALL NOT EXCEED 10 PPMV DURING NATURAL GAS OR BLENDED NATURAL AND LANDFILL GAS FIRING AND 13 PPMV DURING FUEL OIL FIRING, CALCULATED DRY, AT 15 % OXYGEN, EXCEPT DURING START-UP AND SHUT-DOWN OPERATIONS.
[RULE 1303 (a)(1)]

8. EMISSIONS OF AMMONIA (NH3) FROM THE WASTE HEAT BOILER EXHAUST SHALL NOT EXCEED 20 PPMV, CALCULATED DRY, AT 15% OXYGEN, EXCEPT DURING START- UP AND SHUT-DOWN OPERATIONS.
[RULE 1303 (a)(1)]

9. ALL CONCENTRATIONS OF GASEOUS EMISSIONS SHALL BE EXPRESSED IN PARTS PER MILLION BY VOLUME CORRECTED TO 15% OXYGEN, DRY, AND SHALL BE MEASURED OVER FOUR CONSECUTIVE FIFTEEN MINUTE AVERAGE TIME PERIODS IN ANY HOUR.
[RULE 1134, RULE 1303 (a)(1)]

10. SAMPLING PORTS SHALL BE PROVIDED IN THE GAS TURBINE EXHAUST DUCT AND WASTE HEAT BOILER EXHAUST DUCT 8-10 DUCT DIAMETERS DOWNSTREAM AND TWO (2) EQUIVALENT DUCT DIAMETERS UPSTREAM OF ANY FLOW DISTURBANCE AND SHALL CONSIST OF TWO 4-INCH WELDED NIPPLES WITH CAPS. OWNER/OPERATOR SHALL PROVIDE ADEQUATE AND SAFE ACCESS TO THE TEST PORTS. AN EQUIVALENT METHOD SHALL BE USED UPON PRIOR APPROVAL BY THE SCAQMD.
[RULE 217]

11. UCLA SHALL CONDUCT ANNUAL PERFORMANCE TESTS IN ACCORDANCE WITH SCAQMD TEST PROCEDURES AND FURNISH THE SCAQMD WRITTEN RESULTS OF SUCH PERFORMANCE TESTS WITHIN 45 DAYS AFTER TESTING. ALL SOURCE TESTING PROCEDURES AND ANALYTICAL METHODS SHALL BE SUBMITTED TO THE SCAQMD FOR APPROVAL AT LEAST 60 DAYS PRIOR TO START OF TESTS.

THE TEST SHALL INCLUDE THE FOLLOWING CONTAMINANTS AT THE SPECIFIED LOCATIONS OF FUEL INLET TO TURBINE, TURBINE EXHAUST PRIOR TO CATALYST/SCR, AND/OR FINAL STACK EXHAUST WHILE FUELED WITH BLENDED NATURAL AND LANDFILL GAS:

A. METHANE (FUEL INLET)
B. TOTAL NONMETHANE HYDROCARBONS (FUEL INLET, STACK)
C. AMMONIA (STACK EXHAUST)
[RULE 1134, RULE 1303 (a)(1), RULE 1303 (b)(2)]

12. AMMONIA SHALL BE CONTINUOUSLY INJECTED WHENEVER THE CATALYST INLET TEMPERATURE REACHES 500 DEGREES F AND THE ELECTRIC OUTPUT OF THE TURBINE REACHES 4.5 MEGAWATTS, UNLESS OTHERWISE APPROVED IN WRITING BY THE SCAQMD. [RULE 1303 (a)(1)]

13. THE OPERATOR SHALL KEEP THE FOLLOWING RECORDS:

A. DATES AND TIMES OF START-UPS AND SHUT-DOWNS.

B. QUANTITY OF NATURAL GAS, LANDFILL GAS AND FUEL OIL BURNED.

C. REASONS WHY NATURAL GAS OR BLENDED NATURAL AND LANDFILL GAS WAS NOT USED AND THE NUMBER OF HOURS DURING WHICH BACK-UP FUEL WAS USED.

D. RESULTS FROM THE MONITORS REQUIRED BY PERMIT CONDITION NOS. 4 AND 5.

RECORDS OF THE COGENERATION SYSTEM SHALL BE MAINTAINED BY UCLA AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1134, RULE 1303 (a)(1), RULE 1303 (b)(2)]

Periodic Monitoring:

14. 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:

15. 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
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F81770
A/N 406663

Equipment Description:

(located at the Energy Systems Facility/South Campus Central Chiller Plant)

AIR POLLUTION CONTROL SYSTEM NO. 2, SERVING COGENERATION SYSTEM NO. 2, CONSISTING OF:

1. REACTOR, NOX SELECTIVE CATALYTIC REDUCTION (SCR), FOSTER WHEELER ENERGY CORP., 8' 5-1/2" W. X 2' 4-3/8" L. X 25' 3-1/4" H., WITH AN AMMONIA INJECTION SYSTEM, AND A UREA TO AMMONIA GENERATION SYSTEM (COMMON TO AIR POLLUTION CONTROL SYSTEM NO. 1) CONSISTING OF:

   A. HYDROLYSIS REACTOR, UREA TO AMMONIA CONVERSION SYSTEM.

   B. STORAGE TANK, REACTOR FEED TANK, FIXED ROOF, UREA 40% SOLUTION, 12,000-GALLON CAPACITY, 12' 0" DIA. X 15' 6" H.

2. REACTOR, CO OXIDATION CATALYST, ENGELHARD, HONEY COMB TYPE, 10' 0" W. X 34' 0" H.

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 AND MAINTAINED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
   [RULE 204]

4. A CONTINUOUS MONITORING SYSTEM SHALL BE MAINTAINED AND OPERATED TO MEASURE AND RECORD THE MOLE RATIO OF INJECTED AMMONIA (NH3) TO SCR INLET NOX. THIS SYSTEM SHALL BE ACCURATE TO WITHIN PLUS OR MINUS 5.0 PERCENT (+/- 5.0%).
   [RULE 218]

FACILITY PERMIT TO OPERATE
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5. A CONTINUOUS MONITORING SYSTEM SHALL BE MAINTAINED AND OPERATED TO MEASURE, OVER A FIFTEEN CONSECUTIVE MINUTE AVERAGE TIME PERIOD, AND RECORD THE WASTE HEAT RECOVERY BOILER EXHAUST STACK FOR NOX, CO AND O2 CONCENTRATIONS, ON A DRY BASIS. THE SYSTEM SHALL ALSO CONVERT THE ACTUAL NOX AND CO CONCENTRATIONS TO A CORRECTED CONCENTRATION AT 15 PERCENT OXYGEN, ON A DRY BASIS, AND CONTINUOUSLY RECORD THESE CORRECTED STACK NOX, CO AND O2 CONCENTRATIONS. IN ADDITION, THE SYSTEM SHALL MONITOR AND RECORD THE DAILY NOX AND CO EMISSIONS IN POUNDS PER DAY FROM THE COGENERATION SYSTEM/WASTE HEAT BOILER/EXHAUST STACK. THIS MONITORING SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF RULE 218.
[RULE 1134, RULE 1303 (a)(1), RULE 218]

6. EMISSIONS OF OXIDES OF NITROGEN, AS NO2, FROM THE WASTE HEAT BOILER EXHAUST STACK SHALL NOT EXCEED 6 PPMV, CALCULATED DRY, AT 15 % O2, EXCEPT DURING START-UP AND SHUT-DOWN OPERATIONS.
[RULE 1303 (a)(1)]

7. EMISSIONS OF CARBON MONOXIDE (CO) FROM THE WASTE HEAT BOILER EXHAUST STACK SHALL NOT EXCEED 10 PPMV DURING NATURAL GAS OR BLENDED NATURAL AND LANDFILL GAS FIRING AND 13 PPMV DURING FUEL OIL FIRING, CALCULATED DRY, AT 15 % OXYGEN, EXCEPT DURING START-UP AND SHUT-DOWN OPERATIONS.
[RULE 1303 (a)(1)]

8. EMISSIONS OF AMMONIA (NH3) FROM THE WASTE HEAT BOILER EXHAUST SHALL NOT EXCEED 20 PPMV, CALCULATED DRY, AT 15% OXYGEN, EXCEPT DURING START- UP AND SHUT-DOWN OPERATIONS.
[RULE 1303 (a)(1)]

9. ALL CONCENTRATIONS OF GASEOUS EMISSIONS SHALL BE EXPRESSED IN PARTS PER MILLION BY VOLUME CORRECTED TO 15% OXYGEN, DRY, AND SHALL BE MEASURED OVER FOUR CONSECUTIVE FIFTEEN MINUTE AVERAGE TIME PERIODS IN ANY HOUR.
[RULE 1134, RULE 1303 (a)(1)]

10. SAMPLING PORTS SHALL BE PROVIDED IN THE GAS TURBINE EXHAUST DUCT AND WASTE HEAT BOILER EXHAUST DUCT 8-10 DUCT DIAMETERS DOWNSTREAM AND TWO (2) EQUIVALENT DUCT DIAMETERS UPSTREAM OF ANY FLOW DISTURBANCE AND SHALL CONSIST OF TWO 4-INCH WELDED NIPPLES WITH CAPS. OWNER/OPERATOR SHALL PROVIDE ADEQUATE AND SAFE ACCESS TO THE TEST PORTS. AN EQUIVALENT METHOD SHALL BE USED UPON PRIOR APPROVAL BY THE SCAQMD.
[RULE 217]

11. UCLA SHALL CONDUCT ANNUAL PERFORMANCE TESTS IN ACCORDANCE WITH SCAQMD TEST PROCEDURES AND FURNISH THE SCAQMD WRITTEN RESULTS OF SUCH PERFORMANCE TESTS WITHIN 45 DAYS AFTER TESTING. ALL SOURCE TESTING PROCEDURES AND ANALYTICAL METHODS SHALL BE SUBMITTED TO THE SCAQMD FOR APPROVAL AT LEAST 60 DAYS PRIOR TO START OF TESTS.

THE TEST SHALL INCLUDE THE FOLLOWING CONTAMINANTS AT THE SPECIFIED LOCATIONS OF FUEL INLET TO TURBINE, TURBINE EXHAUST PRIOR TO CATALYST/SCR, AND/OR FINAL STACK EXHAUST WHILE FUELED WITH BLENDED NATURAL AND LANDFILL GAS:

A. METHANE (FUEL INLET)
B. TOTAL NONMETHANE HYDROCARBONS (FUEL INLET, STACK)
C. AMMONIA (STACK EXHAUST)
[RULE 1134, RULE 1303 (a)(1), RULE 1303 (b)(2)]

12. AMMONIA SHALL BE CONTINUOUSLY INJECTED WHENEVER THE CATALYST INLET TEMPERATURE REACHES 500 DEGREES F AND THE ELECTRIC OUTPUT OF THE TURBINE REACHES 4.5 MEGAWATTS, UNLESS OTHERWISE APPROVED IN WRITING BY THE SCAQMD. [RULE 1303 (a)(1)]

13. THE OPERATOR SHALL KEEP THE FOLLOWING RECORDS:

A. DATES AND TIMES OF START-UPS AND SHUT-DOWNS.

B. QUANTITY OF NATURAL GAS, LANDFILL GAS AND FUEL OIL BURNED.

C. REASONS WHY NATURAL GAS OR BLENDED NATURAL AND LANDFILL GAS WAS NOT USED AND THE NUMBER OF HOURS DURING WHICH BACK-UP FUEL WAS USED.

D. RESULTS FROM THE MONITORS REQUIRED BY PERMIT CONDITION NOS. 4 AND 5.

RECORDS OF THE COGENERATION SYSTEM SHALL BE MAINTAINED BY UCLA AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1134, RULE 1303 (a)(1), RULE 1303 (b)(2)]

Periodic Monitoring:

14. 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:

15. 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~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F71100
A/N 431761

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, MODEL NO. 3516B, DIESEL-FUELED, 16-CYLINDER, TURBOCHARGED AND AFTERCOOLED, 2499 B.H.P, DRIVING AN EMERGENCY ELECTRICAL GENERATOR (LOCATED AT STRB II BLDG.).

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. AN OPERATIONAL NON RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 30 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION OF THIS ENGINE. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION (BOTH MANUAL AND AUTOMATIC) FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED ANYTIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1304 (a)(4), RULE 1470]

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

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[RULE 1304 (a)(4), RULE 1470]

7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

8. THE ENGINES UNDER APPLICATION NUMBERS 431761 AND 431762 SHALL NOT BE TESTED ON THE SAME DAYS.
[RULE 212]

9. THE DURATION OF THE TESTS FOR EACH ENGINE UNDER APPLICATION NUMBERS 431761 AND 431762 SHALL NOT EXCEED ONE HOUR AT ANY ONE TIME.
[RULE 212]

10. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

11. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

12. 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~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F71101
A/N 431762

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, MODEL NO. 3516B, DIESEL-FUELED, 16-CYLINDER, TURBOCHARGED AND AFTERCOOLED, 2499 B.H.P, DRIVING AN EMERGENCY ELECTRICAL GENERATOR (LOCATED AT CNSI BLDG.).

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. AN OPERATIONAL NON RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 30 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION OF THIS ENGINE. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION (BOTH MANUAL AND AUTOMATIC) FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED ANYTIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1304 (a)(4), RULE 1470]

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

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[RULE 1304 (a)(4), RULE 1470]

7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

8. THE ENGINES UNDER APPLICATION NUMBERS 431761 AND 431762 SHALL NOT BE TESTED ON THE SAME DAYS.
[RULE 212]

9. THE DURATION OF THE TESTS FOR EACH ENGINE UNDER APPLICATION NUMBERS 431761 AND 431762 SHALL NOT EXCEED ONE HOUR AT ANY ONE TIME.
[RULE 212]

10. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

11. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

12. 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~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F73157
A/N 438367

Equipment Description:

INTERNAL COMBUSTION ENGINE, PERKINS, MODEL NO. 1104C-44TAG2, DIESEL-FUELED, 4-CYLINDER, TURBOCHARGED AND AFTERCOOLED, 157.5 B.H.P, DRIVING AN EMERGENCY ELECTRICAL GENERATOR (LOCATED AT HEDRICK TOWER).

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. AN OPERATIONAL NON RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION OF THIS ENGINE. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION (BOTH MANUAL AND AUTOMATIC) FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED ANYTIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1304 (a)(4), RULE 1470]

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

[RULE 1304 (a)(4), RULE 1470]

7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

~~FACILITY PERMIT TO OPERATE~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F73384
A/N 438553

Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, MODEL NO. 6063-HK35, DIESEL-FUELED, 6-CYLINDER, TURBOCHARGED AND AFTERCOOLED, 550 B.H.P, DRIVING AN EMERGENCY ELECTRICAL GENERATOR (LOCATED AT HILLBLOM RESEARCH CENTER).

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. AN OPERATIONAL NON RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1470]

4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.
[RULE 1304 (a)(4), RULE 1470]

5. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION OF THIS ENGINE. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION (BOTH MANUAL AND AUTOMATIC) FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED ANYTIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1304 (a)(4), RULE 1470]

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

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[RULE 1304 (a)(4), RULE 1470]

7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

8. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

9. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

~~FACILITY PERMIT TO OPERATE~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F82410
A/N 447811

Equipment Description:

(located at Rieber North)

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 6063-HK35, SERIAL NO. 06R0786142, TURBOCHARGED, AFTERCOOLED, 6 CYLINDERS, FOUR CYCLE, 635 BHP.

Conditions:

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

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

3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

4. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

6. 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 DO SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1470]

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

7. 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 1304(a)-MODELING AND OFFSET, RULE 1470]

8. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
   [RULE 1470]

9. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
   [RULE 1470, RULE 431.2]

10. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
    [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

~~FACILITY PERMIT TO OPERATE~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F82411
A/N 447812

Equipment Description:

(located at Rieber West)

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 6063-HK35, SERIAL NO. 06R0755508, TURBOCHARGED, AFTERCOOLED, 6 CYLINDERS, FOUR CYCLE, 635 BHP.

Conditions:

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

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

3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

4. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

6. 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 DO SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1470]

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

7. 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 1304(a)-MODELING AND OFFSET, RULE 1470]

8. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
   [RULE 1470]

9. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
   [RULE 1470, RULE 431.2]

10. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
    [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

~~FACILITY PERMIT TO OPERATE~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F90961
A/N 448155

Equipment Description:

(located at Engineering I Building)

INTERNAL COMBUSTION ENGINE, MITSUBISHI, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. S12R-YIPTA-2, TURBOCHARGED, 12 CYLINDERS, 1881 BHP.

Conditions:

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

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

3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

4. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

6. 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 DO SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1470]

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

7. 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 1304(a)-MODELING AND OFFSET, RULE 1470]

8. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
   [RULE 1470]

9. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
   [RULE 1470, RULE 431.2]

10. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
    [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

~~FACILITY PERMIT TO OPERATE~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F79657
A/N 448157

Equipment Description:

(located at Warren Hall)

BOILER, SELLERS, MODEL NO. 125HP-SL-LN390, SERIAL NO. 99704, RATED AT 4,952,755 BTU/HR, NATURAL GAS-FIRED, WITH A 4.95 MMBTU/HR SELLERS GAS AIR PREMIX LOW NOx BURNERS.

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 FIRED WITH NATURAL GAS ONLY.
[RULE 1146.1]

4. THIS BOILER SHALL EMIT NO MORE THAN 30 PPM OF OXIDES OF NITROGEN (NOx), CALCULATED AS NO_2, AND NO MORE THAN 400 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% O_2.
[RULE 1146.1]

5. THIS BOILER SHALL COMPLY WITH RULE 1146.1.
[RULE 1146.1]

Emissions And Requirements:

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

CO: 2000 PPMV, RULE 407
CO: 400 PPMV, RULE 1146.1
NOX: 30 PPMV, RULE 1146.1
PM: 0.1 GR/SCF, RULE 409

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F78903
A/N 448158

Equipment Description:

(located at the UCLA Replacement Hospital)

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3516B DITA (2000 KW), SERIAL NO. 1HZ02177, TURBOCHARGED, AFTERCOOLED, 16 CYLINDERS, FOUR CYCLE, 2847 BHP.

Conditions:

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

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

3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

4. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

6. 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 DO SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1470]

7. 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 1304(a)-MODELING AND OFFSET, RULE 1470]

8. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
   [RULE 1470]

9. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
   [RULE 1470, RULE 431.2]

10. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
    [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F78904
A/N 448159

Equipment Description:

(located at the UCLA Replacement Hospital)

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3516B DITA (2000 KW), SERIAL NO. 1HZ02176, TURBOCHARGED, AFTERCOOLED, 16 CYLINDERS, FOUR CYCLE, 2847 BHP.

Conditions:

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

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

3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

4. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

6. 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 DO SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1470]

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

7. 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 1304(a)-MODELING AND OFFSET, RULE 1470]

8. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
   [RULE 1470]

9. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
   [RULE 1470, RULE 431.2]

10. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
    [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F78905
A/N 448160

Equipment Description:

(located at the UCLA Replacement Hospital)

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3516B DITA (2000 KW), SERIAL NO. 1HZ02175, TURBOCHARGED, AFTERCOOLED, 16 CYLINDERS, FOUR CYCLE, 2847 BHP.

Conditions:

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

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

3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

4. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

6. 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 DO SO BY THE UTILITY OR THE GRID OPERATOR.

[RULE 1470]

7. 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 1304(a)-MODELING AND OFFSET, RULE 1470]

8. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

9. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

10. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F78906
A/N 448161

Equipment Description:

(located at the UCLA Replacement Hospital)

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3516B DITA (2000 KW), SERIAL NO. 1HZ02174, TURBOCHARGED, AFTERCOOLED, 16 CYLINDERS, FOUR CYCLE, 2847 BHP.

Conditions:

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

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

3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

4. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

6. 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 DO SO BY THE UTILITY OR THE GRID OPERATOR.

[RULE 1470]

7. 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 1304(a)-MODELING AND OFFSET, RULE 1470]

8. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
   [RULE 1470]

9. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
   [RULE 1470, RULE 431.2]

10. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
    [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F82412
A/N 448551

Equipment Description:

(located at the Powell/Kinsey Buildings)

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. QSX15-G9, SERIAL NO. 79141009, TURBOCHARGED, AFTERCOOLED, 6 CYLINDERS, 755 BHP.

Conditions:

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

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

3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

4. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

6. 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 DO SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1470]

7. 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 1304(a)-MODELING AND OFFSET, RULE 1470]

8. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
   [RULE 1470]

9. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
   [RULE 1470, RULE 431.2]

10. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
    [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. N19559
A/N 451548

Equipment Description:

FUEL STORAGE AND DISPENSING FACILITY (LOCATED AT FLEET SERVICE) CONSISTING OF:

1. 8- GASOLINE BELLOWS-LESS NOZZLES DISPENSING 8 PRODUCTS, EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, HEALY PHASE II EVR SYSTEM NOT INCLUDING ISD (VR-201-C).

2. 2- GASOLINE UNDERGROUND STORAGE TANKS, EACH 10,000-GALLON CAPACITY, EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM CNI MANUFACTURING (VR-104-B), 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.
[RULE 204]

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

3. EXCEPT FOR DIESEL TRANSFERS, PHASE I VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO STORAGE TANKS.
[RULE 461, RULE 1303 (a)(1)]

4. EXCEPT FOR DIESEL TRANSFER, 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, RULE 1303 (a)(1)]

5. 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]

6. A PRESSURE INTEGRITY 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. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH TEST PROCEDURE METHOD TP-201.1C 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]

7. A LEAK RATE AND CRACKING PRESSURE TEST OF PRESSURE/VACUUM RELIEF VENT VALVES SHALL BE CONDUCTED WITHIN THIRTY DAYS (30) AFTER THE START OF OPERATION OF THE CNI MANUFACTURING PHASE I EVR EQUIPMENT AND AT LEAST ONCE EVERY THREE (3) YEARS THEREAFTER TO DETERMINE THE PRESSURE AND VACUUM AT WHICH THE PRESSURE/VACUUM VENT VALVE ACTUATES, AND TO DETERMINE THE VOLUMETRIC LEAK RATE AT A GIVEN PRESSURE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEST PROCEDURE METHOD TP-201.1E. 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 FIVE (5) YEARS AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.
[RULE 461]

8. 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 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]

9. THE PHASE II VAPOR RECOVERY SYSTEM SHALL BE INSTALLED, OPERATED, AND MAINTAINED SUCH THAT THE MAXIMUM ALLOWABLE PRESSURE THROUGH THE RISER, AND UNDERGROUND PIPING DOES NOT EXCEED THE DYNAMIC BACK PRESSURE DESCRIBED BY THE CALIFORNIA AIR RESOURCES BOARD EXECUTIVE ORDER BY WHICH THE SYSTEM WAS CERTIFIED:

NITROGEN FLOWRATES (CFH)	DYNAMIC BACK PRESSURE (INCHES OF WATER)
60	0.50

DYNAMIC BACK PRESSURE TESTS SHALL BE CONDUCTED TO DETERMINE THE PHASE II SYSTEM VAPOR RECOVERY BACK PRESSURES. THE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE TP-201.4, METHODOLOGY 4; AS A PERFORMANCE TEST. THIS TEST SHALL BE A ONE-TIME TEST AND THE RESULTS KEPT PERMANENTLY ON SITE. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TESTS.
[RULE 461]

10. 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 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]

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

11. A STATIC PRESSURE PERFORMANCE TEST FOR THE HEALY CLEAN AIR SEPARATOR USING BOTH THE VACUUM DECAY PROCEDURE AND THE POSITIVE PRESSURE PROCEDURE SHALL BE CONDUCTED TO QUANTIFY THE VAPOR TIGHTNESS OF THE HEALY CLEAN AIR SEPARATOR TANK PRESSURE MANAGEMENT SYSTEM. THESE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 4 OF CARB EXECUTIVE ORDER VR-201-C AS A PERFORMANCE TEST AND REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]

12. A VAPOR TO LIQUID VOLUME RATIO TEST SHALL BE CONDUCTED TO QUANTIFY THE VAPOR TO LIQUID (V/L) VOLUMETRIC RATIO OF THE HEALY CLEAN AIR SEPARATOR SYSTEM. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 5 OF CARB EXECUTIVE ORDER VR-201-C 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 NOZZLE BAG TEST SHALL BE CONDUCTED ON THE HEALY PHASE II EVR NOZZLES TO VERIFY THE INTEGRITY OF THE VAPOR VALVE. THE TEST SHALL BE CONDUCTED ON ANY NEWLY INSTALLED OR REPLACED HEALY PHASE II EVR NOZZLES AND IN ACCORDANCE WITH EXHIBIT 7 OF CARB EXECUTIVE ORDER VR-201-C. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]

14. THE STATIC PRESSURE LEAK DECAY TEST TP-201.3, SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 8 OF CARB EXECUTIVE ORDER VR-201-C. VERIFICATION OF COMPLETING EACH STEP AS OUTLINED SHALL BE DOCUMENTED BY SUBMITTING A COPY OF EXHIBIT 8 TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]

15. THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO ANY OF THE ABOVE MENTIONED TESTING REQUIREMENTS. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE TESTS TO BE PERFORMED.
[RULE 461]

16. 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]

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

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18. THE MAXIMUM QUANTITY OF GASOLINE DISPENSED FROM THE STORAGE TANKS AT THIS FACILITY SHALL NOT EXCEED 53,000 GALLONS IN ANY ONE CALENDAR MONTH NOR 636,000 GALLONS IN ANY ONE CALENDAR YEAR.
[RULE 1303 (b)(2), RULE 1401]

19. FOR ISD REQUIREMENTS ONLY, THIS FACILITY SHALL NOT DISPENSE MORE THAN 600,000 GALLONS OF GASOLINE PER CALENDAR YEAR. SHOULD THE FACILITY DISPENSE MORE THAN 600,000 GALLONS OF GASOLINE PER CALENDAR YEAR, THE OPERATOR SHALL IMMEDIATELY CEASE ALL GASOLINE DISPENSING OPERATIONS AND FILE AN APPLICATION FOR A 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 FULLY INSTALLED.
[RULE 461]

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

Periodic Monitoring:

21. THE OPERATOR SHALL HAVE A PERSON THAT HAS BEEN TRAINED IN ACCORDANCE WITH RULE 461(d)(5) CONDUCT A SEMI-ANNUAL INSPECTION OF THE GASOLINE TRANSFER AND DISPENSING EQUIPMENT. THE FIRST INSPECTION SHALL BE IN ACCORDANCE WITH RULE 461, ATTACHMENT B, THE SECOND INSPECTION SHALL BE IN ACCORDANCE WITH RULE 461, ATTACHMENT C, 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:

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

VOC: RULE 461
VOC: RULE 1170

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F89260
A/N 455087

Equipment Description:

(located at the Math Science Building)

INTERNAL COMBUSTION PERKINS, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. GCD325, SERIAL NO. NNS01360, TURBOCHARGED, AFTERCOOLED, SIX CYLINDERS, 325 BHP.

Conditions:

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

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

3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

4. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

6. 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 DO SO BY THE UTILITY OR THE GRID OPERATOR.

[RULE 1470]

7. 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 1304(a)-MODELING AND OFFSET, RULE 1470]

8. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

9. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

10. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

FACILITY PERMIT TO OPERATE
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PERMIT TO OPERATE

Permit No. F84400
A/N 459848

Equipment Description:

(located at CHS Hospital & Clinics # EGS-1)

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. D399, SERIAL NO. 35B1071, TURBOCHARGED, SIXTEEN CYLINDERS, 4-CYCLE, 1260 BHP.

Conditions:

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

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

3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

4. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

6. THIS ENGINE SHALL BE REMOVED FROM OFFICE OF STATEWIDE HEALTH PLANNING DEVELOPMENT (OSHPD) SERVICE PRIOR TO JANUARY 1, 2009.
[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 DO SO BY THE UTILITY OR THE GRID OPERATOR.
[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 1304(a)-MODELING AND OFFSET, RULE 1470]

9. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

10. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

11. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

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PERMIT TO OPERATE

Permit No. F84399
A/N 459849

Equipment Description:

(located at CHS Hospital & Clinics # EGS-2)

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. D399, SERIAL NO. 35B1072, TURBOCHARGED, SIXTEEN CYLINDERS, 4-CYCLE, 1260 BHP.

Conditions:

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

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

3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

4. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

6. THIS ENGINE SHALL BE REMOVED FROM OFFICE OF STATEWIDE HEALTH PLANNING DEVELOPMENT (OSHPD) SERVICE PRIOR TO JANUARY 1, 2009.
[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 DO SO BY THE UTILITY OR THE GRID OPERATOR.
[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 1304(a)-MODELING AND OFFSET, RULE 1470]

9. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

10. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

11. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

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UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F84398
A/N 459850

Equipment Description:

(located at CHS Hospital & Clinics # EGS-3)

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. D399, SERIAL NO. 35B4263, TURBOCHARGED, SIXTEEN CYLINDERS, 4-CYCLE, 1310 BHP.

Conditions:

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

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

3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

4. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

6. THIS ENGINE SHALL BE REMOVED FROM OFFICE OF STATEWIDE HEALTH PLANNING DEVELOPMENT (OSHPD) SERVICE PRIOR TO JANUARY 1, 2009.
[RULE 1470]

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UNIVERSITY OF CALIFORNIA, LOS ANGELES

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 DO SO BY THE UTILITY OR THE GRID OPERATOR.
[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 1304(a)-MODELING AND OFFSET, RULE 1470]

9. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

10. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

11. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

12. 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
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F84397
A/N 459851

Equipment Description:

(located at CHS Hospital & Clinics # EGS-4)

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. D399, SERIAL NO. 35B4258, TURBOCHARGED, SIXTEEN CYLINDERS, 4-CYCLE, 1310 BHP.

Conditions:

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

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

3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

4. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

6. THIS ENGINE SHALL BE REMOVED FROM OFFICE OF STATEWIDE HEALTH PLANNING DEVELOPMENT (OSHPD) SERVICE PRIOR TO JANUARY 1, 2009.
[RULE 1470]

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UNIVERSITY OF CALIFORNIA, LOS ANGELES

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 DO SO BY THE UTILITY OR THE GRID OPERATOR.
[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 1304(a)-MODELING AND OFFSET, RULE 1470]

9. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

10. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

11. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

12. 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
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F84396
A/N 459852

Equipment Description:

(located at CHS Hospital & Clinics, Radiology)

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 12V-149TI, SERIAL NO. 6537329, TURBOCHARGED, AFTERCOOLED, TWELVE CYLINDERS, 1750 BHP.

Conditions:

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

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

3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

4. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

6. THIS ENGINE SHALL BE REMOVED FROM OFFICE OF STATEWIDE HEALTH PLANNING DEVELOPMENT (OSHPD) SERVICE PRIOR TO JANUARY 1, 2009.
[RULE 1470]

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

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

9. 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 1304(a)-MODELING AND OFFSET, RULE 1470]

10. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]

11. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

12. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

FACILITY PERMIT TO OPERATE
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PERMIT TO OPERATE

Permit No. F95749
A/N 473877

Equipment Description:

(located at Parking Structure #3)

INTERNAL COMBUSTION ENGINE, PERKINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 1104C (2460/1800), SERIAL NO. RE51214 U154253L, NATURALLY ASPIRATED, FOUR CYLINDERS, 4-CYCLE, 72.4 BHP.

Conditions:

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

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

3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

4. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

6. 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 DO SO BY THE UTILITY OR THE GRID OPERATOR.

7. 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 1304(a)-MODELING AND OFFSET, RULE 1470]

8. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
   [RULE 1470]

9. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
   [RULE 1470, RULE 431.2]

10. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
    [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F95750
A/N 473878

Equipment Description:

(located at PS 5, 4, 7, Wooden & Ashe Centers)

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3516C-DITA, TURBOCHARGED, AFTERCOOLED, SIXTEEN CYLINDERS, 4-CYCLE, 3622 BHP.

Conditions:

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

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

3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

4. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

6. 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 DO SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1470]

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UNIVERSITY OF CALIFORNIA, LOS ANGELES

7. 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 1304(a)-MODELING AND OFFSET, RULE 1470]

8. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
   [RULE 1470]

9. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
   [RULE 1470, RULE 431.2]

10. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
    [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F95751
A/N 475260

Equipment Description:

(located at Engineering V Bldg.)

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. T1638A36, TURBOCHARGED, AFTERCOOLED, SIXTEEN CYLINDERS, 4-CYCLE, 3057 BHP.

Conditions:

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

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

3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

4. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

6. 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 DO SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1470]

7. 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 1304(a)-MODELING AND OFFSET, RULE 1470]

8. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
   [RULE 1470]

9. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
   [RULE 1470, RULE 431.2]

10. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
    [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. F97591
A/N 481972

Equipment Description:

(located at Life Sciences Replacement Bldg.)

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. QSK50-G4 NR2, TURBOCHARGED, AFTERCOOLED, SIXTEEN CYLINDERS, 2220 BHP.

Conditions:

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

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

3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

4. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

6. 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 DO SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1470]

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UNIVERSITY OF CALIFORNIA, LOS ANGELES

7. 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 1304(a)-MODELING AND OFFSET, RULE 1470]

8. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
   [RULE 1470]

9. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
   [RULE 1470, RULE 431.2]

10. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
    [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. G3897
A/N 498393

Equipment Description:

(located at the Spieker Aquatic Center)

INTERNAL COMBUSTION ENGINE, JOHN DEERE , DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 4024HF285B, TURBOCHARGED, AFTERCOOLED, FOUR CYLINDERS, 80 BHP.

Conditions:

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

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

3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING, AND NO MORE THAN 4.2 HOURS IN ANY ONE MONTH FOR MAINTENANCE AND TESTING .
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

4. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470, RULE 1472]

5. OPERATION BEYOND THE 50 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

6. 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 DO SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1470]

7. THE OPERATOR SHALL KEEP A LOG OF ENGINE OPERATIONS DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND THE SPECIFIC REASON FOR OPERATION AS :

A. EMERGENCY USE

B. MAINTENANCE AND TESTING

C. OTHERS (SPECIFY)

IN ADDITION, FOR EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF ENGINE OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READINGS (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND THE END OF THE OPERATION.
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

8. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG :

A. THE TOTAL HOURS OF ENGINE OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND

B. THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

9. ENGINE OPERATION LOGS SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE CALENDAR YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.
[RULE 1470]

10. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 1470 AND 1472.
[RULE 1470, RULE 1472]

11. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]

12. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
[RULE 1470, RULE 431.2]

Emissions And Requirements:

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

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

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

~~FACILITY PERMIT TO OPERATE~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PERMIT TO OPERATE

Permit No. G3896
A/N 498553

Equipment Description:

(located at the Rieber Hall)

INTERNAL COMBUSTION ENGINE, JOHN DEERE , DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 6135HF485T, TURBOCHARGED, AFTERCOOLED, SIX CYLINDERS, 538 BHP.

Conditions:

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

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

3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING, AND NO MORE THAN 4.2 HOURS IN ANY ONE MONTH FOR MAINTENANCE AND TESTING .
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

4. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470, RULE 1472]

5. OPERATION BEYOND THE 50 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

6. 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 DO SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1470]

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7. THE OPERATOR SHALL KEEP A LOG OF ENGINE OPERATIONS DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND THE SPECIFIC REASON FOR OPERATION AS :

   A. EMERGENCY USE

   B. MAINTENANCE AND TESTING

   C. OTHERS (SPECIFY)

   IN ADDITION, FOR EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF ENGINE OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READINGS (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND THE END OF THE OPERATION.
   [RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

8. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG :

   A. THE TOTAL HOURS OF ENGINE OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND

   B. THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.
   [RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

9. ENGINE OPERATION LOGS SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE CALENDAR YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.
   [RULE 1470]

10. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 1470 AND 1472.
    [RULE 1470, RULE 1472]

11. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
    [RULE 1470, RULE 431.2]

12. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST
    [RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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

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PERMIT TO OPERATE

Permit No. G9381
A/N 503209

Equipment Description:

[located at the 100 Medical Plaza Bldg.]

INTERNAL COMBUSTION ENGINE, CLARKE GM DIESEL, DIESEL-FUELED, EMERGENCY FIRE PUMP DRIVER, MODEL NO. D226-6, SERIAL NO. D226-6-17325, SIX CYLINDERS, 4-CYCLE, 103 BHP.

Conditions:

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

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

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

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 34 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING TO COMPLY WITH THE REQUIREMENTS OF THE NATIONAL FIRE PROTECTION ASSOCIATION.
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

5. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

7. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED, DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND THE SPECIFIC REASON FOR OPERATION AS:

   A. EMERGENCY USE.

   B. MAINTENANCE AND TESTING.

   C. OTHER (DESCRIBE THE REASON FOR OPERATING).

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)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

8. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG :

   A. THE TOTAL HOURS OF ENGINE OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND

   B. 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)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, 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

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PERMIT TO OPERATE

Permit No. G9382
A/N 503210

Equipment Description:

(located at the 100 Medical Plaza Bldg.)

INTERNAL COMBUSTION ENGINE, CUMMINS , DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. NTA855-G2, SERIAL NO. 11575855, TURBOCHARGED, AFTERCOOLED, SIX CYLINDERS, 465 BHP.

Conditions:

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

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

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

4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING AND NO MORE THAN 1.7 HOURS IN ANY ONE MONTH FOR MAINTENANCE AND TESTING.
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

5. OPERATING BEYOND THE 20 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 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

6. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470, RULE 1472]

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7. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED, DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND THE SPECIFIC REASON FOR OPERATION AS:

   A. EMERGENCY USE.

   B. MAINTENANCE AND TESTING.

   C. OTHER (DESCRIBE THE REASON FOR OPERATING).

   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)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

8. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG :

   A. THE TOTAL HOURS OF ENGINE OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND

   B. 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)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, 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

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Permit No. G14969
A/N 514356

Equipment Description:

(Located at Pauley Pavilion)

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, 12 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. R123-8A36, 1,120 BHP, DIESEL-FUELED, EQUIPPED WITH A DIESEL PARTICULATE FILTER, JOHNSON-MATTHEY, MODEL NO. CRT(+), 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. THIS ENGINE SHALL NOT OPERATE 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 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

4. AN OPERATIONAL NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

5. 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 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

6. AN ENGINE OPERATING LOG SHALL BE KEPT AND SHALL DOCUMENT THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND SPECIFIC REASON FOR OPERATION AS:

   A. EMERGENCY USE.
   B. MAINTENANCE AND TESTING.

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C. OTHER (DESCRIBE THE REASON FOR OPERATING).

IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TIME METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION.
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

   A. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND
   B. THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.

   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)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

9. 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 1470]

10. THIS ENGINE SHALL OPERATE AT THE LOAD LEVEL REQUIRED TO ACHIEVE A MINIMUM EXHAUST TEMPERATURE (FOR FILTER REGENERATION) OF 465 DEGREES FAHRENHEIT FOR A MINIMUM OF 40 PERCENT OF TOTAL OPERATION TIME.
    [RULE 1470]

11. REGENERATION OF THE CATALYST SHALL BE PERFORMED AFTER 24 COLD START-UPS WITH 30-MINUTE IDLE SESSIONS.
    [RULE 1470]

12. THE OPERATOR SHALL INSPECT THE INTEGRITY OF THE FILTER AND CLEAN OR REPLACE SUCH FILTER EVERY 6 TO 12 MONTHS DEPENDING ON THE HOURS OF OPERATION MAINTENANCE PRACTICE, AND HOURS OF USE.
    [RULE 1470]

13. THE OPERATOR SHALL RECORDS OF PARTICULATE FILTER INSPECTIONS, REPLACEMENTS, AND MANUAL REGENERATIONS. THE OPERATOR SHALL MAINTAIN THESE RECORDS FOR A MINIMUM OF TWO YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER UPON REQUEST.
    [RULE 1470]

14. THE ENGINE SHALL NOT OPERATE BELOW THE PASSIVE REGENERATION TEMPERATURE (465 DEGREES FAHRENHEIT) FOR A PERIOD GREATER THAN 720 CONSECUTIVE MINUTES.
    [RULE 1470]

15. THE MINIMUM NOx/PM RATIO OF AT LEAST 8 SHALL BE MAINTAINED WITH A PREFERENCE OF 20 OR HIGHER.
[RULE 1470]

16. THE OPERATOR SHALL USE 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, 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.
[RULE 1470]

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Permit No. G14970
A/N 514355

Equipment Description:

(Located at Weyburn Terrace)

INTERNAL COMBUSTION ENGINE, MTU DETROIT DIESEL, 12 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. 12V1600G70S, 822 BHP, DIESEL-FUELED, EQUIPPED WITH A DIESEL PARTICULATE FILTER, JOHNSON-MATTHEY, MODEL NO. CRT(+), 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]

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

3. THIS ENGINE SHALL NOT OPERATE 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 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

4. AN OPERATIONAL NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

5. 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 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

6. AN ENGINE OPERATING LOG SHALL BE KEPT AND SHALL DOCUMENT 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).

IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TIME METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION.
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

A. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND
B. THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.

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)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

9. 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 1470]

10. THIS ENGINE SHALL OPERATE AT THE LOAD LEVEL REQUIRED TO ACHIEVE A MINIMUM EXHAUST TEMPERATURE (FOR FILTER REGENERATION) OF 465 DEGREES FAHRENHEIT FOR A MINIMUM OF 40 PERCENT OF TOTAL OPERATION TIME.
[RULE 1470]

11. REGENERATION OF THE CATALYST SHALL BE PERFORMED AFTER 24 COLD START-UPS WITH 30-MINUTE IDLE SESSIONS.
[RULE 1470]

12. THE OPERATOR SHALL INSPECT THE INTEGRITY OF THE FILTER AND CLEAN OR REPLACE SUCH FILTER EVERY 6 TO 12 MONTHS DEPENDING ON THE HOURS OF OPERATION MAINTENANCE PRACTICE, AND HOURS OF USE.
[RULE 1470]

13. THE OPERATOR SHALL RECORDS OF PARTICULATE FILTER INSPECTIONS, REPLACEMENTS, AND MANUAL REGENERATIONS. THE OPERATOR SHALL MAINTAIN THESE RECORDS FOR A MINIMUM OF TWO YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER UPON REQUEST.
[RULE 1470]

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14. THE ENGINE SHALL NOT OPERATE BELOW THE PASSIVE REGENERATION TEMPERATURE (465 DEGREES FAHRENHEIT) FOR A PERIOD GREATER THAN 720 CONSECUTIVE MINUTES.
[RULE 1470]

15. THE MINIMUM NOx/PM RATIO OF AT LEAST 8 SHALL BE MAINTAINED WITH A PREFERENCE OF 20 OR HIGHER.
[RULE 1470]

16. THE OPERATOR SHALL USE 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, 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.
[RULE 1470]

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UNIVERSITY OF CALIFORNIA, LOS ANGELES

Permit No. P/C
A/N 518257

Equipment Description:

(Located at Hedrick Hall)

INTERNAL COMBUSTION ENGINE, MTU DETROIT DIESEL, 12 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. 12V1600G70S, 822 BHP, DIESEL-FUELED, EQUIPPED WITH A DIESEL PARTICULATE FILTER, JOHNSON-MATTHEY, MODEL NO. CRT(+), 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]

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

3. THIS ENGINE SHALL NOT OPERATE 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 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

4. AN OPERATIONAL NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

5. 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 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

6. AN ENGINE OPERATING LOG SHALL BE KEPT AND SHALL DOCUMENT THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND SPECIFIC REASON FOR OPERATION AS:

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A. EMERGENCY USE.
B. MAINTENANCE AND TESTING.
C. OTHER (DESCRIBE THE REASON FOR OPERATING).

IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TIME METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION.
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

   A. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND
   B. THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.

   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)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

9. 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 1470]

10. THIS ENGINE SHALL OPERATE AT THE LOAD LEVEL REQUIRED TO ACHIEVE A MINIMUM EXHAUST TEMPERATURE (FOR FILTER REGENERATION) OF 465 DEGREES FAHRENHEIT FOR A MINIMUM OF 40 PERCENT OF TOTAL OPERATION TIME.
    [RULE 1470]

11. REGENERATION OF THE CATALYST SHALL BE PERFORMED AFTER 24 COLD START-UPS WITH 30-MINUTE IDLE SESSIONS.
    [RULE 1470]

12. THE OPERATOR SHALL INSPECT THE INTEGRITY OF THE FILTER AND CLEAN OR REPLACE SUCH FILTER EVERY 6 TO 12 MONTHS DEPENDING ON THE HOURS OF OPERATION MAINTENANCE PRACTICE, AND HOURS OF USE.
    [RULE 1470]

13. THE OPERATOR SHALL RECORDS OF PARTICULATE FILTER INSPECTIONS, REPLACEMENTS, AND MANUAL REGENERATIONS. THE OPERATOR SHALL MAINTAIN THESE RECORDS FOR A MINIMUM OF TWO YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER UPON REQUEST.
    [RULE 1470]

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14. THE ENGINE SHALL NOT OPERATE BELOW THE PASSIVE REGENERATION TEMPERATURE (465 DEGREES FAHRENHEIT) FOR A PERIOD GREATER THAN 720 CONSECUTIVE MINUTES. [RULE 1470]

15. THE MINIMUM NOx/PM RATIO OF AT LEAST 8 SHALL BE MAINTAINED WITH A PREFERENCE OF 20 OR HIGHER. [RULE 1470]

16. THE OPERATOR SHALL USE 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, 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. [RULE 1470]

17. THE EMISSIONS FROM THIS EQUIPMENT SHALL COMPLY WITH THE FOLLOWING LIMITS:

CONTAMINANT	EMISSION LIMIT (GM/BHP-HR)
NITROGEN OXIDES (NOx)	2.6
CARBON MONOXIDE (CO)	2.6
PARTICULATE MATTER (PM10)	0.01
VOLATILE ORGANIC COMPOUNDS (VOC)	0.3

[RULE 1470]

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

Permit No. P/C
A/N 514259

Equipment Description:

(Located at DeNeve)

INTERNAL COMBUSTION ENGINE, CATERPILLAR, 6 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. C15, 856 BHP, DIESEL-FUELED, EQUIPPED WITH A DIESEL PARTICULATE FILTER, JOHNSON-MATTHEY, MODEL NO. CRT(+), 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]

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

3. THIS ENGINE SHALL NOT OPERATE 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 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

4. AN OPERATIONAL NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

5. 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 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

6. AN ENGINE OPERATING LOG SHALL BE KEPT AND SHALL DOCUMENT 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).

IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TIME METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION.
[RULE 1303(b)(2)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

A. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND
B. THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.

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)-OFFSET, RULE 1304(a)-MODELING AND OFFSET, RULE 1470]

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

9. 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 1470]

10. THIS ENGINE SHALL OPERATE AT THE LOAD LEVEL REQUIRED TO ACHIEVE A MINIMUM EXHAUST TEMPERATURE (FOR FILTER REGENERATION) OF 465 DEGREES FAHRENHEIT FOR A MINIMUM OF 40 PERCENT OF TOTAL OPERATION TIME.
[RULE 1470]

11. REGENERATION OF THE CATALYST SHALL BE PERFORMED AFTER 24 COLD START-UPS WITH 30-MINUTE IDLE SESSIONS.
[RULE 1470]

12. THE OPERATOR SHALL INSPECT THE INTEGRITY OF THE FILTER AND CLEAN OR REPLACE SUCH FILTER EVERY 6 TO 12 MONTHS DEPENDING ON THE HOURS OF OPERATION MAINTENANCE PRACTICE, AND HOURS OF USE.
[RULE 1470]

13. THE OPERATOR SHALL RECORDS OF PARTICULATE FILTER INSPECTIONS, REPLACEMENTS, AND MANUAL REGENERATIONS. THE OPERATOR SHALL MAINTAIN THESE RECORDS FOR A MINIMUM OF TWO YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER UPON REQUEST.
[RULE 1470]

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14. THE ENGINE SHALL NOT OPERATE BELOW THE PASSIVE REGENERATION TEMPERATURE (465 DEGREES FAHRENHEIT) FOR A PERIOD GREATER THAN 720 CONSECUTIVE MINUTES.
[RULE 1470]

15. THE MINIMUM NOx/PM RATIO OF AT LEAST 8 SHALL BE MAINTAINED WITH A PREFERENCE OF 20 OR HIGHER.
[RULE 1470]

16. THE OPERATOR SHALL USE 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, 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.
[RULE 1470]

17. THE EMISSIONS FROM THIS EQUIPMENT SHALL COMPLY WITH THE FOLLOWING LIMITS:

CONTAMINANT	EMISSION LIMIT (GM/BHP-HR)
NITROGEN OXIDES (NOx)	2.6
CARBON MONOXIDE (CO)	2.6
PARTICULATE MATTER (PM10)	0.01
VOLATILE ORGANIC COMPOUNDS (VOC)	0.3

[RULE 1470]

~~FACILITY PERMIT TO OPERATE~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

Permit No. P/C
A/N 523954

Equipment Description:

(Located at Warren Hall)

BOILER, HURST, MODEL NO. S5-X-150-15, SERIAL NO. S750-15-48, FIRE TUBE, 5,850,000 BTU/HR, NATURAL GAS, EQUIPPED WITH A LOW NOX BURNER, POWER FLAME, MODEL NO. NP2-G-520, SERIAL NO. 071142219, AND A 5 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. THE BOILER SHALL BE FUELED WITH NATURAL GAS ONLY. THE BOILER SHALL OPERATE AT OR ABOVE THE MINIMUM LOAD OF 25%, EXCEPT DURING START-UPS AND SHUTDOWNS. THE CORRESPONDING MINIMUM FUEL FLOW RATE IS 1,434 SCF/HR.

4. 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.

5. THIS BOILER SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1146, INCLUDING THE SOURCE TESTING REQUIREMENTS OF RULE 1146(D)(6) AND (8).

6. THIS BOILER SHALL NOT EMIT MORE THAN 9 PPM OF OXIDES OF NITROGEN (NOX), CALCULATED AS NO2, AND NOT MORE THAN 50 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% OXYGEN AND AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES.

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

   A. SOURCE TESTING SHALL BE CONDUCTED WITHIN 60 DAYS AFTER INITIAL START-UP UNLESS OTHERWISE APPROVED IN WRITING BY THE EXECUTIVE OFFICER.

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B. THE SOURCE TESTS SHALL BE PERFORMED TO VERIFY COMPLIANCE WITH THE NOX AND CO EMISSION LIMITS SPECIFIED IN CONDITION NO. 6.

C. THE TESTS SHALL BE CONDUCTED WHILE THE BOILER IS FIRING AT MAXIMUM, AVERAGE, AND MINIMUM FIRING RATES.

D. WRITTEN NOTICE OF THE SOURCE TESTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765) AT LEAST 10 DAYS PRIOR TO TESTING SO THAT AN OBSERVER MAY BE PRESENT.

E. TWO COMPLETE COPIES OF THE SOURCE TEST REPORTS SHALL BE SUBMITTED TO THE DISTRICT WITHIN 30 DAYS AFTER THE TEST. THE REPORT SHALL INCLUDE, BUT NOT BE LIMITED TO EMISSIONS RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE HEATER, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATING DATA SHALL ALSO BE INCLUDED FOR EACH FIRING RATE:

I. THE EXHAUST FLOW RATES, IN ACTUAL CUBIC FEET PER MINUTE (ACFM).
II. THE FIRING RATES, IN BTU PER HOUR.
III. THE EXHAUST TEMPERATURE, IN DEGREES FAHRENHEIT.
IV. THE OXYGEN CONTENT OF THE EXHAUST GASES, IN PERCENT.
V. THE FUEL FLOW RATE.

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.

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

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Permit No. P/C
A/N 524888

Equipment Description:

(Located at Sproul Landing)

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, 6 CYLINDER, TURBOCHARGED, AFTERCOOLED, MODEL NO. 6063-HV35, 635 BHP, DIESEL FUELED, EQUIPPED WITH A DIESEL PARTICULATE FILTER, JOHNSON-MATTHEY, MODEL NO. CRT(+), DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

Conditions:

Conditions 1 & 2 shall be standard conditions.

3. THIS ENGINE SHALL NOT OPERATE 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.

4. AN OPERATIONAL NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.

5. 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.

6. AN ENGINE OPERATING LOG SHALL BE KEPT AND SHALL DOCUMENT 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).

   IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TIME METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION.

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

   A. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND
   B. THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.

   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.

8. THIS OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 431.2 AND RULE 1470.

9. 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.

10. THIS ENGINE SHALL OPERATE AT THE LOAD LEVEL REQUIRED TO ACHIEVE A MINIMUM EXHAUST TEMPERATURE (FOR FILTER REGENERATION) OF 250 DEGREES C FOR A MINIMUM OF 40 PERCENT OF TOTAL OPERATION TIME.

11. REGENERATION OF THE CATALYST SHALL BE PERFORMED AFTER 24 COLD START-UPS WITH 30-MINUTE IDLE SESSIONS.

12. THE OPERATOR SHALL INSPECT THE INTEGRITY OF THE FILTER AND CLEAN OR REPLACE SUCH FILTER EVERY 6 TO 12 MONTHS DEPENDING ON THE HOURS OF OPERATION MAINTENANCE PRACTICE, AND HOURS OF USE.

13. THE OPERATOR SHALL RECORDS OF PARTICULATE FILTER INSPECTIONS, REPLACEMENTS, AND MANUAL REGENERATIONS. THE OPERATOR SHALL MAINTAIN THESE RECORDS FOR A MINIMUM OF TWO YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER UPON REQUEST.

14. THE MINIMUM NOx/PM RATIO OF AT LEAST 20 SHALL BE MAINTAINED WITH A PREFERENCE FOR A HIGHER RATIO.

15. THE OPERATOR SHALL USE CALIFORNIA DIESEL FUEL WITH LESS THAN OR EQUAL TO 15 PPM SULFUR.

16. THE EMISSIONS FROM THIS EQUIPMENT SHALL COMPLY WITH THE FOLLOWING LIMITS:

CONTAMINANT	EMISSION LIMIT (GM/BHP-HR)
NITROGEN OXIDES (NOx)	1.5
CARBON MONOXIDE (CO)	2.6
PATICULATE MATTER (PM10)	0.002
VOLATILE ORGANIC COMPOUNDS (VOC)	0.14

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UNIVERSITY OF CALIFORNIA, LOS ANGELES

Permit No. P/C
A/N 524885

Equipment Description:

(Located at Sproul Cove)

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, 6 CYLINDER, TURBOCHARGED, AFTERCOOLED, MODEL NO. 6063-HV35, 635 BHP, DIESEL FUELED, EQUIPPED WITH A DIESEL PARTICULATE FILTER, JOHNSON-MATTHEY, MODEL NO. CRT(+), DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

Conditions:

Conditions 1 & 2 shall be standard conditions.

3. THIS ENGINE SHALL NOT OPERATE 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.

4. AN OPERATIONAL NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.

5. 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.

6. AN ENGINE OPERATING LOG SHALL BE KEPT AND SHALL DOCUMENT 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).

   IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TIME METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION.

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

   A. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND

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B. THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.

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.

8. THIS OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 431.2 AND RULE 1470.

9. 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.

10. THIS ENGINE SHALL OPERATE AT THE LOAD LEVEL REQUIRED TO ACHIEVE A MINIMUM EXHAUST TEMPERATURE (FOR FILTER REGENERATION) OF 250 DEGREES C FOR A MINIMUM OF 40 PERCENT OF TOTAL OPERATION TIME.

11. REGENERATION OF THE CATALYST SHALL BE PERFORMED AFTER 24 COLD START-UPS WITH 30-MINUTE IDLE SESSIONS.

12. THE OPERATOR SHALL INSPECT THE INTEGRITY OF THE FILTER AND CLEAN OR REPLACE SUCH FILTER EVERY 6 TO 12 MONTHS DEPENDING ON THE HOURS OF OPERATION MAINTENANCE PRACTICE. AND HOURS OF USE.

13. THE OPERATOR SHALL RECORDS OF PARTICULATE FILTER INSPECTIONS, REPLACEMENTS, AND MANUAL REGENERATIONS. THE OPERATOR SHALL MAINTAIN THESE RECORDS FOR A MINIMUM OF TWO YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER UPON REQUEST.

14. THE MINIMUM NOx/PM RATIO OF AT LEAST 20 SHALL BE MAINTAINED WITH A PREFERENCE FOR A HIGHER RATIO.

15. THE OPERATOR SHALL USE CALIFORNIA DIESEL FUEL WITH LESS THAN OR EQUAL TO 15 PPM SULFUR.

16. THE EMISSIONS FROM THIS EQUIPMENT SHALL COMPLY WITH THE FOLLOWING LIMITS:

CONTAMINANT	EMISSION LIMIT (GM/BHP-HR)
NITROGEN OXIDES (NOx)	1.5
CARBON MONOXIDE (CO)	2.6
PATICULATE MATTER (PM10)	0.002
VOLATILE ORGANIC COMPOUNDS (VOC)	0.14

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UNIVERSITY OF CALIFORNIA, LOS ANGELES

Permit No. P/C
A/N 524890

Equipment Description:

(Located at Sproul Presidio)

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, 12 CYLINDER, TURBOCHARGED, AFTERCOOLED, MODEL NO. T1238A36, 2,328 BHP, DIESEL FUELED, EQUIPPED WITH A DIESEL PARTICULATE FILTER, JOHNSON-MATTHEY, MODEL NO. CRT(+), DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

Conditions:

Conditions 1 & 2 shall be standard conditions.

3. THIS ENGINE SHALL NOT OPERATE 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.

4. AN OPERATIONAL NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.

5. 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.

6. AN ENGINE OPERATING LOG SHALL BE KEPT AND SHALL DOCUMENT 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).

   IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TIME METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION.

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

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A. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND
B. THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.

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.

8. THIS OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 431.2 AND RULE 1470.

9. 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.

10. THIS ENGINE SHALL OPERATE AT THE LOAD LEVEL REQUIRED TO ACHIEVE A MINIMUM EXHAUST TEMPERATURE (FOR FILTER REGENERATION) OF 250 DEGREES C FOR A MINIMUM OF 40 PERCENT OF TOTAL OPERATION TIME.

11. REGENERATION OF THE CATALYST SHALL BE PERFORMED AFTER 24 COLD START-UPS WITH 30-MINUTE IDLE SESSIONS.

12. THE OPERATOR SHALL INSPECT THE INTEGRITY OF THE FILTER AND CLEAN OR REPLACE SUCH FILTER EVERY 6 TO 12 MONTHS DEPENDING ON THE HOURS OF OPERATION MAINTENANCE PRACTICE, AND HOURS OF USE.

13. THE OPERATOR SHALL RECORDS OF PARTICULATE FILTER INSPECTIONS, REPLACEMENTS, AND MANUAL REGENERATIONS. THE OPERATOR SHALL MAINTAIN THESE RECORDS FOR A MINIMUM OF TWO YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER UPON REQUEST.

14. THE MINIMUM NOx/PM RATIO OF AT LEAST 20 SHALL BE MAINTAINED WITH A PREFERENCE FOR A HIGHER RATIO.

15. THE OPERATOR SHALL USE CALIFORNIA DIESEL FUEL WITH LESS THAN OR EQUAL TO 15 PPM SULFUR.

16. THE EMISSIONS FROM THIS EQUIPMENT SHALL COMPLY WITH THE FOLLOWING LIMITS:

CONTAMINANT	EMISSION LIMIT (GM/BHP-HR)
NITROGEN OXIDES (NOx)	0.5
CARBON MONOXIDE (CO)	2.6
PATICULATE MATTER (PM10)	0.01
VOLATILE ORGANIC COMPOUNDS (VOC)	0.3

~~FACILITY PERMIT TO OPERATE~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

Permit No. P/C
A/N 525289

Equipment Description:

(Located at Wasserman)

INTERNAL COMBUSTION ENGINE, KOHLER, 6 CYLINDER, TURBOCHARGED, AFTERCOOLED, MODEL NO. D50016.1B65, 757 BHP, DIESEL FUELED, EQUIPPED WITH A DIESEL PARTICULATE FILTER, JOHNSON-MATTHEY, MODEL NO. CRT(+), DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

Conditions:

Conditions 1 & 2 shall be standard conditions.

3. THIS ENGINE SHALL NOT OPERATE 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.

4. AN OPERATIONAL NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.

5. 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.

6. AN ENGINE OPERATING LOG SHALL BE KEPT AND SHALL DOCUMENT 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).

   IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TIME METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION.

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

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A. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND
B. THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.

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.

8. THIS OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 431.2 AND RULE 1470.

9. 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.

10. THIS ENGINE SHALL OPERATE AT THE LOAD LEVEL REQUIRED TO ACHIEVE A MINIMUM EXHAUST TEMPERATURE (FOR FILTER REGENERATION) OF 250 DEGREES C FOR A MINIMUM OF 40 PERCENT OF TOTAL OPERATION TIME.

11. REGENERATION OF THE CATALYST SHALL BE PERFORMED AFTER 24 COLD START-UPS WITH 30-MINUTE IDLE SESSIONS.

12. THE OPERATOR SHALL INSPECT THE INTEGRITY OF THE FILTER AND CLEAN OR REPLACE SUCH FILTER EVERY 6 TO 12 MONTHS DEPENDING ON THE HOURS OF OPERATION MAINTENANCE PRACTICE, AND HOURS OF USE.

13. THE OPERATOR SHALL RECORDS OF PARTICULATE FILTER INSPECTIONS, REPLACEMENTS, AND MANUAL REGENERATIONS. THE OPERATOR SHALL MAINTAIN THESE RECORDS FOR A MINIMUM OF TWO YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER UPON REQUEST.

14. THE MINIMUM NOx/PM RATIO OF AT LEAST 20 SHALL BE MAINTAINED WITH A PREFERENCE FOR A HIGHER RATIO.

15. THE OPERATOR SHALL USE CALIFORNIA DIESEL FUEL WITH LESS THAN OR EQUAL TO 15 PPM SULFUR.

16. THE EMISSIONS FROM THIS EQUIPMENT SHALL COMPLY WITH THE FOLLOWING LIMITS:

CONTAMINANT	EMISSION LIMIT (GM/BHP-HR)
NITROGEN OXIDES (NOx)	2.6
CARBON MONOXIDE (CO)	2.6
PATICULATE MATTER (PM10)	0.01
VOLATILE ORGANIC COMPOUNDS (VOC)	0.3

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Permit No. P/C
A/N 527483

Equipment Description

MODIFICATION TO THE EXISTING BOILER DESCRIBED BY P/N D71162 BELOW,

BOILER, CLEAVER BROOKS, FIRETUBE TYPE, MODEL CB700-300, RATED AT 12,555,000 BTU PER HOUR, NATURAL GAS FIRED, WITH A CLEAVER BROOKS BURNER AND A FORCED FLUE GAS RECIRCULATION SYSTEM (LOCATED AT THE MEDICAL PLAZA)

BY THE REMOVAL OF THE EXISTING LOW NOX BURNER, CLEAVER BROOKS, AND THE ADDITION OF A NEW LOW NOX BURNER, POWER FLAME, MODEL NO. NVC8CBR-G-30, 12,000,000 BTU/HR

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. ON OR AFTER JANUARY 1, 2013, THIS BOILER SHALL NOT EMIT MORE THAN 9 PPM OF OXIDES OF NITROGEN (NOX), CALCULATED AS NO2, AND NOT MORE THAN 400 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% OXYGEN AND AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES.
[RULE 1146, RULE 1303(B)(2)-OFFSET]

4. THIS BOILER SHALL NOT BE OPERATED UNLESS THE FLUE GAS RECIRCULATION SYSTEM IS IN FULL OPERATION. THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN FULL USE WITHIN ONE MINUTE AFTER THE MAIN FLAME IS ESTABLISHED.
[RULE 1146, RULE 1303(B)(2)-OFFSET]

5. THIS BOILER SHALL BE FIRED EXCLUSIVELY ON NATURAL GAS.
[RULE 1146]

6. THIS BOILER SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1146, INCLUDING THE SOURCE TESTING REQUIREMENTS OF RULE 1146(D)(6) AND (8).
[RULE 1146]

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

   A. SOURCE TESTING SHALL BE CONDUCTED WITHIN 60 DAYS AFTER INITIAL START-UP UNLESS OTHERWISE APPROVED IN WRITING BY THE EXECUTIVE OFFICER.

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B. THE SOURCE TESTS SHALL BE PERFORMED TO VERIFY COMPLIANCE WITH THE NOX AND CO EMISSION LIMITS SPECIFIED IN CONDITION NO. 3.

C. THE TESTS SHALL BE CONDUCTED WHILE THE BOILER IS FIRING AT MAXIMUM, AVERAGE, AND MINIMUM FIRING RATES.

D. WRITTEN NOTICE OF THE SOURCE TESTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765) AT LEAST 10 DAYS PRIOR TO TESTING SO THAT AN OBSERVER MAY BE PRESENT.

E. TWO COMPLETE COPIES OF THE SOURCE TEST REPORTS SHALL BE SUBMITTED TO THE DISTRICT WITHIN 30 DAYS AFTER THE TEST. THE REPORT SHALL INCLUDE, BUT NOT BE LIMITED TO EMISSIONS RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE HEATER, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATING DATA SHALL ALSO BE INCLUDED FOR EACH FIRING RATE:

i. THE EXHAUST FLOW RATES, IN ACTUAL CUBIC FEET PER MINUTE (ACFM).
ii. THE FIRING RATES, IN BTU PER HOUR.
iii. THE EXHAUST TEMPERATURE, IN DEGREES FAHRENHEIT.
iv. THE OXYGEN CONTENT OF THE EXHAUST GASES, IN PERCENT.
v. THE FUEL FLOW RATE.

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.

G. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES PURSUANT TO RULE 217.
[RULE 1146, RULE 1303(B)(2)-OFFSET]

EMISSIONS AND REQUIREMENTS

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

NOX: 9 PPMV, RULE 1146
CO: 400 PPMV, RULE 1146
CO: 2,000 PPMV, RULE 407
PM: 0.1 GR/DSCF, RULE 409
[RULE 1146, RULE 407, RULE 409]

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Permit No. P/C
A/N 527493

Equipment Description

MODIFICATION TO THE EXISTING BOILER DESCRIBED BY P/N D71165 BELOW,

BOILER, CLEAVER BROOKS, FIRETUBE TYPE, MODEL CB700-300, RATED AT 12,555,000 BTU PER HOUR, NATURAL GAS FIRED, WITH A CLEAVER BROOKS BURNER AND A FORCED FLUE GAS RECIRCULATION SYSTEM (LOCATED AT THE MEDICAL PLAZA)

BY THE REMOVAL OF THE EXISTING LOW NOX BURNER, CLEAVER BROOKS, AND THE ADDITION OF A NEW LOW NOX BURNER, POWER FLAME, MODEL NO. NVC8CBR-G-30, 12,000,000 BTU/HR

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. ON OR AFTER JANUARY 1, 2013, THIS BOILER SHALL NOT EMIT MORE THAN 9 PPM OF OXIDES OF NITROGEN (NOX), CALCULATED AS NO2, AND NOT MORE THAN 400 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% OXYGEN AND AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES.
[RULE 1146, RULE 1303(B)(2)-OFFSET]

4. THIS BOILER SHALL NOT BE OPERATED UNLESS THE FLUE GAS RECIRCULATION SYSTEM IS IN FULL OPERATION. THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN FULL USE WITHIN ONE MINUTE AFTER THE MAIN FLAME IS ESTABLISHED.
[RULE 1146, RULE 1303(B)(2)-OFFSET]

5. THIS BOILER SHALL BE FIRED EXCLUSIVELY ON NATURAL GAS.
[RULE 1146]

6. THIS BOILER SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1146, INCLUDING THE SOURCE TESTING REQUIREMENTS OF RULE 1146(D)(6) AND (8).
[RULE 1146]

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

   A. SOURCE TESTING SHALL BE CONDUCTED WITHIN 60 DAYS AFTER INITIAL START-UP UNLESS OTHERWISE APPROVED IN WRITING BY THE EXECUTIVE OFFICER.

B. THE SOURCE TESTS SHALL BE PERFORMED TO VERIFY COMPLIANCE WITH THE NOX AND CO EMISSION LIMITS SPECIFIED IN CONDITION NO. 3.

C. THE TESTS SHALL BE CONDUCTED WHILE THE BOILER IS FIRING AT MAXIMUM, AVERAGE, AND MINIMUM FIRING RATES.

D. WRITTEN NOTICE OF THE SOURCE TESTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765) AT LEAST 10 DAYS PRIOR TO TESTING SO THAT AN OBSERVER MAY BE PRESENT.

E. TWO COMPLETE COPIES OF THE SOURCE TEST REPORTS SHALL BE SUBMITTED TO THE DISTRICT WITHIN 30 DAYS AFTER THE TEST. THE REPORT SHALL INCLUDE, BUT NOT BE LIMITED TO EMISSIONS RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE HEATER, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATING DATA SHALL ALSO BE INCLUDED FOR EACH FIRING RATE:

i. THE EXHAUST FLOW RATES, IN ACTUAL CUBIC FEET PER MINUTE (ACFM).
ii. THE FIRING RATES, IN BTU PER HOUR.
iii. THE EXHAUST TEMPERATURE, IN DEGREES FAHRENHEIT.
iv. THE OXYGEN CONTENT OF THE EXHAUST GASES, IN PERCENT.
v. THE FUEL FLOW RATE.

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.

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

[RULE 1146, RULE 1303(B)(2)-OFFSET]

EMISSIONS AND REQUIREMENTS

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

NOX: 9 PPMV, RULE 1146
CO: 400 PPMV, RULE 1146
CO: 2,000 PPMV, RULE 407
PM: 0.1 GR/DSCF, RULE 409
[RULE 1146, RULE 407, RULE 409]

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Permit No. P/C
A/N 534246

Equipment Description

ETHYLENE OXIDE GAS STERILIZER, ANPROLENE MODEL AN74ix, 1'-2" W. X 2'-5" L. X 2'-0" H. (INTERNAL DIMENSIONS), EQUIPPED WITH A 1.5 KW ELECTRICALLY HEATED CHAMBER, AND A 1.71 CFM EXHAUST BLOWER VENTED TO THE ETHYLENE OXIDE ABATEMENT SYSTEM ISSUED A PERMIT TO CONSTRUCT UNDER A/N 534248

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 OPERATE UNLESS IT IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND HAS BEEN ISSUED A PERMIT TO CONSTRUCT BY THE EXECUTIVE OFFICER.
[RULE 1405, RULE 1401, 17 CCR § 93108]

4. THE ETHYLENE OXIDE USAGE FOR THE STERILIZER SHALL NOT EXCEED 30 AMPOULES (EQUIVALENT TO 525 GRAMS OF ETHYLENE OXIDE) PER CALENDAR YEAR.
[RULE 1303(a) – BACT, RULE 1401, RULE 1405, 17 CCR § 93108]

5. THE OWNER OR OPERATOR SHALL MAINTAIN RECORDS FOR THE FOLLOWING:

   A. DOCUMENTATION AND RESULTS OF THE LEAK TESTS,

   B. THE NUMBER OF STERILIZER CYCLES AND THE AMOUNT OF ETHYLENE OXIDE USED PER CYCLE FOR THE STERILIZER EACH DAY. THE AMOUNT USED SHALL BE TOTALED FOR EACH MONTH.

   RECORDS SHALL BE KEPT FOR A PERIOD OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
   [RULE 1405, 17 CCR § 93108]

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Periodic Monitoring:

6. THE OWNER OR OPERATOR SHALL CONDUCT LEAK TESTS IN ACCORDANCE WITH ARB TEST METHOD 21 USING A PORTABLE FLAME IONIZATION DETECTOR OR A NON-DISPERSIVE INFRARED ANALYZER CALIBRATED WITH METHANE. THE MONITORING EQUIPMENT SHALL BE CALIBRATED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. THE MAXIMUM STERILANT GAS FLOW SHALL BE 10 PPM AS MEASURED ONE CENTIMENTER AWAY FROM ANY PORTION OF THE EXHAUST SYSTEM AND ETHYLENE OXIDE SUPPLY SYSTEM INCLUDING, BUT NOT LIMITED TO, ANY PIPING, DUCTING, FITTINGS, VALVES, OR FLANGES, THROUGH WHICH ETHYLENE OXIDE-CONTAMINATED AIR IS CONVEYED BETWEEN THE STERILIZER AND CONTROL DEVICE. LEAK TESTS SHALL BE CONDUCTED EVERY SIX MONTHS DURING CONDITIONS OF MAXIMUM STERILANT GAS MASS FLOW.
[RULE 1405, 17 CCR § 93108]

Emissions And Requirements:

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

ETHYLENE OXIDE: RULE 1405, SEE RULE FOR APPLICABLE REQUIREMENTS
ETHYLENE OXIDE: 17 CCR § 93108, SEE RULE FOR APPLICABLE REQUIREMENTS

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UNIVERSITY OF CALIFORNIA, LOS ANGELES

Permit No. P/C
A/N 534248

Equipment Description

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. ETHYLENE OXIDE ABATEMENT SYSTEM, ANPROLENE ABATOR, MODEL AN5100, DEPTH: 0'-9" HEIGHT: 1'-9"

2. DOWEX MONOSPHERE M-31 (H) REGENERATIVE ADSORBENT MATERIAL, 14.5 LBS.

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 CONTROL SYSTEM SHALL HAVE A MINIMUM CONTROL EFFICIENCY OF 99% FOR ETHYLENE OXIDE DURING THE STERIZATION PROCESS OR SHALL NOT EXCEED 0.1 PPM-ETHYLENE OXIDE AT THE OUTLET.
[RULE 1405, 17 CCR § 93108]

4. THE OWNER OR OPERATOR SHALL REMOVE AND REPLACE THE SPENT REACTANT MEDIA (OR CARTRIDGE) WITH FRESH REACTANT MEDIA (OR CARTRIDGE) AFTER EVERY 200 STERILIZATION CYCLES (EQUIVALENT TO 3,500 GRAMS OF ETHYLENE OXIDE OR 200 AMPOULES).

5. THE OWNER OR OPERATOR SHALL MAINTAIN RECORDS FOR THE FOLLOWING:

   A. DOCUMENTATION AND RESULTS OF THE LEAK TESTS,

   B. THE NUMBER OF STERILIZER CYCLES AND THE AMOUNT OF ETHYLENE OXIDE USED PER CYCLE FOR THE STERILIZER EACH DAY. THE AMOUNT USED SHALL BE TOTALED FOR EACH MONTH.

   C. DOCUMENTATION OF REACTANT MEDIA REPLACEMENT.

   RECORDS SHALL BE KEPT FOR A PERIOD OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
   [RULE 1405, 17 CCR § 93108]

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6. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT AN INITIAL SOURCE TEST, AND ANNUALLY THEREAFTER, ON THE CONTROL EQUIPMENT TO DEMONSTRATE COMPLIANCE WITH CONDITION NO. 3, UNDER THE FOLLOWING CONDITIONS:

   A. A SOURCE TEST PROTOCOL SHALL BE SUBMITTED TO THE DISTRICT ENGINEER IDENTIFIED ON THE PERMIT TO CONSTRUCT NO LATER THAN 30 DAYS BEFORE THE PROPOSED TEST DATE AND SHALL BE APPROVED BY THE DISTRICT BEFORE THE TEST COMMENCES.

   B. THE SOURCE TEST SHALL DETERMINE CONTROL EFFICIENCY FOR THE STERILIZATION PHASE IN ACCORDANCE WITH ARB TEST METHOD 431. THE TEST SHALL BE RUN UNDER CONDITIONS OF MAXIMUM ETHYLENE OXIDE MASS FLOW TO THE DEVICE, UNDER NORMAL OPERATING CONDITIONS.

   C. THE INLET AND OUTLET OF THE CONTROL DEVICE SHALL BE SAMPLED SIMULTANEOUSLY.

   D. THE SOURCE TEST SHALL DETERMINE THE FOLLOWING:

      1. THE ETHYLENE CONCENTRATION IN PPMV AND MASS EMISSION RATE IN POUNDS PER HOUR AT THE INLET AND OUTLET OF THE CONTROL DEVICE;

      2. FLOW RATES, AND

      3. ETHYLENE OXIDE USAGE RATES.

   E. 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.

7. THE TEST SHALL BE CONDUCTED WITHIN 60 DAYS OF INITIAL OPERATION AND A WRITTEN TEST REPORT SHALL BE SUBMITTED TO THE DISTRICT WITHIN 30 DAYS OF COMPLETION OF THE TEST. TWO COMPLETE COPIES OF SOURCE TEST REPORTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, ATTN: KENNETH L. COATS, PO BOX 4941, DIAMOND BAR, CA 91765-4178) WITHIN 45 DAYS AFTER THE TEST.

8. THE DISTRICT ENGINEER IDENTIFIED ON THE PERMIT TO CONSTRUCT SHALL BE NOTIFIED OF THE DATE AND TIME OF THE TEST AT LEAST 10 DAYS PRIOR TO THE TEST, OR WITHIN A TIMEFRAME AGREED UPON BY THE DISTRICT ENGINEER.

9. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217.

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Periodic Monitoring:

10. THE OWNER OR OPERATOR SHALL CONDUCT LEAK TESTS IN ACCORDANCE WITH ARB TEST METHOD 21 USING A PORTABLE FLAME IONIZATION DETECTOR OR A NON-DISPERSIVE INFRARED ANALYZER CALIBRATED WITH METHANE. THE MONITORING EQUIPMENT SHALL BE CALIBRATED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. THE MAXIMUM STERILANT GAS FLOW SHALL BE 10 PPM AS MEASURED ONE CENTIMENTER AWAY FROM ANY PORTION OF THE EXHAUST SYSTEM AND ETHYLENE OXIDE SUPPLY SYSTEM INCLUDING, BUT NOT LIMITED TO, ANY PIPING, DUCTING, FITTINGS, VALVES, OR FLANGES, THROUGH WHICH ETHYLENE OXIDE-CONTAMINATED AIR IS CONVEYED BETWEEN THE STERILIZER AND CONTROL DEVICE. LEAK TESTS SHALL BE CONDUCTED EVERY SIX MONTHS DURING CONDITIONS OF MAXIMUM STERILANT GAS MASS FLOW.
[RULE 1405, 17 CCR § 93108]

Emissions And Requirements:

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

ETHYLENE OXIDE: RULE 1405, SEE RULE FOR APPLICABLE REQUIREMENTS
ETHYLENE OXIDE: 17 CCR § 93108, SEE RULE FOR APPLICABLE REQUIREMENTS

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RULE 219 EQUIPMENT

Equipment Description:

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

Periodic Monitoring:

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

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

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

   [RULE 3004 (a)(4)]

Emissions And Requirements:

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

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

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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, HAND WIPING OPERATIONS.

Emissions And Requirements:

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

   VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

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RULE 219 EQUIPMENT

Equipment Description:

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

Emissions And Requirements:

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

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

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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, PRINTING EQUIPMENT

Emissions And Requirements:

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

   VOC: RULE 1130, SEE APPENDIX B FOR EMISSION LIMITS
   VOC: RULE 1130.1, SEE APPENDIX B FOR EMISSION LIMITS
   VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, PORTABLE PAVEMENT STRIPERS, ARCHITECTURAL COATINGS.

Periodic Monitoring:

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

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

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

   [RULE 3004 (a) (4)]

Emissions And Requirements:

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

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

~~FACILITY PERMIT TO OPERATE~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

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 REGULATION:

   CR^{+6}: RULE 1404

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, HALON FIRE EXTINGUISHING EQUIPMENT

Emissions And Requirements:

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

   HALON: RULE 1418

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, GLOVE-BOX, < 53 FT^3, WITH DUST FILTER.

Periodic Monitoring:

1. THE OPERATOR SHALL PERFORM AN ANNUAL 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)]

2. THE OPERATOR SHALL DISCHARGE DUST COLLECTED IN THIS EQUIPMENT ONLY INTO CLOSED CONTAINERS.
   [RULE 3004 (a)(4)]

3. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE ANNUAL PERIOD. THE ROUTINE ANNUAL 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, THE OPERATOR SHALL TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT.

   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; AND
   C. DATE AND TIME VISIBLE EMISSION WAS ABATED.
   [RULE 3004 (a)(4)]

Emissions And Requirements:

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

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 1140, SEE APPENDIX B FOR EMISSION LIMITS

~~FACILITY PERMIT TO OPERATE~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, REFRIGERATION UNITS

Emissions And Requirements:

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

   REFRIGERANT: RULE 1415
   REFRIGERANT: 40CFR 82 SUBPART F

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

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 SUBPART F

~~FACILITY PERMIT TO OPERATE~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

RULE 219 EQUIPMENT

Equipment Description:

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

Emissions And Requirements:

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

   VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS
   VOC: RULE 1107 , SEE APPENDIX B FOR EMISSION LIMITS
   VOC: RULE 1136 , SEE APPENDIX B FOR EMISSION LIMITS
   VOC: RULE 109

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, CHARBROILER.

Periodic Monitoring:

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

   A. DATE

   B. DAILY OPERATING HOURS

   C. DAILY AMOUNT OF MEAT COOKED (OR CASHIER'S RECEIPTS WHICH SHOW THE QUANTITY OF CHARBROILER PRODUCTS SOLD EACH DAY)

   [RULE 3004 (a)(4)]

Emissions And Requirements:

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

   PM: 0.1 GR/SCF, RULE 409
   PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

~~FACILITY PERMIT TO OPERATE~~
UNIVERSITY OF CALIFORNIA, LOS ANGELES

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, NEGATIVE AIR MACHINES.

Periodic Monitoring:

1. FOR EACH COMMERCIAL ABATEMENT PROJECT, THE NEGATIVE AIR MACHINE(S) EXHAUST SHALL BE LOCATED A MINIMUM OF 3 METERS (10 FEET) FROM THE NEAREST RECEPTOR (ANY LOCATION WHERE THE PUBLIC CAN BE EXPOSED TO ASBESTOS FIBER EMISSIONS) AND SHALL BE LOCATED AT LEAST 10 FEET ABOVE THE GROUND.
   [RULE 1403]

2. FOR EACH COMMERCIAL ABATEMENT PROJECT, LOCATED MORE THAN 3 METERS (10 FEET) BUT LESS THAN 30 METERS (98 FEET) FROM ANY RESIDENTIAL ZONING, THE NEGATIVE AIR MACHINE(S) SHALL NOT EXHAUST MORE THAN A COMBINED TOTAL OF 4.8 MILLION CUBIC FEET OF AIR (THE TOTAL RATED AIR FLOW OF ALL MACHINE(S) IN CUBIC FEET PER MINUTE MULTIPLIED BY THE TOTAL NUMBER OF WORKING HOURS INVOLVING ASBESTOS REMOVAL).
   [RULE 1403]

3. FOR EACH COMMERCIAL ABATEMENT PROJECT, LOCATED GREATER THAN OR EQUAL TO 30 METERS (98 FEET) FROM ANY RESIDENTIAL ZONING, THE NEGATIVE AIR MACHINE(S) SHALL NOT EXHAUST AIR IN WHICH THE COMBINED TOTAL AIR VOLUME (THE TOTAL RATED AIR FLOW OF ALL MACHINE(S) IN CUBIC FEET PER MINUTE MULTIPLIED BY THE TOTAL NUMBER OF WORKING HOURS INVOLVING ASBESTOS REMOVAL) WILL EXCEED THE AMOUNT SPECIFIED ON TABLE 1.
   [RULE 1403]

Emissions And Requirements:

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

   ASBESTOS: RULE 1403

FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA, LOS ANGELES

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT AND CONTROL ENCLOSURES USED ESCLUSIVELY FOR EDUCATIONAL PURPOSES.

Emissions And Requirements:

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

   VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS
   VOC: RULE 1107 , SEE APPENDIX B FOR EMISSION LIMITS
   VOC: RULE 1136 , SEE APPENDIX B FOR EMISSION LIMITS
   VOC: RULE 109

5/29/2012SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	PAGES 12	PAGE 1
ENGINEERING DIVISION	APPL. NO. 534246	DATE 5/26/2012
APPLICATION PROCESSING AND CALCULATIONS	PROCESSED BY KEN COATS	CHECKED BY

PERMIT TO CONSTRUCT

COMPANY NAME AND ADDRESS

University of California, Los Angeles
501 Westwood Plaza, 4th Floor
Box 951605
Los Angeles, CA 90095-1605
AQMD ID No. 800234

CONTACT: Mr. David Ott, Environmental Programs Manager (310) 794-5369

EQUIPMENT LOCATION

405 Hilgard
Los Angeles, CA 90095

EQUIPMENT DESCRIPTION

A/N 534246
ETHYLENE OXIDE GAS STERILIZER, ANPROLENE MODEL AN74ix, 1'-2" W. X 2'-5" L. X 2'-0" H. (INTERNAL DIMENSIONS), EQUIPPED WITH A 1.5 KW ELECTRICALLY HEATED CHAMBER, AND A 1.71 CFM EXHAUST BLOWER VENTED TO THE ETHYLENE OXIDE ABATEMENT SYSTEM ISSUED A PERMIT TO CONSTRUCT UNDER A/N 534248

A/N 534248
AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. ETHYLENE OXIDE ABATEMENT SYSTEM, ANPROLENE ABATOR, MODEL AN5100, 0'-9" D. X 1'-9" H.

2. DOWEX MONOSPHERE M-31 (H) REGENERATIVE ADSORBENT MATERIAL, 14.5 LBS.

BACKGROUND/SUMMARY

University of California Los Angeles (UCLA) is a Title V facility which does not participate in RECLAIM. The facility submitted applications to install a new ethylene oxide (C_2H_4O, or EtO) sterilizer and an associated air pollution control device. An application was also submitted to amend their Title V operating permit to include the new equipment. Table 1 summarizes the applications that were submitted by UCLA.

Table 1 Applications Submitted

A/N	Equipment	Deemed Complete	Processing Fees	XPP Fees	Total Fees
507981	Ethylene Oxide Sterlizer	5/19/2012	$2,123.92	1,061.96	$3,185.88
510122	Ethylene Oxide Adsorber/Abator	5/19/2012	$2,123.92	1,061.96	$3,185.88
507987	Title V Minor Permit Revision	5/19/2012	$873.58	N/A	$873.58
			TOTAL PROCESSING FEES		$7,245.34

COMPLIANCE REVIEW

A review of the compliance database indicates that a Notice of Violation (NOV) P57928 was issued to UCLA on 6/15/2011 for a violation which occurred on 1/1/2011for failure to conduct Quarterly CGA for Qtr 4- 2010 in a timely manner (a violation of permit condition: Section K, #8), and failure to report permit deviation/violation in a timely manner (on form 500-N). The database shows that the facility is in compliance as of 1/21/2011.

PROCESS DESCRIPTION

EtO Sterilizer

EtO is a chemical agent that disrupts the DNA of microorganisms and bacteria and prevents them from reproducing. At sea level, EtO is a liquid below 51°F. Above 51°F, EtO begins to boil and converts into the gaseous phase. EtO does not become an effective sterilant until it reaches 68°F. It is used to sterilize healthcare products such as: surgical instruments, electronics, medical apparatuses and other contaminated hospital supplies. EtO sterilization is used on equipment that cannot withstand the high temperature and moisture levels of steam sterilization. There are three processing phases to EtO sterilization:

1) **Pre-conditioning**: Product loads are brought to pre-defined heat and humid conditions to ensure that a repeatable sterilization process is achieved regardless of pre-processing load storage conditions.

2) **Sterilization**: Introduction of EtO exposure through process phases designed to assure sterility of the product loads.

3) **Aeration**: Used to accelerate the gassing out of exposed product loads and to contain and eliminate residual EtO emissions.

The two basic EtO sterilization methods are (1) the gas chamber method and (2) the bag or micro-dose method. The gas chamber method typically requires the flooding of a large space or chamber with several pounds of EtO. EtO is a gas at or above 68°F and is flammable, hazardous and is a known toxic compound. It is explosive from its lower explosive limit (LEL) of 3% up to and including the upper explosive limit (UEL) of 100%. Given these hazards, healthcare establishments are opting to use the bag or micro-dose sterilization method more frequently. This method is also preferred where only small quantities of instruments require sterilization.

UCLA is proposing to install the Anprolene® Model AN74ix EtO sterilizer which is a unit that exposes the instruments to be sterilized to all three processing phases, and allows for minimal EtO release into the atmosphere. The unit is designed to operate between 68°F and 91°F at a minimum relative humidity (RH) of 35%. Anprolene is a registered trade name for ethylene oxide that belongs to the manufacturer, Andersen Products, Inc. The An74ix uses the bag, or micro-dose sterilization method in which the instruments to be sterilized are wrapped in paper or other porous media and are subsequently placed in specialized plastic sterilization liner bags which contain a small ampoules, or capsule which holds the EtO. The plastic sterilization liner bag is then placed into the sterilizer unit. The unit then purges the air from the sterilization liner bag and the ampoule containing the EtO is then manually broken to release the EtO and begin the sterilization cycle. At the end of the cycle, the unit will automatically aerate itself and the instruments of the residual EtO. The sterilized instruments are ready for use and the plastic sterilization liner bag, wrapping media, and spent ampoule are then discarded. The bag or micro-dose sterilization method is particularly useful since plastic, latex, paper and rubber are porous media which enable EtO gas to diffuse through a series of such media and subsequently sterilize the instruments. Each sterilization cycle uses a maximum of 17.5g of EtO, substantially less than traditional chamber type sterilizers. UCLA has indicated that the sterilizer will be used up to a maximum of 30 cycles per year and 38 hours per cycle.

EtO Adsorber/Abator

The exhaust gas from the unit will be venting to an air pollution control device. UCLA is proposing to install the Anprolene Model AN-5100 abator which, through chemisorption (chemical adsorption) will capture and reduce 99% of the EtO emissions from the sterilizer/aerator. The abator uses a sealed cartridge which contains a layer of activated charcoal followed by a layer of ionic exchange resin. 100% of the EtO effluent from the sterilizer is routed though the abator cartridge where the adsorption takes place. Upon adsorption, the air is then exhausted through a hose to the atmosphere. The use of the cartridge results in considerable impedance to the sterilizer's exhaust . As such, the abator is

equipped with a booster pump. The booster pump significantly reduces the backpressure on the sterilizer's exhaust pumps, thereby extending their longevity. The booster pump is automatically activated when the sterilizer unit is turned on. The abator cartridge has a useful life of 200 cycles. The abator is equipped with an automatic counter which records the number of sterilization cycles performed since the cartridge was last changed. The counter displays a warning to replace the abator cartridge when it has fewer than 25 cycles remaining.

EMISSION CALCULATIONS

17.5 grams EtO/cycle * 1 lb/454 grams = 0385 lb/cycle

Parameter	Value	Unit
Operating Schedule	24	hrs/day
	7	days/wk
	52	wks/yr
	30	cycles/year
	38	hours/cycle
EtO Quantity Used	0.0385	lb/cycle
Anprolene AN-5100 Abator Efficiency	99	percent

R1 (lbs/year) = 0.0385 lb/cycle * 30 cycles/year = 1.155 lbs/year
R2 (lbs/year) = 1.155 lbs/year * (1-0.99) = 0.01155 lbs/year

R1 (lbs/month) = 1.155 lbs/year ÷ 12 months/year = 0.0962 lbs/month
R2 (lbs/month) = 0.0962 lbs/month * (1-0.99) = 0.000962 lbs/month

R1 (lbs/day) = 0.0962 lb/month ÷ 30 days/month = 0.00321 lbs/day
R2 (lbs/day) = 0.00321 lbs/day * (1-0.99) = 0.0000321 lbs/day

R1 (lb/hr) = 0.00321 lb/day ÷ 24 hr/day = 0.000134 lb/hr
R2 (lb/hr) =0.000134 lb/hr * (1-0.99) = 0.00000134lb/hr

RULES EVALUATION

RULE 212-STANDARDS FOR APPROVING PERMITS AND ISSUING PUBLIC NOTICES

Rule 212 requires that a person shall not build, erect, install, alter, or replace any equipment, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants without first obtaining written authorization for such

construction from the Executive Officer. Rule 212(c) states that a project requires written notification if there is an emission increase for ANY criteria pollutant in excess of the daily maximums specified in Rule 212(g), if the equipment is located within 1,000 feet of the outer boundary of a school, or if the MICR is equal to or greater than one in a million ($1x10^{-6}$) during a lifetime (70 years) for facilities with more than one permitted unit, source under Regulation XX, or equipment under Regulation XXX, unless the applicant demonstrates to the satisfaction of the Executive Officer that the total facility-wide maximum individual cancer risk is below ten in a million ($10x10^{-6}$) using the risk assessment procedures and toxic air contaminants specified under Rule 1402; or, ten in a million ($10x10^{-6}$) during a lifetime (70 years) for facilities with a single permitted unit, source under Regulation XX, or equipment under Regulation XXX.

FACILITY / EQUIPMENT AND SCHOOL LOCATIONS

There are no K-12 schools located within 1000 feet of where this EtO sterilizer and abator will be located; therefore, a public notice is not required for section (c)(1).

DAILY EMISSIONS

The daily emissions from this project do not exceed the daily thresholds of Rule 212(g) for ROG; therefore, a public notice is not required for section (c)(2).

MAXIMUM INDIVIDUAL CANCER RISK (MICR)

The MICR is less than $1x10^{-6}$, as shown in the discussion under the Regulation XIV section; therefore, a public notice is not required for section (c)(3).

RULE 401 - VISIBLE EMISSIONS

This rule limits visible emissions to opacity of less than 20 percent (Ringlemann No.1), as published by the United States Bureau of Mines. The equipment at this site is not expected to emit any visible emissions. Therefore, compliance with this rule is expected with the proper operation of the equipment.

RULE 402 - NUISANCE

This rule requires that a person not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which cause, or have a natural tendency to cause injury or damage to business or property.

The odor threshold for EtO varies between 250 and 700 ppm. The National Institute for Occupational Safety and Health (NIOSH) has determined that the Immediately Dangerous to Life or Health (IDLH) level to be 800 ppm. However, the EtO exhaust concentration is expected to be 0.11 ppm as calculated below.

Concentration (ppm) = 10^6 x 0.0000000223 lbs/min x 385.44 scf/lb-mol – (1.71 scfm x 44.05 lb/lb-mol) = 0.11 ppm

Nuisance issues are not expected from properly operated equipment.

RULE 1303(a) – BACT

The Executive Officer shall deny the Permit to Construct for any new source which results in an emission increase of any non-attainment air contaminant, any ozone depleting compound, or ammonia unless the applicant can demonstrate that BACT is employed for the new source.

UCLA is a major source and therefore the BACT requirements for UCLA are satisfied through compliance with Federal LAER. However, the installation of the EtO sterilizer and the associated chemical adsorber/abator will result in an increase of less than 0.5 pound per day, which does not trigger BACT.

RULE 1303(b)(1) – MODELING

Modeling is not required for ROG emissions.

RULE 1303(b)(2) – OFFSETS

The ROG emissions from the new sterilizer are less than 0.5 lbs/day as shown in the calculations section; therefore, the requirements for offsets are not triggered.

RULE 1401 – NEW SOURCE REVIEW OF TOXIC AIR CONTAMINANTS

This rule is applicable to applications deemed complete on or after June 1, 1990 and it imposes specific limits for maximum individual cancer risk (MICR), cancer burden, and non-cancer acute and chronic hazard indices from new permit units, relocations, or modifications to existing permit units which emit toxic air contaminants (TAC) listed in Table I of Rule 1401. The rule establishes allowable risks for permit units requiring new permit pursuant to Rules 201 or 203. The proposed equipment will result in an increase in TAC emissions, thus Rule 1401 applies to this project. The EtO emissions are below tier 1 screening levels. Therefore, this project will comply with the requirements of this rule.

RULE 1405 – CONTROL OF ETHYLENE OXIDE AND CHLOROFLUOROCARBON EMISSIONS FROM STERILIZATION OR FUMIGATION PROCESSES

This rule is applicable to persons that use ethylene oxide for sterilization or fumigation, or aerate products sterilized with ethylene oxide at another facility. The provisions of paragraph (d), "Requirements," of this rule do not apply to any person who uses less than or equal to four pounds of ethylene oxide per calendar year. UCLA will use the following amount of EtO in one calendar year:

EtO Used = 17.5 gm/cycle*1 lb/454 gm*30 cycles/year = 1.156 lb/year

Therefore the provisions of paragraph (d) – Requirements do not apply to this equipment. However, the recordkeeping requirements in subpart (e) below apply.

(e) UCLA shall maintain written records for a minimum of two years and shall make them available to the District upon request. Since this is a Title V facility, records shall be required for five years. The records shall include:

(1) Documentation and results of leak tests; and either

(2) The number of sterilizer cycles and the pounds of ethylene oxide (measured or calculated) used per cycle for each sterilizer each day; or

(3) The total amount of ethylene oxide purchased and used per calendar year, provided that monthly totals are also kept.

17 CCR §93108 – ETHYLENE OXIDE ATCM FOR STERILZERS AND AERATORS

The ATCM is divided into two parts; Part I for non-commercial sterilizers and aerators and commercial sterilizers and aerators using less than 2,000 pounds of ethylene oxide per 12 consecutive months and Part II for commercial sterilizers and aerators using 2,000 pounds or more of ethylene oxide per 12 consecutive months. UCLA will be using no more than 1.2 pounds per year of ethylene oxide; therefore, it is subject to the requirements of Part I of the ATCM.

(d) A written report must be furnished to the District on an annual basis or a report shall be maintained and made available to the District upon request. The report shall include one of the following:

(1) the number of sterilizer cycles and the pounds of ethylene oxide used per cycle for each sterilizer during the reporting period, as determined by a method approved by the District; or

(2) the total pounds of sterilant gas and the total pounds of ethylene oxide purchased, used, and returned in the previous calendar year, as determined by a method approved by the District.

(e)(1) The exhaust systems and EtO supply system including the sterilizer, aerator and control device shall be leak free.

(e)(2) UCLA will be using no more than 1.2 pounds of EtO per year; therefore, the sterilizer is subject to a control efficiency of 99 percent.

(g) If a reduction across the control device is demonstrated and the outlet concentration is less than 0.1 ppm, the facility shall be considered to be in compliance with subsection (e)(2).

(h) Source testing shall be conducted in accordance with ARB Method 431.

40 CFR 63 SUBPART O – EMISSION STANDARDS FOR ETHYLENE OXIDE STERILIZATION FACILITES

§63.360

a) As previously stated, UCLA will be using no more than 1.2 pounds of EtO per year; therefore, it is not subject to this NESHAPS requirement which only applies to facilities using more than one ton of EtO per year.

e) This subpart does not apply to ethylene oxide sterilization operations at stationary sources such as hospitals, doctors offices, clinics, or other facilities whose primary purpose is to provide medical services to humans or animals.

REGULATION XXX – TITLE V PERMITS

UCLA is a Title V facility and the proposed De Minimis Permit Revision is subject to a 45-day EPA review and comment period.

RECOMMENDATION(S)

Issue a new Section D with the following permit conditions for the units.

PERMIT CONDITIONS

A/N 534246 – EtO Sterilizer

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 OPERATE UNLESS IT IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND HAS BEEN ISSUED A PERMIT TO CONSTRUCT BY THE EXECUTIVE OFFICER. [RULE 1405, RULE 1401, 17 CCR § 93108]

4. THE ETHYLENE OXIDE USAGE FOR THE STERILIZER SHALL NOT EXCEED 30 AMPOULES (EQUIVALENT TO 525 GRAMS OF ETHYLENE OXIDE) PER CALENDAR YEAR. [RULE 1303(a) – BACT, RULE 1401, RULE 1405, 17 CCR § 93108]

5. THE OWNER OR OPERATOR SHALL MAINTAIN RECORDS FOR THE FOLLOWING:

   A. DOCUMENTATION AND RESULTS OF THE LEAK TESTS,

   B. THE NUMBER OF STERILIZER CYCLES AND THE AMOUNT OF ETHYLENE OXIDE USED PER CYCLE FOR THE STERILIZER EACH DAY. THE AMOUNT USED SHALL BE TOTALED FOR EACH MONTH.

RECORDS SHALL BE KEPT FOR A PERIOD OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1405, 17 CCR § 93108]

Periodic Monitoring:

6. THE OWNER OR OPERATOR SHALL CONDUCT LEAK TESTS IN ACCORDANCE WITH ARB TEST METHOD 21 USING A PORTABLE FLAME IONIZATION DETECTOR OR A NON-DISPERSIVE INFRARED ANALYZER CALIBRATED WITH METHANE. THE MONITORING EQUIPMENT SHALL BE CALIBRATED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. THE MAXIMUM STERILANT GAS FLOW SHALL BE 10 PPM AS MEASURED ONE CENTIMENTER AWAY FROM ANY PORTION OF THE EXHAUST SYSTEM AND ETHYLENE OXIDE SUPPLY SYSTEM INCLUDING, BUT NOT LIMITED TO, ANY PIPING, DUCTING, FITTINGS, VALVES, OR FLANGES, THROUGH WHICH ETHYLENE OXIDE-CONTAMINATED AIR IS CONVEYED BETWEEN THE STERILIZER AND CONTROL DEVICE. LEAK TESTS SHALL BE CONDUCTED EVERY SIX MONTHS DURING CONDITIONS OF MAXIMUM STERILANT GAS MASS FLOW.
[RULE 1405, 17 CCR § 93108]

Emissions And Requirements:

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

ETHYLENE OXIDE: RULE 1405, SEE RULE FOR APPLICABLE REQUIREMENTS
ETHYLENE OXIDE: 17 CCR § 93108, SEE RULE FOR APPLICABLE REQUIREMENTS

A/N 534248 – Air Pollution Control Device

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 CONTROL SYSTEM SHALL HAVE A MINIMUM CONTROL EFFICIENCY OF 99% FOR ETHYLENE OXIDE DURING THE STERIZATION PROCESS OR SHALL NOT EXCEED 0.1 PPM-ETHYLENE OXIDE AT THE OUTLET. [RULE 1405, 17 CCR § 93108]

4. THE OWNER OR OPERATOR SHALL REMOVE AND REPLACE THE SPENT REACTANT MEDIA (OR CARTRIDGE) WITH FRESH REACTANT MEDIA (OR CARTRIDGE) AFTER EVERY 200 STERILIZATION CYCLES (EQUIVALENT TO 3,500 GRAMS OF ETHYLENE OXIDE OR 200 AMPOULES).

5. THE OWNER OR OPERATOR SHALL MAINTAIN RECORDS FOR THE FOLLOWING:

   A. DOCUMENTATION AND RESULTS OF THE LEAK TESTS,

   B. THE NUMBER OF STERILIZER CYCLES AND THE AMOUNT OF ETHYLENE OXIDE USED PER CYCLE FOR THE STERILIZER EACH DAY. THE AMOUNT USED SHALL BE TOTALED FOR EACH MONTH.

   C. DOCUMENTATION OF REACTANT MEDIA REPLACEMENT.

   RECORDS SHALL BE KEPT FOR A PERIOD OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. [RULE 1405, 17 CCR § 93108]

6. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT AN INITIAL SOURCE TEST, AND ANNUALLY THEREAFTER, ON THE CONTROL EQUIPMENT TO DEMONSTRATE COMPLIANCE WITH CONDITION NO. 3, UNDER THE FOLLOWING CONDITIONS:

A. A SOURCE TEST PROTOCOL SHALL BE SUBMITTED TO THE DISTRICT ENGINEER IDENTIFIED ON THE PERMIT TO CONSTRUCT NO LATER THAN 30 DAYS BEFORE THE PROPOSED TEST DATE AND SHALL BE APPROVED BY THE DISTRICT BEFORE THE TEST COMMENCES.

B. THE SOURCE TEST SHALL DETERMINE CONTROL EFFICIENCY FOR THE STERILIZATION PHASE IN ACCORDANCE WITH ARB TEST METHOD 431. THE TEST SHALL BE RUN UNDER CONDITIONS OF MAXIMUM ETHYLENE OXIDE MASS FLOW TO THE DEVICE, UNDER NORMAL OPERATING CONDITIONS.

C. THE INLET AND OUTLET OF THE CONTROL DEVICE SHALL BE SAMPLED SIMULTANEOUSLY.

D. THE SOURCE TEST SHALL DETERMINE THE FOLLOWING:

1. THE ETHYLENE CONCENTRATION IN PPMV AND MASS EMISSION RATE IN POUNDS PER HOUR AT THE INLET AND OUTLET OF THE CONTROL DEVICE;

2. FLOW RATES, AND

3. ETHYLENE OXIDE USAGE RATES.

E. 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.

7. THE TEST SHALL BE CONDUCTED WITHIN 60 DAYS OF INITIAL OPERATION AND A WRITTEN TEST REPORT SHALL BE SUBMITTED TO THE DISTRICT WITHIN 30 DAYS OF COMPLETION OF THE TEST. TWO COMPLETE COPIES OF SOURCE TEST REPORTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, ATTN: KENNETH L. COATS, PO BOX 4941, DIAMOND BAR, CA 91765-4178,) WITHIN 45 DAYS AFTER THE TEST.

8. THE DISTRICT ENGINEER IDENTIFIED ON THE PERMIT TO CONSTRUCT SHALL BE NOTIFIED OF THE DATE AND TIME OF THE TEST AT LEAST 10 DAYS PRIOR TO THE TEST, OR WITHIN A TIMEFRAME AGREED UPON BY THE DISTRICT ENGINEER.

9. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217.

Periodic Monitoring:

10. THE OWNER OR OPERATOR SHALL CONDUCT LEAK TESTS IN ACCORDANCE WITH ARB TEST METHOD 21 USING A PORTABLE FLAME IONIZATION DETECTOR OR A NON-DISPERSIVE INFRARED ANALYZER CALIBRATED WITH METHANE. THE MONITORING EQUIPMENT SHALL BE CALIBRATED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. THE MAXIMUM STERILANT GAS FLOW SHALL BE 10 PPM AS MEASURED ONE CENTIMENTER AWAY FROM ANY PORTION OF THE EXHAUST SYSTEM AND ETHYLENE OXIDE SUPPLY SYSTEM INCLUDING, BUT NOT LIMITED TO, ANY PIPING, DUCTING, FITTINGS, VALVES, OR FLANGES, THROUGH WHICH ETHYLENE OXIDE-CONTAMINATED AIR IS CONVEYED BETWEEN THE STERILIZER AND CONTROL DEVICE. LEAK TESTS SHALL BE CONDUCTED EVERY SIX MONTHS DURING CONDITIONS OF MAXIMUM STERILANT GAS MASS FLOW.
[RULE 1405, 17 CCR § 93108]

Emissions And Requirements:

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

ETHYLENE OXIDE: RULE 1405, SEE RULE FOR APPLICABLE REQUIREMENTS
ETHYLENE OXIDE: 17 CCR § 93108, SEE RULE FOR APPLICABLE REQUIREMENTS