



South Coast Air Quality Management District

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

April 6, 2010

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

Subject: Title V Permit to Operate Revision
University of California, Irvine
ID 800288 A/N 504435

Dear Mr. Rios:

The University of California, Irvine has revised their Title V Facility Permit by modifying four existing boiler permits with A/N's 504436, 504437, 504438 and 504439. This revision is considered a "minor permit revision" to their Title V Facility Permit and a copy was sent for your review on February 19, 2010.

Please insert the enclosed sections into the facility permit and discard the earlier versions. Questions concerning these changes should be directed to the processing engineer, Maria Vibal at (909) 396-2422 or mvibal@aqmd.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Brian L. Yeh', is written over a large, stylized signature line.

Brian L. Yeh
Senior Manager
General Commercial and Energy Team
Engineering and Compliance

BLY:RGC:MV

Enclosures

cc: (w/o Enclosures)
Title V Facility File
Title V Admin File



South Coast Air Quality Management District

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April 6, 2010

Mr. Dick T. Sun
Manager, Environmental Programs
University of California, Irvine
4600 Health Sciences Rd.
Irvine, CA 92697-2725

Subject: Title V Permit to Operate Revision
University of California, Irvine
ID 800288 A/N 504435

Dear Mr. Sun:

Please find your revised facility permit. The permit reflects the modification of four existing boiler permits with A/N's 504436, 504437, 504438 and 504439. This revision is considered a "minor permit revision" to the Title V Permit.

Please insert the enclosed sections into your facility permit and discard the earlier versions. Questions concerning these changes should be directed to the processing engineer, Maria Vibal at (909) 396-2422 or mvibal@aqmd.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Brian L. Yeh', is written over a horizontal line.

Brian L. Yeh
Senior Manager
General Commercial and Energy Team
Engineering and Compliance

BLY:RGC:MV

Enclosure

cc: (w/o Enclosures)
Title V Facility File
Title V Admin File

Certified Mail
Return receipt Requested



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

Title Page	
Facility ID:	800288
Revision #:	14
Date:	April 06, 2010

FACILITY PERMIT TO OPERATE

**UNIV CAL IRVINE (NSR USE ONLY)
4600 BISON AVE ENV. HLTH & SFTY
IRVINE, CA 92697**

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



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765





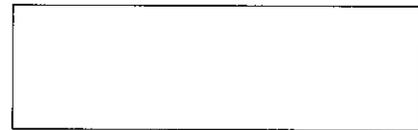
**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

TABLE OF CONTENTS

Section	Description	Revision #	Date Issued
A	Facility Information	1	09/05/2008
B	RECLAIM Annual Emission Allocation	1	09/05/2008
C	Facility Plot Plan	TO BE DEVELOPED	
D	Facility Description and Equipment Specific Conditions	14	04/06/2010
E	Administrative Conditions	1	09/05/2008
F	RECLAIM Monitoring and Source Testing Requirements	1	09/05/2008
G	Recordkeeping and Reporting Requirements for RECLAIM Sources	1	09/05/2008
H	Permit To Construct and Temporary Permit to Operate	1	09/05/2008
I	Compliance Plans & Schedules	1	09/05/2008
J	Air Toxics	1	09/05/2008
K	Title V Administration	13	12/16/2009
Appendix			
A	NOx and SOx Emitting Equipment Exempt From Written Permit Pursuant to Rule 219	1	09/05/2008
B	Rule Emission Limits	6	12/16/2009



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765





**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

**Facility Equipment and Requirements
(Section D)**

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



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

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
225130	D25027	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
225132	D25028	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
225134	D25029	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
225155	D25038	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
225156	D25039	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
225157	D25040	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
225164	D25044	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
227765	D36514	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN- - DIESEL
243646	D49623	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
289120	D85898	IC ENGINE (51-500 HP) NON-EMERGENCY PORTABLE - DIESEL
290247	D81029	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
294680	D86304	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
310432	D95768	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN- - DIESEL
311658	D96544	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
312267	D96851	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
312562	D97129	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN- - DIESEL



**FACILITY PERMIT TO OPERATE
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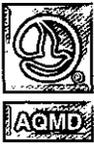
313139	D98870	IC ENGINE (51-500 HP) EMERGENCY FIRE PUMP DRIVER - DIESEL
318209	F4492	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN- - DIESEL
324009	F5195	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
327619	F7047	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN- - DIESEL
366228	F25554	SCRUBBER, OTHER VENTING M.S.
366230	F25555	SCRUBBER, OTHER VENTING M.S.
374650	F35061	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN- - DIESEL
384780	F41561	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
386969	F41563	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
393262	F47038	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
393963	F47962	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN- - DIESEL
396763	F48776	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN- - DIESEL
404942	F57961	PAINT SPRAY BOOTH
407243	F55884	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - NATURAL GAS
407769	F55887	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN- - DIESEL
409168	F57692	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN- - DIESEL
422431	F64985	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN- - DIESEL
433329	N15037	GASOLINE STORAGE & DISPENSING EQUIPMENT
443567	F87183	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN- - DIESEL
443783	F87144	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
448109	F87145	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
447332	PERMIT TO CONSTRUCT	SELECTIVE CATALYTIC REDUCTION



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

447333	PERMIT TO CONSTRUCT	TURBINE ENGINE (<= 50 MW) NAT GAS ONLY
463910	F90012	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
464442	F90013	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN- - DIESEL
475432	F96301	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
495199	G3746	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
498138	G3747	IC ENGINE (51-500 HP) EMERGENCY ELEC GEN - DIESEL
500480	G5395	IC ENGINE (> 500 HP) EMERGENCY ELEC GEN- - DIESEL
504436	G7975	BOILER (20-50 MMBTU/HR) NATURAL GAS OR OIL FIRED
504437	G7974	BOILER (20-50 MMBTU/HR) NATURAL GAS OR OIL FIRED
504438	G7972	BOILER (20-50 MMBTU/HR) NATURAL GAS ONLY
504439	G7973	BOILER (20-50 MMBTU/HR) NATURAL GAS ONLY

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



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

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 PPMV 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
UNIV CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D25027
A/N 225130**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL FUELED, EMERGENCY, MODEL NO. 3208, SERIAL NO. 29A01590, 8 CYLINDERS, FOUR CYCLE, NATURALLY ASPIRATED, 156 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 CONDITIONS AT ALL TIMES.
[RULE 204]
3. THE IGNITION TIMING OF THIS 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. CAL IRVINE (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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D25028
A/N 225132**

Equipment Description:

INTERNAL COMBUSTION ENGINE, MITSUBISHI, DIESEL FUELED, EMERGENCY, MODEL NO. 6D16T, SERIAL NO. 6D16388999, 6 CYLINDERS, FOUR CYCLE, TURBOCHARGED, 184 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 CONDITIONS AT ALL TIMES.
[RULE 204]
3. THE IGNITION TIMING OF THIS 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. CAL IRVINE (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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D25029
A/N 225134**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL FUELED, EMERGENCY, MODEL NO. DT-855-PG335, SERIAL NO. 671135, 6 CYLINDERS, FOUR CYCLE, TURBOCHARGED, 335 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 CONDITIONS AT ALL TIMES.
[RULE 204]
3. THE IGNITION TIMING OF THIS 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 CAL IRVINE (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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D25038
A/N 225155**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL FUELED, EMERGENCY, MODEL NO. H672BG160, SERIAL NO. 601009, 6 CYLINDERS, FOUR CYCLE, NATURALLY ASPIRATED, 160 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 CONDITIONS AT ALL TIMES.
[RULE 204]
3. THE IGNITION TIMING OF THIS 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 CAL IRVINE (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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D25039
A/N 225156**

Equipment Description:

INTERNAL COMBUSTION ENGINE, HERCULES, DIESEL FUELED, EMERGENCY, MODEL NO. D3000T, SERIAL NO. HB3412256, 6 CYLINDERS, FOUR CYCLE, TURBOCHARGED 120 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 CONDITIONS AT ALL TIMES.
[RULE 204]
3. THE IGNITION TIMING OF THIS 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 CAL IRVINE (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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D25040
A/N 225157**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL FUELED, EMERGENCY, MODEL NO. H73P160, SERIAL NO. 32037, 6 CYLINDERS, FOUR CYCLE, NATURALLY ASPIRATED, 160 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 CONDITIONS AT ALL TIMES.
[RULE 204]
3. THE IGNITION TIMING OF THIS 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 CAL IRVINE (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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D25044
A/N 225164**

Equipment Description:

INTERNAL COMBUSTION ENGINE, KOMATSU LTD FOCONAN, DIESEL FUELED, EMERGENCY, MODEL NO. 671T, SERIAL NO. 53544, 6 CYLINDERS, FOUR CYCLE, TURBOCHARGED 160 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 CONDITIONS AT ALL TIMES.
[RULE 204]
3. THE IGNITION TIMING OF THIS 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-CAL IRVINE (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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D36514
A/N 227765**

Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, DIESEL FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 8V-92TTA-400ROZD, TURBOCHARGED, AFTERCOOLED 8 CYLINDERS, 643 BHP.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. A TIMER SHALL BE INSTALLED, SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)(4)-MODELING AND OFFSET, RULE 1470]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 152 HOURS IN ANY ONE YEAR.
[RULE 1304(a)(4)-MODELING AND OFFSET]
5. A DAILY LOG LISTING THE ENGINE OPERATING TIME, IN HOURS, SHALL BE MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE UPON REQUEST OF DISTRICT PERSONNEL.
[RULE 1303(b)(2)-OFFSET, RULE 1470]
6. EXCEPT FOR MAINTENANCE TESTING PURPOSES, THIS ENGINE SHALL ONLY OPERATE DURING UTILITY FAILURE PERIODS.
[RULE 1304(a)(4)-MODELING AND OFFSET]
7. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 20 HOURS PER YEAR FOR MAINTENANCE AND PERFORMANCE TESTING. ENGINE OPERATION FOR MAINTENANCE TESTING SHALL NOT EXCEED 1 HOUR A WEEK.
[RULE 1304 (a)(4)-MODELING AND OFFSET, RULE 1470]
8. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO STANDARD TIMING.
[RULE 1303(a)(1)-BACT]
9. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

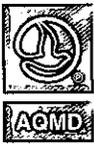
**Permit No. D49623
A/N 243646**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 6CTA8.3-G, TURBOCHARGED, AFTERCOOLED 6 CYLINDERS, FOUR CYCLES, 277 BHP.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)(4)-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 THE OPERATION SHALL BE KEPT AND ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE UPON REQUEST OF DISTRICT PERSONNEL.
[RULE 1303(b)(2)-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 CAL IRVINE (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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D85898
A/N 289120**

Equipment Description:

INTERNAL COMBUSTION ENGINE, PORTABLE, JOHN DEERE, MODEL NO. 4039TF, SERIAL NO. T04039T408110, DIESEL FUELED, 4 CYLINDERS, TURBOCHARGED, 110 BHP, DRIVING A BRUSH CHIPPER.

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 12 CONSECUTIVE MONTHS AT ANY ONE LOCATION IN THE SOUTH COAST AQMD.
[RULE 1110.2]
4. THE TOTAL OPERATING TIME OF THIS ENGINE IN THE SOUTH COAST AQMD SHALL NOT EXCEED 120 HOURS IN ANY ONE CALENDAR MONTH.
[RULE 1110.2, RULE 1303(b)(2)-OFFSET]
5. THIS ENGINE SHALL NOT OPERATE ON THE SAME SITE SIMULTANEOUSLY OR ON THE SAME DAY WITH ANY OTHER PORTABLE ENGINE WHICH IS OWNED OR OPERATED BY THE SAME PERSON OR PERSONS UNDER COMMON CONTROL UNLESS THE EMISSIONS FROM THE OTHER ENGINE ARE EITHER EXEMPT FROM REGULATION XIII OR OFFSET WITH EMISSION REDUCTION CREDITS.
[RULE 1303(b)(2)-OFFSET]
6. A TIMER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1110.2]
7. AN OPERATING LOG OF THIS ENGINE SHALL BE MAINTAINED FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE UPON REQUEST BY DISTRICT PERSONNEL. THE LOG SHALL INCLUDE, AT A MINIMUM, THE DATE, THE ELAPSED TIME, IN HOURS, AND THE LOCATION OF OPERATION.
[RULE 1110.2]
8. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO STANDARD TIMING.
[RULE 1110.2, RULE 1303(a)(1)-BACT]



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (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



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D81029
A/N 290247**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, 6 CYLINDERS TURBOCHARGED, AFTERCOOLED, MODEL NO. NTA855-G2, 465 BHP DIESEL FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)(4)-MODELING AND OFFSET, RULE 1470]
4. OPERATION OF THIS ENGINE FOR MAINTENANCE TESTING SHALL NOT EXCEED 0.5 HOUR A WEEK.
[RULE 1304(a)(4)-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 THE OPERATION SHALL BE KEPT AND ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE UPON REQUEST OF DISTRICT PERSONNEL.
[RULE 1303(b)(2)-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 CAL IRVINE (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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D86304
A/N 294680**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3306B, SERIAL NO. 85209605, TURBOCHARGED, AFTERCOOLED, 6 CYLINDERS, 306 BHP.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. A TIMER SHALL BE INSTALLED, SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)(4)-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 THE OPERATION SHALL BE KEPT AND ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE UPON REQUEST OF DISTRICT PERSONNEL.
[RULE 1303(b)(2)-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 CAL IRVINE (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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D95768
A/N 310432**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, MODEL NO. NTA855G3, 535 BHP, 6 CYLINDERS, DIESEL FIRED, TURBOCHARGED/AFTERCOOLED, EMERGENCY ELECTRIC GENERATION.

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. A TIMER SHALL BE INSTALLED, SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)(4)-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 THE OPERATION SHALL BE KEPT AND ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE UPON REQUEST OF DISTRICT PERSONNEL.
[RULE 1303(b)(2)-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:



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

Section D	Page 31
Facility I.D.#	800288
Revision#:	14
Date:	April 6, 2010

FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)

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



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D96544
A/N 311658**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, MODEL NO. LTA10-G1, SERIAL NO. K940560530, 6 CYLINDERS, DIESEL FUELED, EMERGENCY ELECTRICAL GENERATION, TURBOCHARGED AND AFTERCOOLED, 380 BHP.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204].
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. A TIMER SHALL BE INSTALLED, SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)(4)-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 THE OPERATION SHALL BE KEPT AND ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE UPON REQUEST OF DISTRICT PERSONNEL.
[RULE 1303(b)(2)-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 CAL IRVINE (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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D96851
A/N 312267**

Equipment Description:

INTERNAL COMBUSTION ENGINE, JOHN DEERE, 6 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. 6076A (224 KW), 300 BHP, DIESEL FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)(4)-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 THE OPERATION SHALL BE KEPT AND ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE UPON REQUEST OF DISTRICT PERSONNEL.
[RULE 1303(b)(2)-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 CAL IRVINE (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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D97129
A/N 312562**

Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT, DIESEL FUELED, 16 CYLINDERS, TURBOCHARGED AFTERCOOLED, MODEL NO. 16V-92TA, SERIAL NO. 81637416, 1095 BHP, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. A TIMER SHALL BE INSTALLED, SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)(4)-MODELING AND OFFSET, RULE 1470]
4. THE OPERATING TIME OF THIS ENGINE SHALL NOT EXCEED 98 HOURS IN ANY ONE YEAR. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 20 HOURS PER YEAR 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 THE OPERATION SHALL BE KEPT AND ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE UPON REQUEST OF DISTRICT PERSONNEL.
[RULE 1303(b)(2)-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 CAL IRVINE (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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. D98870
A/N 313139**

Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, MODEL DDFP-L3DT, 160 BHP, 3 CYLINDERS, DIESEL FIRED, TURBOCHARGED, EMERGENCY FIRE PUMP DRIVER.

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. A TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)(4)-MODELING AND OFFSET, RULE 1470]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 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)(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 THE OPERATION SHALL BE KEPT AND ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE UPON REQUEST OF DISTRICT PERSONNEL.
[RULE 1303(b)(2)-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:



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

Section D	Page 39
Facility I.D.#	800288
Revision#:	14
Date:	April 6, 2010

FACILITY PERMIT TO OPERATE
UNIV. CAL IRVINE (NSR USE ONLY)

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F4492
A/N 318209**

Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, MODEL NO. 8V92TA, 643 BHP, 8 CYLINDER, DIESEL FUELED, TURBOCHARGED, AFTERCOOLED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. A TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)(4)-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 THE OPERATION SHALL BE KEPT AND ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE UPON REQUEST OF DISTRICT PERSONNEL.
[RULE 1303(b)(2)-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 CAL IRVINE (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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F5195
A/N 324009**

Equipment Description:

INTERNAL COMBUSTION ENGINE, NAVISTAR INTERNATIONAL, 6 CYLINDERS, TURBOCHARGED, MODEL NO. S-408.7LT, 205 BHP, DIESEL FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. A TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)(4)-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 THE OPERATION SHALL BE KEPT AND ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE UPON REQUEST OF DISTRICT PERSONNEL.
[RULE 1303(b)(2)-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:



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

Section D	Page 43
Facility I.D.#	800288
Revision#:	14
Date:	April 6, 2010

**FACILITY PERMIT TO OPERATE
UNIV. CAL IRVINE (NSR USE ONLY)**

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



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F7047
A/N 327619**

Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, 12 CYLINDER, DIESEL FUELED, TURBOCHARGED, AFTERCOOLED, MODEL NO. 8123-7416 (12V-92TA), SERIAL NO. 383150, 947 BHP DIESEL FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)(4)-MODELING AND OFFSET, RULE 1470]
4. THE OPERATING TIME OF THIS ENGINE SHALL NOT EXCEED 111 HOURS IN ANY ONE YEAR. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 20 HOURS PER YEAR 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 THE OPERATION SHALL BE KEPT AND ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE UPON REQUEST OF DISTRICT PERSONNEL.
[RULE 1303(b)(2)-OFFSET, RULE 1470]
6. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 1.7 DEGREES RETARDED RELATIVE TO PRODUCTION TIMING AS ESTABLISHED BY DETROIT DIESEL IN PRODUCT ANNOUNCEMENT INJECTION TIMING RETARD INSTRUCTION FOR CONFORMANCE WITH THE SCAQMD'S GENERAL PERMIT REGISTRATION PROGRAM 12 V92TA GENERATOR SET ENGINE MODEL 8123-7416.
[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]



**FACILITY PERMIT TO OPERATE
UNIV-CAL IRVINE (NSR USE ONLY)**

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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F25554
A/N 366228**

Equipment Description:

AIR POLLUTION CONTROL SYSTEM, NO. 2, CONTROLLED DECOMPOSITION/OXIDATION SYSTEM DELATECH, MODEL 855 V-M, SERIAL NO. 800640 CONSISTING OF:

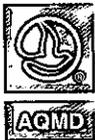
1. THERMAL REACTION SECTION, 2'W X 2'L X 4'-6" H.
2. PRIMARY COOLING/SCRUBBING SECTION.
3. EXHAUST SYSTEM (MAXIMUM FLOW RATE, 75 SCFM), VENTING THREE RIE REACTORS (RULE 219 EXEMPT EQUIPMENT).

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 FLOW METER SHALL BE INSTALLED AND MAINTAINED ON THE SCRUBBING SOLUTION RECIRCULATION IN THE FRESH WATER FEED LINE TO THE PRIMARY COOLING SECTION.
[RULE 1303(a)(1)-BACT]
4. NOT LESS THAN 2.5 GPM OF FRESH WATER SHALL BE SUPPLIED TO THE PRIMARY COOLING SECTION WHEN THE EQUIPMENT IT SERVES IS IN OPERATION.
[RULE 1303(a)(1)-BACT]
5. THIS EQUIPMENT SHALL NOT BE OPERATED BELOW 1500 DEGREES F.
[RULE 1303(a)(1)-BACT]
6. THIS EQUIPMENT SHALL BE OPERATED IN COMPLIANCE WITH RULE 1401 AS AMENDED AUGUST 13, 1999.
[RULE 1401]
7. THIS EQUIPMENT SHALL BE OPERATED WHENEVER THE BASIC EQUIPMENT IT SERVES IS/ARE IN OPERATION.
[RULE 1303(a)(1)-BACT]

Periodic Monitoring:

8. THE OPERATOR SHALL DETERMINE AND RECORD THE FLOW RATE OF THE SCRUBBING



FACILITY PERMIT TO OPERATE
UNIV. CAL IRVINE (NSR USE ONLY)

SOLUTION ONCE EVERY DAY.
[RULE 3004 (a)(4)]

Emissions And Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F25555
A/N 366230**

Equipment Description:

AIR POLLUTION CONTROL SYSTEM, NO. 1, CONTROLLED DECOMPOSITION/OXIDATION SYSTEM DELATECH, MODEL 855 V-M, SERIAL NO. 800642 CONSISTING OF:

1. THERMAL REACTION SECTION, 2'W X 2'L X 4'-6" H.
2. PRIMARY COOLING/SCRUBBING SECTION.
3. EXHAUST SYSTEM (MAXIMUM FLOW RATE, 75 SCFM), VENTING TWO LPCVD REACTORS (RULE 219 EXEMPT EQUIPMENT).

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 FLOW METER SHALL BE INSTALLED AND MAINTAINED ON THE SCRUBBING SOLUTION RECIRCULATION IN THE FRESH WATER FEED LINE TO THE PRIMARY COOLING SECTION.
[RULE 1303(a)(1)-BACT]
4. NOT LESS THAN 2.5 GPM OF FRESH WATER SHALL BE SUPPLIED TO THE PRIMARY COOLING SECTION WHEN THE EQUIPMENT IT SERVES IS IN OPERATION.
[RULE 1303(a)(1)-BACT]
5. THIS EQUIPMENT SHALL NOT BE OPERATED BELOW 1500 DEGREES F.
[RULE 1303(a)(1)-BACT]
6. THIS EQUIPMENT SHALL BE OPERATED IN COMPLIANCE WITH RULE 1401 AS AMENDED AUGUST 13, 1999.
[RULE 1401]
7. THIS EQUIPMENT SHALL BE OPERATED WHENEVER THE BASIC EQUIPMENT IT SERVES IS/ARE IN OPERATION.
[RULE 1303(a)(1)-BACT]

Periodic Monitoring:



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

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

Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F35061
A/N 374650**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3406DITA, SERIAL NO. 42R05103, TURBOCHARGED, AFTERCOOLED, SIX CYLINDERS, FOUR CYCLE, 587 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)(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 1303(b)(2)-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 CAL IRVINE (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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F41561
A/N 384780**

Equipment Description:

(located at Irvine Hall-West)

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 4BT3.9-G4, SERIAL NO. 45788098, TURBOCHARGED, FOUR 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 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)(4)-MODELING AND OFFSET, RULE 1470]
5. 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)(4)-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 1303(b)(2)-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.



FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)

[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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F41563
A/N 386969**

Equipment Description:

(located at Beckman Laser Inst. Bldg. #24)

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 6CT8.3-G2, SERIAL NO. 45675235, TURBOCHARGED, SIX CYLINDERS, FOUR CYCLE, 207 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)(4)-MODELING AND OFFSET, RULE 1470]
5. 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)(4)-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 1303(b)(2)-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.



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

[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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F47038
A/N 393262**

Equipment Description:

(located at 4302 Campus Dr.)

INTERNAL COMBUSTION ENGINE, PERKINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. NAVISTAR GB230, TURBOCHARGED, SIX CYLINDERS, FOUR CYCLE, 230 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)(4)-MODELING AND OFFSET, RULE 1470]
5. 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)(4)-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 1303(b)(2)-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]



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F47962
A/N 393963**

Equipment Description:

(located at Natural Sciences Unit I)

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. R123-7K35, SERIAL NO. 5352001950, TURBOCHARGED, AFTERCOOLED, 12 CYLINDERS, FOUR CYCLE, 910 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)(4)-MODELING AND OFFSET, RULE 1470]
5. 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)(4)-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 1303(b)(2)-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.



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

[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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F48776
A/N 396763**

Equipment Description:

(located at Sprague Hall)

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3412DTTA/500KW, TURBOCHARGED, AFTERCOOLED, 12 CYLINDERS, FOUR CYCLE, 1372 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)(4)-MODELING AND OFFSET, RULE 1470]
5. 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)(4)-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 1303(b)(2)-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.



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

[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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F57961
A/N 404942**

Equipment Description:

(located at the Facility Services)

SPRAY BOOTH, DEVILBISS, MODEL NO. 6002, FLOOR TYPE, 8'-0" W. X 6'-0" L. X 7'-0" H., WITH FIFTEEN 20" X 25" EXHAUST FILTERS, AND ONE 1 HP EXHAUST FAN.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES
[RULE 204]
3. THIS SPRAY BOOTH SHALL NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST TWO INCHES THICK.
[RULE 1303(a)(1)-BACT]
4. A GAUGE SHALL BE INSTALLED AND MAINTAINED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL SHALL NOT EXCEED 0.25 INCH OF WATER.
[RULE 1303(a)(1)-BACT]
5. THIS EQUIPMENT SHALL BE OPERATED IN COMPLIANCE WITH RULES 1136 AND 1171.
[RULE 1136, RULE 1171]
6. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS USED IN THIS EQUIPMENT SHALL NOT BE MORE THAN THREE GALLONS IN ANY ONE DAY.
[RULE 1303(b)(2)-OFFSET]
7. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY CARCINOGENIC AIR CONTAMINANTS AS IDENTIFIED IN RULE 1401 AS AMENDED MAY 3, 2002.
[RULE 1401]
8. MATERIAL SAFETY DATA SHEETS FOR ALL MATERIALS USED IN THIS EQUIPMENT SHALL BE KEPT CURRENT AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303(b)(2)-OFFSET, RULE 109, RULE 1136, RULE 1171]



~~FACILITY PERMIT TO OPERATE~~
~~UNIV-CAL IRVINE (NSR USE ONLY)~~

9. THE OPERATOR SHALL COMPLY WITH RULE 109 (RECORD KEEPING FOR VOLATILE ORGANIC COMPOUNDS EMISSIONS).
[RULE 109]
10. ALL RECORDS SHALL BE RETAINED AT THE FACILITY FOR A MINIMUM OF FIVE YEARS, AND SHALL BE MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.
[RULE 1303(b)(2)-OFFSET, RULE 109]

Periodic Monitoring:

11. THE OPERATOR SHALL PERFORM A WEEKLY INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
 - A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
 - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
 - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.[RULE 3004 (a)(4)]
12. THE OPERATOR SHALL DETERMINE AND RECORD THE PRESSURE DROP ACROSS THE FILTER MEDIA ONCE EVERY WEEK.
[RULE 3004 (a)(4)]

Emissions And Requirements:

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

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



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F55884
A/N 407243**

Equipment Description:

(located at the Administration Building)

INTERNAL COMBUSTION ENGINE, FORD, NATURAL GAS-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. CSG-6491-6005-A, SERIAL NO. 69064-1-04-00, NATURALLY ASPIRATED, SIX CYLINDERS, FOUR CYCLE, 82 BHP, EQUIPPED WITH A THREE-WAY NON-SELECTIVE CATALYTIC REDUCTION CONVERTER, JOHNSON MATTHEY, MODEL NO. BANDITO CX 4-4.

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. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR.
[RULE 1304(a)(4)-MODELING AND OFFSET]
4. THIS ENGINE SHALL BE OPERATED LESS THAN 50 HOURS PER YEAR FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1304(a)(4)-MODELING AND OFFSET]
5. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)(4)-MODELING AND OFFSET]
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)(4)-MODELING AND OFFSET]
7. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304(a)(4)-MODELING AND OFFSET]



FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)

8. 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 1304(a)(4)-MODELING AND OFFSET, RULE 1303(a)(1)-BACT]

9. THE ENGINE EMISSIONS SHALL NOT EXCEED THE FOLLOWING LIMITS :

VOLATILE ORGANIC COMPOUNDS (VOC)	1.5 GRAMS/BHP-HR
NITROGEN OXIDES	1.5 GRAMS/BHP-HR
CARBON MONOXIDE	2.0 GRAMS/BHP-HR

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

Emissions And Requirements:

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

CO: 2.0 GRAMS/BHP-HR, RULE 1303(a)(1)-BACT
NOx: 1.5 GRAMS/BHP-HR, RULE 1303(a)(1)-BACT
VOC: 1.5 GRAMS/BHP-HR, RULE 1303(a)(1)-BACT
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F55887
A/N 407769**

Equipment Description:

(located at Hewitt Hall)

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3456 DITA AA, SERIAL NO. CBX00372, TURBOCHARGED, AFTERCOOLED, 6 CYLINDERS, FOUR CYCLE, 764 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)(4)-MODELING AND OFFSET, RULE 1470]
5. 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)(4)-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 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 CAL IRVINE (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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F57692
A/N 409168**

Equipment Description:

(located at Natural Sciences – Unit 2)

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. KTA50-G9, SERIAL NO. 25277466, TURBOCHARGED, AFTERCOOLED, 16 CYLINDERS, 2220 BHP.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 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)(4)-MODELING AND OFFSET, RULE 1470]
5. 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)(4)-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 1303(b)(2)-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.



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UNIV CAL IRVINE (NSR USE ONLY)**

[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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F64985
A/N 422431**

Equipment Description:

(located at CAL-IT2)

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3412DITTA, TURBOCHARGED, AFTERCOOLED, 12 CYLINDERS, FOUR CYCLE, 896 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)(4)-MODELING AND OFFSET, RULE 1470]
5. THE OPERATION OF THIS ENGINE BEYOND 20 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)(4)-MODELING AND OFFSET]



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

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]
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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. N15037
A/N 433329**

Equipment Description:

FUEL STORAGE AND DISPENSING FACILITY (LOCATED AT NORTH CAMPUS CORPORATION YARD, FLEET SERVICES) CONSISTING OF.

1. 1-DUAL COMPARTMENT ABOVEGROUND GASOLINE/DIESEL STORAGE TANK, SUPERVAULT TYPE (G-70-132-B), CYLINDRICAL, STANDING HORIZONTALLY, 20'-5" L X 11' 1" DIA., CAPACITY - 10000 GALLONS, CONCRETE INSULATION, EQUIPPED WITH A PRESSURE/VACUUM RELIEF VALVE, AND A SUBMERGED FILL TUBE, CONSISTING OF:
 - A. ONE 7000 GALLON GASOLINE COMPARTMENT TANK, EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM.
 - B. ONE 3000 GALLON DIESEL COMPARTMENT TANK, NOT EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM.
2. 1-GASOLINE NOZZLE DISPENSING 1 PRODUCT ON A TANK TOP MOUNTED DISPENSER, EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, BALANCE RETRACTOR (G-70-52-AM).

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. EXCEPT FOR DIESEL TRANSFERS, PHASE I VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO STORAGE TANKS.
[RULE 461]
4. 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]
5. ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT AT THIS FACILITY SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CALIFORNIA AIR RESOURCES BOARD CERTIFICATION REQUIREMENTS.
[RULE 461, RULE 1303(a)(1)-BACT]



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

6. 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 METHOD TP-201.4, METHODOLOGY 1. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN FORTY-EIGHT (48) HOURS OF TESTS.

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 TESTING. 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 DYNAMIC BACK PRESSURE TESTS.
[RULE 461]

7. 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. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN FORTY-EIGHT (48) HOURS OF TEST.

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 TESTING. 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 STATIC PRESSURE LEAK DECAY TEST.
[RULE 461]

8. IF THE CARB EXECUTIVE ORDER REQUIRES THE INSTALLATION OF A LIQUID REMOVAL DEVICE, A LIQUID REMOVAL RATE TEST SHALL BE CONDUCTED TO DEMONSTRATE THE REMOVAL OF GASOLINE FROM THE VAPOR PASSAGE OF THE COAXIAL HOSE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.6. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN FORTY-EIGHT (48) HOURS OF TEST.

THE SCAQMD 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 TESTING. 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 LIQUID REMOVAL RATE TEST.



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

[RULE 461]

9. THE TESTING FREQUENCY 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]

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

[RULE 461]

11. THE MAXIMUM QUANTITY OF GASOLINE DISPENSED FROM THE STORAGE TANKS AT THIS FACILITY SHALL NOT EXCEED 12,000 GALLONS IN ANY ONE CALENDAR MONTH NOR 144,000 GALLONS IN ANY ONE CALENDAR YEAR.

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

12. 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:

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

[RULE 3004 (a)(4)]

Emissions And Requirements:

14. 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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

Permit No. F87183
A/N 443567

Equipment Description:

(located at the Medical Sciences I "C" Stack)

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. QST30-G1, TURBOCHARGED, AFTERCOOLED, 12 CYLINDERS, FOUR CYCLE, 1135 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)(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)(4)-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)(4)-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.



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

[RULE 1470]

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

- A. EMERGENCY USE HOURS OF OPERATION
- B. MAINTENANCE AND TESTING HOURS
- C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)

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

[RULE 1304(a)(4)-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 CAL IRVINE (NSR USE ONLY)~~

PERMIT TO OPERATE

**Permit No. F87144
A/N 443783**

Equipment Description:

(located at Parking Structure #6/Campus Surge Building)

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. QSM11-G1, TURBOCHARGED, AFTERCOOLED, 6 CYLINDERS, FOUR CYCLE, 395 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)(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)(4)-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)(4)-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 CAL IRVINE (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)(4)-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
UNIVERSAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F87145
A/N 448109**

Equipment Description:

(located at Berkeley Place – Adcom Building)

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 6BTA5.9-G1, TURBOCHARGED, AFTERCOOLED, 6 CYLINDERS, FOUR CYCLE, 208 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)(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)(4)-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)(4)-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 CAL IRVINE (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)(4)-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 CAL IRVINE (NSR USE ONLY)~~

PERMIT TO CONSTRUCT

A/N 447332

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF :

1. REACTOR, ENGELHARD, SELECTIVE CATALYTIC REDUCTION, 15'-5" W. x 9'-5" H., WITH 278.3 CU. FT. OF DNX 930 TYPE CATALYST.
2. REACTOR, ENGELHARD, CARBON MONOXIDE OXIDATION CATALYST, 16'-11 1/2" W. x 11'-0" H., WITH 39 CU. FT. OF ADCAT CO CATALYST.
3. AMMONIA GENERATION AND INJECTION SYSTEM, HALDOR TOPSOE, UREA CONVERSION, FUEL TECH (ID).
4. UREA STORAGE TANK, 6000-GALLON CAPACITY.
5. CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS) AT THE OUTLET OF THE SCR.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL BE IN OPERATION WHENEVER THE EQUIPMENT IT SERVES IS OPERATING, EXCEPT AS OTHERWISE NOTED IN THIS PERMIT.
[RULE 1303(a)(1)-BACT]
4. THE HOURLY AVERAGE AMMONIA CONCENTRATION AT THE EXIT OF THE SCR UNIT SHALL NOT EXCEED 5 PPMV CORRECTED TO 15 PERCENT OXYGEN WHEN THE SCR INLET TEMPERATURE EXCEEDS 500 DEGREES FAHRENHEIT.
[RULE 1303(a)(1)-BACT]
5. THE OPERATOR SHALL INSTALL AND MAINTAIN A TEMPERATURE GAUGE TO ACCURATELY INDICATE THE TEMPERATURE OF THE EXHAUST AT THE INLET TO THE SCR REACTOR. THE OPERATOR SHALL CONTINUOUSLY RECORD THE TEMPERATURE WITH A MEASURING DEVICE OR GAUGE ACCURATE TO +/- 5 PERCENT OF THE DEVICE FULL SPAN, CALIBRATED ONCE EVERY 12 MONTHS.
[RULE 1303(a)(1)-BACT]



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

6. THE OPERATOR SHALL CONDUCT SOURCE TESTS FOR THE POLLUTANTS IDENTIFIED BELOW:

POLLUTANTS	REQUIRED TEST METHOD	AVERAGING TIME	TEST LOCATION
NH ₃	DISTRICT METHOD 5.3 AND 207.1 OR EPA METHOD 17	1 HOUR	OUTLET OF THE SCR

THE TEST SHALL BE CONDUCTED AND THE RESULTS SUBMITTED TO THE AQMD WITHIN 60 DAYS AFTER THE TEST DATE. THE AQMD SHALL BE NOTIFIED OF THE DATE AND TIME OF THE TEST AT LEAST 10 DAYS PRIOR TO THE TEST.

THE TEST SHALL BE CONDUCTED AT LEAST QUARTERLY DURING THE FIRST 12 MONTHS OF OPERATION OF THE SCR, AND AT LEAST ANNUALLY THEREAFTER. THE NO_x CONCENTRATION, AS DETERMINED BY THE CEMS, SHALL BE SIMULTANEOUSLY RECORDED DURING THE AMMONIA SLIP TEST. IF THE CEMS IS INOPERABLE, A TEST SHALL BE CONDUCTED TO DETERMINE THE NO_x EMISSIONS USING DISTRICT METHOD 100.1, MEASURED OVER A 60 MINUTE AVERAGING TIME PERIOD.

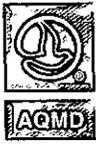
THE TEST SHALL BE CONDUCTED TO DEMONSTRATE COMPLIANCE WITH THE RULE 1303 CONCENTRATION LIMIT.
[RULE 1303(a)(1)-BACT]

7. THE SCR REACTOR SHALL BE OPERATED WITHIN THE TEMPERATURE RANGE OF 500-757 °F, EXCEPT DURING START-UP, SHUTDOWN AND INITIAL PLANT COMMISSIONING PERIODS.
[RULE 1303(a)(1)-BACT]
8. THE OPERATOR MAY, AT HIS DISCRETION, CHOOSE NOT TO USE AMMONIA INJECTION WHEN THE INLET EXHAUST TEMPERATURE TO THE SCR REACTOR IS 500 °F OR LESS, NOT TO EXCEED 3 HOURS DURING START-UPS WITHIN THE COMMISSIONING PERIOD AND 2 HOURS DURING START-UPS IN NORMAL OPERATION.
[RULE 1303(a)(1)-BACT]
9. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED AT THE FACILITY FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.
[RULE 1303(a)(1)-BACT]

Emissions And Requirements:

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

NH₃: 5 PPMV, RULE 1303(a)(1)-BACT



~~FACILITY PERMIT TO OPERATE~~
~~UNIV CAL IRVINE (NSR USE ONLY)~~

PERMIT TO CONSTRUCT

A/N 447333

Equipment Description:

COGENERATION SYSTEM CONSISTING OF :

1. GAS TURBINE, COMBINED CYCLE, SOLAR, MODEL NO. TITAN 130 T19501S, RATED AT 173,300,000 BTU/HR, NATURAL GAS-FIRED, DRIVING A 13.5-MW ELECTRICAL GENERATOR.
2. EXHAUST HEAT RECOVERY STEAM GENERATOR (HRSG), DELTAK, MODEL SPLIT CROSS-FLOW DINO, PRODUCING 122,000 LBS/HR OF SUPERHEATED STEAM.
3. DUCT BURNER, RATED AT 81,100,000 BTU/HR, NATURAL GAS-FIRED.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL BE FIRED WITH NATURAL GAS ONLY.
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)- OFFSET]
4. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AN AIR POLLUTION CONTROL SYSTEM WHICH IS IN FULL USE AND HAS BEEN ISSUED A PERMIT TO CONSTRUCT BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1)-BACT]
5. THE EMISSIONS AT THE OUTLET OF THE CONTROL SYSTEM SHALL NOT EXCEED THE FOLLOWING LIMITS (AVERAGED OVER ANY ONE HOUR PERIOD):

COMPOUND	PPMV@15% O ₂ DRY
VOLATILE ORGANIC COMPOUNDS (VOC)	2
NITROGEN OXIDES	2
CARBON MONOXIDE	3
[RULE 1303(a)(1)-BACT]	

6. THE OPERATOR SHALL CONDUCT SOURCE TESTS FOR THE POLLUTANTS IDENTIFIED BELOW:



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

POLLUTANT	REQUIRED TEST METHOD	AVERAGING TIME	TEST LOCATION
CO	DISTRICT METHOD 100.1	1 HOUR	OUTLET OF THE SCR
NOx	DISTRICT METHOD 100.1	1 HOUR	OUTLET OF THE SCR
PM	APPROVED DISTRICT METHOD	APPROVED DISTRICT TIME AVERAGE	OUTLET OF THE SCR
VOC	APPROVED DISTRICT METHOD	1 HOUR	OUTLET OF THE SCR
SOX	APPROVED DISTRICT METHOD	APPROVED DISTRICT TIME AVERAGE	FUEL SAMPLE
NH ₃	DISTRICT METHOD 5.3, 207.1 OR EPA METHOD 17	1 HOUR	OUTLET OF THE SCR

THE TEST SHALL BE CONDUCTED AFTER AQMD APPROVAL OF THE SOURCE TEST PROTOCOL, BUT NO LATER THAN 180 DAYS AFTER INITIAL START-UP OF THE TURBINE. THE AQMD SHALL BE NOTIFIED OF THE DATE AND TIME OF THE TEST AT LEAST 10 DAYS PRIOR TO THE TEST.

THE TEST SHALL BE CONDUCTED TO DETERMINE THE OXYGEN LEVELS IN THE EXHAUST. IN ADDITION, THE TEST SHALL RECORD THE FUEL FLOW RATE (CFH), THE FLUE GAS FLOW RATE, AND THE TURBINE GENERATING OUTPUT (MW).

THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH AN AQMD APPROVED SOURCE TEST PROTOCOL. THE PROTOCOL SHALL BE SUBMITTED TO THE AQMD ENGINEER NO LATER THAN 45 DAYS BEFORE THE PROPOSED TEST DATE AND SHALL BE APPROVED BY THE AQMD BEFORE TEST COMMENCES. THE TEST PROTOCOL SHALL INCLUDE THE PROPOSED OPERATING CONDITIONS OF THE TURBINE DURING THE TEST, THE IDENTITY OF THE TESTING LAB, A STATEMENT FROM THE TESTING LAB CERTIFYING THAT IT MEETS THE CRITERIA OF R-304, AND A DESCRIPTION OF ALL SAMPLING AND ANALYTICAL PROCEDURES.

THE TEST SHALL BE CONDUCTED WHEN THE COMBUSTION TURBINE GENERATOR AND DUCT BURNER ARE OPERATING AS CLOSE AS PRACTICABLE TO 100% LOAD, AND WHEN THE COMBUSTION TURBINE GENERATOR IS OPERATING AT 75% AND 50% OF MAXIMUM LOAD.
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

7. THE OPERATOR SHALL PROVIDE TO THE DISTRICT A SOURCE TEST REPORT IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
 - A. SOURCE TEST RESULTS SHALL BE SUBMITTED TO THE DISTRICT NO LATER THAN 60 DAYS AFTER THE SOURCE TEST WAS COMPLETED.
 - B. EMISSION DATA SHALL BE EXPRESSED IN TERMS OF CONCENTRATION (PPMV), CORRECTED TO 15 PERCENT OXYGEN, DRY BASIS.



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

- C. ALL EXHAUST FLOW RATES SHALL BE EXPRESSED IN TERMS OF DRY STANDARD CUBIC FEET PER MINUTE (DSCFM) AND ACTUAL CUBIC FEET PER MINUTE (ACFM).
 - D. ALL MOISTURE CONCENTRATIONS SHALL BE EXPRESSED IN TERMS OF PERCENTAGE BY VOLUME.
 - E. EMISSION DATA SHALL BE EXPRESSED IN TERMS OF MASS RATE (LBS/HR). IN ADDITION, SOLID PM EMISSIONS, IF REQUIRED TO BE TESTED, SHALL ALSO BE REPORTED IN TERMS OF GRAINS PER DSCF.
 - F. EMISSION DATA SHALL BE EXPRESSED IN TERMS OF LBS/MMCF.
 - G. SOURCE TEST RESULTS SHALL ALSO INCLUDE THE OXYGEN LEVELS IN THE EXHAUST, THE FUEL FLOW RATE, AND THE FLUE GAS FLOW RATE UNDER WHICH THE TEST WAS CONDUCTED.
 - H. SOURCE TEST RESULTS SHALL ALSO INCLUDE THE STEAM AND POWER OUTPUT UNDER WHICH THE TEST WAS CONDUCTED.
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
8. THE OPERATOR SHALL CONDUCT SOURCE TESTS FOR THE POLLUTANTS IDENTIFIED BELOW:

POLLUTANT	REQUIRED TEST METHOD	AVERAGING TIME	TEST LOCATION
VOC	APPROVED DISTRICT METHOD	1 HOUR	OUTLET OF THE SCR

- A. THE TESTS SHALL BE CONDUCTED AT LEAST ONCE EVERY THREE YEARS. THE FIRST TEST SHALL BE CONDUCTED WITHIN THREE CALENDAR YEARS OF THE TEST REQUIRED IN CONDITION NO. 6.
 - B. THE TEST RESULTS SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS AFTER THE TEST DATE. THE AQMD SHALL BE NOTIFIED OF THE SCHEDULED TEST DATE AT LEAST 10 DAYS PRIOR TO TESTING SO THAT AN OBSERVER MAY BE PRESENT.
 - C. THE TEST SHALL BE CONDUCTED WHEN THE GAS TURBINE IS OPERATING AS CLOSE AS PRACTICABLE TO 100 PERCENT OF FULL RATED LOAD.
 - D. THE TEST SHALL BE CONDUCTED TO DEMONSTRATE COMPLIANCE WITH THE RULE 1303 CONCENTRATION AND/OR MONTHLY EMISSION LIMITS.
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
9. THE OPERATOR SHALL INSTALL AND MAINTAIN A CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS) TO CONTINUOUSLY MEASURE THE FOLLOWING PARAMETERS:
- CO AND NO_x CONCENTRATIONS IN PPMV.
- A. CONCENTRATIONS SHALL BE CORRECTED TO 15 PERCENT OXYGEN ON A DRY BASIS.



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

- B. THE CEMS SHALL CONVERT THE ACTUAL CO AND NO_x CONCENTRATIONS TO MASS EMISSION RATES (LBS/HR) AND RECORD THE HOURLY EMISSION RATES ON A CONTINUOUS BASIS.
- C. THE CEMS SHALL BE INSTALLED AND OPERATED, IN ACCORDANCE WITH AN APPROVED AQMD RULE 218 AND 218.1 CEMS PLAN APPLICATION. THE OPERATOR SHALL NOT INSTALL THE CEMS PRIOR TO RECEIVING INITIAL APPROVAL FROM AQMD.
- D. THE CEMS SHALL BE INSTALLED AND OPERATED TO MEASURE CO AND NO_x CONCENTRATION OVER A 15 MINUTE AVERAGING TIME PERIOD.
- E. THE CEMS SHALL BE OPERATED AT THE SAME TIME AS THE INITIAL START-UP OF THE TURBINE COGENERATION UNIT. THE CEMS SHALL UNDERGO A SERIES OF CERTIFICATION TESTS WITHIN 90 DAYS OF ITS INSTALLATION IN ACCORDANCE WITH RULE 218(c)(1)(A).
[RULE 1303(a)(1)-BACT]
10. THE 2 PPMV NO_x EMISSION LIMIT SHALL NOT APPLY DURING STARTUP OR THE COMMISSIONING PERIOD. EACH TURBINE STARTUP EVENT SHALL NOT EXCEED 3 HOURS/EVENT DURING THE COMMISSIONING PERIOD AND 2 HOURS/EVENT DURING NORMAL OPERATIONS. THE NUMBER OF STARTUPS SHALL NOT EXCEED 20 EVENTS/CALENDAR YEAR. THE COMMISSIONING PERIOD SHALL NOT EXCEED 90 CALENDAR DAYS OR 500 OPERATING HOURS FROM THE INITIAL START-UP, WHICHEVER IS EARLIER. THE STARTUP EVENTS DURING THE COMMISSIONING PERIOD SHALL NOT COUNT TOWARDS THE ANNUAL LIMIT OF 20 EVENTS/CALENDAR YEAR. THE OPERATOR SHALL PROVIDE THE AQMD WITH WRITTEN NOTICE OF THE INITIAL STARTUP DATE. WRITTEN RECORDS OF COMMISSIONING AND STARTUP DATES AND DURATION OF EACH OPERATION SHALL BE MAINTAINED AND MADE AVAILABLE UPON REQUEST FROM AQMD. THE 2 PPM NO_x LIMIT SHALL APPLY AT ALL OTHER OPERATING TIMES.
[RULE 1303(a)(1)-BACT]
11. THE 3 PPMV CO EMISSION LIMIT SHALL NOT APPLY DURING STARTUP OR THE COMMISSIONING PERIOD. EACH TURBINE STARTUP EVENT SHALL NOT EXCEED 3 HOURS/EVENT DURING THE COMMISSIONING PERIOD AND 2 HOURS/EVENT DURING NORMAL OPERATIONS. THE NUMBER OF STARTUPS SHALL NOT EXCEED 20 EVENTS/CALENDAR YEAR. THE COMMISSIONING PERIOD SHALL NOT EXCEED 90 CALENDAR DAYS OR 500 OPERATING HOURS FROM THE INITIAL START-UP, WHICHEVER IS EARLIER. THE STARTUP EVENTS DURING THE COMMISSIONING PERIOD SHALL NOT COUNT TOWARDS THE ANNUAL LIMIT OF 20 EVENTS/CALENDAR YEAR. THE OPERATOR SHALL PROVIDE THE AQMD WITH WRITTEN NOTICE OF THE INITIAL STARTUP DATE. WRITTEN RECORDS OF COMMISSIONING AND STARTUP DATES AND DURATION OF EACH OPERATION SHALL BE MAINTAINED AND MADE AVAILABLE UPON REQUEST FROM AQMD. THE 3 PPM CO LIMIT SHALL APPLY AT ALL OTHER OPERATING TIMES.
[RULE 1303(a)(1)-BACT]
12. THE 2 PPMV VOC EMISSION LIMIT SHALL NOT APPLY DURING STARTUP OR THE COMMISSIONING PERIOD. EACH TURBINE STARTUP EVENT SHALL NOT EXCEED 3 HOURS/EVENT DURING THE COMMISSIONING PERIOD AND 2 HOURS/EVENT DURING NORMAL OPERATIONS. THE NUMBER OF STARTUPS SHALL NOT EXCEED 20 EVENTS/CALENDAR YEAR.



**FACILITY PERMIT TO OPERATE
UNIV-CAL IRVINE (NSR USE ONLY)**

THE COMMISSIONING PERIOD SHALL NOT EXCEED 90 CALENDAR DAYS OR 500 OPERATING HOURS FROM THE INITIAL START-UP, WHICHEVER IS EARLIER. THE STARTUP EVENTS DURING THE COMMISSIONING PERIOD SHALL NOT COUNT TOWARDS THE ANNUAL LIMIT OF 20 EVENTS/CALENDAR YEAR. THE OPERATOR SHALL PROVIDE THE AQMD WITH WRITTEN NOTICE OF THE INITIAL STARTUP DATE. WRITTEN RECORDS OF COMMISSIONING AND STARTUP DATES AND DURATION OF EACH OPERATION SHALL BE MAINTAINED AND MADE AVAILABLE UPON REQUEST FROM AQMD. THE 2 PPM VOC LIMIT SHALL APPLY AT ALL OTHER OPERATING TIMES.

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

13. THE OPERATOR SHALL LIMIT EMISSIONS FROM THIS EQUIPMENT AS FOLLOWS:

CONTAMINANT	EMISSIONS LIMIT
CO	1,715 LBS IN ANY CALENDAR MONTH
PM10	1,397 LBS IN ANY CALENDAR MONTH
VOC	1305 LBS IN ANY CALENDAR MONTH
SOx	108 LBS IN ANY CALENDAR MONTH

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

14. THE 2 PPMV NO_x EMISSION LIMIT SHALL BE AVERAGED OVER 60 MINUTES AT 15 PERCENT OXYGEN, DRY.
[RULE 1303(a)(1)-BACT]
15. THE 3 PPMV CO EMISSION LIMIT SHALL BE AVERAGED OVER 60 MINUTES AT 15 PERCENT OXYGEN, DRY.
[RULE 1303(a)(1)-BACT]
16. THE 2 PPMV VOC EMISSION LIMIT SHALL BE AVERAGED OVER 60 MINUTES AT 15 PERCENT OXYGEN, DRY.
[RULE 1303(a)(1)-BACT]
17. FOR THE PURPOSES OF DETERMINING COMPLIANCE WITH DISTRICT RULE 475, PARTICULATE MATTER EMISSIONS MAY EXCEED THE CONCENTRATION LIMIT OR THE MASS EMISSION LIMIT LISTED IN THE RULE, BUT NOT BOTH LIMITS AT THE SAME TIME.
[RULE 475]
18. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE PARTICULATE MATTER (PM) EMISSION LIMIT BY CONDUCTING AN ANNUAL SOURCE TEST AT THE OUTLET OF THE SCR USING AQMD METHOD 5.1.

THE ANNUAL SOURCE TEST FREQUENCY SHALL BE REDUCED TO AT LEAST ONCE EVERY FIVE YEARS IF THREE CONSECUTIVE ANNUAL TESTS SHOW COMPLIANCE WITH EITHER THE CONCENTRATION LIMIT OR THE MASS EMISSION LIMIT. NO TEST SHALL BE REQUIRED IN ANY ONE YEAR FOR WHICH THE EQUIPMENT IS NOT IN OPERATION.

[RULE 3004 – PERIODIC MONITORING]



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

19. THE OPERATOR SHALL KEEP RECORDS FROM THE MONITOR AND SOURCE TEST RESULTS REQUIRED BY PERMIT CONDITION NOS. 6, 8, 9 AND 18 FOR A MINIMUM OF FIVE YEARS.
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET, RULE 3004 – PERIODIC MONITORING]
20. THE NATURAL GAS FUEL SUPPLIED TO THIS TURBINE SHALL HAVE A SULFUR CONTENT OF NO MORE THAN 150 PPMV SO₂ (0.015% BY VOLUME) ON A DRY BASIS AT 15% O₂ OR 8000 PPMW (0.8% BY WEIGHT) TOTAL SULFUR.
[40 CFR 60 SUBPART GG]
21. A VALID PURCHASE CONTRACT, TARIFF SHEET OR TRANSPORTATION CONTRACT FOR THE NATURAL GAS FUEL WHICH SPECIFIES THE MAXIMUM TOTAL SULFUR CONTENT SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[40 CFR 60 SUBPART GG]

Emissions And Requirements:

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

NO_x: 199 PPMV, 40CFR 60 SUBPART GG
NO_x: 2 PPMV, RULE 1303(a)(1)-BACT
NO_x: 125 PPM, RULE 476
CO: 3 PPMV, RULE 1303(a)(1)-BACT
CO: 2000 PPMV, RULE 407
VOC: 2 PPMV, RULE 1303(a)(1)-BACT
SO_x: 150 PPMV; 8000 PPMW, 40CFR 60 SUBPART GG
PM: 0.1 GR/SCF, RULE 409
PM: 0.01 GR/SCF; 11LBS/HR, RULE 475, RULE 476



~~FACILITY PERMIT TO OPERATE~~
~~UNIV CAL IRVINE (NSR USE ONLY)~~

PERMIT TO OPERATE

Permit No. F90012
A/N 463910

Equipment Description:

(located at the Student Center)

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 4BTA3.9-G5, TURBOCHARGED, AFTERCOOLED, 4 CYLINDERS, FOUR 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)(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)(4)-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)(4)-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 CAL IRVINE (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)(4)-MODELING AND OFFSET, RULE 1470]

8. THIS EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1470.
[RULE 1470]
9. THE OPERATOR SHALL ONLY USE LOW SULFUR DIESEL FUEL WITH A SULFUR CONTENT OF 15 PPM OR LESS BY WEIGHT.
[RULE 1470, RULE 431.2]
10. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1470, RULE 431.2]

Emissions And Requirements:

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

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



**FACILITY PERMIT TO OPERATE
UNIVERSITY OF CALIFORNIA IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. F90013
A/N 464442**

Equipment Description:

(located at Bio Sci 3)

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. QST30-G5, TURBOCHARGED, AFTERCOOLED, 12 CYLINDERS, FOUR CYCLE, 1490 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)(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)(4)-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)(4)-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 CAL IRVINE (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)(4)-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 CAL IRVINE (NSR USE ONLY)~~

PERMIT TO OPERATE

Permit No. F96301
A/N 475432

Equipment Description:

(located at the Anteatler Recreation Center))

INTERNAL COMBUSTION ENGINE, JOHN DEERE, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 4045HF285J, TURBOCHARGED, AFTERCOOLED, FOUR CYLINDERS, 4-CYCLE, 126 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)(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)(4)-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)(4)-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 CAL IRVINE (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)(4)-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 CAL IRVINE (NSR USE ONLY)

PERMIT TO CONSTRUCT/OPERATE

Permit No. G3746
A/N 495199

Equipment Description:

(located at the New Media Arts Center)

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. QSB5-G3, TURBOCHARGED, FOUR CYLINDERS, 4-CYCLE, 145 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 CAL IRVINE (NSR USE ONLY)**

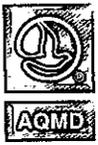
7. THE OPERATOR SHALL KEEP A LOG OF ENGINE OPERATIONS DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND THE SPECIFIC REASON FOR OPERATION AS :
 - A. EMERGENCY USE
 - B. MAINTENANCE AND TESTING
 - C. OTHERS (SPECIFY)

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 CAL IRVINE (NSR USE ONLY)~~

PERMIT TO OPERATE

Permit No. G3747
A/N 498138

Equipment Description:

(located at Irvine Hall East)

INTERNAL COMBUSTION ENGINE, JOHN DEERE, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 5030HF285G, TURBOCHARGED, AFTERCOOLED, FIVE CYLINDERS, 4-CYCLE, 96 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.



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

[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 CAL IRVINE (NSR USE ONLY)~~

PERMIT TO CONSTRUCT/OPERATE

**Permit No. G5395
A/N 500480**

Equipment Description:

(located at the Gross Hall)

INTERNAL COMBUSTION ENGINE, CUMMINS , DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. QST30-G5, TURBOCHARGED, AFTERCOOLED, TWELVE CYLINDERS, 4-CYCLE, 1490 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 12 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING, AND NO MORE THAN ONE (1) HOUR 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 12 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.



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

[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]

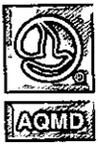
12. MATERIAL SAFETY DATA SHEETS FOR THE DIESEL FUEL USED IN THIS ENGINE SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST

[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 CAL IRVINE (NSR USE ONLY)

PERMIT TO OPERATE

Permit No. G7975
A/N 504436

Equipment Description:

(located at the Central Plant)

BOILER NO.1, BABCOCK & WILCOX, MODEL NO. 21800, RATED AT 34,125,000 BTU/HR., NATURAL GAS OR OIL-FIRED, WITH ONE FORNEY LOW NO_x BURNER, WITH A FLUE GAS RECIRCULATION SYSTEM AND OXYGEN TRIM, AND WITH NO. 2 OR LIGHTER GRADE FUEL OIL AS SECONDARY FUEL.

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 MUST BE FIRED ON NATURAL GAS ONLY, EXCEPT DURING PERIODS OF NATURAL GAS CURTAILMENT OR DURING TESTING WITH THE STANDBY FUEL, NOT TO EXCEED 0.5 HOUR PER MONTH.
[RULE 1303(b)(2)-OFFSET]
4. FUEL OIL SUPPLIED TO THE BURNER MUST BE NO. 2 OR LIGHTER GRADE AS DESCRIBED BY THE LATEST ASTM SPECIFICATIONS AND MUST HAVE A SULFUR CONTENT OF NO MORE THAN 15 PPM BY WEIGHT.
[RULE 431.2]
5. THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN FULL USE WHENEVER THE BOILER IS IN OPERATION.
[RULE 1146, RULE 1303(b)(2)-OFFSET]
6. WHEN OPERATING ON NATURAL GAS, 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. WHEN OPERATING ON FUEL OIL, THIS BOILER SHALL EMIT NO MORE THAN 40 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]
7. THIS BOILER SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1146.
[RULE 1146]



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

8. THIS BOILER SHALL USE NO MORE THAN 90,000 THERMS OF HEAT INPUT FROM ALL FUELS PER CALENDAR YEAR.
[RULE 1146]
9. A NON-RESETTABLE TOTALIZING FUEL METER SHALL BE INSTALLED IN THE FUEL SUPPLY LINE TO THIS BOILER AND MAINTAINED IN GOOD OPERATING CONDITION.
[RULE 1146]
10. RECORDS OF MONTHLY AND ANNUAL FUEL USAGE FOR THIS BOILER SHALL BE PREPARED, SHALL BE RETAINED ON SITE FOR FIVE YEARS, AND SHALL BE MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.
[RULE 1146]
11. THIS BOILER SHALL COMPLY WITH THE TUNE-UP REQUIREMENTS OF RULE 1146(c)(5)(B). THE OPERATOR SHALL CHECK NO_x EMISSIONS WHENEVER A TUNE-UP IS PERFORMED. RECORDS SHALL BE MAINTAINED FOR FIVE YEARS OF THE DATE OF EACH TUNE-UP, THE COMPANY PERFORMING THE TUNE-UP, THE TUNE-UP CO AND O₂ RESULTS AND THE NO_x EMISSIONS.
[RULE 1146]

Periodic Monitoring:

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

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

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



~~FACILITY PERMIT TO OPERATE~~
UNIV. CAL IRVINE (NSR USE ONLY)

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

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

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

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

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

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

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

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

Emissions And Requirements:

15. 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
NOx: 40 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 CAL IRVINE (NSR USE ONLY)**

PERMIT TO OPERATE

**Permit No. G7974
A/N 504437**

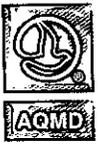
Equipment Description:

(located at the Central Plant)

BOILER NO.2, BABCOCK & WILCOX, MODEL NO. 21800, RATED AT 34,125,000 BTU/HR., NATURAL GAS OR OIL-FIRED, WITH ONE FORNEY LOW NO_x BURNER, WITH A FLUE GAS RECIRCULATION SYSTEM AND OXYGEN TRIM, AND WITH NO. 2 OR LIGHTER GRADE FUEL OIL AS SECONDARY FUEL.

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 MUST BE FIRED ON NATURAL GAS ONLY, EXCEPT DURING PERIODS OF NATURAL GAS CURTAILMENT OR DURING TESTING WITH THE STANDBY FUEL, NOT TO EXCEED 0.5 HOUR PER MONTH.
[RULE 1303(b)(2)-OFFSET]
4. FUEL OIL SUPPLIED TO THE BURNER MUST BE NO. 2 OR LIGHTER GRADE AS DESCRIBED BY THE LATEST ASTM SPECIFICATIONS AND MUST HAVE A SULFUR CONTENT OF NO MORE THAN 15 PPM BY WEIGHT.
[RULE 431.2]
5. THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN FULL USE WHENEVER THE BOILER IS IN OPERATION.
[RULE 1146, RULE 1303(b)(2)-OFFSET]
6. WHEN OPERATING ON NATURAL GAS, 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. WHEN OPERATING ON FUEL OIL, THIS BOILER SHALL EMIT NO MORE THAN 40 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]
7. THIS BOILER SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1146.
[RULE 1146]



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

8. THIS BOILER SHALL USE NO MORE THAN 90,000 THERMS OF HEAT INPUT FROM ALL FUELS PER CALENDAR YEAR.
[RULE 1146]
9. A NON-RESETTABLE TOTALIZING FUEL METER SHALL BE INSTALLED IN THE FUEL SUPPLY LINE TO THIS BOILER AND MAINTAINED IN GOOD OPERATING CONDITION.
[RULE 1146]
10. RECORDS OF MONTHLY AND ANNUAL FUEL USAGE FOR THIS BOILER SHALL BE PREPARED, SHALL BE RETAINED ON SITE FOR FIVE YEARS, AND SHALL BE MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.
[RULE 1146]
11. THIS BOILER SHALL COMPLY WITH THE TUNE-UP REQUIREMENTS OF RULE 1146(c)(5)(B). THE OPERATOR SHALL CHECK NO_x EMISSIONS WHENEVER A TUNE-UP IS PERFORMED. RECORDS SHALL BE MAINTAINED FOR FIVE YEARS OF THE DATE OF EACH TUNE-UP, THE COMPANY PERFORMING THE TUNE-UP, THE TUNE-UP CO AND O₂ RESULTS AND THE NO_x EMISSIONS.
[RULE 1146]

Periodic Monitoring:

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

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

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



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

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

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

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

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

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

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

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

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

Emissions And Requirements:

15. 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
NOx: 40 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-CAL IRVINE (NSR USE ONLY)~~

PERMIT TO OPERATE

**Permit No. G7972
A/N 504438**

Equipment Description:

(located at the Central Plant)

BOILER NO.3, NEBRASKA, MODEL NO. 201495, RATED AT 36,225,000 BTU/HR., NATURAL GAS-FIRED, WITH ONE FORNEY LOW NO_x BURNER, FLUE GAS RECIRCULATION SYSTEM AND OXYGEN TRIM.

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 1303(b)(2)-OFFSET]
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. THIS BOILER SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1146.
[RULE 1146]
7. THIS BOILER SHALL USE NO MORE THAN 90,000 THERMS OF HEAT INPUT FROM NATURAL GAS FUEL PER CALENDAR YEAR.
[RULE 1146]
8. A NON-RESETTABLE TOTALIZING FUEL METER SHALL BE INSTALLED IN THE FUEL SUPPLY LINE TO THIS BOILER AND MAINTAINED IN GOOD OPERATING CONDITION.
[RULE 1146]



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

9. RECORDS OF MONTHLY AND ANNUAL NATURAL GAS FUEL USAGE FOR THIS BOILER SHALL BE PREPARED, SHALL BE RETAINED ON SITE FOR FIVE YEARS, AND SHALL BE MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.
[RULE 1146]

10. THIS BOILER SHALL COMPLY WITH THE TUNE-UP REQUIREMENTS OF RULE 1146(c)(5)(B). THE OPERATOR SHALL CHECK NO_x EMISSIONS WHENEVER A TUNE-UP IS PERFORMED. RECORDS SHALL BE MAINTAINED FOR FIVE YEARS OF THE DATE OF EACH TUNE-UP, THE COMPANY PERFORMING THE TUNE-UP, THE TUNE-UP CO AND O₂ RESULTS AND THE NO_x EMISSIONS.
[RULE 1146]

Emissions And Requirements:

11. 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(b)(2)-OFFSET
CO: 400 PPMV, RULE 1146
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409



~~FACILITY PERMIT TO OPERATE~~
~~UNIV CAL IRVINE (NSR USE ONLY)~~

PERMIT TO OPERATE

Permit No. G7973
A/N 504439

Equipment Description:

(located at the Central Plant)

BOILER NO.4, TRANE-MURRAY, MODEL NO. MCF-2-38, RATED AT 39,000,000 BTU/HR., NATURAL GAS-FIRED, WITH ONE FORNEY LOW NO_x BURNER, FLUE GAS RECIRCULATION SYSTEM AND OXYGEN TRIM.

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 1303(b)(2)-OFFSET]
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. THIS BOILER SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 1146.
[RULE 1146]
7. THIS BOILER SHALL USE NO MORE THAN 90,000 THERMS OF HEAT INPUT FROM NATURAL GAS FUEL PER CALENDAR YEAR.
[RULE 1146]
8. A NON-RESETTABLE TOTALIZING FUEL METER SHALL BE INSTALLED IN THE FUEL SUPPLY LINE TO THIS BOILER AND MAINTAINED IN GOOD OPERATING CONDITION.
[RULE 1146]



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UNIV CAL IRVINE (NSR USE ONLY)**

9. RECORDS OF MONTHLY AND ANNUAL NATURAL GAS FUEL USAGE FOR THIS BOILER SHALL BE PREPARED, SHALL BE RETAINED ON SITE FOR FIVE YEARS, AND SHALL BE MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.
[RULE 1146]

10. THIS BOILER SHALL COMPLY WITH THE TUNE-UP REQUIREMENTS OF RULE 1146(c)(5)(B). THE OPERATOR SHALL CHECK NO_x EMISSIONS WHENEVER A TUNE-UP IS PERFORMED. RECORDS SHALL BE MAINTAINED FOR FIVE YEARS OF THE DATE OF EACH TUNE-UP, THE COMPANY PERFORMING THE TUNE-UP, THE TUNE-UP CO AND O₂ RESULTS AND THE NO_x EMISSIONS.
[RULE 1146]

Emissions And Requirements:

11. 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(b)(2)-OFFSET
CO: 400 PPMV, RULE 1146
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

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



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, BOILER, > 400,000 BTU/HR BUT \leq 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~~
UNIV CAL IRVINE (NSR USE ONLY)

RULE 219 EQUIPMENT

Equipment Description:

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

Emissions And Requirements:

- I. 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



**FACILITY PERMIT TO OPERATE
UNIV CAL IRVINE (NSR USE ONLY)**

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 1411
REFRIGERANT: 40CFR 82 SUBPART F
REFRIGERANT: 40CFR 82 SUBPARTG



~~FACILITY PERMIT TO OPERATE~~
~~UNIV-CAL IRVINE (NSR USE ONLY)~~

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, CHARBROILER.

Periodic Monitoring:

1. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
 - A. DATE
 - B. DAILY OPERATING HOURS
 - C. DAILY AMOUNT OF MEAT COOKED (OR CASHIER'S RECEIPTS WHICH SHOW THE QUANTITY OF CHARBROILER PRODUCTS SOLD EACH DAY)
[RULE 3004 (a)(4)]

Emissions And Requirements:

2. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
PM: 0.1 GR/SCF, RULE 409
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

