



South Coast Air Quality Management District



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

March 21, 2014

Mr. John Welsh, Associate Vice President
University of Southern California, University Park
3434 South Grand Avenue, CDF
Los Angeles, CA 90095-1605

SUBJECT: University of Southern California, University Park (ID #800265) – Title V Permit Revision

Dear Mr. Welsh:

Please find attached the revised Title Page, Table of Contents, and Section D of your Title V Facility Permit. The revised sections reflect the approval of the significant permit revision requested in your Application No. 558395. The proposed permit revision was submitted to EPA for 45-day review on January 15, 2014. EPA's review period ended on March 2, 2014 and no comments were made. This permit revision includes the Permits to Operate for the following equipment:

A/N	Action	P/O No.	Equipment Description
558397	P/O	G30438	Emergency IC Engine

Please review the attached sections carefully. Insert the enclosed sections into your Title V Facility Permit and discard the earlier versions. Questions concerning changes to your permit should be directed to Mr. Kenneth L. Coats at (909) 396-2527.

Sincerely,

Andrew Lee, P.E.
Senior AQ Engineering Manager
Energy/Public Services/Waste Management/Terminals

AYL:CDT:JTY:KLC
Attachment

cc: AQMD Compliance
Gerardo Rios, EPA
Angel Burgos, USC



FACILITY PERMIT TO OPERATE

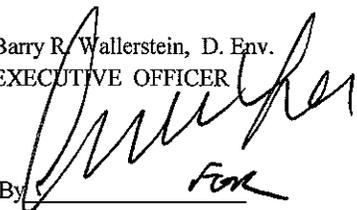
**UNIV OF SO CAL (EIS & NSR USE ONLY)
MCCLINTOCK W 34TH CHILDS ST
LOS ANGELES, CA 90089**

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.
EXECUTIVE OFFICER

By 
Mohsen Nazemi, P.E.
Deputy Executive Officer
Engineering & Compliance



**FACILITY PERMIT TO OPERATE
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**FACILITY PERMIT TO OPERATE
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**Facility Equipment and Requirements
(Section D)**

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



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PERMITTED EQUIPMENT LIST

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

Application Number	Permit Number	Equipment Description
167348	D07384	BOILER (5-20 MMBTU/HR) NATURAL GAS ONLY
167355	D02941	BOILER (5-20 MMBTU/HR) NATURAL GAS ONLY
242566	D41137	IC ENGINE (51-500 HP) EMERGENCY - DIESEL
242567	D41138	IC ENGINE (51-500 HP) EMERGENCY - DIESEL
242568	D41139	IC ENGINE (51-500 HP) EMERGENCY - DIESEL
242701	D43767	IC ENGINE (51-500 HP) EMERGENCY - DIESEL
242702	D41141	IC ENGINE (51-500 HP) EMERGENCY - GASOLINE
245682	D41156	IC ENGINE (51-500 HP) EMERGENCY - GASOLINE
245684	D41158	IC ENGINE (51-500 HP) EMERGENCY - GASOLINE
245685	D41159	IC ENGINE (51-500 HP) EMERGENCY - GASOLINE
245686	D69927	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
245687	D41161	IC ENGINE (51-500 HP) EMERGENCY - NATURAL GAS
245688	D41162	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
245689	D41163	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
246412	D41171	IC ENGINE (51-500 HP) EMERGENCY - GASOLINE
246413	D41172	IC ENGINE (51-500 HP) EMERGENCY - GASOLINE
246472	D41173	IC ENGINE (51-500 HP) EMERGENCY - NATURAL GAS
246473	D41174	IC ENGINE (51-500 HP) EMERGENCY - GASOLINE
249106	D43301	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
253691	D42674	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
255240	F29288	ACTIVATED CARBON ADSORBER DRUM VENT SINGLE SOURCE



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255241	F29289	SEMICONDUCTOR, INTEGRATED CIRCUIT MFG. (< 5 PCS.)
256897	D80002	SEMICONDUCTOR, PHOTORESIST (<5 PCS.)
256898	D80055	SEMICONDUCTOR, INTEGRATED CIRCUIT MFG. (5 OR MORE)
256899	D80056	SEMICONDUCTOR, INTEGRATED CIRCUIT MFG. (< 5 PCS.)
256900	D80003	SEMICONDUCTOR, SOLVENT CLEANING (<5 PCS.)
256901	D80057	SCRUBBER, OTHER VENTING SINGLE SOURCE
256902	D80004	ACTIVATED CARBON ADSORBER DRUM VENT SINGLE SOURCE
258513	D61007	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
277915	D69420	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
280309	D73125	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
280501	D73030	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - GASOLINE
293453	D83629	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
299660	D87576	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
307084	D94241	IC ENGINE (51-500 HP) EMERGENCY FIRE FIGHTING - DIESEL
307088	D94242	IC ENGINE (51-500 HP) EMERGENCY FIRE FIGHTING - DIESEL
307090	D94243	IC ENGINE (51-500 HP) EMERGENCY FIRE FIGHTING - DIESEL
307091	D94244	IC ENGINE (51-500 HP) EMERGENCY FIRE FIGHTING - DIESEL
310329	D95989	BOILER (5-20 MMBTU/HR) NATURAL GAS ONLY
310330	D95990	BOILER (5-20 MMBTU/HR) NATURAL GAS ONLY
310331	D95991	BOILER (5-20 MMBTU/HR) NATURAL GAS ONLY
310332	D95992	BOILER (5-20 MMBTU/HR) NATURAL GAS ONLY
327121	F29492	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - GASOLINE
327124	F6916	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - GASOLINE



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339018	F15565	BOILER (5-20 MMBTU/HR) NATURAL GAS ONLY
349932	F19438	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
355417	F41999	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
360955	F35415	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
363966	F23842	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN - DIESEL
370757	F35853	BOILER (5-20 MMBTU/HR) NATURAL GAS ONLY
376716	F35678	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
377343	F36257	IC ENGINE (51-500 HP) EMERGENCY FIRE FIGHTING - DIESEL
389036	F47137	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
402080	F52588	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
402082	F55987	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
402085	F52589	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
402086	F52590	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
402088	F52591	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
405128	F55042	BOILER (5-20 MMBTU/HR) NATURAL GAS ONLY
405130	F55044	BOILER (5-20 MMBTU/HR) NATURAL GAS ONLY
405131	F55045	BOILER (5-20 MMBTU/HR) NATURAL GAS ONLY
405132	F55046	BOILER (5-20 MMBTU/HR) NATURAL GAS ONLY
405133	F55047	BOILER (5-20 MMBTU/HR) NATURAL GAS ONLY
405134	F55048	BOILER (5-20 MMBTU/HR) NATURAL GAS ONLY
413081	F59440	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
419489	F66818	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL



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419513	F66023	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
420299	F63708	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN - DIESEL
423751	F65915	BOILER (5-20 MMBTU/HR) NATURAL GAS ONLY
427179	F67708	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN - DIESEL
445942	F81166	IC ENGINE (51-500 HP) EMERGENCY FIRE FIGHTING - DIESEL
445943	F87343	BOILER (5-20 MMBTU/HR) NATURAL GAS ONLY
445944	F87344	BOILER (5-20 MMBTU/HR) NATURAL GAS ONLY
447448	F81163	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
447449	F81160	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN - DIESEL
448032	F83686	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
448033	F83693	IC ENGINE (51-500 HP) EMERGENCY FIRE FIGHTING - DIESEL
451950	F83691	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN - DIESEL
451951	F83690	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN - DIESEL
451952	F83689	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN - DIESEL
452219	F83688	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
453207	F83687	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
431100	F80103	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
431101	F80104	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
439573	F76485	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL IC ENGINE (51
431097	F83538	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL IC ENGINE (51
431098	F83440	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
457249	F83441	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL



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431092	F83559	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
463789	F90250	IC ENGINE (51-500 HP) EMERGENCY FIRE FIGHTING - DIESEL
431094	F91130	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
474565	F94796	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN- - DIESEL
476129	F96681	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
498468	N24861	GASOLINE STORAGE AND DISPENSING EQUIPMENT
499651	G4572	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
502677	G6136	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN- - DIESEL
524254	Permit to Construct	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
524286	Permit to Construct	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
530919	Permit to Construct	BOILER, NATURAL GAS, 8.8 MMBTU/HR
530917	Permit to Construct	BOILER, NATURAL GAS, 12.8 MMBTU/HR
530924	Permit to Construct	BOILER, NATURAL GAS, 10.68 MMBTU/HR
530923	Permit to Construct	BOILER, NATURAL GAS, 14.7 MMBTU/HR
530921	Permit to Construct	BOILER, NATURAL GAS, 8.8 MMBTU/HR
530916	Permit to Construct	BOILER, NATURAL GAS, 12.8 MMBTU/HR
524292	Permit to Construct	BOILER, NATURAL GAS, 14.7 MMBTU/HR
528567	Permit to Construct	BOILER, NATURAL GAS, 14.7 MMBTU/HR
541094	G23381	BOILER, NATURAL GAS, 4.2 MMBTU/HR
541095	G23382	BOILER, NATURAL GAS, 4.2 MMBTU/HR
541098	G23383	BOILER, NATURAL GAS, 14.7 MMBTU/HR
541096	G23384	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
545901	G27804	BOILER, NATURAL GAS, 14.7 MMBTU/HR
545881	G27801	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
545882	G27803	IC ENGINE (>500 HP) EMERGENCY ELEC GEN - DIESEL
548692	G27800	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
558397	G30438	IC ENGINE (>500 BHP) EMERGENCY ELEC GEN - DIESEL



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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.



**FACILITY PERMIT TO OPERATE
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FACILITY WIDE CONDITION(S)

Condition(s):

1. EXCEPT FOR OPEN ABRASIVE BLASTING OPERATIONS, THE OPERATOR SHALL NOT DISCHARGE INTO THE ATMOSPHERE FROM ANY SINGLE SOURCE OF EMISSIONS WHATSOEVER ANY AIR CONTAMINANT FOR A PERIOD OR PERIODS AGGREGATING MORE THAN THREE MINUTES IN ANY ONE HOUR WHICH IS:
 - A. AS DARK OR DARKER IN SHADE AS THAT DESIGNATED NO. 1 ON THE RINGELMANN CHART, AS PUBLISHED BY THE UNITED STATES BUREAU OF MINES; OR
 - B. OF SUCH OPACITY AS TO OBSCURE AN OBSERVER'S VIEW TO A DEGREE EQUAL TO OR GREATER THAN DOES SMOKE DESCRIBED IN SUBPARAGRAPH (a) OF THIS CONDITION.
[RULE 401]
2. THE OPERATOR SHALL NOT 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 NATURAL GAS CONTAINING SULFUR COMPOUNDS, CALCULATED AS H₂S, IN EXCESS OF 16 PPMV. 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]



**FACILITY PERMIT TO OPERATE
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PERMIT TO OPERATE

**Permit No. D07384
A/N 167348**

Equipment Description:

BOILER, KEWANEE, FIRE TUBE TYPE, MODEL NO. L35-150-G02, SERIAL NO. P1852, 6,591,950 BTU PER HOUR, NATURAL GAS-FIRED, WITH A KEWANEE MODEL NO. KF-G02 BURNER.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS BOILER SHALL BE FIRED WITH NATURAL GAS ONLY.
[RULE 1146]

Emissions And Requirements:

4. 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
NOx: RULE 1146, SEE SEC. I FOR REQUIREMENTS
CO: RULE 1146, SEE SEC. I FOR REQUIREMENTS



**FACILITY PERMIT TO OPERATE
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PERMIT TO OPERATE

**Permit No. D02941
A/N 167355**

Equipment Description:

BOILER, KEWANEE, FIRE TUBE TYPE, MODEL NO. L3S-150 G02, SERIAL NO. P2036, 6,300,000 BTU PER HOUR, NATURAL GAS-FIRED, WITH A KEWANEE MODEL NO. KFG02 BURNER.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS BOILER SHALL BE FIRED WITH NATURAL GAS ONLY.
[RULE 1146]

Emissions And Requirements:

4. 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
NOx: RULE 1146, SEE SEC. I FOR REQUIREMENTS
CO: RULE 1146, SEE SEC. I FOR REQUIREMENTS



**FACILITY PERMIT TO OPERATE
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PERMIT TO OPERATE

**Permit No. D41137
A/N 242566**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL FUELED, EMERGENCY, MODEL NO. 3406, SERIAL NO. 90U12533, 6 CYLINDERS, FOUR CYCLE, TURBOCHARGED, 305 BHP, WITH 1 EXHAUST.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE IGNITION TIMING OF THE ENGINE SHALL BE INSPECTED, ADJUSTED, AND CERTIFIED AT A MINIMUM OF ONCE EVERY THREE YEARS OF OPERATION. INSPECTIONS, ADJUSTMENTS, AND CERTIFICATIONS MUST BE PERFORMED BY A QUALIFIED MECHANIC AND DONE IN ACCORDANCE WITH THE ENGINE MANUFACTURER'S SPECIFICATIONS AND PROCEDURES.
[RULE 1303(a)(1)-BACT]
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)-MODELING AND OFFSET, RULE 1470]
5. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]
6. 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]
7. 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]

Periodic Monitoring:

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



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Emissions And Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

PM: RULE 1470



**FACILITY PERMIT TO OPERATE
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PERMIT TO OPERATE

**Permit No. D41138
A/N 242567**

Equipment Description:

INTERNAL COMBUSTION ENGINE, ONAN, DIESEL FUELED, EMERGENCY, MODEL NO. DGEA-L/3043A, SERIAL NO. 1870928440, 6 CYLINDERS, FOUR CYCLE, TURBOCHARGED, 207 BHP, WITH 1 EXHAUST.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE IGNITION TIMING OF THE ENGINE SHALL BE INSPECTED, ADJUSTED, AND CERTIFIED AT A MINIMUM OF ONCE EVERY THREE YEARS OF OPERATION. INSPECTIONS, ADJUSTMENTS, AND CERTIFICATIONS MUST BE PERFORMED BY A QUALIFIED MECHANIC AND DONE IN ACCORDANCE WITH THE ENGINE MANUFACTURER'S SPECIFICATIONS AND PROCEDURES.
[RULE 1303(a)(1)-BACT]
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)-MODELING AND OFFSET, RULE 1470]
5. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]
6. 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]
7. 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]

Periodic Monitoring:

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



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Emissions And Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

PM: RULE 1470



**FACILITY PERMIT TO OPERATE
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PERMIT TO OPERATE

**Permit No. D41139
A/N 242568**

Equipment Description:

INTERNAL COMBUSTION ENGINE, GENERAC, DIESEL FUELED, EMERGENCY, MODEL NO. 87AO-1792-S, SERIAL NO. 837515, 6 CYLINDERS, FOUR CYCLE, TURBOCHARGED, AFTERCOOLED, 163 BHP, WITH 1 EXHAUST.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE IGNITION TIMING OF THE ENGINE SHALL BE INSPECTED, ADJUSTED, AND CERTIFIED AT A MINIMUM OF ONCE EVERY THREE YEARS OF OPERATION. INSPECTIONS, ADJUSTMENTS, AND CERTIFICATIONS MUST BE PERFORMED BY A QUALIFIED MECHANIC AND DONE IN ACCORDANCE WITH THE ENGINE MANUFACTURER'S SPECIFICATIONS AND PROCEDURES.
[RULE 1303(a)(1)-BACT]
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)-MODELING AND OFFSET, RULE 1470]
5. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]
6. 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]
7. 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]

Periodic Monitoring:

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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

Emissions And Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

PM: RULE 1470



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D43767
A/N 242701**

Equipment Description:

INTERNAL COMBUSTION ENGINE, KOHLER, DIESEL FUELED, EMERGENCY, MODEL NO. 50R0Z261, SERIAL NO. 203586, 4 CYLINDERS, FOUR CYCLE, TURBOCHARGED, 86 BHP, WITH 1 EXHAUST.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE IGNITION TIMING OF THE ENGINE SHALL BE INSPECTED, ADJUSTED, AND CERTIFIED AT A MINIMUM OF ONCE EVERY THREE YEARS OF OPERATION. INSPECTIONS, ADJUSTMENTS, AND CERTIFICATIONS MUST BE PERFORMED BY A QUALIFIED MECHANIC AND DONE IN ACCORDANCE WITH THE ENGINE MANUFACTURER'S SPECIFICATIONS AND PROCEDURES.
[RULE 1303(a)(1)-BACT]
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)-MODELING AND OFFSET, RULE 1470]
5. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]
6. 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]
7. 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]

Periodic Monitoring:

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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

Emissions And Requirements:

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

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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D41141
A/N 242702**

Equipment Description:

INTERNAL COMBUSTION ENGINE, WHITE, GASOLINE FUELED, EMERGENCY, MODEL NO. G3400, SERIAL NO. 147323, 8 CYLINDERS, FOUR CYCLE, NATURALLY ASPIRATED, 125 BHP, WITH 1 EXHAUST.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE IGNITION TIMING OF THE ENGINE SHALL BE INSPECTED, ADJUSTED, AND CERTIFIED AT A MINIMUM OF ONCE EVERY THREE YEARS OF OPERATION. INSPECTIONS, ADJUSTMENTS, AND CERTIFICATIONS MUST BE PERFORMED BY A QUALIFIED MECHANIC AND DONE IN ACCORDANCE WITH THE ENGINE MANUFACTURER'S SPECIFICATIONS AND PROCEDURES.
[RULE 1303(a)(1)-BACT]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR.
[RULE 1304(a)-MODELING AND OFFSET]

Periodic Monitoring:

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

Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D41156
A/N 245682**

Equipment Description:

INTERNAL COMBUSTION ENGINE, FORD, GASOLINE FUELED, EMERGENCY, MODEL NO. CSG64916005F, SERIAL NO. 05336 T3 TL, 6 CYLINDERS, FOUR CYCLE, NATURALLY ASPIRATED, 82 BHP, WITH 1 EXHAUST.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE IGNITION TIMING OF THE ENGINE SHALL BE INSPECTED, ADJUSTED, AND CERTIFIED AT A MINIMUM OF ONCE EVERY THREE YEARS OF OPERATION. INSPECTIONS, ADJUSTMENTS, AND CERTIFICATIONS MUST BE PERFORMED BY A QUALIFIED MECHANIC AND DONE IN ACCORDANCE WITH THE ENGINE MANUFACTURER'S SPECIFICATIONS AND PROCEDURES.
[RULE 1303(a)(1)-BACT]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR.
[RULE 1304(a)-MODELING AND OFFSET]

Periodic Monitoring:

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

Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D41158
A/N 245684**

Equipment Description:

INTERNAL COMBUSTION ENGINE, WHITE, GASOLINE FUELED, EMERGENCY, MODEL NO. G2300, SERIAL NO. WF3329494-G2300, 4 CYLINDERS, FOUR CYCLE, NATURALLY ASPIRATED, 69 BHP, WITH 1 EXHAUST.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE IGNITION TIMING OF THE ENGINE SHALL BE INSPECTED, ADJUSTED, AND CERTIFIED AT A MINIMUM OF ONCE EVERY THREE YEARS OF OPERATION. INSPECTIONS, ADJUSTMENTS, AND CERTIFICATIONS MUST BE PERFORMED BY A QUALIFIED MECHANIC AND DONE IN ACCORDANCE WITH THE ENGINE MANUFACTURER'S SPECIFICATIONS AND PROCEDURES.
[RULE 1303(a)(1)-BACT]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR.
[RULE 1304(a)-MODELING AND OFFSET]

Periodic Monitoring:

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

Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D41159
A/N 245685**

Equipment Description:

INTERNAL COMBUSTION ENGINE, FORD, GASOLINE FUELED, EMERGENCY, MODEL NO. CSG64916005F, SERIAL NO. 14112-H-11-TT, 6 CYLINDERS, FOUR CYCLE, NATURALLY ASPIRATED, 82 BHP, WITH 1 EXHAUST.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE IGNITION TIMING OF THE ENGINE SHALL BE INSPECTED, ADJUSTED, AND CERTIFIED AT A MINIMUM OF ONCE EVERY THREE YEARS OF OPERATION. INSPECTIONS, ADJUSTMENTS, AND CERTIFICATIONS MUST BE PERFORMED BY A QUALIFIED MECHANIC AND DONE IN ACCORDANCE WITH THE ENGINE MANUFACTURER'S SPECIFICATIONS AND PROCEDURES.
[RULE 1303(a)(1)-BACT]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR.
[RULE 1304(a)-MODELING AND OFFSET]

Periodic Monitoring:

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

Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D69927
A/N 245686**

Equipment Description:

INTERNAL COMBUSTION ENGINE, JOHN DEERE, MODEL NO. 4239T, SERIAL NO. 4239TF001, DIESEL FUELED, EMERGENCY ELECTRICAL GENERATION, TURBOCHARGED, AFTERCOOLED, FOUR CYLINDERS, 100 HP.

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)-MODELING AND OFFSET, 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)-MODELING AND OFFSET, 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)-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. 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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D41161
A/N 245687**

Equipment Description:

INTERNAL COMBUSTION ENGINE, FORD, NATURAL GAS FUELED, EMERGENCY, MODEL NO. C5PG-60050A, SERIAL NO. 07952L-16-HB, 6 CYLINDERS, FOUR CYCLE, NATURALLY ASPIRATED, 98 BHP, WITH 1 EXHAUST.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE IGNITION TIMING OF THE ENGINE SHALL BE INSPECTED, ADJUSTED, AND CERTIFIED AT A MINIMUM OF ONCE EVERY THREE YEARS OF OPERATION. INSPECTIONS, ADJUSTMENTS, AND CERTIFICATIONS MUST BE PERFORMED BY A QUALIFIED MECHANIC AND DONE IN ACCORDANCE WITH THE ENGINE MANUFACTURER'S SPECIFICATIONS AND PROCEDURES.
[RULE 1303(a)(1)-BACT]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR.
[RULE 1304(a)-MODELING AND OFFSET]

Periodic Monitoring:

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

Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

Permit No. D41162
A/N 245688

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, MODEL 6CTA-8.3, DIESEL FIRED, EMERGENCY ELECTRICAL GENERATION, TURBOCHARGED, AFTERCOOLED, SIX CYLINDERS, 277 HP.

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)-MODELING AND OFFSET, 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)-MODELING AND OFFSET, 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)-MODELING AND OFFSET, 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:

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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D41163
A/N 245689**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, MODEL NO. 4BT-3.9 G1, SERIAL NO. 44326897, DIESEL FIRED, EMERGENCY ELECTRICAL GENERATION, TURBOCHARGED, AFTERCOOLED, SIX CYLINDERS, 86 HP.

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)-MODELING AND OFFSET, 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)-MODELING AND OFFSET, 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)-MODELING AND OFFSET, 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:

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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D41171
A/N 246412**

Equipment Description:

INTERNAL COMBUSTION ENGINE, FORD, GASOLINE FUELED, EMERGENCY, MODEL NO. 240GF6005A, SERIAL NO. 5836 K-19-4A, 6 CYLINDERS, FOUR CYCLE, NATURALLY ASPIRATED, 80 BHP, WITH 1 EXHAUST.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE IGNITION TIMING OF THE ENGINE SHALL BE INSPECTED, ADJUSTED, AND CERTIFIED AT A MINIMUM OF ONCE EVERY THREE YEARS OF OPERATION. INSPECTIONS, ADJUSTMENTS, AND CERTIFICATIONS MUST BE PERFORMED BY A QUALIFIED MECHANIC AND DONE IN ACCORDANCE WITH THE ENGINE MANUFACTURER'S SPECIFICATIONS AND PROCEDURES.
[RULE 1303(a)(1)-BACT]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR.
[RULE 1304(a)-MODELING AND OFFSET]

Periodic Monitoring:

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

Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D41172
A/N 246413**

Equipment Description:

INTERNAL COMBUSTION ENGINE, FORD, GASOLINE FUELED, EMERGENCY, MODEL NO. 300GF-6005-A, SERIAL NO. 6894 B-20-H0, 6 CYLINDERS, FOUR CYCLE, NATURALLY ASPIRATED, 82 BHP, WITH 1 EXHAUST.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE IGNITION TIMING OF THE ENGINE SHALL BE INSPECTED, ADJUSTED, AND CERTIFIED AT A MINIMUM OF ONCE EVERY THREE YEARS OF OPERATION. INSPECTIONS, ADJUSTMENTS, AND CERTIFICATIONS MUST BE PERFORMED BY A QUALIFIED MECHANIC AND DONE IN ACCORDANCE WITH THE ENGINE MANUFACTURER'S SPECIFICATIONS AND PROCEDURES.
[RULE 1303(a)(1)-BACT]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR.
[RULE 1304(a)-MODELING AND OFFSET]

Periodic Monitoring:

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

Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D41173
A/N 246472**

Equipment Description:

INTERNAL COMBUSTION ENGINE, FORD, NATURAL GAS FUELED, EMERGENCY, MODEL NO. 300GF-6005-A, SERIAL NO. 33536 S-26-HH, 6 CYLINDERS, FOUR CYCLE, NATURALLY ASPIRATED, 82 BHP, WITH 1 EXHAUST.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE IGNITION TIMING OF THE ENGINE SHALL BE INSPECTED, ADJUSTED, AND CERTIFIED AT A MINIMUM OF ONCE EVERY THREE YEARS OF OPERATION. INSPECTIONS, ADJUSTMENTS, AND CERTIFICATIONS MUST BE PERFORMED BY A QUALIFIED MECHANIC AND DONE IN ACCORDANCE WITH THE ENGINE MANUFACTURER'S SPECIFICATIONS AND PROCEDURES.
[RULE 1303(a)(1)-BACT]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR.
[RULE 1304(a)-MODELING AND OFFSET]

Periodic Monitoring:

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

Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D41174
A/N 246473**

Equipment Description:

INTERNAL COMBUSTION ENGINE, FORD, GASOLINE FUELED, EMERGENCY, MODEL NO. 300GF-6005-A, SERIAL NO. 13187 A-4-HC, 6 CYLINDERS, FOUR CYCLE, NATURALLY ASPIRATED, 82 BHP, WITH 1 EXHAUST.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE IGNITION TIMING OF THE ENGINE SHALL BE INSPECTED, ADJUSTED, AND CERTIFIED AT A MINIMUM OF ONCE EVERY THREE YEARS OF OPERATION. INSPECTIONS, ADJUSTMENTS, AND CERTIFICATIONS MUST BE PERFORMED BY A QUALIFIED MECHANIC AND DONE IN ACCORDANCE WITH THE ENGINE MANUFACTURER'S SPECIFICATIONS AND PROCEDURES.
[RULE 1303(a)(1)-BACT]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR.
[RULE 1304(a)-MODELING AND OFFSET]

Periodic Monitoring:

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

Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE
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PERMIT TO OPERATE

**Permit No. D43301
A/N 249106**

Equipment Description:

INTERNAL COMBUSTION ENGINE, GENERAC, DIESEL FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 64DT, SERIAL NO. 73398, TURBOCHARGED, 6 CYLINDERS, FOUR CYCLE, 137 BHP, WITH 1 EXHAUST.

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 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)-MODELING AND OFFSET, RULE 1470]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 125 HOURS (CUMULATIVE) IN ANY ONE YEAR UNLESS ADDITIONAL HOURS ARE AUTHORIZED BY THE EXECUTIVE OFFICER. THIS EQUIPMENT MAY ONLY OPERATE DURING MAINTENANCE TESTING, PERFORMANCE TESTING, OR IN CASES OF EMERGENCY.
[RULE 1304(a)-MODELING AND OFFSET]
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)-MODELING AND OFFSET, RULE 1470]
6. THE UNCONTROLLED EMISSION RATE OF REACTIVE ORGANIC GASES SHALL NOT EXCEED 0.27 LB/HR; THE UNCONTROLLED EMISSION RATE OF OXIDES OF NITROGEN SHALL NOT EXCEED 2.2 LB/HR.
[RULE 1304(a)-MODELING AND OFFSET]
7. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE RETARDED AT A MINIMUM OF 4 DEGREES RELATIVE TO STANDARD TIMING.
[RULE 1303(a)(1)-BACT]
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.



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[RULE 1303(a)(1)-BACT]

9. OPERATING RECORDS OF THIS EQUIPMENT SHALL BE MAINTAINED IN A FORMAT APPROVED IN WRITING BY THE EXECUTIVE OFFICER. THE RECORDS SHALL INCLUDE, AT A MINIMUM, THE HOURS AND DAYS OF OPERATION AND THE QUANTITY OF FUEL USED. THE OPERATING RECORDS SHALL BE KEPT FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE UPON REQUEST OF DISTRICT PERSONNEL.
[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
ROG: 0.27 LB/HR, RULE 1304(a)-MODELING AND OFFSET
NOx: 2.2 LB/HR, RULE 1304(a)-MODELING AND OFFSET



FACILITY PERMIT TO OPERATE UNIV OF SO CAL (EIS & NSR USE ONLY)

PERMIT TO OPERATE

Permit No. D42674
A/N 253691

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3208/200, 8 CYLINDERS, FOUR CYCLE, TURBOCHARGED, AFTERCOOLED, 299 BHP, WITH 1 EXHAUST.

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 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)-MODELING AND OFFSET, RULE 1470]
4. THIS ENGINE IS LIMITED TO AN OPERATING SCHEDULE OF NO MORE THAN 125 HOURS (CUMULATIVE) IN ANY ONE CALENDAR YEAR UNLESS ADDITIONAL HOURS ARE AUTHORIZED BY THE EXECUTIVE OFFICER. THIS EQUIPMENT SHALL ONLY OPERATE DURING MAINTENANCE TESTING, PERFORMANCE TESTING, OR IN CASES OF EMERGENCY.
[RULE 1304(a)-MODELING AND OFFSET]
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)-MODELING AND OFFSET, RULE 1470]
6. THE UNCONTROLLED EMISSION RATE OF REACTIVE ORGANIC GASES SHALL NOT EXCEED 0.13 LB/HR; THE UNCONTROLLED EMISSION RATE OF OXIDES OF NITROGEN SHALL NOT EXCEED 3.9 LB/HR.
[RULE 1304(a)-MODELING AND OFFSET]
7. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE RETARDED AT A MINIMUM OF 4 DEGREES) RELATIVE TO STANDARD TIMING.
[RULE 1303(a)(1)-BACT]
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.



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[RULE 1303(a)(1)-BACT]

9. OPERATING RECORDS OF THIS EQUIPMENT SHALL BE MAINTAINED IN A FORMAT APPROVED IN WRITING BY THE EXECUTIVE OFFICER. THE RECORDS SHALL INCLUDE, AT A MINIMUM, THE HOURS AND DAYS OF OPERATION AND THE QUANTITY OF FUEL USED. THE OPERATING RECORDS SHALL BE KEPT FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE UPON REQUEST OF DISTRICT PERSONNEL.
[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
ROG: 0.13 LB/HR, RULE 1304(a)-MODELING AND OFFSET
NOx: 3.9 LB/HR, RULE 1304(a)-MODELING AND OFFSET



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F29288
A/N 255240**

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF :

1. CARBON ADSORBER, CALGON, 55 GALLON DRUM, WITH 150 POUNDS OF ACTIVATED CARBON.
2. EXHAUST SYSTEM VENTING ONE CVD REACTOR.

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 OUTLET CONCENTRATION SHALL BE CONTINUOUSLY MONITORED BY USING A HYDRIDE SENSOR.
[RULE 1401 AMENDED 8/13/99]
4. THE OUTLET CONCENTRATION OF THE PRIMARY ADSORBER SHALL NOT EXCEED 10 PPBV OF ARSINE AND PHOSPHINE.
[RULE 1401 AMENDED 8/13/99]
5. THE ADSORBENT SHALL BE REPLACED WHENEVER THE CONCENTRATION AT THE OUTLET OF THE CARBON ADSORBER EXCEEDS THE LEVEL IN CONDITION NO. 4.
[RULE 1401 AMENDED 8/13/99]
6. THE ACTIVATED CARBON USED IN THE CARBON ADSORBER SHALL HAVE A CTC NO. NOT LESS THAN 60% AS MEASURED BY ASTM METHOD D3467.
[RULE 1401 AMENDED 8/13/99]
7. SPENT CARBON REMOVED FROM THE SYSTEM SHALL BE STORED IN CLOSED CONTAINERS PRIOR TO DISPOSAL.
[RULE 1401 AMENDED 8/13/99]
8. RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITION NOS. 4 AND 5. THESE RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1401 AMENDED 8/13/99]



**FACILITY PERMIT TO OPERATE
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Emissions And Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F29289
A/N 255241**

Equipment Description:

CHEMICAL VAPOR DEPOSITION REACTOR, CUSTOM, RESEARCH TYPE, 7'-0" H. X 7'-0" W. X 3'-0" D.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A PERMIT TO OPERATE BY THE EXECUTIVE OFFICER.
[RULE 1401 AMENDED 8/13/99]
4. ONLY ARSINE AND PHOSPHINE SHALL BE USED AS PROCESS GASES IN THIS EQUIPMENT.
[RULE 1401 AMENDED 8/13/99]
5. THE TOTAL QUANTITY OF PROCESS GASES USED IN THIS EQUIPMENT SHALL NOT EXCEED 2.5 POUNDS IN ANY ONE MONTH.
[RULE 1401 AMENDED 8/13/99]
6. MATERIAL SAFETY DATA SHEETS FOR ALL PROCESS GASES USED IN THIS EQUIPMENT SHALL BE MAINTAINED ON FILE AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1401 AMENDED 8/13/99]
7. RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITION NOS. 4 AND 5. THESE RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1401 AMENDED 8/13/99]

Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE
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PERMIT TO OPERATE

**Permit No. D80002
A/N 256897**

Equipment Description:

SEMICONDUCTOR MANUFACTURING PHOTOLITHOGRAPHIC SYSTEM LOCATED IN THE CENTER FOR PHOTONIC TECHNOLOGY CONSISTING OF :

1. PHOTORESIST DEVELOPER, SOLITEC, MODEL NO. 5110-D, 2'-11" W. X 2'-7" L. x 3'-11" H.; WITH ONE SPINNER.
2. TWO PHOTORESIST COATERS, EACH HEADWAY RESEARCH, MODEL NO. SINGLEHEAD EC101, SERIAL NO. 70321, 0'-7" W. X 0'-10" L. X 0'-10" H.; WITH ONE SPINNER.
3. PHOTORESIST BAKE OVEN, BLUE M, MODEL NO. OV-12A, 1'-5" W. X 1'-5" L X 1'-10"H.
4. PHOTORESIST COATER AND DEVELOPER, HEADWAY RESEARCH, 0'-7" W. X 0'-10" L. X 0'-10" H.; WITH ONE SPINNER.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS THE PHOTORESIST COATERS, THE PHOTORESIST DEVELOPER, AND THE PHOTORESIST COATER/DEVELOPER ARE VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1164]
4. THE TOTAL AMOUNT OF MATERIALS USED IN THIS EQUIPMENT SHALL NOT EXCEED 2 GALLONS IN ANY ONE MONTH.
[RULE 1164, RULE 1303(b)(2)-OFFSET]

Emissions And Requirements:

5. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
VOC: RULE 1164
VOC: RULE 109
VOC: RULE 442



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**Permit No. D80055
A/N 256898**

Equipment Description:

SEMICONDUCTOR INTEGRATED CIRCUIT MANUFACTURING SYSTEM LOCATED IN THE CENTER FOR PHOTONIC TECHNOLOGY CONSISTING OF :

1. THREE PLASMA DEPOSITION/ETCHERS, EACH PLASMA TECHNOLOGY, MODEL NO. RIE 805, 1'-2"W. X 1'-4" L. X 1'-3" H.; WITH TWO VACUUM PUMPS, 4-H.P. TOTAL, 10 KW ELECTRICAL RATING.
2. REACTIVE ION ETCHER, TECHNICS, MODEL NO. RIBE 505, 6'-0" W. X 3'-0" L. X 4'-6" H.; WITH A VACUUM PUMP.
3. FOUR DIFFUSION FURNACES, EACH THERMCO, MODEL NO. MB-80, 2'-7" W. X 3'-4" L. X 1'-5" H.; 11 KW ELECTRICALLY HEATED.
4. SPUTTERING DEPOSITION REACTOR, SLOAN, MODEL NO. MAG10, 4'-8" W X 3'-0" L X 4'-1" H.; 36 KW ELECTRICAL RATING.
5. TWO ELECTRON BEAM EVAPORATORS, EACH LEYBOLD UNIVEX, MODEL NO. 450, 4'-2" W. X 2'-7" L. X 5'-11" H.; 14 KW ELECTRICAL RATING.
6. ANNEALING FURNACE, AG ASSOCIATES, MODEL NO. 410/610, 6'-0" W. X 2'-6" L.
7. TWO DIFFUSION FURNACES, EACH THERMCO, MODEL NO. MB-80, 2'-7" W. X 3'-4" L. X 1'-5" H.; 11 KW ELECTRICALLY HEATED.
8. ELECTRON BEAM EVAPORATOR, TEMESCAL, MODEL NO. BJD1800, SERIAL NO. 256, 2'-10" W. X 4'-8" L. X 4'-9" H.; WITH TWO VACUUM PUMPS, 4 H.P. TOTAL.

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]



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3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS THE THREE REACTIVE ION ETCHERS, TWO FURNACE SYSTEMS, THE SPUTTERER, TWO ELECTRON BEAM EVAPORATORS, TWO REACTIVE ION BEAM ETCHERS AND THE THERMAL ANNEALER ARE VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1164]

Emissions And Requirements:

4. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
VOC: RULE 1164
VOC: RULE 109
VOC: RULE 442



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PERMIT TO OPERATE

**Permit No. D80056
A/N 256899**

Equipment Description:

SEMICONDUCTOR WET CHEMICAL SYSTEM CONSISTING OF :

1. ACID AND/OR CAUSTIC WET BENCH, SANTA CLARA PLASTICS, USC #39, 8'-0" W. X 3'-1" L. X 5'-0" H.; 4 KVA ELECTRICALLY HEATED.
2. ACID AND/OR CAUSTIC WET BENCH, SANTA CLARA PLASTICS, USC #60, 8'-0" W. X 3'-1" L. X 5'-0" H.; 4 KVA ELECTRICALLY HEATED.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1164]

Emissions And Requirements:

4. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
VOC: RULE 1164
VOC: RULE 109
VOC: RULE 442



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PERMIT TO OPERATE

**Permit No. D80003
A/N 256900**

Equipment Description:

SEMICONDUCTOR MANUFACTURING SOLVENT CLEANING STATION, SANTA CLARA PLASTICS, 8'-0" W. X 3'-1" L. X 5'-0" H.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1164]

Emissions And Requirements:

4. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
VOC: RULE 1164
VOC: RULE 109
VOC: RULE 442



**FACILITY PERMIT TO OPERATE
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PERMIT TO OPERATE

**Permit No.D80057
A/N 256901**

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF :

1. SCRUBBER, VIRON INTERNATIONAL, MODEL NO. VHS-4848-FRP-10-48-1-D-460-3-60, 4'-0" W. X 11'-7" L. X 6'-1" H.
2. ACID NEUTRALIZATION AND MIXING TANK, 0'-42" W. X 0'-42" L. X 0'-42" D.; WITH A MIXER AND A SCRUBBER PUMP.
3. EXHAUST SYSTEM WITH A 15-HP BLOWER AND A 1-HP RECIRCULATING PUMP VENTING THREE REACTIVE ION ETCHERS, A FURNACE SYSTEM, A SPUTTERER, TWO ELECTRON BEAM EVAPORATORS, A THERMAL ANNEALER, A WET CHEMICAL SYSTEM, A CHEMICAL STORAGE ROOM, A GAS CYLINDER STORAGE ROOM, A GAS CYLINDER VAULT, AND A SERVICE YARD/MECHANICAL AREA.

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 SCRUBBER SYSTEM SHALL BE EQUIPPED WITH A pH METER AND A FLOW METER INDICATING GALLONS PER MINUTE FOR THE LIQUID SUPPLY LINE TO THE SCRUBBER.
[RULE 1303 (a)(1)-BACT]
4. SOLUTION TO THE ACID NEUTRALIZATION SYSTEM SHALL BE MAINTAINED AT pH 8 OR HIGHER.
[RULE 1303 (a)(1)-BACT]
5. NO LESS THAN 3.2 GALLONS PER MINUTE OF SCRUBBING SOLUTION SHALL BE SUPPLIED TO THE SCRUBBER WHEN THE EQUIPMENT IT SERVES IS IN OPERATION.
[RULE 1303 (a)(1)-BACT]

Periodic Monitoring:

6. THE OPERATOR SHALL DETERMINE AND RECORD THE pH OF THE SCRUBBING SOLUTION ONCE EVERY DAY.
[RULE 3004(a)(4)]



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7. THE OPERATOR SHALL DETERMINE AND RECORD THE FLOW RATE OF THE SCRUBBING SOLUTION ONCE EVERY DAY.
[RULE 3004(a)(4)]

Emissions And Requirements:

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



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PERMIT TO OPERATE

**Permit No.D80004
A/N 256902**

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF :

1. CARBON ADSORBER, FARR, MODEL NO. RIGA-SORB-25D, PANEL TYPE, EIGHT PANELS TOTAL, EACH THIRTEEN POUNDS.
2. EXHAUST SYSTEM WITH A 5-HP EXHAUST BLOWER VENTING A PHOTORESIST DEVELOPER, TWO PHOTORESIST COATERS, A PHOTORESIST COATER/DEVELOPER, AND A SOLVENT CLEANING BENCH.

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. RECORDS LISTING THE DATES OF CARBON BED REPLACEMENT AND THE TOTAL AMOUNT OF MATERIALS USED SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1164, RULE 109]

Emissions And Requirements:

4. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
VOC: RULE 1164
VOC: RULE 109



**FACILITY PERMIT TO OPERATE
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PERMIT TO OPERATE

**Permit No. D61007
A/N 258513**

Equipment Description:

INTERNAL COMBUSTION ENGINE, GENERAC, MODEL NO. 4.0 DT. SERIAL NO. 996979, DIESEL FIRED, EMERGENCY ELECTRICAL GENERATION, TURBOCHARGED, FOUR CYLINDERS, 99 HP.

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)-MODELING AND OFFSET, 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)-MODELING AND OFFSET, 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)-MODELING AND OFFSET, RULE 1470]
6. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT FOUR DEGREES RETARD RELATIVE TO STANDARD TIMING.
[RULE 1303(a)(1)-BACT]
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]



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UNIV OF SO CAL (EIS & NSR USE ONLY)**

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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D69420
A/N 277915**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 6CTA8.3-G, SERIAL NO. J920488888, TURBOCHARGED, AFTERCOOLED, SIX CYLINDERS, 277 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)-MODELING AND OFFSET, 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)-MODELING AND OFFSET, 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)-MODELING AND OFFSET, 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:

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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D73125
A/N 280309**

Equipment Description:

[located at Student Health Center (SHC)]

INTERNAL COMBUSTION ENGINE, CUMMINS, MODEL NO. 6BT-5.9G2, SERIAL NO. 44453975, SIX CYLINDERS, FOUR CYCLE, LEAN BURN, TURBOCHARGED, DIESEL FUELED, 166 HP, DRIVING AN EMERGENCY GENERATOR.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. A TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, 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)-MODELING AND OFFSET, RULE 1470]
5. EXCEPT FOR MAINTENANCE TESTING PURPOSES, THIS ENGINE SHALL ONLY OPERATE DURING UTILITY FAILURE PERIODS.
[RULE 1304(a)-MODELING AND OFFSET]
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)-MODELING AND OFFSET, 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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

[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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D73030
A/N 280501**

Equipment Description:

INTERNAL COMBUSTION ENGINE, FORD MODEL NO. CSG64916005F, SERIAL NO. 09821 K-17-TK, GASOLINE FUELED, EMERGENCY, ELECTRICAL GENERATOR DRIVER, LEAN BURN, NATURALLY ASPIRATED, 6 CYLINDERS, 82 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 INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET]
4. THE OPERATING TIME OF THIS ENGINE SHALL NOT EXCEED 200 HOURS IN ANY ONE YEAR.
[RULE 1304(a)-MODELING AND OFFSET]
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)-MODELING AND OFFSET]

Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D83629
A/N 293453**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, 6 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. 6CTA8.3-G, 277 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)-MODELING AND OFFSET, RULE 1470]
4. OPERATION OF THIS ENGINE FOR MAINTENANCE TESTING SHALL NOT EXCEED 0.5 HOUR A WEEK.
[RULE 1304(a)-MODELING AND OFFSET]
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)-MODELING AND OFFSET, 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)-MODELING AND OFFSET, 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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D87576
A/N 299660**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. LTA10-G1, TURBOCHARGED, AFTERCOOLED, SIX CYLINDERS, 380 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)-MODELING AND OFFSET, RULE 1470]
4. OPERATION OF THIS ENGINE FOR MAINTENANCE TESTING SHALL NOT EXCEED 0.5 HOUR A WEEK.
[RULE 1304(a)-MODELING AND OFFSET]
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)-MODELING AND OFFSET, 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)-MODELING AND OFFSET, 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:



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D94241
A/N 307084**

Equipment Description:

INTERNAL COMBUSTION ENGINE, EMERGENCY, CLARKE, DIESEL FUELED, MODEL NO. PDFP-L6YN, SERIAL NO. 118492F, FIRE PUMP, 6 CYLINDERS, NATURALLY ASPIRATED, 90 BHP, (SOUTH HOUSING COMPLEX).

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)-MODELING AND OFFSET, RULE 1470]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR.
[RULE 1304(a)-MODELING AND OFFSET]
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)-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. 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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D94242
A/N 307088**

Equipment Description:

INTERNAL COMBUSTION ENGINE, EMERGENCY, CLARKE, DIESEL FUELED, MODEL NO. PDFP-04YT, SERIAL NO. U663517Y, FIRE PUMP, 4 CYLINDERS, TURBOCHARGED, 80 BHP, (FLUOR 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. A TIMER SHALL BE INSTALLED AND MAINTAINED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR.
[RULE 1304(a)-MODELING AND OFFSET]
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)-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. 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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D94243
A/N 307090**

Equipment Description:

INTERNAL COMBUSTION ENGINE, EMERGENCY, CLARKE, DIESEL FUELED, MODEL NO. DDFP-03DT, SERIAL NO. 3D-300409, FIRE PUMP, 3 CYLINDERS, TURBOCHARGED, 130 BHP, (NORTH HOUSING COMPLEX).

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)-MODELING AND OFFSET, RULE 1470]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR.
[RULE 1304(a)-MODELING AND OFFSET]
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)-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. 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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D94244
A/N 307091**

Equipment Description:

INTERNAL COMBUSTION ENGINE, EMERGENCY, CLARKE, DIESEL FUELED, MODEL NO. PDFP-L6YN, SERIAL NO. U6D4427A, FIRE PUMP, 6 CYLINDERS, NATURALLY ASPIRATED, 90 BHP, (WEBB 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. A TIMER SHALL BE INSTALLED AND MAINTAINED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR.
[RULE 1304(a)-MODELING AND OFFSET]
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)-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. 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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D95989
A/N 310329**

Equipment Description:

BOILER, KEWANEE, MODEL NO. L3S-300G, SERIAL NO. R4584, RATED AT 12,800,000 BTU/HR, NATURAL GAS FIRED, WITH A 15 HP COMBUSTION AIR BLOWER, AN INDUSTRIAL COMBUSTION LOW NOX BURNER AND AN INDUCED DRAFT FLUE-GAS RECIRCULATION SYSTEM.

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 EMIT NO MORE THAN 30 PPM OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NO MORE THAN 400 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% O₂.
[RULE 1146, RULE 1303(b)(2)-OFFSET]
4. THIS BOILER SHALL BE FIRED ON NATURAL GAS ONLY.
[RULE 1146]
5. THIS BOILER SHALL COMPLY WITH RULE 1146.
[RULE 1146]
6. THIS BOILER SHALL NOT BE OPERATED UNLESS THE FLUE GAS RECIRCULATION SYSTEM IS IN FULL OPERATION.
[RULE 1146, RULE 1303(b)(2)-OFFSET]

Emissions And Requirements:

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

NO_x: 30 PPMV, RULE 1146
CO: 400 PPMV, RULE 1146
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D95990
A/N 310330**

Equipment Description:

BOILER, KEWANEE, MODEL NO. L3S-300G, SERIAL NO. R4740, RATED AT 12,800,000 BTU/HR, NATURAL GAS FIRED, WITH A 15 HP COMBUSTION AIR BLOWER, AN INDUSTRIAL COMBUSTION LOW NOX BURNER AND AN INDUCED DRAFT FLUE-GAS RECIRCULATION SYSTEM.

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 EMIT NO MORE THAN 30 PPM OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂ AND NO MORE THAN 400 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% O₂.
[RULE 1146, RULE 1303(b)(2)-OFFSET]
- 4) THIS BOILER SHALL BE FIRED ON NATURAL GAS ONLY.
[RULE 1146]
- 5) THIS BOILER SHALL COMPLY WITH RULE 1146.
[RULE 1146]
- 6) THIS BOILER SHALL NOT BE OPERATED UNLESS THE FLUE GAS RECIRCULATION SYSTEM IS IN FULL OPERATION.
[RULE 1146, RULE 1303(b)(2)-OFFSET]

Emissions And Requirements:

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

NO_x: 30 PPMV, RULE 1146
CO: 400 PPMV, RULE 1146
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D95991
A/N 310331**

Equipment Description:

BOILER, KEWANEE, MODEL NO. KX-85, SERIAL NO. N1223, RATED AT 8,800,000 BTU/HR, NATURAL GAS FIRED, WITH A COMBUSTION AIR BLOWER, AN INDUSTRIAL COMBUSTION LOW NOX BURNER AND AN INDUCED DRAFT FLUE GAS RECIRCULATION SYSTEM.

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 EMIT NO MORE THAN 30 PPM OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NO MORE THAN 400 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% O₂.
[RULE 1146, RULE 1303(b)(2)-OFFSET]
4. THIS BOILER SHALL BE FIRED ON NATURAL GAS ONLY.
[RULE 1146]
5. THIS BOILER SHALL COMPLY WITH RULE 1146.
[RULE 1146]
6. THIS BOILER SHALL NOT BE OPERATED UNLESS THE FLUE GAS RECIRCULATION SYSTEM IS IN FULL OPERATION.
[RULE 1146, RULE 1303(b)(2)-OFFSET]

Emissions And Requirements:

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

NO_x: 30 PPMV, RULE 1146
CO: 400 PPMV, RULE 1146
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

Permit No. D95992
A/N 310332

Equipment Description:

BOILER, KEWANEE, MODEL NO. KX-85, SERIAL NO. N1228, RATED AT 8,800,000 BTU/HR, NATURAL GAS FIRED, WITH A COMBUSTION AIR BLOWER, AN INDUSTRIAL COMBUSTION LOW NOX BURNER AND AN INDUCED DRAFT FLUE GAS RECIRCULATION SYSTEM.

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 EMIT NO MORE THAN 30 PPM OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NO MORE THAN 400 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% O₂.
[RULE 1146, RULE 1303(b)(2)-OFFSET]
4. THIS BOILER SHALL BE FIRED ON NATURAL GAS ONLY.
[RULE 1146]
5. THIS BOILER SHALL COMPLY WITH RULE 1146.
[RULE 1146]
6. THIS BOILER SHALL NOT BE OPERATED UNLESS THE FLUE GAS RECIRCULATION SYSTEM IS IN FULL OPERATION.
[RULE 1146, RULE 1303(b)(2)-OFFSET]

Emissions And Requirements:

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

NO_x: 30 PPMV, RULE 1146
CO: 400 PPMV, RULE 1146
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F29492
A/N 327121**

Equipment Description:

INTERNAL COMBUSTION ENGINE, FORD, GASOLINE FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. CSG64916005A71, SERIAL NO. 3091 B-19-RK, 6 CYLINDERS, FOUR CYCLE, 53 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 200 HOURS IN ANY ONE YEAR.
[RULE 1304(a)-MODELING AND OFFSET]
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]
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)-MODELING AND OFFSET]

Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F6916
A/N 327124**

Equipment Description:

INTERNAL COMBUSTION ENGINE, FORD, MODEL NO. CSG64916005A71, SERIAL NO. 3524 B-19-RK, 53 BHP, GASOLINE FIRED, FOUR CYCLE, 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 BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR.
[RULE 1304(a)-MODELING AND OFFSET]
4. A NON-RESETTABLE TIMER SHALL BE INSTALLED AND MAINTAINED TO MEASURE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET]
5. AN 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)-MODELING AND OFFSET]

Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F15565
A/N 339018**

Equipment Description:

BOILER, KEWANEE, FIRETUBE TYPE, MODEL NO. KR86-7, SERIAL NO. N-4003, RATED AT 10,680,000 BTU PER HOUR, NATURAL GAS FIRED, WITH ONE INDUSTRIAL COMBUSTION BURNER, MODEL NO. LNDG-145S, A 15 HP COMBUSTION AIR BLOWER AND AN INDUCED FLUE GAS RECIRCULATION SYSTEM.

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 EMIT NO MORE THAN 30 PPM OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NO MORE THAN 400 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% O₂.
[RULE 1146, RULE 1303(b)(2)-OFFSET]
4. THIS BOILER SHALL BE FIRED ON NATURAL GAS ONLY.
[RULE 1146]
5. THIS BOILER SHALL COMPLY WITH RULE 1146.
[RULE 1146]
6. THIS BOILER SHALL NOT BE OPERATED UNLESS THE FLUE GAS RECIRCULATION SYSTEM IS IN FULL OPERATION.
[RULE 1146, RULE 1303(b)(2)-OFFSET]

Emissions And Requirements:

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

NO_x: 30 PPMV, RULE 1146
CO: 400 PPMV, RULE 1146
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F19438
A/N 349932**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 6BTA5.9-G2, SERIAL NO. 45759713, TURBOCHARGED, AFTERCOOLED, SIX CYLINDERS, 166 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)-MODELING AND OFFSET, 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)-MODELING AND OFFSET, 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)-MODELING AND OFFSET, 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:

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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PM: RULE 1470



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F41999
A/N 355417**

Equipment Description:

INTERNAL COMBUSTION ENGINE, JOHN DEERE, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 6081T, SERIAL NO. RG6081T078304, TURBOCHARGED, SIX CYLINDERS, 112 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 200 HOURS IN ANY ONE YEAR.
[RULE 1304(a)-MODELING AND OFFSET]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4)-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 1304(a)-MODELING AND OFFSET, 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)-MODELING AND OFFSET, RULE 1470]
7. IN ADDITION TO MAINTENANCE AND PERFORMANCE TESTING, THIS ENGINE SHALL ONLY BE OPERATED DURING EMERGENCIES RESULTING IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING ANY STAGE II OR III ELECTRICAL EMERGENCY DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.
[RULE 1304(a)-MODELING AND OFFSET]
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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

[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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F35415
A/N 360955**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 4B3.9-G2, SERIAL NO. 45832181, NATURALLY ASPIRATED, FOUR CYLINDERS, FOUR CYCLE, 68 BHP, WITH A JOHNSON MATTHEY CATALYTIC CONVERTER, MODEL NO. JMFPECA.

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 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4)-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. 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(b)(2)-OFFSET, RULE 1470]
6. THE CATALYTIC CONVERTER TEMPERATURE AND EXHAUST OXYGEN CONCENTRATION SHALL BE MAINTAINED WITHIN THE EFFECTIVE OPERATING RANGE OF THE CATALYTIC CONVERTER AS SPECIFIED BY THE MANUFACTURER.
[RULE 1303(a)(1)-BACT]
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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

[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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

Permit No. F23842
A/N 363966

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, 12 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. 3412 DISTA (750 KW), SERIAL NO. 2WJ02574, 1109 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)-MODELING AND OFFSET, RULE 1470]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 119 HOURS IN ANY ONE YEAR.
[RULE 1304(a)-MODELING AND OFFSET]
5. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4)-MODELING AND OFFSET, 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)-MODELING AND OFFSET, 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:



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F35853
A/N 370757**

Equipment Description:

BOILER, KEWANEE, FIRE TUBE TYPE, MODEL NO. L3S-350-G02, SERIAL NO. 0-5758, RATED AT 14,700,000 BTU/HR., NATURAL GAS-FIRED, WITH ONE INDUSTRIAL COMBUSTION LOW NO_x BURNER, MODEL NO. LNDG-175-P-20, AND FLUE GAS RECIRCULATION.

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]
4. THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN FULL USE WHENEVER THE BOILER IS IN OPERATION.
[RULE 1146, RULE 1303(b)(2)-OFFSET]
5. THIS BOILER SHALL EMIT NO MORE THAN 20 PPM OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NO MORE THAN 400 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% O₂.
[RULE 1146, RULE 1303(b)(2)-OFFSET]
6. THE BURNER SHALL BE EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE COMBUSTION AIR, FUEL AND FGR AS THE BOILER LOAD VARIES. THIS AUTOMATIC CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED AT LEAST TWICE A YEAR ACCORDING TO MANUFACTURER'S SPECIFICATIONS TO ASSURE ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME FIRING RATE.
[RULE 1146, RULE 1303(b)(2)-OFFSET]
7. RECORDS OF SUCH ADJUSTMENTS, TUNE-UPS AND CALIBRATIONS AS STATED IN CONDITION NO. 6 SHALL BE KEPT FOR AT LEAST FIVE YEARS AND BE MADE AVAILABLE TO SCAQMD PERSONNEL UPON REQUEST.
[RULE 1303(b)(2)-OFFSET]

Emissions And Requirements:



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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

NOx: 30 PPM, RULE 1146
NOx: 20 PPM, RULE 1303(b)(2)-OFFSET
CO: 400 PPM, RULE 1146
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F35678
A/N 376716**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 4BT3.9-G3, SERIAL NO. 45882546, TURBOCHARGED, FOUR CYLINDERS, FOUR CYCLE, 86 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 20 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4)-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. 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)-MODELING AND OFFSET, 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:

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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F36257
A/N 377343**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CLARKE, DIESEL-FUELED, EMERGENCY FIRE PUMP DRIVER, MODEL NO. VMFP-04HN, SERIAL NO. 21B07908, NATURALLY ASPIRATED, FOUR CYLINDERS, FOUR CYCLE, 56 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 200 HOURS IN ANY ONE YEAR.
[RULE 1304(a)-MODELING AND OFFSET]
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. 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)-MODELING AND OFFSET, 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:

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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F47137
A/N 389036**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. LTA10-G1 (283 KW), SERIAL NO. 35032981, TURBOCHARGED, AFTERCOOLED, 6 CYLINDERS, 380 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 200 HOURS IN ANY ONE YEAR.
[RULE 1304(a)-MODELING AND OFFSET]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4)-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 1304(a)-MODELING AND OFFSET, 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)-MODELING AND OFFSET, RULE 1470]
7. IN ADDITION TO MAINTENANCE AND PERFORMANCE TESTING, THIS ENGINE SHALL ONLY BE OPERATED DURING EMERGENCIES RESULTING IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING ANY STAGE II OR III ELECTRICAL EMERGENCY DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.
[RULE 1304(a)-MODELING AND OFFSET]
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.



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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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F52588
A/N 402080**

Equipment Description:

[located at the Student Union (STU)]

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 4BT3.9-G4, SERIAL NO. 46165233, TURBOCHARGED, 4 CYLINDERS, FOUR CYCLE, 102 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 200 HOURS IN ANY ONE YEAR.
[RULE 1304(a)-MODELING AND OFFSET]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4)-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 1304(a)-MODELING AND OFFSET, 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)-MODELING AND OFFSET, RULE 1470]
7. IN ADDITION TO MAINTENANCE AND PERFORMANCE TESTING, THIS ENGINE SHALL ONLY BE OPERATED DURING EMERGENCIES RESULTING IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING ANY STAGE II OR III ELECTRICAL EMERGENCY DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.
[RULE 1304(a)-MODELING AND OFFSET]
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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

[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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F55987
A/N 402082**

Equipment Description:

[located at the Carson Television Center (CTV)]

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 4BT3.9-G4, SERIAL NO. 46167400, TURBOCHARGED, 4 CYLINDERS, FOUR CYCLE, 102 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 200 HOURS IN ANY ONE YEAR.
[RULE 1304(a)-MODELING AND OFFSET]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4)-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 1304(a)-MODELING AND OFFSET, 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)-MODELING AND OFFSET, RULE 1470]
7. IN ADDITION TO MAINTENANCE AND PERFORMANCE TESTING, THIS ENGINE SHALL ONLY BE OPERATED DURING EMERGENCIES RESULTING IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING ANY STAGE II OR III ELECTRICAL EMERGENCY DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.
[RULE 1304(a)-MODELING AND OFFSET]
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.



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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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F52589
A/N 402085**

Equipment Description:

[located at Biegler Hall of Engineering (BHE)]

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 4B3.9-G2, SERIAL NO. E020374214, NATURALLY ASPIRATED, 4 CYLINDERS, FOUR CYCLE, 68 BHP, EQUIPPED WITH A DIESEL CATALYST, JOHNSON MATTHEY, MODEL NO. JMFXP4.

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 200 HOURS IN ANY ONE YEAR.
[RULE 1304(a)-MODELING AND OFFSET]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4)-MODELING AND OFFSET, RULE 1470]
5. AN OPERATIONAL NON-RESETTING ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
6. IN ADDITION TO MAINTENANCE AND PERFORMANCE TESTING, THIS ENGINE SHALL ONLY BE OPERATED DURING EMERGENCIES RESULTING IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING ANY STAGE II OR III ELECTRICAL EMERGENCY DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.
[RULE 1304(a)-MODELING AND OFFSET]
7. THE DIESEL CATALYST SHALL BE INSPECTED ONCE EVERY CALENDAR YEAR AND CLEANED IF NECESSARY. IF CLEANING IS NECESSARY, ALL LOOSE SOOT DEPOSITS SHALL BE REMOVED AND THE CATALYST SHALL BE WASHED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
[RULE 1304(a)-MODELING AND OFFSET]
8. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME IN HOURS, THE REASON FOR OPERATION, AND THE DATE THE DIESEL CATALYST WAS INSPECTED AND/OR CLEANED SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.



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[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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F52590
A/N 402086**

Equipment Description:

[located at the Denney Research Building (DRB)]

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 4B3.9-G2, SERIAL NO. 46160391, NATURALLY ASPIRATED, 4 CYLINDERS, FOUR CYCLE, 68 BHP, EQUIPPED WITH A DIESEL CATALYST, JOHNSON MATTHEY, MODEL NO. JMFXPEC4.

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 200 HOURS IN ANY ONE YEAR.
[RULE 1304(a)-MODELING AND OFFSET]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4)-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 1304(a)-MODELING AND OFFSET, RULE 1470]
6. IN ADDITION TO MAINTENANCE AND PERFORMANCE TESTING, THIS ENGINE SHALL ONLY BE OPERATED DURING EMERGENCIES RESULTING IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING ANY STAGE II OR III ELECTRICAL EMERGENCY DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.
[RULE 1304(a)-MODELING AND OFFSET]
7. THE DIESEL CATALYST SHALL BE INSPECTED ONCE EVERY CALENDAR YEAR AND CLEANED IF NECESSARY. IF CLEANING IS NECESSARY, ALL LOOSE SOOT DEPOSITS SHALL BE REMOVED AND THE CATALYST SHALL BE WASHED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
[RULE 1304(a)-MODELING AND OFFSET]
8. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME IN HOURS, THE REASON FOR OPERATION, AND THE DATE THE DIESEL CATALYST WAS INSPECTED AND/OR CLEANED SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.



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[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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F52591
A/N 402088**

Equipment Description:

[located at the School of Accounting (ACC+BRI)]

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 4B3.9-G2, SERIAL NO. 46160321, NATURALLY ASPIRATED, 4 CYLINDERS, FOUR CYCLE, 68 BHP, EQUIPPED WITH A DIESEL CATALYST, JOHNSON MATTHEY, MODEL NO. JMFXP4.

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 200 HOURS IN ANY ONE YEAR.
[RULE 1304(a)-MODELING AND OFFSET]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304 (a)(4)-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 1304(a)-MODELING AND OFFSET, RULE 1470]
6. IN ADDITION TO MAINTENANCE AND PERFORMANCE TESTING, THIS ENGINE SHALL ONLY BE OPERATED DURING EMERGENCIES RESULTING IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING ANY STAGE II OR III ELECTRICAL EMERGENCY DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.
[RULE 1304(a)-MODELING AND OFFSET]
7. THE DIESEL CATALYST SHALL BE INSPECTED ONCE EVERY CALENDAR YEAR AND CLEANED IF NECESSARY. IF CLEANING IS NECESSARY, ALL LOOSE SOOT DEPOSITS SHALL BE REMOVED AND THE CATALYST SHALL BE WASHED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
[RULE 1304(a)-MODELING AND OFFSET]
8. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME IN HOURS, THE REASON FOR OPERATION, AND THE DATE THE DIESEL CATALYST WAS INSPECTED AND/OR CLEANED SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.



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[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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F55042
A/N 405128**

Equipment Description:

(located at the PHE)

BOILER, KEWANEE, FIRE TUBE TYPE, MODEL NO. L-35-350-GO2, SERIAL NO. 07396, RATED AT 14,700,000 BTU/HR., NATURAL GAS-FIRED, WITH ONE INDUSTRIAL COMBUSTION LOW NO_x BURNER, MODEL NO. LNDG-175P-20, SERIAL NO. 41779-1, EQUIPPED WITH A 20-HP COMBUSTION AIR BLOWER AND INDUCED DRAFT FLUE GAS RECIRCULATION SYSTEM.

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]
4. THIS BOILER SHALL EMIT NO MORE THAN 20 PPM OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NO MORE THAN 50 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% O₂.
[RULE 1303(b)(2)-OFFSET]
5. THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN FULL USE WHENEVER THIS BOILER IS IN OPERATION.
[RULE 1146, RULE 1303(b)(2)-OFFSET]
6. THE BURNER SHALL BE EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE COMBUSTION AIR, FUEL AND RECIRCULATED FLUE GAS AS THE BOILER LOAD VARIES. THIS AUTOMATIC CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED AT LEAST TWICE A YEAR ACCORDING TO MANUFACTURER'S SPECIFICATIONS TO ASSURE ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME FIRING RATE.
[RULE 1146, RULE 1303(b)(2)-OFFSET]
7. RECORDS OF SUCH ADJUSTMENTS, TUNE-UPS AND CALIBRATIONS AS STATED IN CONDITION NO. 6 SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303(b)(2)-OFFSET]



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

Emissions And Requirements:

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

NOx: 30 PPMV, RULE 1146
NOx: 20 PPMV, RULE 1303(b)(2)-OFFSET
CO: 400 PPMV, RULE 1146
CO: 50 PPMV, RULE 1303(b)(2)-OFFSET
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409



FACILITY PERMIT TO OPERATE UNIV OF SO CAL (EIS & NSR USE ONLY)

PERMIT TO OPERATE

Permit No. F55044
A/N 405130

Equipment Description:

(located at the GFS)

BOILER, KEWANEE, FIRE TUBE TYPE, MODEL NO. L-35-350-GO2, SERIAL NO. P9993, RATED AT 14,700,000 BTU/HR., NATURAL GAS-FIRED, WITH ONE INDUSTRIAL COMBUSTION LOW NO_x BURNER, MODEL NO. LNDG-175P-20, SERIAL NO. 41778-1, EQUIPPED WITH A 20-HP COMBUSTION AIR BLOWER AND INDUCED DRAFT FLUE GAS RECIRCULATION SYSTEM.

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]
4. THIS BOILER SHALL EMIT NO MORE THAN 20 PPM OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NO MORE THAN 50 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% O₂.
[RULE 1303(b)(2)-OFFSET]
5. THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN FULL USE WHENEVER THIS BOILER IS IN OPERATION.
[RULE 1146, RULE 1303(b)(2)-OFFSET]
6. THE BURNER SHALL BE EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE COMBUSTION AIR, FUEL AND RECIRCULATED FLUE GAS AS THE BOILER LOAD VARIES. THIS AUTOMATIC CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED AT LEAST TWICE A YEAR ACCORDING TO MANUFACTURER'S SPECIFICATIONS TO ASSURE ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME FIRING RATE.
[RULE 1146, RULE 1303(b)(2)-OFFSET]
7. RECORDS OF SUCH ADJUSTMENTS, TUNE-UPS AND CALIBRATIONS AS STATED IN CONDITION NO. 6 SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303(b)(2)-OFFSET]



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

Emissions And Requirements:

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

NOx: 30 PPMV, RULE 1146
NOx: 20 PPMV, RULE 1303(b)(2)-OFFSET
CO: 400 PPMV, RULE 1146
CO: 50 PPMV, RULE 1303(b)(2)-OFFSET
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F55045
A/N 405131**

Equipment Description:

(located at the GFS)

BOILER, KEWANEE, FIRE TUBE TYPE, MODEL NO. L-35-350-GO2, SERIAL NO. R0292, RATED AT 14,700,000 BTU/HR., NATURAL GAS-FIRED, WITH ONE INDUSTRIAL COMBUSTION LOW NO_x BURNER, MODEL NO. LNDG-175P-20, SERIAL NO. 41778-2, EQUIPPED WITH A 20-HP COMBUSTION AIR BLOWER AND INDUCED DRAFT FLUE GAS RECIRCULATION SYSTEM.

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]
4. THIS BOILER SHALL EMIT NO MORE THAN 20 PPM OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NO MORE THAN 50 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% O₂.
[RULE 1303(b)(2)-OFFSET]
5. THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN FULL USE WHENEVER THIS BOILER IS IN OPERATION.
[RULE 1146, RULE 1303(b)(2)-OFFSET]
6. THE BURNER SHALL BE EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE COMBUSTION AIR, FUEL AND RECIRCULATED FLUE GAS AS THE BOILER LOAD VARIES. THIS AUTOMATIC CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED AT LEAST TWICE A YEAR ACCORDING TO MANUFACTURER'S SPECIFICATIONS TO ASSURE ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME FIRING RATE.
[RULE 1146, RULE 1303(b)(2)-OFFSET]
7. RECORDS OF SUCH ADJUSTMENTS, TUNE-UPS AND CALIBRATIONS AS STATED IN CONDITION NO. 6 SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303(b)(2)-OFFSET]



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

Emissions And Requirements:

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

NOx: 30 PPMV, RULE 1146
NOx: 20 PPMV, RULE 1303(b)(2)-OFFSET
CO: 400 PPMV, RULE 1146
CO: 50 PPMV, RULE 1303(b)(2)-OFFSET
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F55046
A/N 405132**

Equipment Description:

(located at the WPH)

BOILER, KEWANEE, FIRE TUBE TYPE, MODEL NO. LS-250-GO2, SERIAL NO. 5512, RATED AT 10,500,000 BTU/HR., NATURAL GAS-FIRED, WITH ONE INDUSTRIAL COMBUSTION LOW NO_x BURNER, MODEL NO. LNDG-145S-20, SERIAL NO. 41777-1, EQUIPPED WITH A 15-HP COMBUSTION AIR BLOWER AND INDUCED DRAFT FLUE GAS RECIRCULATION SYSTEM.

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]
4. THIS BOILER SHALL EMIT NO MORE THAN 20 PPM OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NO MORE THAN 50 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% O₂.
[RULE 1303(b)(2)-OFFSET]
5. THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN FULL USE WHENEVER THIS BOILER IS IN OPERATION.
[RULE 1146, RULE 1303(b)(2)-OFFSET]
6. THE BURNER SHALL BE EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE COMBUSTION AIR, FUEL AND RECIRCULATED FLUE GAS AS THE BOILER LOAD VARIES. THIS AUTOMATIC CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED AT LEAST TWICE A YEAR ACCORDING TO MANUFACTURER'S SPECIFICATIONS TO ASSURE ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME FIRING RATE.
[RULE 1146, RULE 1303(b)(2)-OFFSET]
7. RECORDS OF SUCH ADJUSTMENTS, TUNE-UPS AND CALIBRATIONS AS STATED IN CONDITION NO. 6 SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303(b)(2)-OFFSET]



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

Emissions And Requirements:

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

NOx: 30 PPMV, RULE 1146
NOx: 20 PPMV, RULE 1303(b)(2)-OFFSET
CO: 400 PPMV, RULE 1146
CO: 50 PPMV, RULE 1303(b)(2)-OFFSET
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F55047
A/N 405133**

Equipment Description:

(located at the WPH)

BOILER, KEWANEE, FIRE TUBE TYPE, MODEL NO. LS-250-GO2, SERIAL NO. 5511, RATED AT 10,500,000 BTU/HR., NATURAL GAS-FIRED, WITH ONE INDUSTRIAL COMBUSTION LOW NO_x BURNER, MODEL NO. LNDG-145S-20, SERIAL NO. 41777-2, EQUIPPED WITH A 15-HP COMBUSTION AIR BLOWER AND INDUCED DRAFT FLUE GAS RECIRCULATION SYSTEM.

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]
4. THIS BOILER SHALL EMIT NO MORE THAN 20 PPM OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NO MORE THAN 50 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% O₂.
[RULE 1303(b)(2)-OFFSET]
5. THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN FULL USE WHENEVER THIS BOILER IS IN OPERATION.
[RULE 1146, RULE 1303(b)(2)-OFFSET]
6. THE BURNER SHALL BE EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE COMBUSTION AIR, FUEL AND RECIRCULATED FLUE GAS AS THE BOILER LOAD VARIES. THIS AUTOMATIC CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED AT LEAST TWICE A YEAR ACCORDING TO MANUFACTURER'S SPECIFICATIONS TO ASSURE ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME FIRING RATE.
[RULE 1146, RULE 1303(b)(2)-OFFSET]
7. RECORDS OF SUCH ADJUSTMENTS, TUNE-UPS AND CALIBRATIONS AS STATED IN CONDITION NO. 6 SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303(b)(2)-OFFSET]



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

Emissions And Requirements:

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

NOx: 30 PPMV, RULE 1146
NOx: 20 PPMV, RULE 1303(b)(2)-OFFSET
CO: 400 PPMV, RULE 1146
CO: 50 PPMV, RULE 1303(b)(2)-OFFSET
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F55048
A/N 405134**

Equipment Description:

(located at the HOH)

BOILER, KEWANEE, FIRE TUBE TYPE, SERIAL NO. N1225, RATED AT 10,500,000 BTU/HR., NATURAL GAS-FIRED, WITH ONE INDUSTRIAL COMBUSTION LOW NO_x BURNER, MODEL NO. LNDG-145S-20, SERIAL NO. 41776-1, EQUIPPED WITH A 15-HP COMBUSTION AIR BLOWER AND INDUCED DRAFT FLUE GAS RECIRCULATION SYSTEM.

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]
4. THIS BOILER SHALL EMIT NO MORE THAN 20 PPM OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NO MORE THAN 50 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% O₂.
[RULE 1303(b)(2)-OFFSET]
5. THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN FULL USE WHENEVER THIS BOILER IS IN OPERATION.
[RULE 1146, RULE 1303(b)(2)-OFFSET]
6. THE BURNER SHALL BE EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE COMBUSTION AIR, FUEL AND RECIRCULATED FLUE GAS AS THE BOILER LOAD VARIES. THIS AUTOMATIC CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED AT LEAST TWICE A YEAR ACCORDING TO MANUFACTURER'S SPECIFICATIONS TO ASSURE ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME FIRING RATE.
[RULE 1146, RULE 1303(b)(2)-OFFSET]
7. RECORDS OF SUCH ADJUSTMENTS, TUNE-UPS AND CALIBRATIONS AS STATED IN CONDITION NO. 6 SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303(b)(2)-OFFSET]



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

Emissions And Requirements:

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

NOx: 30 PPMV, RULE 1146
NOx: 20 PPMV, RULE 1303(b)(2)-OFFSET
CO: 400 PPMV, RULE 1146
CO: 50 PPMV, RULE 1303(b)(2)-OFFSET
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409



FACILITY PERMIT TO OPERATE UNIV OF SO CAL (EIS & NSR USE ONLY)

PERMIT TO OPERATE

Permit No. F59440
A/N 413081

Equipment Description:

(located at the Carole Little Building)

INTERNAL COMBUSTION ENGINE, CUMMINS, MODEL NO. 4BT3.3-G2, SERIAL NO. K020435655, DIESEL FUELED, EMERGENCY ELECTRICAL GENERATION, NATURALLY ASPIRATED, FOUR CYLINDERS, 82 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 INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, 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)-MODELING AND OFFSET, 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)-MODELING AND OFFSET, 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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F66818
A/N 419489**

Equipment Description:

INTERNAL COMBUSTION ENGINE, VOLVO, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, PORTABLE, MODEL NO. TAD1240GE, SERIAL NO. 2012329334, TURBOCHARGED, AFTERCOOLED, 6 CYLINDERS, FOUR CYCLE, 462 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. THE OPERATION OF THIS ENGINE BEYOND 50 HOURS PER YEAR FOR 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 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.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
6. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION OF THIS ENGINE. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE 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 DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1303(b)(2)-OFFSET, RULE 1470]
7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

[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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F66023
A/N 419513**

Equipment Description:

INTERNAL COMBUSTION ENGINE, VOLVO, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, PORTABLE, MODEL NO. TWD740GE, SERIAL NO. 2071146558, TURBOCHARGED, AFTERCOOLED, 6 CYLINDERS, FOUR CYCLE, 316 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-RESETTING ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
5. THE OPERATION OF THIS ENGINE BEYOND 50 HOURS PER YEAR FOR 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 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.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
6. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION OF THIS ENGINE. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE 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 DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1303(b)(2)-OFFSET, RULE 1470]
7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F63708
A/N 420299**

Equipment Description:

(located at the Molecular Biology Bldg.)

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3512B DITA, TURBOCHARGED, AFTERCOOLED, 12 CYLINDERS, FOUR CYCLE, 2155 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 30 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. THE OPERATION OF THIS ENGINE BEYOND 30 HOURS PER YEAR FOR 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 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.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
6. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION OF THIS ENGINE. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE 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 DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1303(b)(2)-OFFSET, RULE 1470]



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F65915
A/N 423751**

Equipment Description:

(located at the Molecular Biology Bldg.)

THERMAL FLUID HEATER, FULTON THERMAL CORPORATION, MODEL NO. FT-0800C, RATED AT 10,000,000 BTU/HR., NATURAL GAS-FIRED, WITH ONE FULTON THERMAL CORPORATION LOW NO_x BURNER, MODEL NO. LN-100, AND EQUIPPED WITH A FLUE GAS RECIRCULATION SYSTEM.

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 HEATER SHALL BE FIRED WITH NATURAL GAS ONLY.
[RULE 1146]
4. THIS HEATER SHALL EMIT NO MORE THAN 20 PPM OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NO MORE THAN 100 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% O₂.
[RULE 1303(a)(1)-BACT]
5. THE OPERATOR OF THIS HEATER SHALL COMPLY WITH THE ANNUAL SOURCE TESTING REQUIREMENTS IN SUBDIVISION (d) – COMPLIANCE DETERMINATION OF RULE 1146.
[RULE 1146]

Emissions And Requirements:

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

NO_x: 30 PPMV, RULE 1146
NO_x: 20 PPMV, RULE 1303(a)(1)-BACT
CO: 400 PPMV, RULE 1146
CO: 100 PPMV, RULE 1303(a)(1)-BACT
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F67708
A/N 427179**

Equipment Description:

(located at the Ronald Tudor Hall)

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. QST30-G2, TURBOCHARGED, AFTERCOOLED, 12 CYLINDERS, FOUR CYCLE, 1200 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-RESETTING ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
5. THE OPERATION OF THIS ENGINE BEYOND 50 HOURS PER YEAR FOR 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 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.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
6. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION OF THIS ENGINE. THE LOG SHALL BE KEPT FOR A MINIMUM OF FIVE 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 DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1303(b)(2)-OFFSET, RULE 1470]
7. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

[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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F81166
A/N 445942**

Equipment Description:

(located at the Carole Little Building)

INTERNAL COMBUSTION ENGINE, CLARKE, DIESEL-FUELED, EMERGENCY FIRE PUMP DRIVER, MODEL NO. JU4H-UF22, NATURALLY ASPIRATED, 4 CYLINDERS, FOUR CYCLE, 75 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-RESETTING ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
5. THIS ENGINE SHALL NOT BE OPERATED FOR NON-EMERGENCY USE BETWEEN THE HOURS OF 7:30 A.M. AND 4:30 P.M. ON DAYS WHEN SCHOOL IS IN SESSION.
[RULE 1470]
6. 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



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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]

7. THIS ENGINE 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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F87343
A/N 445943**

Equipment Description:

(located at the Galen Center)

BOILER NO. 1, PARKER, WATER TUBE TYPE, MODEL NO. T5700LR, SERIAL NO. 56941, RATED AT 5,700,000 BTU/HR, NATURAL GAS-FIRED, WITH ONE PARKER NIT STRIPE PREMIX METAL FIBER LOW NO_x BURNER, MODEL NO. PB-36LN.

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]
4. THIS BOILER SHALL EMIT NO MORE THAN 12 PPM OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NO MORE THAN 100 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% O₂.
[RULE 1303(a)(1)-BACT]
5. THE OPERATOR OF THIS BOILER SHALL COMPLY WITH THE ANNUAL SOURCE TESTING REQUIREMENTS IN SUBDIVISION (d) – COMPLIANCE DETERMINATION OF RULE 1146.
[RULE 1146]
6. THIS BOILER SHALL COMPLY WITH RULE 1146.
[RULE 1146]

Emissions And Requirements:

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

NO_x: 30 PPMV, RULE 1146
NO_x: 12 PPMV, RULE 1303(a)(1)-BACT
CO: 400 PPMV, RULE 1146



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CO: 100 PPMV, RULE 1303(a)(1)-BACT
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F87344
A/N 445944**

Equipment Description:

(located at the Galen Center)

BOILER NO. 2, PARKER, WATER TUBE TYPE, MODEL NO. T5700LR, SERIAL NO. 56940, RATED AT 5,700,000 BTU/HR, NATURAL GAS-FIRED, WITH ONE PARKER NIT STRIPE PREMIX METAL FIBER LOW NO_x BURNER, MODEL NO. PB-36LN.

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]
4. THIS BOILER SHALL EMIT NO MORE THAN 12 PPM OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NO MORE THAN 100 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% O₂.
[RULE 1303(a)(1)-BACT]
5. THE OPERATOR OF THIS BOILER SHALL COMPLY WITH THE ANNUAL SOURCE TESTING REQUIREMENTS IN SUBDIVISION (d) – COMPLIANCE DETERMINATION OF RULE 1146.
[RULE 1146]
6. THIS BOILER SHALL COMPLY WITH RULE 1146.
[RULE 1146]

Emissions And Requirements:

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

NO_x: 30 PPMV, RULE 1146
NO_x: 12 PPMV, RULE 1303(a)(1)-BACT
CO: 400 PPMV, RULE 1146
CO: 100 PPMV, RULE 1303(a)(1)-BACT



South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178

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CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F81163
A/N 447448**

Equipment Description:

(located at the Dental School)

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 6CTAA8.3-G3, TURBOCHARGED, AFTERCOOLED, 6 CYLINDERS, FOUR CYCLE, 317 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 UNIV OF SO CAL (EIS & NSR USE ONLY)

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. F81160
A/N 447449**

Equipment Description:

(located at the Galen Center)

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3516B-DITA, TURBOCHARGED, AFTERCOOLED, 16 CYLINDERS, FOUR CYCLE, 2499 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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F83686
A/N 448032**

Equipment Description:

(located at the Dedeaux Field)

INTERNAL COMBUSTION ENGINE, JOHN DEERE, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 4045DF150, SERIAL NO. 4045D848299, NATURALLY ASPIRATED, FOUR CYLINDERS, 4-CYCLE, 71 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 30 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 30 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1304(a)-MODELING AND OFFSET, RULE 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
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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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

Permit No. F83693
A/N 448033

Equipment Description:

(located at the Vivian Hall of Engineering)

INTERNAL COMBUSTION ENGINE, CLARKE DETROIT DIESEL-ALLISON, DIESEL-FUELED, EMERGENCY FIRE PUMP DRIVER, MODEL NO. DDFP-03DT, SERIAL NO. 3D-211068, TURBOCHARGED, THREE CYLINDERS, 2-CYCLE, 111 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 34 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING TO COMPLY WITH THE REQUIREMENTS OF THE NATIONAL FIRE PROTECTION ASSOCIATION.
[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. 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]



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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:

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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F83691
A/N 451950**

Equipment Description:

(located at the Carole Little Building)

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3516B-DITA, SERIAL NO. PBR00173, TURBOCHARGED, AFTERCOOLED, 16 CYLINDERS, 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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F83690
A/N 451951**

Equipment Description:

(located at the Carole Little Building)

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3516B-DITA, SERIAL NO. PBR00172, TURBOCHARGED, AFTERCOOLED, 16 CYLINDERS, 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-RESETTING 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 UNIV OF SO CAL (EIS & NSR USE ONLY)

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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F83689
A/N 451952**

Equipment Description:

(located at the Carole Little Building)

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3516B-DITA, SERIAL NO. PBR00165, TURBOCHARGED, AFTERCOOLED, 16 CYLINDERS, 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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F83688
A/N 452219**

Equipment Description:

(located at the Allan Hancock Foundation Building)

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 6CTAA8.3-G3, SERIAL NO. 46526704, TURBOCHARGED, AFTERCOOLED, SIX CYLINDERS, 4-CYCLE, 317 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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F83687
A/N 453207**

Equipment Description:

(located at the Denny Research Building)

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 6CTAA8.3-G3, SERIAL NO. 46465142, TURBOCHARGED, AFTERCOOLED, SIX CYLINDERS, 4-CYCLE, 317 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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F80103
A/N 431100**

Equipment Description:

[located at the Science Hall (SCI)]

INTERNAL COMBUSTION ENGINE, PERKINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 1004-40T, SERIAL NO. U254057J, TURBOCHARGED, FOUR CYLINDERS, 95 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 30 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 30 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1304(a)-MODELING AND OFFSET, RULE 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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F80104
A/N 431101**

Equipment Description:

[located at the Annenberg School for Communication (ASC)]

INTERNAL COMBUSTION ENGINE, PERKINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 1004-40T, SERIAL NO. U255005J, TURBOCHARGED, FOUR CYLINDERS, 95 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 30 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 30 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1304(a)-MODELING AND OFFSET, RULE 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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F76485
A/N 439573**

Equipment Description:

(located at Parking Structure 1)

INTERNAL COMBUSTION ENGINE, PERKINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 1004-40T, TURBOCHARGED, FOUR CYLINDERS, 4-CYCLE, 95 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:



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

Permit No. F83538
A/N 431097

Equipment Description:

[located at the Hoffmann Hall of Business Administration (HOH)]

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 6CTA8.3-G, SERIAL NO. 44771990, TURBOCHARGED, AFTERCOOLED, SIX CYLINDERS, 4-CYCLE, 277 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 30 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 30 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1304(a)-MODELING AND OFFSET, RULE 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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

Permit No. F83440
A/N 431098

Equipment Description:

[located at the Waite Phillips Hall (WPH) Building]

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 6CTA8.3-G, SERIAL NO. 44957127, TURBOCHARGED, AFTERCOOLED, SIX CYLINDERS, 4-CYCLE, 277 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 30 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 30 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1304(a)-MODELING AND OFFSET, RULE 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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F83441
A/N 457249**

Equipment Description:

[located at the Parkside Student Housing (PKS)]

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. QSM11-G2, TURBOCHARGED, AFTERCOOLED, SIX CYLINDERS, 470 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-RESETTING 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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F83559
A/N 431092**

Equipment Description:

[located at the Seaver Science Center (SSC)]

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 4BT3.9-G2, SERIAL NO. 45115876, TURBOCHARGED, FOUR CYLINDERS, 4-CYLE, 102 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 30 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 30 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
[RULE 1304(a)-MODELING AND OFFSET, RULE 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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F90250
A/N 463789**

Equipment Description:

[located at the Seaver Science Center (SSC)]

INTERNAL COMBUSTION ENGINE, CLARKE (JOHN DEERE), DIESEL-FUELED, EMERGENCY FIRE PUMP DRIVER, MODEL NO. JU4H-UF34, TURBOCHARGED, FOUR CYLINDERS, 4-CYCLE, 115 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-RESETTING ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)-MODELING AND OFFSET, RULE 1470]
5. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
 - A. EMERGENCY USE HOURS OF OPERATION
 - B. MAINTENANCE AND TESTING HOURS
 - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)

IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION. THE LOG SHALL BE KEPT FOR A MINIMUM OF 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]
6. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

[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:

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
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F91130
A/N 431094**

Equipment Description:

[located at Parking Structure D (PSD)]

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. B3.3-G1, SERIAL NO. 68009491, NATURALLY ASPIRATED, FOUR CYLINDERS, 56 BHP, EQUIPPED WITH A DIESEL PARTICULATE FILTER, CLEAN AIR SYSTEMS, CLEAN AIR PERMIT FILTER AND A HIBACK DATA LOGGING AND ALARM SYSTEM.

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

7. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS ITS EXHAUST IS VENTED TO A DIESEL PARTICULATE FILTER SYSTEM WHICH IS IN FULL OPERATION AND IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 1470]
8. THE OPERATOR SHALL OPERATE THE DIESEL PARTICULATE FILTER SYSTEM ONLY WITH AN OPERATIONAL HIBACK DATA LOGGING AND ALARM SYSTEM.
[RULE 1470]
9. THE HIBACK LOGGING AND ALARM SYSTEM SHALL BE PROGRAMMED TO INTERFACE WITH THE ENGINE CONTROL SYSTEM TO AUTOMATICALLY SHUT THE ENGINE DOWN OR SWITCH IT TO POWER DE-RATING MODE WHENEVER THE BACKPRESSURE OF THE DIESEL PARTICULATE FILTER SYSTEM EXCEEDS THE MAXIMUM BACKPRESSURE SETTING OF 40 INCHES OF WATER.
[RULE 1470]
10. THE TEMPERATURE OF THE ENGINE EXHAUST GAS AT THE INLET TO THE DIESEL PARTICULATE FILTER SYSTEM SHALL BE GREATER THAN OR EQUAL TO 300 DEGREES CELSIUS (572 DEGREES FAHRENHEIT) FOR 30% OF THE OPERATING TIME.
[RULE 1470]
11. THE OPERATOR SHALL KEEP MONTHLY RECORDS OF TEMPERATURE, PRESSURE, DATE AND TIME FOR THE DUTY CYCLE OF THE ENGINE AS DOWNLOADED FROM THE HIBACK LOGGING SYSTEM. THESE MONTHLY RECORDS SHALL BE KEPT IN A FORMAT APPROVED BY THE EXECUTIVE OFFICER AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS. THE RECORDS SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1470]
12. THE OPERATOR SHALL MANUALLY TEST THE LED ALARM SYSTEM FOLLOWING THE PROCEDURES DESCRIBED IN THE MANUFACTURER'S INSTRUCTION MANUAL "TESTING THE SYSTEM WITH THE OPTIONAL TEST KIT". THE TEST SHALL BE CONDUCTED WITHIN SIX MONTHS FROM THE DATE OF THE ISSUANCE OF THIS PERMIT AND ANNUALLY THEREAFTER. THE TEST RECORDS SHALL BE KEPT ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1470]
13. THE OPERATOR SHALL REGENERATE THE DIESEL PARTICULATE FILTER AFTER EVERY 24 COLD ENGINE START-UPS OR WHENEVER A "YELLOW" WARNING SIGNAL IS RECEIVED FROM THE HIBACK ALARM SYSTEM, WHICHEVER OCCURS FIRST. IN ORDER TO ACHIEVE FILTER REGENERATION, THE OPERATOR SHALL RUN THE ENGINE UNTIL THE EXHAUST TEMPERATURE EXCEEDS 572 DEGREES FAHRENHEIT AND THE BACKPRESSURE MONITORING SYSTEM INDICATES A NORMAL BACKPRESSURE READING.
[RULE 1470]
14. AFTER EVERY 5,000 HOURS OF NORMAL ENGINE OPERATION (EXCLUDING IDLING SESSIONS), THE OPERATOR SHALL INSPECT THE INTEGRITY OF THE FILTER AND, IF NECESSARY, REPLACE IT.
[RULE 1470]



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15. THE OPERATOR SHALL KEEP RECORDS OF PARTICULATE FILTER INSPECTIONS, REPLACEMENTS AND MANUAL REGENERATIONS. THE OPERATOR SHALL MAINTAIN THESE RECORDS FOR A MINIMUM OF FIVE YEARS AND MAKE THEM AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1470]

16. 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]

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

18. 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]

19. 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:

20. 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. F94796
A/N 474565**

Equipment Description:

[located at the School of Cinematic Arts]

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. C-15, TURBOCHARGED, AFTERCOOLED, SIX CYLINDERS, 4-CYCLE, 563 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-RESETTING 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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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



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PERMIT TO OPERATE

**Permit No. F96681
A/N 476129**

Equipment Description:

[located at the Gwynn Wilson Student Union (STU)]

INTERNAL COMBUSTION ENGINE, JOHN DEERE, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 4045TF270E, TURBOCHARGED, FOUR CYLINDERS, 4-CYCLE, 99 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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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



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PERMIT TO CONSTRUCT/OPERATE

**Permit No. N24861
A/N 498468**

Equipment Description:

Fuel Storage and Dispensing Facility (located at Trojan Transportation Staff/Student Fueling) Consisting of:

- 1) 6 - GASOLINE BELLOWS-LESS NOZZLES DISPENSING 6 PRODUCTS, EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, VAPOR SYSTEMS TECHNOLOGIES, INC., PHASE II ENHANCED VAPOR RECOVERY (EVR) SYSTEM NOT INCLUDING IN-STATION DIAGNOSTICS (ISD) SYSTEM (VR-203-F).
- 2) 2 - GASOLINE UNDERGROUND STORAGE TANKS, EACH 20,000-GALLON CAPACITY, EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM CNI MANUFACTURING (VR-104-B/D), 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. ALL PERMIT CONDITIONS APPLICABLE TO THE EQUIPMENT DESCRIBED IN THE PREVIOUS PERMIT TO OPERATE N18978 SHALL REMAIN IN EFFECT UNTIL THE NEW OR MODIFIED EQUIPMENT IS CONSTRUCTED AND OPERATED AS DESCRIBED IN THIS NEW PERMIT. THIS PERMIT TO CONSTRUCT/OPERATE SHALL BECOME INVALID IF THE MODIFICATION AS DESCRIBED IN THE EQUIPMENT DESCRIPTION HAS NOT BEEN COMPLETED WITHIN ONE YEAR FROM THE ISSUE DATE. IF THE MODIFICATION HAS NOT BEEN COMPLETED WITHIN ONE YEAR FROM THE ISSUE DATE OF THE PERMIT, A WRITTEN REQUEST SHALL BE SUBMITTED TO THE AQMD (ATTENTION: RANDY MATSUYAMA) TO REINSTATE THE PREVIOUSLY INACTIVATED PERMIT TO OPERATE. A NEW APPLICATION SHALL BE FILED IF THERE ARE PLANS TO CONTINUE WITH THE MODIFICATION. FURTHERMORE, THIS CONDITION DOES NOT ALLOW ANY TIME EXTENSIONS TO ANY MODIFICATIONS REQUIRED BY THE CALIFORNIA AIR RESOURCES BOARD OR AQMD.
[RULE 203]
4. EXCEPT FOR DIESEL TRANSFERS, PHASE I VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO STORAGE TANKS.
[RULE 461, RULE 1303(a)(1)-BACT]



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5. EXCEPT FOR DIESEL TRANSFERS, PHASE II VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO MOTOR VEHICLES, AS DEFINED IN RULE 461.
[RULE 461, RULE 1303(a)(1)-BACT]
6. ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT AT THIS FACILITY SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CALIFORNIA AIR RESOURCES BOARD CERTIFICATION REQUIREMENTS.
[RULE 461, RULE 1303(a)(1)-BACT]
7. THE DISTRICT AT ITS DISCRETION MAY WISH TO WITNESS THE INSTALLATION AND/OR PERFORMANCE TESTING OF THE HEALY PHASE II EVR SYSTEM NOT INCLUDING ISD. AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE INSTALLATION AND PERFORMANCE TESTING OF THE HEALY PHASE II EVR SYSTEM NOT INCLUDING ISD, THE APPLICANT SHALL NOTIFY THE AQMD AT TELEPHONE NUMBER (866) 770-9140.
[RULE 461]
8. NEW EQUIPMENT INSTALLATIONS AND SUBSEQUENT SERVICE AND REPAIRS FOR ANY CERTIFIED COMPONENT FOR WHICH THIS PERMIT WAS ISSUED, SHALL ONLY BE PERFORMED BY A CURRENT AND CERTIFIED PERSON WHO HAS SUCCESSFULLY COMPLETED THE MANUFACTURER'S TRAINING COURSE AND APPROPRIATE INTERNATIONAL CODE COUNCIL (ICC) CERTIFICATION. COMPLETION OF ANY AQMD TRAINING COURSE DOES NOT CONSTITUTE AS A SUBSTITUTE FOR THIS REQUIREMENT. PROOF OF SUCCESSFUL COMPLETION OF ANY MANUFACTURER TRAINING COURSE SHALL BE WITH THE MANUFACTURER.
[RULE 461]
9. AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO BACK-FILLING ANY UNDERGROUND STORAGE TANK OR PIPING, THE SCAQMD SHALL BE NOTIFIED BY E-MAIL AT R461BACKFILL@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTORS; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE BACK-FILLING PROCEDURE. THE BACK-FILLING PROCEDURE SHALL NOT COMMENCE UNTIL INSPECTED BY A DISTRICT REPRESENTATIVE.
[RULE 461]
10. 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 (OCTOBER 8, 2003) AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
11. A LEAK RATE AND CRACKING PRESSURE TEST OF PRESSURE/VACUUM RELIEF VENT VALVES SHALL BE CONDUCTED WITHIN TEN DAYS (10) AFTER THE START OF OPERATION OF THE 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 (OCTOBER 8, 2003). RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF



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ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST. THIS TEST RESULT SHALL BE KEPT ON SITE FOR THREE (3) YEARS AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

[RULE 461]

12. A STATIC TORQUE TEST OF ROTATABLE PHASE I ADAPTORS SHALL BE CONDUCTED TO QUANTIFY THE AMOUNT OF STATIC TORQUE REQUIRED TO START THE ROTATION OF THE ROTATABLE PHASE I ADAPTORS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEST PROCEDURE METHOD OUTLINED IN TP-201.1B (OCTOBER 8, 2003) AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

[RULE 461]

13. THE PHASE II VAPOR RECOVERY SYSTEM SHALL BE INSTALLED, OPERATED, AND MAINTAINED SUCH THAT THE MAXIMUM ALLOWABLE PRESSURE THROUGH THE SYSTEM INCLUDING NOZZLE, VAPOR HOSE, SWIVELS, AND UNDERGROUND PIPING DOES NOT EXCEED THE DYNAMIC BACK PRESSURES DESCRIBED BY THE CALIFORNIA AIR RESOURCES BOARD EXECUTIVE ORDER BY WHICH THE SYSTEM WAS CERTIFIED:

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

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

[RULE 461]

14. A STATIC PRESSURE LEAK DECAY TEST SHALL BE CONDUCTED TO DEMONSTRATE THAT THE STORAGE TANKS, THE REMOTE AND/OR NOZZLE VAPOR RECOVERY CHECK VALVES, ASSOCIATED VAPOR RETURN PIPING AND FITTINGS ARE FREE FROM VAPOR LEAKS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.3 (MARCH 17, 1999) AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

[RULE 461]

15. THE STATIC PRESSURE LEAK DECAY TEST TP-201.3, SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 4 OF CARB EXECUTIVE ORDER VR-203-F. VERIFICATION OF COMPLETING EACH STEP AS OUTLINED SHALL BE DOCUMENTED BY SUBMITTING A COPY OF EXHIBIT 4 TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.

[RULE 461]



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16. A LIQUID REMOVAL TEST SHALL BE CONDUCTED TO QUANTIFY THE REMOVAL RATE OF LIQUID FROM THE VAPOR PASSAGE OF A PHASE II BALANCE SYSTEM HOSE EQUIPPED WITH A LIQUID REMOVAL DEVICE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 5 OF CARB EXECUTIVE ORDER VR-203-F, AS A PERFORMANCE TEST AND REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
17. IF A VST ECS MEMBRANE PROCESSOR IS INSTALLED, A HYDROCARBON SENSOR VERIFICATION TEST SHALL BE CONDUCTED TO DETERMINE THE ACCURACY OF THE VST HYDROCARBON NON-DISPERSIVE INFRARED SENSOR USING KNOWN HYDROCARBON CONCENTRATIONS (PROPANE) CALIBRATION GASES AT GASOLINE DISPENSING FACILITIES. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 6 OF CARB EXECUTIVE ORDER VR-203-F, AS A PERFORMANCE TEST AND REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
18. A VAPOR PRESSURE SENSOR VERIFICATION TEST SHALL BE CONDUCTED TO DETERMINE THE PRESSURE MANAGEMENT CONTROL VAPOR PRESSURE SENSOR IS OPERATING IN ACCORDANCE WITH THE PRESSURE SENSOR REQUIREMENTS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 8 OF CARB EXECUTIVE ORDER VR-203-F, 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]
19. IF A VST ECS MEMBRANE PROCESSOR IS INSTALLED, A DETERMINATION OF VST PROCESSOR ACTIVATION PRESSURE TEST SHALL BE CONDUCTED TO DETERMINE COMPLIANCE WITH THE VST PROCESSOR ACTIVATION PRESSURE REQUIREMENT. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 9 OF CARB EXECUTIVE ORDER VR-203-F, AS A PERFORMANCE TEST AND REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
20. A NOZZLE BAG TEST SHALL BE CONDUCTED ON THE VST PHASE II EVR NOZZLES TO VERIFY THE INTEGRITY OF THE VAPOR VALVE. THE TEST SHALL BE CONDUCTED ON ANY NEWLY INSTALLED OR REPLACED VST PHASE II EVR NOZZLES AND IN ACCORDANCE WITH EXHIBIT 10 OF CARB EXECUTIVE ORDER VR-203-F. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
21. IF A VEEDER-ROOT VAPOR POLISHER IS INSTALLED, A VEEDER-ROOT VAPOR POLISHER OPERABILITY TEST SHALL BE CONDUCTED IN ACCORDANCE WITH ALL OF EXHIBIT 11 OF CARB EXECUTIVE ORDER VR-203-F. THE TEST SHALL BE CONDUCTED AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
22. IF A VEEDER-ROOT VAPOR POLISHER IS INSTALLED, A VEEDER-ROOT VAPOR POLISHER HYDROCARBON EMISSIONS VERIFICATION TEST SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 12 OF CARB EXECUTIVE ORDER VR-203-F TO VERIFY THE PROPER PERFORMANCE OF



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THE VEEDER-ROOT VAPOR POLISHER. THE TEST SHALL BE CONDUCTED AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]

23. IF THE SECURITY SEAL TAG ON THE VAPOR POLISHER IS BROKEN OR MISSING, THE OWNER/OPERATOR SHALL PERFORM BOTH A VEEDER-ROOT VAPOR POLISHER OPERABILITY TEST (EXHIBIT 11), AND A VEEDER-ROOT VAPOR POLISHER HYDROCARBON EMISSIONS VERIFICATION TEST (EXHIBIT 12) WITHIN SEVEN (7) DAYS OF DISCOVERY, OR WHEN IT SHOULD BE REASONABLY KNOWN THAT SUCH SEAL IS MISSING OR BROKEN. WITHIN SEVEN (7) DAYS OF A REPORT OF A MISSING OR BROKEN SECURITY SEAL TAG, A NEW SECURITY SEAL TAG SHALL BE APPLIED TO THE VAPOR POLISHER ONLY BY A MANUFACTURER REPRESENTATIVE AND ONLY IMMEDIATELY AFTER PASSING THE ABOVE REQUIRED TESTS. A NEW SECURITY SEAL TAG SHALL NOT BE PLACED AND THE VAPOR POLISHER SHALL BE REPLACED WITH A NEW ONE IF THE VAPOR POLISHER FAILED ANY SUCH TESTS.
[RULE 461]
24. THE DYNAMIC BACK PRESSURE TESTS TP-201.4, SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 13 OF CARB EXECUTIVE ORDER VR-203-F. VERIFICATION OF COMPLETING EACH STEP AS OUTLINED SHALL BE DOCUMENTED BY SUBMITTING A COPY OF EXHIBIT 13 TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
25. UNLESS AQMD RULE 461 REQUIRES A MORE FREQUENT TESTING OR INSPECTION SCHEDULE, THE OWNER/OPERATOR SHALL BE RESPONSIBLE TO PERFORM THE SCHEDULED DAILY AND ANNUAL INSPECTIONS AS OUTLINED IN THE ARB APPROVED INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR THE VST PHASE II EVR SYSTEM, AS WELL AS ALL THE REQUIRED VAPOR RECOVERY SYSTEM TESTS AS PER THE CURRENT AND APPROPRIATE ARB EXECUTIVE ORDER.
[RULE 461]
26. A CARB CERTIFIED PHASE II ENHANCED VAPOR RECOVERY SYSTEM SHALL BE FULLY PERMITTED, INSTALLED, AND TESTED BY OCTOBER 1, 2008. FAILURE TO ACHIEVE THIS CONDITION BY OCTOBER 1, 2008, SHALL RESULT IN THE OWNER/OPERATOR TO FILE A DISTRICT APPROVED COMPLIANCE PLAN OUTLINING THE INCREMENTS OF PROGRESS TOWARDS COMPLETING THE INSTALLATION OF A CARB CERTIFIED PHASE II ENHANCED VAPOR RECOVERY SYSTEM BY APRIL 1, 2009.
[RULE 461]
27. IF THE OWNER/OPERATOR PLANS TO PERMANENTLY CEASE ALL GASOLINE DISPENSING OPERATIONS BEFORE APRIL 1, 2009, A COMPLIANCE PLAN SHALL BE FILED DECLARING TO IRREVOCABLY SURRENDER THEIR PERMIT TO OPERATE.
[RULE 461]
28. IF THE VAPOR PROCESSOR UNIT IS NOT ACCESSIBLE FOR INSPECTION AND PERFORMING TESTS PURPOSES FROM GROUND LEVEL, THE OWNER/OPERATOR SHALL PROVIDE SAFE ACCESS, WHICH IS ON-SITE AND IMMEDIATELY AVAILABLE UPON REQUEST, TO THE VAPOR PROCESSOR UNIT. THE ACCESS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GENERAL INDUSTRY SAFETY ORDERS OF THE STATE OF CALIFORNIA OR IN COMPLIANCE WITH STANDARDS



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

SPECIFIED BY THE DIVISION OF OCCUPATIONAL SAFETY AND HEALTH OF THE CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS (I.E. CAL/OSHA).
[RULE 461]

29. THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO ANY OF THE ABOVE MENTIONED TESTING REQUIREMENTS. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE TESTS TO BE PERFORMED.
[RULE 461]

30. THE TESTING FOR THE ABOVE MENTIONED TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE MOST RECENT RULE 461 AMENDMENT OR CARB EXECUTIVE ORDER REQUIREMENTS, WHICHEVER IS MORE STRINGENT.
[RULE 461]

31. 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]

32. SHOULD THE FACILITY DISPENSE MORE THAN 600,000 GALLONS OF GASOLINE PER CALENDAR YEAR AND IF THE FACILITY UNDERGOES A MAJOR MODIFICATION AS DEFINED BY CARB'S ADVISORY LETTER NUMBER 336, "ENHANCED VAPOR RECOVERY IMPLEMENTATION UPDATE" DATED APRIL 15, 2005; THE OPERATOR SHALL IMMEDIATELY CEASE ALL GASOLINE DISPENSING OPERATIONS AND FILE AN APPLICATION FOR A NEW PERMIT TO CONSTRUCT/OPERATE TO INSTALL A CARB CERTIFIED ISD SYSTEM. GASOLINE DISPENSING OPERATIONS SHALL NOT RESUME UNTIL THE ISD SYSTEM HAS BEEN GRANTED A PERMIT TO CONSTRUCT/OPERATE AND HAS BEEN FULLY INSTALLED, TESTED, AND OPERATIVE.
[RULE 461]

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

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

[RULE 461]

34. THE MAXIMUM QUANTITY OF GASOLINE DISPENSED FROM THE STORAGE TANKS AT THIS FACILITY SHALL NOT EXCEED 100,000 GALLONS IN ANY ONE CALENDAR MONTH NOR 1,200,000 GALLONS IN ANY ONE CALENDAR YEAR.
[RULE 1303(b)(2)-OFFSET]



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35. 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)-OFFSET]

Periodic Monitoring:

36. THE OPERATOR SHALL HAVE A PERSON THAT HAS BEEN TRAINED IN ACCORDANCE WITH RULE 461(d)(4) 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:

37. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- VOC: RULE 461
VOC: RULE 1170



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO CONSTRUCT/OPERATE

**Permit No. G4572
A/N 499651**

Equipment Description:

[located at Parkside I Apartments]

INTERNAL COMBUSTION ENGINE, JOHN DEERE, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 4045HF285H, TURBOCHARGED, AFTERCOOLED, SIX CYLINDERS, 133 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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO CONSTRUCT/OPERATE

Permit No. G6136
A/N 502677

Equipment Description:

[located at the School of Cinematic Arts II]

INTERNAL COMBUSTION ENGINE, CATERPILLAR , DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. C-15, TURBOCHARGED, AFTERCOOLED, SIX CYLINDERS, 563 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]



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

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



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

PERMIT TO CONSTRUCT/OPERATE

**Permit No. G7834
A/N 504814**

Equipment Description:

[Located at the Campus Center]

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL , DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 6063-HV35, SERIAL NO. 06R1022923, TURBOCHARGED, AFTERCOOLED, SIX CYLINDERS, 550 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.



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[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:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

PM: RULE 1470



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

**Permit No. P/C
A/N 524254**

Equipment Description:

[Located at Cinema III]

INTERNAL COMBUSTION ENGINE, CATERPILLAR, 4 CYLINDER, TURBOCHARGED / AFTERCOOLED, MODEL NO. C4.4, 156.8 BHP, DIESEL FUELED, EQUIPPED WITH A DIESEL PARTICULATE FILTER, MIRATECH, MODEL NO. WITH BACKPRESSURE MONITOR AND ALARM SYSTEM, 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 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. 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



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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]

7. 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]
8. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 1470 AND 1472.
[RULE 1470, RULE 1472]
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. THE OPERATOR SHALL OPERATE THE DIESEL PARTICULATE FILTER SYSTEM ONLY WITH AN OPERATIONAL BACKPRESSURE MONITOR SYSTEM IN OPERATION. THE ENGINE BACKPRESSURE SHALL NOT EXCEED 17 INCHES OF WATER COLUMN.
[RULE 1470]
11. THE ALARM SYSTEM SHALL BE PROGRAMMED TO INTERFACE WITH THE ENGINE CONTROL SYSTEM TO AUTOMATICALLY SHUT THE ENGINE DOWN WHENEVER THE BACKPRESSURE OF THE DIESEL PARTICULATE FILTER SYSTEM EXCEEDS THE MAXIMUM BACKPRESSURE SETTING OF 17 INCHES OF WATER COLUMN.
[RULE 1470]
12. THIS ENGINE SHALL BE OPERATED AT THE LOAD LEVEL REQUIRED TO ACHIEVE AN EXHAUST TEMPERATURE OF 800 DEGREES FAHRENHEIT.
[RULE 1470]
13. THE DIESEL PARTICULATE FILTER SHALL BE CLEANED WHENEVER THE BACKPRESSURE OF THE DIESEL PARTICULATE FILTER SYSTEM REACHES THE ALLOWABLE LIMIT. CLEANING SHALL BE PERFORMED ACCORDING TO THE MANUFACTURER'S RECOMMENDED FILTER CLEANING AND MAINTENANCE PROCEDURES AS SPECIFIED IN THE OPERATIONS AND MAINTENANCE MANUAL.
[RULE 1470]
14. THE OPERATOR SHALL INSPECT THE INTEGRITY OF THE FILTER ONCE EVERY 6 MONTHS AND CLEAN OR REPLACE SUCH FILTER IF NECESSARY.



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15. [RULE 1470]
THE OPERATOR SHALL KEEP RECORDS OF DIESEL PARTICULATE FILTER INSPECTIONS, CLEANING, AND REPLACEMENTS. THE OPERATOR SHALL MAINTAIN THESE RECORDS FOR A MINIMUM OF FIVE YEARS AND MAKE THEM AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

[RULE 1470]

16. THE EMISSIONS FROM THIS EQUIPMENT SHALL COMPLY WITH THE FOLLOWING LIMITS:

CONTAMINANT	EMISSION LIMIT (GM/BHP-HR)
NITROGEN OXIDES (NO _x)+VOLATILE ORGANIC COMPOUNDS (VOC)	3.0
CARBON MONOXIDE (CO)	3.7
PARTICULATE MATTER (PM10)	0.02

[RULE 1470]



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

**Permit No. P/C
A/N 524286**

Equipment Description:

[Located at the John McKay Building]

INTERNAL COMBUSTION ENGINE, CUMMINS, 4 CYLINDER, TURBOCHARGED, MODEL NO. QSB5-G3, 145 BHP, DIESEL FUELED, EQUIPPED WITH A DIESEL PARTICULATE FILTER, JOHNSON-MATTHEY, MODEL NO. CRT(+)-1A-N-EIEO-SS-5, WITH BACKPRESSURE MONITOR AND ALARM SYSTEM, 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 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. 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 :



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- 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]

7. 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]
8. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.
[RULE 431.2, RULE 1472]
9. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS ITS EXHAUST IS VENTED TO A DIESEL PARTICULATE SYSTEM WHICH IS IN FULL OPERATION AND IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 1470]
10. THE OPERATOR SHALL OPERATE THE DIESEL PARTICULATE FILTER SYSTEM ONLY WITH AN OPERATIONAL BACKPRESSURE MONITOR SYSTEM IN OPERATION. THE ENGINE BACKPRESSURE SHALL NOT EXCEED 27.3 INCHES OF WATER COLUMN.
[RULE 1470]
11. THE ALARM SYSTEM SHALL BE PROGRAMMED TO INTERFACE WITH THE ENGINE CONTROL SYSTEM TO AUTOMATICALLY SHUT THE ENGINE DOWN WHENEVER THE BACKPRESSURE OF THE DIESEL PARTICULATE FILTER SYSTEM EXCEEDS THE MAXIMUM BACKPRESSURE SETTING OF 27.3 INCHES OF WATER COLUMN.
[RULE 1470]
12. THIS ENGINE SHALL BE OPERATED AT THE LOAD LEVEL REQUIRED TO ACHIEVE AN EXHAUST TEMPERATURE OF 465 DEGREES FAHRENHEIT FOR AT LEAST 40% OF THE ENGINE OPERATIONAL TIME.
[RULE 1470]



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13. THE DIESEL PARTICULATE FILTER SHALL BE CLEANED WHENEVER THE BACKPRESSURE OF THE DIESEL PARTICULATE FILTER SYSTEM REACHES THE ALLOWABLE LIMIT. CLEANING SHALL BE PERFORMED ACCORDING TO THE MANUFACTURER'S RECOMMENDED FILTER CLEANING AND MAINTENANCE PROCEDURES AS SPECIFIED IN THE OPERATIONS AND MAINTENANCE MANUAL.
[RULE 1470]
14. THE OPERATOR SHALL INSPECT THE INTEGRITY OF THE FILTER ONCE EVERY 6 MONTHS AND CLEAN OR REPLACE SUCH FILTER IF NECESSARY.
[RULE 1470]
15. THE OPERATOR SHALL KEEP RECORDS OF DIESEL PARTICULATE FILTER INSPECTIONS, CLEANING, AND REPLACEMENTS. THE OPERATOR SHALL MAINTAIN THESE RECORDS FOR A MINIMUM OF FIVE YEARS AND MAKE THEM AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1470]
16. THE EMISSIONS FROM THIS EQUIPMENT SHALL COMPLY WITH THE FOLLOWING LIMITS:
- | CONTAMINANT | EMISSION LIMIT (GM/BHP-HR) |
|---|----------------------------|
| NITROGEN OXIDES (NO _x)+VOLATILE ORGANIC COMPOUNDS (VOC) | 3.0 |
| CARBON MONOXIDE (CO) | 3.7 |
| PARTICULATE MATTER (PM10) | 0.02 |
- [RULE 1470]



**FACILITY PERMIT TO OPERATE
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**Permit No. P/C
A/N 530919**

Equipment Description:

MODIFICATION TO THE EXISTING BOILER, DESCRIBED BY P/N D95991 BELOW,

BOILER, KEWANEE, MODEL NO. KX-85, SERIAL NO. N1223, RATED AT 8,800,000 BTU/HR, NATURAL GAS FIRED, WITH A COMBUSTION AIR BLOWER, AN INDUSTRIAL COMBUSTION LOW-NOX BURNER, AND AN INDUCED DRAFT FLUE GAS RECIRCULATION SYSTEM

BY THE REMOVAL OF THE EXISTING LOW-NOX BURNER, INDUSTRIAL COMBUSTION, AND THE ADDITION OF A NEW LOW NOX BURNER, INDUSTRIAL COMBUSTION, 9,000,000 BTU/HR, MODEL NO. PF-NTH-090-GX-9S-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. ON OR AFTER JANUARY 1, 2013, THIS BOILER SHALL NOT EMIT MORE THAN 9 PPM OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NOT MORE THAN 400 PPM OF CARBON MONOXIDE (CO), ALL MEASURED ON A DRY BASIS AT 3% OXYGEN AND AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES.
[RULE 1146, RULE 1303(B)(2) – OFFSETS]
4. THIS BOILER SHALL BE FIRED ON NATURAL GAS ONLY
[RULE 1146]
5. 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]
6. 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]



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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 NO_x 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 LIMITED TO EMISSION RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE BOILER STACK, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATIONAL 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 POLLUTANTS 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, RULE 1303(a)(1) – BACT]

Periodic Monitoring:

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



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

Emissions and Requirements:

10. 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
PM10: 0.1 GR/SCF, RULE 409
[RULE 1146, RULE 407, RULE 409]



FACILITY PERMIT TO OPERATE UNIV OF SO CAL (EIS & NSR USE ONLY)

Permit No. P/C
A/N 530917

Equipment Description:

MODIFICATION TO THE EXISTING BOILER, DESCRIBED BY P/N D95990 BELOW,

BOILER, KEWANEE, MODEL NO. L3S-300G, SERIAL NO. R4740, RATED AT 12,800,000 BTU/HR, NATURAL GAS FIRED, WITH A 15 HP COMBUSTION AIR BLOWER, AN INDUSTRIAL COMBUSTION LOW-NOX BURNER, AND AN INDUCED DRAFT FLUE GAS RECIRCULATION SYSTEM

BY THE REMOVAL OF THE EXISTING LOW-NOX BURNER, INDUSTRIAL COMBUSTION, AND THE ADDITION OF A NEW LOW NOX BURNER, INDUSTRIAL COMBUSTION, 12,500,000 BTU/HR, MODEL NO. PF-NTD-125-GX-9S-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. ON OR AFTER JANUARY 1, 2013, THIS BOILER SHALL NOT EMIT MORE THAN 9 PPM OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NOT MORE THAN 400 PPM OF CARBON MONOXIDE (CO), ALL MEASURED ON A DRY BASIS AT 3% OXYGEN AND AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES.
[RULE 1146, RULE 1303(B)(2) – OFFSETS]
4. THIS BOILER SHALL BE FIRED ON NATURAL GAS ONLY
[RULE 1146]
5. 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]
6. 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]
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 NO_x 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 LIMITED TO EMISSION RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE BOILER STACK, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATIONAL 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 POLLUTANTS 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, RULE 1303(a)(1) – BACT]

Periodic Monitoring:

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



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1146 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.
[RULE 3004(a)(4)]

Emissions and Requirements:

10. 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
PM10: 0.1 GR/SCF, RULE 409
[RULE 1146, RULE 407, RULE 409]



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Permit No. P/C
A/N 530916

Equipment Description:

MODIFICATION TO THE EXISTING BOILER, DESCRIBED BY P/N D95989 BELOW,

BOILER, KEWANEE, MODEL NO. L3S-300G, SERIAL NO. R4784, RATED AT 12,800,000 BTU/HR, NATURAL GAS FIRED, WITH A 15 HP COMBUSTION AIR BLOWER, AN INDUSTRIAL COMBUSTION LOW-NOX BURNER, AND AN IDUCED DRAFT FLUE GAS RECIRCULATION SYSTEM

BY THE REMOVAL OF THE EXISTING LOW-NOX BURNER, INDUSTRIAL COMBUSTION, AND THE ADDITION OF A NEW LOW NOX BURNER, INDUSTRIAL COMBUSTION, 12,500,000 BTU/HR, MODEL NO. PF-NTD-125-GX-9S-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. ON OR AFTER JANUARY 1, 2013, THIS BOILER SHALL NOT EMIT MORE THAN 9 PPM OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NOT MORE THAN 400 PPM OF CARBON MONOXIDE (CO), ALL MEASURED ON A DRY BASIS AT 3% OXYGEN AND AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES.
[RULE 1146, RULE 1303(B)(2) -- OFFSETS]
4. THIS BOILER SHALL BE FIRED ON NATURAL GAS ONLY
[RULE 1146]
5. 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]
6. 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]
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 NO_x 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 LIMITED TO EMISSION RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE BOILER STACK, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATIONAL 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 POLLUTANTS 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, RULE 1303(a)(1) – BACT]

Periodic Monitoring:

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



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Emissions and Requirements:

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

NO_x: 9 PPMV, RULE 1146
CO: 400 PPMV, RULE 1146
CO: 2,000 PPMV, RULE 407
PM₁₀: 0.1 GR/SCF, RULE 409
[RULE 1146, RULE 407, RULE 409]



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Permit No. P/C
A/N 530921

Equipment Description:

MODIFICATION TO THE EXISTING BOILER, DESCRIBED BY P/N D95992 BELOW,

BOILER, KEWANEE, MODEL NO. KX-85, SERIAL NO. N1223, RATED AT 8,800,000 BTU/HR, NATURAL GAS FIRED, WITH A COMBUSTION AIR BLOWER, AN INDUSTRIAL COMBUSTION LOW-NOX BURNER, AND AN INDUCED DRAFT FLUE GAS RECIRCULATION SYSTEM

BY THE REMOVAL OF THE EXISTING LOW-NOX BURNER, INDUSTRIAL COMBUSTION, AND THE ADDITION OF A NEW LOW NOX BURNER, INDUSTRIAL COMBUSTION, 9,000,000 BTU/HR, MODEL NO. PF-NTH-090-GX-9S-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. ON OR AFTER JANUARY 1, 2013, THIS BOILER SHALL NOT EMIT MORE THAN 9 PPM OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NOT MORE THAN 400 PPM OF CARBON MONOXIDE (CO), ALL MEASURED ON A DRY BASIS AT 3% OXYGEN AND AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES.
[RULE 1146, RULE 1303(B)(2) – OFFSETS]
4. THIS BOILER SHALL BE FIRED ON NATURAL GAS ONLY
[RULE 1146]
5. 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]
6. 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]
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 NO_x 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 LIMITED TO EMISSION RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE BOILER STACK, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATIONAL 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 POLLUTANTS 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, RULE 1303(a)(1) – BACT]

Periodic Monitoring:

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



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Emissions and Requirements:

10. 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
PM10: 0.1 GR/SCF, RULE 409
[RULE 1146, RULE 407, RULE 409]



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

**Permit No. P/C
A/N 530924**

Equipment Description:

MODIFICATION TO THE EXISTING BOILER, DESCRIBED BY P/N F15565 BELOW,

BOILER, KEWANEE, FIRETUBE TYPE, MODEL KR86-7, SERIAL NO. N-4003, RATED AT 10,680,000 BTU/HR, NATURAL GAS FIRED, WITH ONE INDUSTRIAL COMBUSTION BURNER, MODEL NO. LNDG-145S, A 15 HP COMBUSTION AIR BLOWER AND AN IDUCED DRAFT FLUE GAS RECIRCULATION SYSTEM

BY THE REMOVAL OF THE EXISTING LOW-NOX BURNER, INDUSTRIAL COMBUSTION, AND THE ADDITION OF A NEW LOW NOX BURNER, INDUSTRIAL COMBUSTION, 9,000,000 BTU/HR, MODEL NO. PF-NTH-110-GX-9S-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. ON OR AFTER JANUARY 1, 2013, THIS BOILER SHALL NOT EMIT MORE THAN 9 PPM OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NOT MORE THAN 400 PPM OF CARBON MONOXIDE (CO), ALL MEASURED ON A DRY BASIS AT 3% OXYGEN AND AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES.
[RULE 1146, RULE 1303(B)(2) – OFFSETS]
4. THIS BOILER SHALL BE FIRED ON NATURAL GAS ONLY
[RULE 1146]
5. 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]
6. 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]
7. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT SOURCE TESTS UNDER THE FOLLOWING CONDITIONS:



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- 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 NO_x 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 LIMITED TO EMISSION RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE BOILER STACK, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATIONAL 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 POLLUTANTS 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, RULE 1303(a)(1) – BACT]

Periodic Monitoring:

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



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1146 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.
[RULE 3004(a)(4)]

Emissions and Requirements:

10. 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
PM10: 0.1 GR/SCF, RULE 409
[RULE 1146, RULE 407, RULE 409]



**FACILITY PERMIT TO OPERATE
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Permit No. P/C
A/N 530923

Equipment Description:

MODIFICATION TO THE EXISTING BOILER, DESCRIBED BY P/N F55042 BELOW,

BOILER, KEWANEE, FIRETUBE TYPE, MODEL NO. L-3S-350-GO2, SERIAL NO. 07396, RATED AT 14,700,000 BTU/HR, NATURAL GAS FIRED, WITH ONE INDUSTRIAL COMBUSTION LOW-NOX BURNER, MODEL NO. LNDG-175P-20, SERIAL NO. 41779-1, EQUIPPED WITH A 20 HP COMBUSTION AIR BLOWER AND AN INDUCED DRAFT FLUE GAS RECIRCULATION SYSTEM.

BY THE REMOVAL OF THE EXISTING LOW-NOX BURNER, INDUSTRIAL COMBUSTION, AND THE ADDITION OF A NEW LOW NOX BURNER, INDUSTRIAL COMBUSTION, 14,700,000 BTU/HR, MODEL NO. PF-NTD-147-GX-9S-6

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 ON NATURAL GAS ONLY.
[RULE 1146]
4. ON OR AFTER JANUARY 1, 2013, THIS BOILER SHALL NOT EMIT MORE THAN 9 PPM OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NOT MORE THAN 50 PPM OF CARBON MONOXIDE (CO), ALL MEASURED ON A DRY BASIS AT 3% OXYGEN AND AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES.
[RULE 1146, RULE 1303(B)(2) – OFFSETS]
5. 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]
6. 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 NO_x 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 LIMITED TO EMISSION RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE BOILER STACK, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATIONAL 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 POLLUTANTS 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, RULE 1303(a)(1) – BACT]
7. THE BURNER SHALL BE EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE COMBUSTION AIR, FUEL AND RECIRCULATED FLUE GAS AS THE BOILER LOAD VARIES. THIS AUTOMATIC CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED AT LEAST TWICE A YEAR ACCORDING TO THE MANUFACTURERS SPECIFICATIONS TO ASSURE ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME FIRING RATE.
[RULE 1146, RULE 1303(b)(2) – OFFSET]
8. RECORDS OF SUCH ADJUSTMENTS TUNE-UPS AND CALIBRATIONS AS STATED IN CONDITION NO. 7 SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE EXECUTIVE OFFICER UPON REQUEST.
[RULE 1303(b)(2) – OFFSET]

Periodic Monitoring:

9. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE NO_x EMISSION LIMITS EITHER BY:
- (a) CONDUCTING A SOURCE TEST AT LEAST ANNUALLY USING AQMD METHOD 100.1 OR 7.1; OR
 - (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS



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OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH THE RULE 1146 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.
[RULE 3004(a)(4)]

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

Emissions and Requirements:

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

NOx: 9 PPMV, RULE 1146
NOx: 20 PPMV, RULE 1303(b)(2) – OFFSETS
CO: 50 PPMV, RULE 1303(b)(2) – OFFSETS
CO: 400 PPMV, RULE 1146
CO: 2,000 PPMV, RULE 407
PM10: 0.1 GR/SCF, RULE 409
[RULE 1146, RULE 407, RULE 409]



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Permit No. P/C
A/N 528567

Equipment Description:

MODIFICATION TO THE EXISTING BOILER, DESCRIBED BY P/N F35853 BELOW,

BOILER, KEWANEE, FIRETUBE TYPE, MODEL NO. L-3S-350-GO2, SERIAL NO. 0-5758, RATED AT 14,700,000 BTU/HR, NATURAL GAS FIRED, WITH ONE INDUSTRIAL COMBUSTION LOW-NOX BURNER, MODEL NO. LNDG-175P-20, AND AN INDUCED DRAFT FLUE GAS RECIRCULATION SYSTEM.

BY THE REMOVAL OF THE EXISTING LOW-NOX BURNER, INDUSTRIAL COMBUSTION, MODEL NO. LNDG-175-P-20, AND THE ADDITION OF A NEW LOW NOX BURNER, INDUSTRIAL COMBUSTION, 14,700,000 BTU/HR, MODEL NO. PF-NTD-147-GX-9S-6

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 ON NATURAL GAS ONLY.
[RULE 1146]
4. ON OR AFTER JANUARY 1, 2013, THIS BOILER SHALL NOT EMIT MORE THAN 9 PPM OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NOT MORE THAN 400 PPM OF CARBON MONOXIDE (CO), ALL MEASURED ON A DRY BASIS AT 3% OXYGEN AND AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES.
[RULE 1146, RULE 1303(B)(2) – OFFSETS]
5. 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]
6. 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 NO_x 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 LIMITED TO EMISSION RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE BOILER STACK, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATIONAL DATA SHALL ALSO BE INCLUDED FOR EACH FIRING RATE:
- THE EXHAUST FLOW RATES IN ACTUAL CUBIC FEET PER MINUTE (ACFM)
 - THE FIRING RATES IN BTU PER HOUR
 - THE EXHAUST TEMPERATURE, IN DEGREES FAHRENHEIT
 - THE OXYGEN CONTENT OF THE EXHAUST GASES, IN PERCENT
 - THE FUEL FLOW RATE
- F. A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANTS TO BE MEASURED, AND IN 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, RULE 1303(a)(1) – BACT]
7. THE BURNER SHALL BE EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE COMBUSTION AIR, FUEL AND RECIRCULATED FLUE GAS AS THE BOILER LOAD VARIES. THIS AUTOMATIC CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED AT LEAST TWICE A YEAR ACCORDING TO THE MANUFACTURERS SPECIFICATIONS TO ASSURE ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME FIRING RATE.
[RULE 1146, RULE 1303(b)(2) – OFFSET]
8. RECORDS OF SUCH ADJUSTMENTS TUNE-UPS AND CALIBRATIONS AS STATED IN CONDITION NO. 7 SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE EXECUTIVE OFFICER UPON REQUEST.
[RULE 1303(b)(2) – OFFSET]

Periodic Monitoring:

9. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE NO_x EMISSION LIMITS EITHER BY:
- CONDUCTING A SOURCE TEST AT LEAST ANNUALLY USING AQMD METHOD 100.1 OR 7.1; OR
 - CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS



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OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH THE RULE 1146 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.
[RULE 3004(a)(4)]

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

Emissions and Requirements:

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

NOx: 9 PPMV, RULE 1146
NOx: 20 PPMV, RULE 1303(b)(2) – OFFSETS
CO: 400 PPMV, RULE 1146
CO: 2,000 PPMV, RULE 407
PM10: 0.1 GR/SCF, RULE 409
[RULE 1146, RULE 407, RULE 409]



FACILITY PERMIT TO OPERATE UNIV OF SO CAL (EIS & NSR USE ONLY)

Permit No. P/C
A/N 524292

Equipment Description:

MODIFICATION TO THE EXISTING BOILER, DESCRIBED BY P/N F55044 BELOW,

BOILER, KEWANEE, FIRETUBE TYPE, MODEL NO. L-3S-350-GO2, SERIAL NO. P9993, RATED AT 14,700,000 BTU/HR, NATURAL GAS FIRED, WITH ONE INDUSTRIAL COMBUSTION LOW-NOX BURNER, MODEL NO. LNDG-175P-20, SERIAL NO. 41778-1, EQUIPPED WITH A 20 HP COMBUSTION AIR BLOWER AND AN INDUCED DRAFT FLUE GAS RECIRCULATION SYSTEM.

BY THE REMOVAL OF THE EXISTING LOW-NOX BURNER, INDUSTRIAL COMBUSTION, MODEL NO. LNDG-175-P-20, AND THE ADDITION OF A NEW LOW NOX BURNER, INDUSTRIAL COMBUSTION, 14,700,000 BTU/HR, MODEL NO. PF-NTD-147-GX-9S-6

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 ON NATURAL GAS ONLY.
[RULE 1146]
4. ON OR AFTER JANUARY 1, 2013, THIS BOILER SHALL NOT EMIT MORE THAN 9 PPM OF OXIDES OF NITROGEN (NO_x), CALCULATED AS NO₂, AND NOT MORE THAN 50 PPM OF CARBON MONOXIDE (CO), ALL MEASURED ON A DRY BASIS AT 3% OXYGEN AND AVERAGED OVER A PERIOD OF 15 CONSECUTIVE MINUTES.
[RULE 1146, RULE 1303(B)(2) – OFFSETS]
5. 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]
6. 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 NO_x AND CO EMISSION LIMITS SPECIFIED IN CONDITION NO. 3.



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- 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 LIMITED TO EMISSION RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE BOILER STACK, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATIONAL 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 POLLUTANTS 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, RULE 1303(a)(1) – BACT]
7. THE BURNER SHALL BE EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE COBUSTION AIR, FUEL AND RECIRCULATED FLUE GAS AS THE BOILER LOAD VARIES. THIS AUROMATIC CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED AT LEAST TWICE A YEAR ACCORDING TO THE MANUFACTURERS SPECIFICATIONS TO ASSURE ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME FIRING RATE.
[RULE 1146, RULE 1303(b)(2) – OFFSET]
8. RECORDS OF SUCH ADJUSTMENTS TUNE-UPS AND CALIBRATIONS AS STATED INCONDITION NO. 7 SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE EXECUTIVE OFFICER UPON REQUEST.
[RULE 1303(b)(2) – OFFSET]

Periodic Monitoring:

9. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE NO_x EMISSION LIMITS EITHER BY:
(a) CONDUCTING A SOURCE TEST AT LEAST ANNUALLY USING AQMD METHOD 100.1 OR 7.1; OR
(b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH THE RULE



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1146 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.
[RULE 3004(a)(4)]

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

Emissions and Requirements:

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

NOx: 9 PPMV, RULE 1146
NOx: 20 PPMV, RULE 1303(b)(2) – OFFSETS
CO: 50 PPMV, RULE 1303(b)(2) – OFFSETS
CO: 400 PPMV, RULE 1146
CO: 2,000 PPMV, RULE 407
PM10: 0.1 GR/SCF, RULE 409
[RULE 1146, RULE 407, RULE 409]



**FACILITY PERMIT TO OPERATE
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Permit No. G23381
A/N 541094

Equipment Description:

BOILER, KEWANEE, MODEL NO. LS100G SERIAL NO. N8141, FIRETUBE TYPE, NATURAL GAS FIRED, RATED AT 4,200,000 BTU/HR, WITH AN INDUSTRIAL COMBUSTION LOW-NOX BURNER, MODEL NO. NTH-045-GX-9S-3, AND FLUE GAS RECIRCULATION

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, 2014, 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 1146.1, RULE 1303(B)(2)-OFFSET]
4. THIS BOILER SHALL BE FIRED ON NATURAL GAS ONLY
[RULE 1146.1]
5. THIS BOILER SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1146.1, INCLUDING THE SOURCE TESTING REQUIREMENTS OF RULE 1146.1(d)(4).
[RULE 1146.1]
6. 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 1146.1, RULE 1303(B)(2)-OFFSET]
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.



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- 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 1146.1, RULE 1303(B)(2)-OFFSET]
8. THE BURNER SHALL BE EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE COBUSTION AIR, FUEL AND RECIRCULATED FLUE GAS AS THE BOILER LOAD VARIES. THIS AUROMATIC CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED AT LEAST TWICE A YEAR ACCORDING TO THE MANUFACTURERS SPECIFICATIONS TO ASSURE ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME FIRING RATE.
[RULE 1146.1, RULE 1303(b)(2) – OFFSET]
9. RECORDS OF SUCH ADJUSTMENTS TUNE-UPS AND CALIBRATIONS AS STATED IN CONDITION NO. 7 SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE EXECUTIVE OFFICER UPON REQUEST.
[RULE 1303(b)(2) – OFFSET]

PERIODIC MONITORING

10. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE NO_x EMISSION LIMITS EITHER BY:
- (a) CONDUCTING A SOURCE TEST AT LEAST ANNUALLY USING AQMD METHOD 100.1 OR 7.1; OR
 - (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH THE RULE 1146.1 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.
[RULE 3004(a)(4)]



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11. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE CO EMISSION LIMITS EITHER BY: (a) CONDUCTING A SOURCE TEST AT LEAST ANNUALLY USING AQMD METHOD 100.1 OR 7.1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH THE RULE 1146.1 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.
[RULE 3004(a)(4)]

EMISSIONS AND REQUIREMENTS

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

NOX: 9 PPMV, RULE 1146.1
CO: 400 PPMV, RULE 1146.1
CO: 2,000 PPMV, RULE 407
PM: 0.1 GR/DSCF, RULE 409
[RULE 1146.1, RULE 407, RULE 409]



**FACILITY PERMIT TO OPERATE
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**Permit No. G23382
A/N 541095**

Equipment Description:

BOILER, KEWANEE, MODEL NO. LS100G SERIAL NO. N8140, FIRE TUBE TYPE, NATURAL GAS FIRED, RATED AT 4,200,000 BTU/HR, WITH AN INDUSTRIAL COMBUSTION LOW-NOX BURNER, MODEL NO. NTH-045-GX-9S-3, AND FLUE GAS RECIRCULATION

Conditions:

2. 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, 2014, 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 1146.1, RULE 1303(B)(2)-OFFSET]
4. THIS BOILER SHALL BE FIRED ON NATURAL GAS ONLY
[RULE 1146.1]
5. THIS BOILER SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1146.1, INCLUDING THE SOURCE TESTING REQUIREMENTS OF RULE 1146.1(d)(4).
[RULE 1146.1]
6. 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 1146.1, RULE 1303(B)(2)-OFFSET]
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.



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- 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:
- II. 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 1146.1, RULE 1303(B)(2)-OFFSET]
8. THE BURNER SHALL BE EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE COBUSTION AIR, FUEL AND RECIRCULATED FLUE GAS AS THE BOILER LOAD VARIES. THIS AUROMATIC CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED AT LEAST TWICE A YEAR ACCORDING TO THE MANUFACTURERS SPECIFICATIONS TO ASSURE ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME FIRING RATE.
[RULE 1146.1, RULE 1303(b)(2) – OFFSET]
9. RECORDS OF SUCH ADJUSTMENTS TUNE-UPS AND CALIBRATIONS AS STATED IN CONDITION NO. 7 SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE EXECUTIVE OFFICER UPON REQUEST.
[RULE 1303(b)(2) – OFFSET]

PERIODIC MONITORING

10. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE NO_x EMISSION LIMITS EITHER BY:
(a) CONDUCTING A SOURCE TEST AT LEAST ANNUALLY USING AQMD METHOD 100.1 OR 7.1; OR
(b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH THE RULE 1146.1 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.
[RULE 3004(a)(4)]



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11. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE CO EMISSION LIMITS EITHER BY: (a) CONDUCTING A SOURCE TEST AT LEAST ANNUALLY USING AQMD METHOD 100.1 OR 7.1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH THE RULE 1146.1 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.
[RULE 3004(a)(4)]

EMISSIONS AND REQUIREMENTS

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

NOX: 9 PPMV, RULE 1146.1
CO: 400 PPMV, RULE 1146.1
CO: 2,000 PPMV, RULE 407
PM: 0.1 GR/DSCF, RULE 409
[RULE 1146.1, RULE 407, RULE 409]



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

**Permit No. G23383
A/N 541098**

Equipment Description:

BOILER, KEWANEE, FIRE TUBE TYPE, MODEL NO. 1-35-350-GO2, SERIAL NO. 07627, RATED AT 14,700,000 BTU/HR, NATURAL GAS FIRED, WITH ONE INDUSTRIAL COMBUSTION LOW NOX BURNER, MODEL NO. PF-NTD-147-GX-9S-6, EQUIPPED WITH A 40 HP COMBUSTION AIR BLOWER AND INDUCED DRAFT FLUE GAS RECIRCULATION SYSTEM

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 ON NATURAL GAS ONLY
[RULE 1146]
4. THIS BOILER SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1146.1, INCLUDING THE SOURCE TESTING REQUIREMENTS OF RULE 1146(D)(6) AND (D)(8).
[RULE 1146]
5. 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 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.
[RULE 1146, RULE 1303(B)(2)-OFFSET]
6. 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]
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.



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- 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]
8. THE BURNER SHALL BE EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE COBUSTION AIR, FUEL AND RECIRCULATED FLUE GAS AS THE BOILER LOAD VARIES. THIS AUROMATIC CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED AT LEAST TWICE A YEAR ACCORDING TO THE MANUFACTURERS SPECIFICATIONS TO ASSURE ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME FIRING RATE.
[RULE 1146, RULE 1303(b)(2) – OFFSET]
9. RECORDS OF SUCH ADJUSTMENTS TUNE-UPS AND CALIBRATIONS AS STATED IN CONDITION NO. 7 SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE EXECUTIVE OFFICER UPON REQUEST.
[RULE 1303(b)(2) – OFFSET]

PERIODIC MONITORING

10. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE NO_x EMISSION LIMITS EITHER BY:
(a) CONDUCTING A SOURCE TEST AT LEAST ANNUALLY USING AQMD METHOD 100.1 OR 7.1; OR
(b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH THE RULE



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1146 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.
[RULE 3004(a)(4)]

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

EMISSIONS AND REQUIREMENTS

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

NOX: 9 PPMV, RULE 1146
CO: 50 PPMV, RULE 1303(b)(2) – OFFSETS
CO: 400 PPMV, RULE 1146
CO: 2,000 PPMV, RULE 407
PM: 0.1 GR/DSCF, RULE 409
[RULE 1146, RULE 407, RULE 409]



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

**Permit No. G23384
A/N 541096**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, 6 CYLINDER, TURBOCHARGED/AFTERCOOLED, MODEL C-6.6, 230 BHP, DIESEL FUELED, EQUIPPED WITH A DIESEL PARTICULATE FILTER, MIRATECH, MODEL NO. CBS4V-4-06, 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 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 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 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).



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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 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 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 FOR NON-EMERGENCY USE BETWEEN THE HOURS OF 7:30 AM AND 3:30 PM ON DAYS WHEN SCHOOL IS IN SESSION.
[RULE 1470]
10. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS ITS EXHAUST IS VENTED TO A DIESEL PARTICULATE FILTER SYSTEM WHICH IS IN FULL OPERATION AND IS IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 1470]
11. THIS ENGINE SHALL NOT BE OPERATED BELOW THE ALLOWABLE PASSIVE REGENERATION TEMPERATURE FOR MORE THAN 12 CONSECUTIVE HOURS (720 MINUTES).
[RULE 1470]
12. THE OPERATOR SHALL REGENERATE THE DIESEL PARTICULATE FILTER AFTER EVERY 24 COLD STARTS AND AFTER EACH 30 MINUTE IDLE SESSIONS.
[RULE 1470]
13. THE DIESEL PARTICULATE FILTER SHALL BE CLEANED AFTER EVERY 2,000 HOURS OF OPERATION. CLEANING SHALL BE PERFORMED ACCORDING TO THE MANUFACTURER'S RECOMMENDED FILTER MAINTENANCE AND CLEANING PROCEDURES AS SPECIFIED IN THE OPERATIONS AND MAINTENANCE MANUAL.
[RULE 1470]
14. THE OPERATOR SHALL INSPECT THE INTEGRITY OF THE FILTER AFTER EVERY SIX (6) MONTHS AND IF NECESSARY, REPLACE IT.
[RULE 1470]
15. THE OPERATOR SHALL KEEP RECORDS OF DIESEL PARTICULATE FILTER INSPECTIONS, CLEANING, AND REPLACEMENTS. THE OPERATOR SHALL MAINTAIN THESE RECORDS FOR A MINIMUM OF FIVE YEARS AND MAKE THEM AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1470]



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

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

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

THE OWNER OR OPERATOR SHALL MAINTAIN RECORDS INDICATING THE DATE(S) THE DIESEL PARTICULATE FILTER'S FILTER MEDIA WAS REMOVED FOR CLEANING AND THE DATE(S) THE FILTER MEDIA WAS RE-INSTALLED. RECORDS SHALL BE RETAINED FOR A MINIMUM PERIOD OF 5 YEARS.

[RULE 1470]

17. THE EMISSIONS FROM THIS EQUIPMENT SHALL COMPLY WITH THE FOLLOWING LIMITS:

CONTAMINANT	EMISSION LIMIT (GM/BHP-HR)
NITROGEN OXIDES (NO _x)+VOLATILE ORGANIC COMPOUNDS(VOC)	3.0
CARBON MONOXIDE (CO)	2.6
PATICULATE MATTER (PM10)	0.02

[RULE 1470]



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

**Permit No. G27804
A/N 545901**

Equipment Description:

BOILER, KEWANEE, FIRE TUBE, MODEL L-35-350-GO2, SERIAL NO. R0292, 14,700,000 BTU/HR, NATURAL GAS FIRED, WITH ONE INDUSTRIAL COMBUSTION LOW NOX BURNER, MODEL NO. PF-NTD-147-GX-9S-6, EQUIPPED WITH A 40 HP COMBUSTION AIR BLOWER AND INDUCED DRAFT FLUE GAS RECIRCULATION SYSTEM.

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, 2014, 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.
[RULE 1146, RULE 1303(B)(2)-OFFSET]
4. THIS BOILER SHALL BE FIRED ON NATURAL GAS ONLY
[RULE 1146]
5. THIS BOILER SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1146, INCLUDING THE SOURCE TESTING REQUIREMENTS OF RULE 1146(d)(6) THROUGH (d)(8).
[RULE 1146]
6. 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]
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:
- III. 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 1146.1, RULE 1303(B)(2)-OFFSET]
8. THE BURNER SHALL BE EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE COBUSTION AIR, FUEL AND RECIRCULATED FLUE GAS AS THE BOILER LOAD VARIES. THIS AUOMATIC CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED AT LEAST TWICE A YEAR ACCORDING TO THE MANUFACTURERS SPECIFICATIONS TO ASSURE ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME FIRING RATE.
[RULE 1146, RULE 1303(b)(2) – OFFSET]
9. RECORDS OF SUCH ADJUSTMENTS TUNE-UPS AND CALIBRATIONS AS STATED IN CONDITION NO. 7 SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE EXECUTIVE OFFICER UPON REQUEST.
[RULE 1303(b)(2) – OFFSET]

PERIODIC MONITORING

10. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE NO_x EMISSION LIMITS EITHER BY:
(a) CONDUCTING A SOURCE TEST AT LEAST ANNUALLY USING AQMD METHOD 100.1 OR 7.1; OR
(b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS



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OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH THE RULE 1146 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.
[RULE 3004(a)(4)]

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

EMISSIONS AND REQUIREMENTS

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

NOX: 9 PPMV, RULE 1146
CO: 50 PPMV, RULE 1303(B)(2)
CO: 400 PPMV, RULE 1146
CO: 2,000 PPMV, RULE 407
PM: 0.1 GR/DSCF, RULE 409
[RULE 1146, RULE 407, RULE 409]



**FACILITY PERMIT TO OPERATE
UNIV OF SO CAL (EIS & NSR USE ONLY)**

**Permit No. G27801
A/N 545881**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, 12 CYLINDER, DIESEL FUELED, TURBOCHARGED, AFTERCOOLED, MODEL C-27, 1,213 BHP, DIESEL FUELED, EQUIPPED WITH A MIRATECH MODEL CBS25V-12 DIESEL PARTICULATE FILTER, DRIVING AN 800 KW 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 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 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 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).



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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 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 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 FOR NON-EMERGENCY USE BETWEEN THE HOURS OF 7:30 AM AND 3:30 PM ON DAYS WHEN SCHOOL IS IN SESSION.
[RULE 1470]
10. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS ITS EXHAUST IS VENTED TO A DIESEL PARTICULATE FILTER SYSTEM WHICH IS IN FULL OPERATION AND IS IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 1470]
11. THIS ENGINE SHALL NOT BE OPERATED BELOW THE ALLOWABLE PASSIVE REGENERATION TEMPERATURE FOR MORE THAN 12 CONSECUTIVE HOURS (720 MINUTES).
[RULE 1470]
12. THE OPERATOR SHALL REGENERATE THE DIESEL PARTICULATE FILTER AFTER EVERY 24 COLD STARTS AND AFTER EACH 30 MINUTE IDLE SESSIONS.
[RULE 1470]
13. THE DIESEL PARTICULATE FILTER SHALL BE INSPECTED AND CLEANED IF NECESSARY AFTER EVERY 1,000 HOURS OF OPERATION. CLEANING SHALL BE PERFORMED ACCORDING TO THE MANUFACTURER'S RECOMMENDED FILTER MAINTENANCE AND CLEANING PROCEDURES AS SPECIFIED IN THE OPERATIONS AND MAINTENANCE MANUAL.
[RULE 1470]
14. THE OPERATOR SHALL INSPECT THE INTEGRITY OF THE FILTER AFTER EVERY SIX (6) MONTHS AND IF NECESSARY, REPLACE IT.
[RULE 1470]



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15. THE OPERATOR SHALL KEEP RECORDS OF DIESEL PARTICULATE FILTER INSPECTIONS, CLEANING, AND REPLACEMENTS. THE OPERATOR SHALL MAINTAIN THESE RECORDS FOR A MINIMUM OF FIVE YEARS AND MAKE THEM AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1470]

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

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

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

THE OWNER OR OPERATOR SHALL MAINTAIN RECORDS INDICATING THE DATE(S) THE DIESEL PARTICULATE FILTER'S FILTER MEDIA WAS REMOVED FOR CLEANING AND THE DATE(S) THE FILTER MEDIA WAS RE-INSTALLED. RECORDS SHALL BE RETAINED FOR A MINIMUM PERIOD OF 5 YEARS.

[RULE 1470]

17. THE EMISSIONS FROM THIS EQUIPMENT SHALL COMPLY WITH THE FOLLOWING LIMITS:

CONTAMINANT	EMISSION LIMIT (GM/BHP-HR)
NITROGEN OXIDES (NOx)+VOLATILE ORGANIC COMPOUNDS(VOC)	4.8
CARBON MONOXIDE (CO)	2.6
PATICULATE MATTER (PM10)	0.004

[RULE 1470]



**FACILITY PERMIT TO OPERATE
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Permit No. G27803
A/N 545882

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS MODEL NO. QSB7-G5 NR3, DIESEL FUELED, 324 BHP, 6 CYLINDER, TURBOCHARGED, AFTERCOOLED, EQUIPPED WITH A JOHNSON-MATTHEY MODEL CRT DIESEL PARTICULATE FILTER, DRIVING A 150 KW 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 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 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 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



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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 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 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 FOR NON-EMERGENCY USE BETWEEN THE HOURS OF 7:30 AM AND 3:30 PM ON DAYS WHEN SCHOOL IS IN SESSION.
[RULE 1470]
10. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS ITS EXHAUST IS VENTED TO A DIESEL PARTICULATE FILTER SYSTEM WHICH IS IN FULL OPERATION AND IS IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 1470]
11. THIS ENGINE SHALL NOT BE OPERATED BELOW THE ALLOWABLE PASSIVE REGENERATION TEMPERATURE FOR MORE THAN 12 CONSECUTIVE HOURS (720 MINUTES).
[RULE 1470]
12. THE OPERATOR SHALL REGENERATE THE DIESEL PARTICULATE FILTER AFTER EVERY 24 COLD STARTS AND AFTER EACH 30 MINUTE IDLE SESSIONS.
[RULE 1470]
13. THE DIESEL PARTICULATE FILTER SHALL BE INSPECTED AND CLEANED IF NECESSARY AFTER EVERY 1,000 HOURS OF OPERATION. CLEANING SHALL BE PERFORMED ACCORDING TO THE MANUFACTURER'S RECOMMENDED FILTER MAINTENANCE AND CLEANING PROCEDURES AS SPECIFIED IN THE OPERATIONS AND MAINTENANCE MANUAL.
[RULE 1470]
14. THE OPERATOR SHALL INSPECT THE INTEGRITY OF THE FILTER AFTER EVERY SIX (6) MONTHS AND IF NECESSARY, REPLACE IT.
[RULE 1470]



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15. THE OPERATOR SHALL KEEP RECORDS OF DIESEL PARTICULATE FILTER INSPECTIONS, CLEANING, AND REPLACEMENTS. THE OPERATOR SHALL MAINTAIN THESE RECORDS FOR A MINIMUM OF FIVE YEARS AND MAKE THEM AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1470]

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

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

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

THE OWNER OR OPERATOR SHALL MAINTAIN RECORDS INDICATING THE DATE(S) THE DIESEL PARTICULATE FILTER'S FILTER MEDIA WAS REMOVED FOR CLEANING AND THE DATE(S) THE FILTER MEDIA WAS RE-INSTALLED. RECORDS SHALL BE RETAINED FOR A MINIMUM PERIOD OF 5 YEARS.

[RULE 1470]

17. THE EMISSIONS FROM THIS EQUIPMENT SHALL COMPLY WITH THE FOLLOWING LIMITS:

CONTAMINANT	EMISSION LIMIT (GM/BHP-HR)
NITROGEN OXIDES (NO _x)+VOLATILE ORGANIC COMPOUNDS(VOC)	3.0
CARBON MONOXIDE (CO)	2.6
PATICULATE MATTER (PM10)	0.002

[RULE 1470]



FACILITY PERMIT TO OPERATE UNIV OF SO CAL (EIS & NSR USE ONLY)

Permit No. G27800
A/N 548692

Equipment Description:

INTERNAL COMBUSTION ENGINE, JOHN DEERE MODEL NO. 6090HFG86, 463 BHP, 6 CYLINDER, TURBOCHARGED, AFTERCOOLED, DIESEL FUELED, EQUIPPED WITH A DIESEL PARTICULATE FILTER, RYPOS, MODEL NO. RH-406L, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

Conditions:

1. PERATION 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 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 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 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



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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 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 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 FOR NON-EMERGENCY USE BETWEEN THE HOURS OF 7:30 AM AND 3:30 PM ON DAYS WHEN SCHOOL IS IN SESSION.
[RULE 1470]
10. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS ITS EXHAUST IS VENTED TO A DIESEL PARTICULATE FILTER SYSTEM WHICH IS IN FULL OPERATION AND IS IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 1470]
11. THIS ENGINE SHALL NOT BE OPERATED BELOW THE ALLOWABLE PASSIVE REGENERATION TEMPERATURE FOR MORE THAN 12 CONSECUTIVE HOURS (720 MINUTES).
[RULE 1470]
12. THE OPERATOR SHALL REGENERATE THE DIESEL PARTICULATE FILTER AFTER EVERY 24 COLD STARTS AND AFTER EACH 30 MINUTE IDLE SESSIONS.
[RULE 1470]
13. THE DIESEL PARTICULATE FILTER SHALL BE INSPECTED AND CLEANED IF NECESSARY AFTER EVERY 1,000 HOURS OF OPERATION. CLEANING SHALL BE PERFORMED ACCORDING TO THE MANUFACTURER'S RECOMMENDED FILTER MAINTENANCE AND CLEANING PROCEDURES AS SPECIFIED IN THE OPERATIONS AND MAINTENANCE MANUAL.
[RULE 1470]
14. THE OPERATOR SHALL INSPECT THE INTEGRITY OF THE FILTER AFTER EVERY SIX (6) MONTHS AND IF NECESSARY, REPLACE IT.
[RULE 1470]



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15. THE OPERATOR SHALL KEEP RECORDS OF DIESEL PARTICULATE FILTER INSPECTIONS, CLEANING, AND REPLACEMENTS. THE OPERATOR SHALL MAINTAIN THESE RECORDS FOR A MINIMUM OF FIVE YEARS AND MAKE THEM AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1470]

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

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

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

THE OWNER OR OPERATOR SHALL MAINTAIN RECORDS INDICATING THE DATE(S) THE DIESEL PARTICULATE FILTER'S FILTER MEDIA WAS REMOVED FOR CLEANING AND THE DATE(S) THE FILTER MEDIA WAS RE-INSTALLED. RECORDS SHALL BE RETAINED FOR A MINIMUM PERIOD OF 5 YEARS.

[RULE 1470]

17. THE EMISSIONS FROM THIS EQUIPMENT SHALL COMPLY WITH THE FOLLOWING LIMITS:

CONTAMINANT	EMISSION LIMIT (GM/BHP-HR)
NITROGEN OXIDES (NO _x)+VOLATILE ORGANIC COMPOUNDS(VOC)	3.0
CARBON MONOXIDE (CO)	2.6
PATICULATE MATTER (PM10)	0.03

[RULE 1470]



**FACILITY PERMIT TO OPERATE
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**Permit No. G30438
A/N 558397**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS MODEL NO. QSX15-G9, DIESEL FUELED, 755 BHP, 6 CYLINDER, TURBOCHARGED, AFTERCOOLED, EQUIPPED WITH A RYPOS MODEL RH-410-L DIESEL PARTICULATE FILTER, 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 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 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 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).



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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 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 1470]

8. THIS OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 431.2 AND RULE 1470.

[RULE 431.2, RULE 1470]

9. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS ITS EXHAUST IS VENTED TO A DIESEL PARTICULATE FILTER SYSTEM WHICH IS IN FULL OPERATION AND IS IN GOOD OPERATING CONDITION AT ALL TIMES.

[RULE 1470]

10. THE DIESEL PARTICULATE FILTER SHALL BE INSPECTED AND CLEANED IF NECESSARY AFTER EVERY 1,000 HOURS OF OPERATION. CLEANING SHALL BE PERFORMED ACCORDING TO THE MANUFACTURER'S RECOMMENDED FILTER MAINTENANCE AND CLEANING PROCEDURES AS SPECIFIED IN THE OPERATIONS AND MAINTENANCE MANUAL.

[RULE 1470]

11. THE OPERATOR SHALL INSPECT THE INTEGRITY OF THE FILTER AFTER EVERY SIX (6) MONTHS AND IF NECESSARY, REPLACE IT.

[RULE 1470]

12. THE OPERATOR SHALL KEEP RECORDS OF DIESEL PARTICULATE FILTER INSPECTIONS, CLEANING, AND REPLACEMENTS. THE OPERATOR SHALL MAINTAIN THESE RECORDS FOR A MINIMUM OF FIVE YEARS AND MAKE THEM AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

[RULE 1470]

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

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



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

THE OWNER OR OPERATOR SHALL MAINTAIN RECORDS INDICATING THE DATE(S) THE DIESEL PARTICULATE FILTER'S FILTER MEDIA WAS REMOVED FOR CLEANING AND THE DATE(S) THE FILTER MEDIA WAS RE-INSTALLED. RECORDS SHALL BE RETAINED FOR A MINIMUM PERIOD OF 5 YEARS.

[RULE 1470]

14. THE EMISSIONS FROM THIS EQUIPMENT SHALL COMPLY WITH THE FOLLOWING LIMITS:

CONTAMINANT	EMISSION LIMIT (GM/BHP-HR)
NITROGEN OXIDES (NO _x)+VOLATILE ORGANIC COMPOUNDS(VOC)	4.8
CARBON MONOXIDE (CO)	2.6
PATICULATE MATTER (PM10)	0.01

[RULE 1470]



**FACILITY PERMIT TO OPERATE
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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

RULE 219 EXEMPT EQUIPMENT, BOILER, > 400,000 BTU/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



**FACILITY PERMIT TO OPERATE
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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
REFRIGERANT: 40CFR 82 SUBPART G



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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
REFRIGERANT: 40CFR 82 SUBPARTG



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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, COOLING TOWERS

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
CR^{*6}: RULE 1404



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RULE 219 EQUIPMENT

Equipment Description:

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

Emissions And Requirements:

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

REFRIGERANT: RULE 1415
REFRIGERANT: 40CFR 82 SUBPART F
REFRIGERANT: 40CFR 82 SUBPART G



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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, PRINTING EQUIPMENT, TRAINING AND NON-PRODUCTION AT EDUCATIONAL INSTITUTIONS.

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
 - 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, INTERNAL COMBUSTION ENGINES, TRAINING.

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
VOC: RULE 1110.2, SEE RULE FOR REQUIREMENTS
CO: RULE 1110.2, SEE RULE FOR REQUIREMENTS
NOx: RULE 1110.2, SEE RULE FOR REQUIREMENTS



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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT

Emissions And Requirements:

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

HALON: RULE 1418



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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, NEGATIVE AIR MACHINES WITH HEPA FILTERS TO CONTROL ASBESTOS EMISSIONS FROM DEMOLITION/RENOVATION PROJECTS

Emissions And Requirements:

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

ASBESTOS: RULE 1403



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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 PARAMETERS:
 - 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
VOC: RULE 1174