



# South Coast Air Quality Management District

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

February 26, 2008

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

RE: Transmittal of Proposed Renewal of Title V Permit  
Biola University  
ID #20445

Dear Mr. Rios:

A handwritten signature in black ink, appearing to read 'Gerardo', is written over the typed name 'Gerardo Rios'.

Enclosed is the above-referenced proposed renewal of a Title V permit along with the facility permit application, a Statement of Basis and public notice. With your receipt of this proposed Title V permit we will note that the EPA 45-day review period has begun.

Questions on the proposed permit should be directed to Maria Vibal, Air Quality Engineer, at (909) 396-2422 or mvibal@aqmd.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Mohsen Nazemi', is written over the typed name 'Mohsen Nazemi, P.E.'.

Mohsen Nazemi, P.E.  
Assistant Deputy Executive Officer  
Engineering and Compliance

MDM:MYL:RGC:MV

Enclosures:

Facility Permit (Proposed Renewal)  
Public Notice  
Statement of Basis  
Facility Permit Application

*Cleaning the air that we breathe.*

## **FACILITY PERMIT TO OPERATE**

**BIOLA UNIVERSITY  
13800 BIOLA AVE  
LA MIRADA, CA 90639**

### **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 \_\_\_\_\_  
Carol Coy  
Deputy Executive Officer  
Engineering & Compliance

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

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## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

### SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: BIOLA UNIVERSITY

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 13800 BIOLA AVE  
LA MIRADA, CA 90639

MAILING ADDRESS: 13800 BIOLA AVE  
LA MIRADA, CA 90639

RESPONSIBLE OFFICIAL: GREG BALSANO

TITLE: VICE PRESIDENT, UNIVERSITY SERVICES

TELEPHONE NUMBER: (562) 944-0351

CONTACT PERSON: BRIAN PHILLIPS

TITLE: DIRECTOR OF FACILITY SERVICES

TELEPHONE NUMBER: (562) 944-0351

TITLE V PERMIT ISSUED: March 26, 2001

TITLE V PERMIT EXPIRATION DATE: March 25, 2006

TITLE V	RECLAIM
YES	NOx: NO SOx: NO CYCLE: 0 ZONE: COASTAL

**FACILITY PERMIT TO OPERATE  
BIOLA UNIVERSITY**

**SECTION B: RECLAIM Annual Emission Allocation**

**NOT APPLICABLE**

**FACILITY PERMIT TO OPERATE  
BIOLA UNIVERSITY**

**SECTION C: FACILITY PLOT PLAN**

(TO BE DEVELOPED)

## **FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY**

### **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 BIOLA UNIVERSITY

### 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
392580	F61809	I C E (>500 HP) NAT GAS
396250	F65437	I C E (>500 HP) NAT GAS
396251	F69024	I C E (>500 HP) NAT GAS
405547	F65436	SELECTIVE CATALYTIC REDUCTION
405548	F69025	SELECTIVE CATALYTIC REDUCTION
430945	F81680	SELECTIVE CATALYTIC REDUCTION

**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 BIOLA UNIVERSITY**

### **FACILITY WIDE CONDITION(S)**

**Condition(s):**

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

## PERMIT TO OPERATE

Permit No. F61809  
A/N 392580

### Equipment Description:

COGENERATION SYSTEM NO. 3 CONSISTING OF:

1. INTERNAL COMBUSTION ENGINE, CATERPILLAR, NATURAL GAS FUELED, COGENERATION, MODEL NO. G3516B-LE, SERIAL NO. CAT00000LCME00261, TURBOCHARGED, AFTERCOOLED, 16 CYLINDERS, LEAN BURN, FOUR CYCLE, 1818 BHP, EQUIPPED WITH CATERPILLAR RAPTOR INJECTION WITH AIR/FUEL RATIO CONTROLLER, DRIVING AN ELECTRICAL GENERATOR.
2. HEAT RECOVERY SYSTEM, CAIN, MODEL NO. HRSR-242D28CSP, SERIAL NO. 3782-2094, PRODUCING 2.43 MMBTU/HR.

### Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THIS EQUIPMENT SHALL BE FIRED WITH NATURAL GAS ONLY.  
[RULE 1110.2, RULE 1303(b)(2)-OFFSET]
4. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AN AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A PERMIT TO OPERATE BY THE EXECUTIVE OFFICER.  
[RULE 1110.2, RULE 1401]
5. THIS EQUIPMENT SHALL COMPLY WITH THE MONITORING AND RECORDKEEPING REQUIREMENTS IN SECTION (f)(1) OF AQMD RULE 1110.2.  
[RULE 1110.2]
6. THE ENGINE EMISSIONS SHALL NOT EXCEED THE FOLLOWING LIMITS:

COMPOUND	PPMV @ 15% OXYGEN DRY BASIS	GRAMS/BHP-HR
VOLATILE ORGANIC COMPOUNDS (VOC)	37	0.15
NITROGEN OXIDES (NO <sub>x</sub> )	13	0.15
CARBON MONOXIDE (CO)	84	0.6

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

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

7. THIS ENGINE SHALL NOT BE OPERATED WITHOUT THE USE OF AN AUTOMATIC AIR-TO-FUEL RATIO CONTROLLER WHICH SHALL BE MAINTAINED AND KEPT IN PROPER OPERATING CONDITIONS AT ALL TIMES AS SPECIFIED BY THE MANUFACTURER.  
[RULE 1110.2, RULE 1303(a)(1)-BACT]
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 1110.2, RULE 1303(a)(1)-BACT, RULE 1401]
9. THIS EQUIPMENT SHALL BE TUNED UP AND MAINTAINED ACCORDING TO THE MANUFACTURER'S RECOMMENDED PROCEDURES. RECORDS OF SUCH TUNE-UPS AND MAINTENANCE SHALL BE KEPT ON FILE FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1110.2, RULE 1303(a)(1)-BACT]

### **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  
CO: 2000 PPMV, RULE 1110.2  
NOx: 52 PPMV, RULE 1110.2  
VOC: 362 PPMV, RULE 1110.2  
CO: 0.6 GRAM/BHP-HR, RULE 1303(a)(1)-BACT  
NOx: 0.15 GRAM/BHP-HR, RULE 1303(a)(1)-BACT  
VOC: 0.15 GRAM/BHP-HR, RULE 1303(a)(1)-BACT

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

### PERMIT TO OPERATE

Permit No. F65437  
A/N 396250

**Equipment Description:**

COGENERATION SYSTEM NO. 1 CONSISTING OF :

1. INTERNAL COMBUSTION ENGINE (E1), CATERPILLAR, NATURAL GAS-FUELED, MODEL NO. G3512-LE, LEAN BURN, TURBOCHARGED, AFTERCOOLED, 12 CYLINDERS, FOUR CYCLE, 861 BHP, DRIVING A 600-KW ELECTRICAL GENERATOR.
2. HEAT RECOVERY SYSTEM, CATERPILLAR, PRODUCING 2.63 MMBTU/HR.

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THIS EQUIPMENT SHALL BE FIRED WITH NATURAL GAS ONLY.  
[RULE 1110.2, RULE 1303(b)(2)-OFFSET]
4. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AN AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A PERMIT TO OPERATE BY THE EXECUTIVE OFFICER.  
[RULE 1110.2, RULE 1401]
5. THE CONTROLLED ENGINE EMISSIONS SHALL NOT EXCEED THE FOLLOWING LIMITS :

COMPOUND	PPMV @ 15% OXYGEN DRY BASIS	GRAMS/BHP-HR
VOLATILE ORGANIC COMPOUNDS (VOC)	35	0.15
NITROGEN OXIDES (NO <sub>x</sub> )	12	0.15
CARBON MONOXIDE (CO)	81	0.6

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

6. THE CATALYTIC CONVERTER TEMPERATURE AND EXHAUST OXYGEN CONCENTRATION SHALL BE MAINTAINED WITHIN THE EFFECTIVE OPERATING RANGE OF THE CATALYTIC CONVERTER AS SPECIFIED BY THE MANUFACTURER.  
[RULE 1110.2, RULE 1401]

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

7. THIS EQUIPMENT SHALL BE TUNED UP AND MAINTAINED ACCORDING TO THE MANUFACTURER'S RECOMMENDED PROCEDURES. RECORDS OF SUCH TUNE-UPS AND MAINTENANCE SHALL BE KEPT ON FILE FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1110.2]

### Periodic Monitoring:

8. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE NOX AND CO EMISSIONS LIMITS BY CONDUCTING A TEST(S) IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

THE TEST SHALL BE CONDUCTED ANNUALLY BY AN INDEPENDENT TESTING LABORATORY USING A PORTABLE ANALYZER AND IN ACCORDANCE WITH AQMD TESTING GUIDELINES (PROTOCOL) FOR PERIODIC MONITORING OF NITROGEN OXIDES, CARBON MONOXIDE AND SULFUR DIOXIDE AT TITLE V FACILITIES

THE TEST SHALL BE CONDUCTED EVERY QUARTER BY THE OPERATOR OR BY AN INDEPENDENT TESTING LABORATORY USING A PORTABLE ANALYZER AND IN ACCORDANCE WITH AQMD TESTING GUIDELINES (PROTOCOL) FOR PERIODIC MONITORING OF NITROGEN OXIDES, CARBON MONOXIDE AND SULFUR DIOXIDE AT TITLE V FACILITIES

THE TEST FREQUENCY SHALL BE INCREASED TO MONTHLY, NO LATER THAN 30 DAYS AFTER THE DISCOVERY OF AN EXCEEDANCE OF AN EMISSION LIMIT(S).

THE MONTHLY TEST FREQUENCY SHALL BE REDUCED TO AT LEAST QUARTERLY, IF THREE CONSECUTIVE MONTHLY TESTS SHOW COMPLIANCE WITH THE EMISSIONS LIMITS.

THE TEST(S) SHALL BE CONDUCTED WHEN THIS EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.

[RULE 3004(a)(4)]

### Emissions And Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
CO: 2000 PPMV, RULE 1110.2  
NOx: 50 PPMV, RULE 1110.2  
VOC: 349 PPMV, RULE 1110.2  
CO: 0.6 GRAM/BHP-HR, RULE 1110.2  
NOx: 0.15 GRAM/BHP-HR, RULE 1110.2  
VOC: 0.15 GRAM/BHP-HR, RULE 1110.2

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

### PERMIT TO OPERATE

Permit No. F69024  
A/N 396251

#### Equipment Description:

COGENERATION SYSTEM NO. 2 CONSISTING OF :

1. INTERNAL COMBUSTION ENGINE (E2), CATERPILLAR, NATURAL GAS-FUELED, MODEL NO. G3512-LE, LEAN BURN, TURBOCHARGED, AFTERCOOLED, 12 CYLINDERS, FOUR CYCLE, 861 BHP, DRIVING A 600-KW ELECTRICAL GENERATOR.
2. HEAT RECOVERY SYSTEM, CATERPILLAR, PRODUCING 2.63 MMBTU/HR.

#### Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THIS EQUIPMENT SHALL BE FIRED WITH NATURAL GAS ONLY.  
[RULE 1110.2, RULE 1303(b)(2)-OFFSET]
4. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AN AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A PERMIT TO OPERATE BY THE EXECUTIVE OFFICER.  
[RULE 1110.2, RULE 1401]
5. THE CONTROLLED ENGINE EMISSIONS SHALL NOT EXCEED THE FOLLOWING LIMITS :

COMPOUND	PPMV @ 15% OXYGEN DRY BASIS	GRAMS/BHP-HR
VOLATILE ORGANIC COMPOUNDS (VOC)	35	0.15
NITROGEN OXIDES (NO <sub>x</sub> )	12.75	0.15
CARBON MONOXIDE (CO)	81	0.6

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

6. THE CATALYTIC CONVERTER TEMPERATURE AND EXHAUST OXYGEN CONCENTRATION SHALL BE MAINTAINED WITHIN THE EFFECTIVE OPERATING RANGE OF THE CATALYTIC CONVERTER AS SPECIFIED BY THE MANUFACTURER.  
[RULE 1110.2, RULE 1401]

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

7. THIS EQUIPMENT SHALL BE TUNED UP AND MAINTAINED ACCORDING TO THE MANUFACTURER'S RECOMMENDED PROCEDURES. RECORDS OF SUCH TUNE-UPS AND MAINTENANCE SHALL BE KEPT ON FILE FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1110.2]

### Periodic Monitoring:

8. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE NOX AND CO EMISSIONS LIMITS BY CONDUCTING A TEST(S) IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

THE TEST SHALL BE CONDUCTED ANNUALLY BY AN INDEPENDENT TESTING LABORATORY USING A PORTABLE ANALYZER AND IN ACCORDANCE WITH AQMD TESTING GUIDELINES (PROTOCOL) FOR PERIODIC MONITORING OF NITROGEN OXIDES, CARBON MONOXIDE AND SULFUR DIOXIDE AT TITLE V FACILITIES

THE TEST SHALL BE CONDUCTED EVERY QUARTER BY THE OPERATOR OR BY AN INDEPENDENT TESTING LABORATORY USING A PORTABLE ANALYZER AND IN ACCORDANCE WITH AQMD TESTING GUIDELINES (PROTOCOL) FOR PERIODIC MONITORING OF NITROGEN OXIDES, CARBON MONOXIDE AND SULFUR DIOXIDE AT TITLE V FACILITIES

THE TEST FREQUENCY SHALL BE INCREASED TO MONTHLY, NO LATER THAN 30 DAYS AFTER THE DISCOVERY OF AN EXCEEDANCE OF AN EMISSION LIMIT(S).

THE MONTHLY TEST FREQUENCY SHALL BE REDUCED TO AT LEAST QUARTERLY, IF THREE CONSECUTIVE MONTHLY TESTS SHOW COMPLIANCE WITH THE EMISSIONS LIMITS.

THE TEST(S) SHALL BE CONDUCTED WHEN THIS EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.

[RULE 3004(a)(4)]

### Emissions And Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
CO: 2000 PPMV, RULE 1110.2  
NOx: 50 PPMV, RULE 1110.2  
VOC: 349 PPMV, RULE 1110.2  
CO: 0.6 GRAM/BHP-HR, RULE 1110.2  
NOx: 0.15 GRAM/BHP-HR, RULE 1110.2  
VOC: 0.15 GRAM/BHP-HR, RULE 1110.2

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

### PERMIT TO OPERATE

Permit No. F65436  
A/N 405547

#### Equipment Description:

AIR POLLUTION CONTROL SYSTEM NO. 1 CONSISTING OF :

1. SELECTIVE CATALYTIC REDUCTION SYSTEM (SCR), JOHNSON MATTHEY, MODEL NO. 1020SS-2C-14, 5'-4" L. X 2'-6" W. X 4'-4" H., WITH A HONEYCOMB TYPE CATALYST BED, WITH FOUR BLOCKS OF NO<sub>x</sub> CATALYST CONSISTING OF TWO LAYERS EACH AND FOUR BLOCKS OF OXIDATION CATALYST CONSISTING OF TWO LAYERS EACH.
2. UREA INJECTION CONTROL SYSTEM, MODEL NO. ARIS 2000-2.
3. UREA STORAGE TANK, 6000 GALLONS, COMMON TO COGENERATION SYSTEM NOS. 2 & 3.
4. EXHAUST SYSTEM VENTING ONE INTERNAL COMBUSTION ENGINE UNDER COGENERATION SYSTEM NO. 1.

#### Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THIS EQUIPMENT SHALL BE IN OPERATION WHENEVER THE EQUIPMENT IT SERVES IS OPERATING, EXCEPT AS OTHERWISE NOTED IN THIS PERMIT.  
[RULE 1110.2]
4. THE NO<sub>x</sub> MONITOR AND UREA INJECTION SYSTEM SHALL BE IN FULL OPERATION WHENEVER THE SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM IS IN USE.  
[RULE 1110.2]
5. SAMPLING PORTS SHALL BE INSTALLED AT THE OUTLET OF THE SCR SYSTEM.  
[RULE 1110.2]
6. THE OPERATOR SHALL INSTALL AND MAINTAIN A TEMPERATURE GAUGE TO ACCURATELY INDICATE THE TEMPERATURE IN DEGREES FAHRENHEIT AT THE INLET AND OUTLET OF THE SCR SYSTEM.  
[RULE 1110.2]

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

7. THE TEMPERATURE OF THE ENGINE EXHAUST AT THE INLET OF THE SCR SYSTEM SHALL BE AT LEAST 600 DEGREES FAHRENHEIT. THE PERIOD DURING WHICH THE TEMPERATURE OF THE EXHAUST GASES ENTERING THE SCR UNIT IS LESS THAN 600 DEGREES FAHRENHEIT SHALL NOT EXCEED TWENTY MINUTES FOR EACH COLD START-UP.  
[RULE 1110.2]
8. THE TEMPERATURE OF THE EXHAUST GASES ENTERING THE SCR UNIT SHALL NOT EXCEED 1000 DEGREES FAHRENHEIT.  
[RULE 1110.2]
9. THE UREA INJECTION SYSTEM SHALL BE OPERATED WHENEVER THE SCR INLET TEMPERATURE EXCEEDS 600 DEGREES FAHRENHEIT.  
[RULE 1110.2]
10. THE HOURLY AVERAGE AMMONIA CONCENTRATION AT THE EXIT OF THE SCR UNIT SHALL NOT EXCEED 10 PPMV CORRECTED TO 15 PERCENT OXYGEN WHEN THE SCR INLET TEMPERATURE EXCEEDS 600 DEGREES FAHRENHEIT.  
[RULE 1110.2, RULE 1401]
11. THE FIFTEEN MINUTE AVERAGE NO<sub>x</sub> CONCENTRATION AT THE EXIT OF THE SCR UNIT SHALL NOT EXCEED 12 PPMV CORRECTED TO 15 PERCENT OXYGEN WHEN THE SCR INLET TEMPERATURE IS ABOVE 600 DEGREES FAHRENHEIT.  
[RULE 1110.2]
12. A DATA GATHERING AND RETRIEVAL SYSTEM SHALL BE INSTALLED AND MAINTAINED TO RECORD THE 15-MINUTE AVERAGE NO<sub>x</sub> CONCENTRATION EXITING THE SCR CORRECTED TO 15 PERCENT OXYGEN AS READ FROM THE NO<sub>x</sub> MONITOR.  
  
RECORDS OF THE ABOVE INFORMATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1110.2]
13. A NO<sub>x</sub> MONITOR SHALL BE INSTALLED AND OPERATED TO MEASURE THE OUTLET NO<sub>x</sub> CONCENTRATION OF THE SELECTIVE CATALYTIC REDUCTION SYSTEM IN ACCORDANCE WITH CONDITION NO. 12. THIS NO<sub>x</sub> MONITOR SHALL BE MAINTAINED AND OPERATED ACCORDING TO THE MANUFACTURER'S RECOMMENDED PROCEDURES. RECORDS OF CALIBRATIONS AND MAINTENANCE FOR THE MONITOR SHALL BE KEPT ON FILE FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1110.2]
14. THE AMMONIA SLIP FOR THIS EQUIPMENT SHALL BE TESTED AT LEAST ONCE PER CALENDAR YEAR. THE TEST SHALL BE CONDUCTED USING AN AQMD-APPROVED TEST METHOD. RECORDS OF THE AMMONIA SLIP TEST SHALL BE KEPT ON FILE FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1110.2]
15. THIS SCR SYSTEM SHALL BE INSPECTED AND MAINTAINED ACCORDING TO THE MANUFACTURER'S RECOMMENDED PROCEDURES. INSPECTION AND MAINTENANCE RECORDS SHALL BE KEPT ON FILE FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

[RULE 1110.2]

### **Emissions And Requirements:**

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

NH3: 10 PPMV, RULE 1401

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

### PERMIT TO OPERATE

Permit No. F69025  
A/N 405548

#### Equipment Description:

AIR POLLUTION CONTROL SYSTEM NO. 2 CONSISTING OF :

1. SELECTIVE CATALYTIC REDUCTION SYSTEM (SCR), JOHNSON MATTHEY, MODEL NO. 1020SS-2C-14, 5'-4" L. X 2'-6" W. X 4'-4" H., WITH A HONEYCOMB TYPE CATALYST BED, WITH FOUR BLOCKS OF NO<sub>x</sub> CATALYST CONSISTING OF TWO LAYERS EACH AND FOUR BLOCKS OF OXIDATION CATALYST CONSISTING OF TWO LAYERS EACH.
2. UREA INJECTION CONTROL SYSTEM, MODEL NO. ARIS 2000-2.
3. UREA STORAGE TANK, 6000 GALLONS, COMMON TO COGENERATION SYSTEM NOS. 1 & 3.
4. EXHAUST SYSTEM VENTING ONE INTERNAL COMBUSTION ENGINE UNDER COGENERATION SYSTEM NO. 2.

#### Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THIS EQUIPMENT SHALL BE IN OPERATION WHENEVER THE EQUIPMENT IT SERVES IS OPERATING, EXCEPT AS OTHERWISE NOTED IN THIS PERMIT.  
[RULE 1110.2]
4. THE NO<sub>x</sub> MONITOR AND UREA INJECTION SYSTEM SHALL BE IN FULL OPERATION WHENEVER THE SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM IS IN USE.  
[RULE 1110.2]
5. SAMPLING PORTS SHALL BE INSTALLED AT THE OUTLET OF THE SCR SYSTEM.  
[RULE 1110.2]
6. THE OPERATOR SHALL INSTALL AND MAINTAIN A TEMPERATURE GAUGE TO ACCURATELY INDICATE THE TEMPERATURE IN DEGREES FAHRENHEIT AT THE INLET AND OUTLET OF THE SCR SYSTEM.  
[RULE 1110.2]

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

7. THE TEMPERATURE OF THE ENGINE EXHAUST AT THE INLET OF THE SCR SYSTEM SHALL BE AT LEAST 600 DEGREES FAHRENHEIT. THE PERIOD DURING WHICH THE TEMPERATURE OF THE EXHAUST GASES ENTERING THE SCR UNIT IS LESS THAN 600 DEGREES FAHRENHEIT SHALL NOT EXCEED TWENTY MINUTES FOR EACH COLD START-UP.  
[RULE 1110.2]
8. THE TEMPERATURE OF THE EXHAUST GASES ENTERING THE SCR UNIT SHALL NOT EXCEED 1000 DEGREES FAHRENHEIT.  
[RULE 1110.2]
9. THE UREA INJECTION SYSTEM SHALL BE OPERATED WHENEVER THE SCR INLET TEMPERATURE EXCEEDS 600 DEGREES FAHRENHEIT.  
[RULE 1110.2]
10. THE HOURLY AVERAGE AMMONIA CONCENTRATION AT THE EXIT OF THE SCR UNIT SHALL NOT EXCEED 10 PPMV CORRECTED TO 15 PERCENT OXYGEN WHEN THE SCR INLET TEMPERATURE EXCEEDS 600 DEGREES FAHRENHEIT.  
[RULE 1110.2, RULE 1401]
11. THE FIFTEEN MINUTE AVERAGE NO<sub>x</sub> CONCENTRATION AT THE EXIT OF THE SCR UNIT SHALL NOT EXCEED 12.75 PPMV CORRECTED TO 15 PERCENT OXYGEN WHEN THE SCR INLET TEMPERATURE IS ABOVE 600 DEGREES FAHRENHEIT.  
[RULE 1110.2]
12. A DATA GATHERING AND RETRIEVAL SYSTEM SHALL BE INSTALLED AND MAINTAINED TO RECORD THE 15-MINUTE AVERAGE NO<sub>x</sub> CONCENTRATION EXITING THE SCR CORRECTED TO 15 PERCENT OXYGEN AS READ FROM THE NO<sub>x</sub> MONITOR.  
  
RECORDS OF THE ABOVE INFORMATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1110.2]
13. A NO<sub>x</sub> MONITOR SHALL BE INSTALLED AND OPERATED TO MEASURE THE OUTLET NO<sub>x</sub> CONCENTRATION OF THE SELECTIVE CATALYTIC REDUCTION SYSTEM IN ACCORDANCE WITH CONDITION NO. 12. THIS NO<sub>x</sub> MONITOR SHALL BE MAINTAINED AND OPERATED ACCORDING TO THE MANUFACTURER'S RECOMMENDED PROCEDURES. RECORDS OF CALIBRATIONS AND MAINTENANCE FOR THE MONITOR SHALL BE KEPT ON FILE FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1110.2]
14. THE AMMONIA SLIP FOR THIS EQUIPMENT SHALL BE TESTED AT LEAST ONCE PER CALENDAR YEAR. THE TEST SHALL BE CONDUCTED USING AN AQMD-APPROVED TEST METHOD. RECORDS OF THE AMMONIA SLIP TEST SHALL BE KEPT ON FILE FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1110.2]
15. THIS SCR SYSTEM SHALL BE INSPECTED AND MAINTAINED ACCORDING TO THE MANUFACTURER'S RECOMMENDED PROCEDURES. INSPECTION AND MAINTENANCE RECORDS SHALL BE KEPT ON FILE FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

[RULE 1110.2]

### **Emissions And Requirements:**

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

NH3: 10 PPMV, RULE 1401

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

### PERMIT TO OPERATE

Permit No. F81680  
A/N 430945

#### Equipment Description:

AIR POLLUTION CONTROL SYSTEM NO. 3 CONSISTING OF :

1. SELECTIVE CATALYTIC REDUCTION SYSTEM (SCR), JOHNSON MATTHEY, MODEL NO. 2015SS-18, WITH A HONEYCOMB TYPE CATALYST BED, WITH EIGHT WHOLE (24" L. X 24" W. X 3 1/2" H) AND EIGHT HALF (12" L. X 24" W. X 3 1/2" H) BLOCKS OF NO<sub>x</sub> CATALYST COMPRISING FOUR LAYERS.
2. OXIDATION CATALYST SYSTEM, JOHNSON MATTHEY, MODEL NO. 1020SS-18, WITH A HONEYCOMB TYPE CATALYST BED, WITH TWO WHOLE BLOCKS OF OXIDATION CATALYST CONSISTING OF ONE LAYER, ONE BLOCK WIDE X TWO BLOCKS HIGH.
3. UREA INJECTION CONTROL SYSTEM, JOHNSON MATTHEY, EQUIPPED WITH AIR ATOMIZING NOZZLES.
4. COOLING BLOWER, NEW YORK BLOWER CO., MODEL NO. 2410A, 1800 CFM.
5. UREA STORAGE TANK, 6000 GALLONS, COMMON TO COGENERATION SYSTEM NOS. 1 & 2.
6. A CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS) AT THE OUTLET OF THE SCR.
7. EXHAUST SYSTEM VENTING ONE INTERNAL COMBUSTION ENGINE UNDER COGENERATION SYSTEM NO. 3.

#### 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 1110.2, RULE 1303(a)(1)-BACT]
4. THE NO<sub>x</sub> MONITOR AND UREA INJECTION SYSTEM SHALL BE IN FULL OPERATION WHENEVER THE SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM IS IN USE.  
[RULE 1110.2, RULE 1303(a)(1)-BACT]

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5. SAMPLING PORTS SHALL BE INSTALLED AT THE OUTLET OF THE SCR SYSTEM.  
[RULE 1110.2, RULE 1303(a)(1)-BACT]
6. THE OPERATOR SHALL INSTALL AND MAINTAIN A TEMPERATURE GAUGE TO ACCURATELY INDICATE THE TEMPERATURE IN DEGREES FAHRENHEIT AT THE INLET AND OUTLET OF THE SCR SYSTEM.  
[RULE 1110.2, RULE 1303(a)(1)-BACT]
7. THE TEMPERATURE OF THE ENGINE EXHAUST AT THE INLET OF THE SCR SYSTEM SHALL BE AT LEAST 600 DEGREES FAHRENHEIT. THE PERIOD DURING WHICH THE TEMPERATURE OF THE EXHAUST GASES ENTERING THE SCR UNIT IS LESS THAN 600 DEGREES FAHRENHEIT SHALL NOT EXCEED THIRTY MINUTES FOR EACH COLD START-UP.  
[RULE 1110.2, RULE 1303(a)(1)-BACT]
8. THE TEMPERATURE OF THE EXHAUST GASES ENTERING THE SCR UNIT SHALL NOT EXCEED 850 DEGREES FAHRENHEIT.  
[RULE 1110.2, RULE 1303(a)(1)-BACT]
9. THE UREA INJECTION SYSTEM SHALL BE OPERATED WHENEVER THE SCR INLET TEMPERATURE EXCEEDS 600 DEGREES FAHRENHEIT.  
[RULE 1110.2, RULE 1303(a)(1)-BACT]
10. THE HOURLY AVERAGE AMMONIA CONCENTRATION AT THE EXIT OF THE SCR UNIT SHALL NOT EXCEED 10 PPMV CORRECTED TO 15 PERCENT OXYGEN WHEN THE SCR INLET TEMPERATURE EXCEEDS 600 DEGREES FAHRENHEIT.  
[RULE 1110.2, RULE 1303(a)(1)-BACT]
11. A DATA GATHERING AND RETRIEVAL SYSTEM SHALL BE INSTALLED AND MAINTAINED TO RECORD THE FOLLOWING INFORMATION :
  - A. THE DATE AND TIME.
  - B. THE HOURLY AVERAGE AMOUNT OF FUEL USED.
  - C. THE 15-MINUTE AVERAGE NO<sub>x</sub> CONCENTRATION EXITING THE SCR CORRECTED TO 15 PERCENT OXYGEN AS READ FROM THE NO<sub>x</sub> MONITOR AND CEMS.
  - D. THE EXHAUST GAS INLET AND OUTLET TEMPERATURE TO THE SCR UNIT.
  - E. THE UREA INJECTION RATE IN LBS/HR.
  - F. THE TOTAL TIME ELAPSED FROM COLD START-UP TO REACHING AN SCR INLET TEMPERATURE OF 600 DEGREES FAHRENHEIT.
  - G. THE RATIO OF THE AMMONIA MOLAR FLOW RATE TO THE INLET NO<sub>x</sub> MOLAR FLOW RATE.RECORDS OF THE ABOVE INFORMATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1110.2, RULE 1303(a)(1)-BACT]
12. A NO<sub>x</sub> MONITOR SHALL BE INSTALLED AND OPERATED TO MEASURE THE OUTLET NO<sub>x</sub> CONCENTRATION OF THE SELECTIVE CATALYTIC REDUCTION SYSTEM IN ACCORDANCE WITH CONDITION NO. 11C. THIS NO<sub>x</sub> MONITOR SHALL BE MAINTAINED AND OPERATED ACCORDING TO THE MANUFACTURER'S RECOMMENDED PROCEDURES. RECORDS OF CALIBRATIONS AND MAINTENANCE FOR THE MONITOR SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

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[RULE 1110.2, RULE 1303(a)(1)-BACT]

13. THE AMMONIA SLIP FOR THIS EQUIPMENT SHALL BE TESTED AT LEAST ONCE PER CALENDAR YEAR. THE TEST SHALL BE CONDUCTED USING AN AQMD-APPROVED TEST METHOD. RECORDS OF THE AMMONIA SLIP TEST SHALL BE KEPT ON FILE FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1110.2, RULE 1303(a)(1)-BACT]
14. THIS SCR SYSTEM SHALL BE INSPECTED AND MAINTAINED ACCORDING TO THE MANUFACTURER'S RECOMMENDED PROCEDURES. INSPECTION AND MAINTENANCE RECORDS SHALL BE KEPT ON FILE FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1110.2, RULE 1303(a)(1)-BACT]
15. A CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS) APPROVED BY AQMD ACCORDING TO RULES 218, 218.1 AND 1110.2 SHALL BE INSTALLED AND MAINTAINED. IT SHALL MEASURE, OVER A FIFTEEN MINUTE AVERAGE TIME PERIOD, AND RECORD THE INTERNAL COMBUSTION ENGINE EXHAUST STACK FOR NO<sub>x</sub> AND O<sub>2</sub> CONCENTRATIONS, ON A DRY BASIS. THE SYSTEM SHALL ALSO CONVERT THE ACTUAL NO<sub>x</sub> CONCENTRATIONS TO A CORRECTED CONCENTRATION AT 15 PERCENT OXYGEN, ON A DRY BASIS, AND CONTINUOUSLY RECORD THE CORRECTED STACK NO<sub>x</sub> CONCENTRATIONS. THIS MONITORING SYSTEM SHALL BE CERTIFIED IN ACCORDANCE WITH THE REQUIREMENTS OF RULES 218 AND 218.1.  
[RULE 218, RULE 218.1, RULE 1110.2, RULE 1303(b)(2)-OFFSET]
16. THE CEMS SHALL BE EQUIPPED WITH A WARNING DEVICE WHICH SHALL ACTIVATE WHEN THE NO<sub>x</sub> CONCENTRATION, AVERAGED OVER 15 MINUTES, EXCEEDS THE EMISSION LIMIT OF 13 PPMVD AT 15% OXYGEN.  
[RULE 1110.2, RULE 1303(a)(1)-BACT]
17. RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITION NO. 15. THESE RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1303(b)(2)-OFFSET]

### **Emissions And Requirements:**

18. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS :  
  
NH<sub>3</sub>: 10 PPMV, RULE 1401, RULE 1303(a)(1)-BACT  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

### 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 BIOLA UNIVERSITY**

### **RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, HAND WIPING OPERATIONS.

**Emissions And Requirements:**

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

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

### Equipment Description:

RULE 219 EXEMPT EQUIPMENT, BOILER, >> 400,000 BTU/HR BUT <2 MMBTU/HR

### Emissions And Requirements:

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

PM: 0.1 gr/scf, RULE 409  
NOx: 30 PPMV, RULE 1146.2  
CO: 400 PPMV, RULE 1146.2  
CO: 2000 PPMV, RULE 407

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS

**Emissions And Requirements:**

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

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

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, REFRIGERATION UNITS

**Emissions And Requirements:**

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

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

## **FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY**

### **Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, COOLING TOWERS

### **Emissions And Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
CR<sup>+6</sup>: RULE 1404

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

**Equipment Description:**

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

**Emissions And Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
REFRIGERANT: RULE 1415  
REFRIGERANT: 40CFR 82 SUBPART F  
REFRIGERANT: 40CFR 82 SUBPART G

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

### SECTION E: ADMINISTRATIVE CONDITIONS

The operating conditions in this section shall apply to all permitted equipment at this facility unless superseded by condition(s) listed elsewhere in this permit.

1. The permit shall remain effective unless this permit is suspended, revoked, modified, reissued, denied, or it is expired for nonpayment of permit processing or annual operating fees. [201, 203, 209, 301]
  - a. The permit must be renewed annually by paying annual operating fees, and the permit shall expire if annual operating fees are not paid pursuant to requirements of Rule 301(d). [301(d)]
  - b. The Permit to Construct listed in Section H shall expire one year from the Permit to Construct issuance date, unless a Permit to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the Executive Officer prior to the operation of the equipment, in which case the Permit to Construct serves as a temporary Permit to Operate. [202, 205]
  - c. The Title V permit shall expire as specified under Section K of the Title V permit. The permit expiration date of the Title V facility permit does not supercede the requirements of Rule 205. [205, 3004]
2. The operator shall maintain all equipment in such a manner that ensures proper operation of the equipment. [204]
3. This permit does not authorize the emissions 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 and Regulations of the AQMD. This permit cannot be considered as permission to violate existing laws, ordinances, regulations, or statutes of other governmental agencies. [204]
4. The operator shall not use equipment identified in this facility permit as being connected to air pollution control equipment unless they are so vented to the identified air pollution control equipment which is in full use and which has been included in this permit. [204]
5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation. [204]
6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to AQMD personnel upon request and be maintained for at least five years. [204]

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

### SECTION E: ADMINISTRATIVE CONDITIONS

7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by AQMD rules or permit conditions: [204]
  - a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134]
  - b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
  - c. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes; [204]
  - d. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compounds which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO<sub>2</sub>) and be averaged over 15 consecutive minutes; [407]
  - e. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent of carbon dioxide (CO<sub>2</sub>) at standard conditions and averaged over a minimum of 15 consecutive minutes. [409]
  - f. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O<sub>2</sub>) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]
  
8. The operator shall, when a source test is required by AQMD, provide a source test protocol to AQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by AQMD. The test protocol shall contain the following information: [204, 304]
  - a. Brief description of the equipment tested.
  - b. Brief process description, including maximum and normal operating temperatures, pressures, throughput, etc.
  - c. Operating conditions under which the test will be performed.
  - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts and stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream)

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

### SECTION E: ADMINISTRATIVE CONDITIONS

- e. Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.
  - f. Description of calibration and quality assurance procedures.
  - g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (conflict of interest).
9. The operator shall submit a report no later than 60 days after conducting a source test, unless otherwise required by AQMD rules or equipment-specific conditions. The report shall contain the following information: [204]
- a. The results of the source test.
  - b. Brief description of the equipment tested.
  - c. Operating conditions under which the test was performed.
  - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts and stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream)
  - e. Field and laboratory data forms, strip charts and analyses.
  - f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.
10. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of AQMD Source Test Method 1.1 and 1.2. [217]
11. Whenever required to submit a written report, notification or other submittal to the Executive Officer, AQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, AQMD, 21865 E. Copley Drive, Diamond Bar, CA 91765-4182. [204]

**FACILITY PERMIT TO OPERATE  
BIOLA UNIVERSITY**

**SECTION F: RECLAIM Monitoring and Source Testing Requirements**

**NOT APPLICABLE**

**FACILITY PERMIT TO OPERATE  
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**SECTION G: Recordkeeping and Reporting Requirements for RECLAIM Sources**

**NOT APPLICABLE**

**FACILITY PERMIT TO OPERATE  
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**SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

See Section D of this permit for any Permit to Construct issued to this facility.

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

### SECTION I: PLANS AND SCHEDULES

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules.

NONE

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX - Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.

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SECTION J: AIR TOXICS

NOT APPLICABLE

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

### SECTION K: TITLE V Administration

#### GENERAL PROVISIONS

1. This permit may be revised, revoked, reopened and reissued, or terminated for cause, or for failure to comply with regulatory requirements, permit terms, or conditions. [3004(a)(7)(C)]
2. This permit does not convey any property rights of any sort or any exclusive privilege. [3004(a)(7)(E)]

#### Permit Renewal and Expiration

3. (A) Except for solid waste incineration facilities subject to standards under Section 129(e) of the Clean Air Act, this permit shall expire five years from the date that the initial Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]  
(B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]
4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

#### Duty to Provide Information

5. The applicant for, or holder of, a Title V permit shall furnish, pursuant to Rule 3002(d) and (e), timely information and records to the Executive Officer or designee within a reasonable time as specified in writing by the Executive Officer or designee. [3004(a)(7)(F)]

#### Payment of Fees

6. The operator shall pay all required fees specified in Regulation III - Fees. [3004(a)(7)(G)]

#### Reopening for Cause

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:
  - (A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

### SECTION K: TITLE V Administration

- (B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
- (C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

### COMPLIANCE PROVISIONS

8. The operator shall comply with all regulatory requirements, and all permit terms and conditions, except:
- (A) As provided for by the emergency provisions of condition no. 17 or condition no. 18, or
  - (B) As provided by an alternative operating condition granted pursuant to a federally approved (SIP-approved) Rule 518.2.

Any non-compliance with any federally enforceable permit condition constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or denial of a permit renewal application. Non-compliance may also be grounds for civil or criminal penalties under the California State Health and Safety Code. [3004(a)(7)(A)]

9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:
- (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;
  - (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
  - (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
  - (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]
10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

### SECTION K: TITLE V Administration

11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]
12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]
13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]
14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]
15. Nothing in this permit or in any permit shield can alter or affect:
  - (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;
  - (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;
  - (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;
  - (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;
  - (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and
  - (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]
16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after

## **FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY**

### **SECTION K: TITLE V Administration**

commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]

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### SECTION K: TITLE V Administration

#### EMERGENCY PROVISIONS

17. An emergency<sup>1</sup> constitutes an affirmative defense to an action brought for non-compliance with a technology-based emission limit only if:
- (A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:
    - (1) An emergency occurred and the operator can identify the cause(s) of the emergency;
    - (2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;
    - (3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,
    - (4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and
  - (B) The operator complies with the breakdown provisions of Rule 430 - Breakdown Provisions, or subdivision (i) of Rule 2004 - Requirements, whichever is applicable. [3002(g), 430, 2004(i)]
18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

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<sup>1</sup> "Emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the operator, including acts of God, which: (A) requires immediate corrective action to restore normal operation; and (B) causes the facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency; and (C) is not caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

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#### RECORDKEEPING PROVISIONS

19. In addition to any other recordkeeping requirements specified elsewhere in this permit, the operator shall keep records of required monitoring information, where applicable, that include:
- (A) The date, place as defined in the Title V permit, and time of sampling or measurements;
  - (B) The date(s) analyses were performed;
  - (C) The company or entity that performed the analyses;
  - (D) The analytical techniques or methods used;
  - (E) The results of such analyses; and
  - (F) The operating conditions as existing at the time of sampling or measurement. [3004(a)(4)(B)]
20. The operator shall maintain records pursuant to Rule 109 and any applicable material safety data sheet (MSDS) for any equipment claimed to be exempt from a written permit by Rule 219 based on the information in those records. [219(t)]
21. The operator shall keep all records of monitoring data required by this permit or by regulatory requirements for a period of at least five years from the date of the monitoring sample, measurement, report, or application. [3004(a)(4)(E)]

#### REPORTING PROVISIONS

22. The operator shall comply with the following requirements for prompt reporting of deviations:
- (A) Breakdowns shall be reported as required by Rule 430 - Breakdown Provisions or subdivision (i) of Rule 2004 - Requirements, whichever is applicable.
  - (B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.

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- (C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.
  - (D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]
23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]
24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:
- (A) Identification of each permit term or condition that is the basis of the certification;
  - (B) The compliance status during the reporting period;
  - (C) Whether compliance was continuous or intermittent;
  - (D) The method(s) used to determine compliance over the reporting period and currently, and
  - (E) Any other facts specifically required by the Executive Officer to determine compliance.

The EPA copy of the certification shall be sent to: Director of the Air Division Attn: Air-3 USEPA, Region IX 75 Hawthorne St. San Francisco, CA 94105 [3004(a)(10)(E)]

25. All records, reports, and documents required to be submitted by a Title V operator to AQMD or EPA shall contain a certification of accuracy consistent with Rule 3003(c)(7) by a responsible official (as defined in Rule 3000). [3004(a)(12)]

## **FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY**

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#### **PERIODIC MONITORING**

26. All periodic monitoring required by this permit pursuant to Rule 3004(a)(4)(c) is based on the requirements and justifications in the AQMD document "Periodic Monitoring Guidelines for Title V Facilities" or in case-by-case determinations documented in the Title V application file. [3004(a)(4)]

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

### SECTION K: TITLE V Administration

**FACILITY RULES**

*This facility is subject to the following rules and regulations:*

With the exception of Rule 402, 473, 477, 1118 and Rules 1401 through 1420, the following rules that are designated as non-federally enforceable are pending EPA approval as part of the state implementation plan. Upon the effective date of that approval, the approved rule(s) will become federally enforceable, and any earlier versions of those rules will no longer be federally enforceable.

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 104	1-9-1976	Federally enforceable
RULE 1110.2	6-3-2005	Non federally enforceable
RULE 1113	11-8-1996	Federally enforceable
RULE 1113	7-13-2007	Non federally enforceable
RULE 1146.2	1-7-2005	Non federally enforceable
RULE 1146.2	1-9-1998	Federally enforceable
RULE 1171	11-7-2003	Federally enforceable
RULE 1171	7-14-2006	Non federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 1401	6-15-2001	Non federally enforceable
RULE 1404	4-6-1990	Non federally enforceable
RULE 1415	10-14-1994	Non federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 218	5-14-1999	Non federally enforceable
RULE 218	8-7-1981	Federally enforceable
RULE 218.1	5-14-1999	Non federally enforceable
RULE 219	6-1-2007	Non federally enforceable
RULE 219	9-4-1981	Federally enforceable
RULE 2202	2-6-2004	Non federally enforceable
RULE 3002	11-14-1997	Federally enforceable
RULE 3003	11-14-1997	Federally enforceable
RULE 3003	3-16-2001	Non federally enforceable
RULE 3004	12-12-1997	Federally enforceable
RULE 3005	11-14-1997	Federally enforceable
RULE 3005	3-16-2001	Non federally enforceable
RULE 3007	10-8-1993	Federally enforceable

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<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 304	6-9-2006	Non federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 401	3-2-1984	Federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable
RULE 431.1	6-12-1998	Federally enforceable
RULE 701	6-13-1997	Federally enforceable
40CFR 82 Subpart F	5-14-1993	Federally enforceable

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APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN  
PERMIT PURSUANT TO RULE 219

NONE

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#### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 11-8-1996]

- (1) Except as provided in paragraphs (c)(2), (c)(3), and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, or solicit the application of, any architectural coating which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, or manufacture, blend, or repackage such a coating for use within the District.
- (2) Except as provided in paragraphs (c)(3) and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, solicit the application of, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified.

#### TABLE OF STANDARDS

#### VOC LIMITS

#### Grams of VOC Per Liter of Coating, Less Water And Less Exempt Compounds

COATING	Limit*	Effective Date of Adoption	Effective 1/1/1998	Effective 1/1/1999	Effective 7/1/2001	Effective 1/1/2005	Effective 7/1/2008
Bond Breakers	350						
Clear Wood Finishes							
Varnish	350						
Sanding Sealers	350						
Lacquer	680		550			275	
Concrete-Curing Compounds	350						
Dry-Fog Coatings	400						
Fire-proofing Exterior Coatings	350	450		350			
Fire-Retardant Coatings							
Clear	650						
Pigmented	350						
Flats	250					100	
Graphic Arts (Sign) Coatings	500						50
Industrial Maintenance							

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#### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 11-8-1996]

Primers and Topcoats						
Alkyds	420					
Catalyzed Epoxy	420					
Bituminous Coatings	420					
Materials						
Inorganic Polymers	420					
Vinyl Chloride Polymers	420					
Chlorinated Rubber	420					
Acrylic Polymers	420					
Urethane Polymers	420					
Silicones	420					
Unique Vehicles	420					
Japans/Faux Finishing	350	700		350		
Coatings						
Magnesite Cement Coatings	600			450		
Mastic Coatings	300					
Metallic Pigmented Coatings	500					
Multi-Color Coatings	420		250			
Pigmented Lacquer	680		550			275
Pre-Treatment Wash Primers	780					
Primers, Sealers, and	350					
Undercoaters						
Quick-Dry Enamels	400					
Roof Coatings	300					
Shellac						
Clear	730					
Pigmented	550					
Stains	350					
Swimming Pool Coatings						
Repair	650					
Other	340					
Traffic Coatings	250		150			
Waterproofing Sealers	400					
Wood Preservatives						
Below-Ground	350					
Other	350					

\* The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards

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**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1113 11-8-1996]**

**TABLE OF STANDARDS (cont.)**

**VOC LIMITS**

**Grams of VOC Per Liter of Material**

<b>COATING</b>	<b>Limit</b>
Low-Solids Coating	120

## **FACILITY PERMIT TO OPERATE**

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#### **APPENDIX B: RULE EMISSION LIMITS [RULE 1113 7-13-2007]**

- (1) Except as provided in paragraphs (c)(2), (c)(3), (c)(4), and specified coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage any architectural coating for use in the District which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, and no person shall apply or solicit the application of any architectural coating within the District that exceeds 250 grams of VOC per liter of coating as calculated in this paragraph.
- (2) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified, and no person shall apply or solicit the application of any architectural coating within the District that exceeds the VOC limit as specified in this paragraph. No person shall apply or solicit the application within the District of any industrial maintenance coatings, except anti-graffiti coatings, for residential use or for use in areas such as office space and meeting rooms of industrial, commercial or institutional facilities not exposed to such extreme environmental conditions described in the definition of industrial maintenance coatings; or of any rust-preventative coating for industrial use, unless such a rust preventative coating complies with the Industrial Maintenance Coating VOC limit specified in the Table of Standards.

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### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 7-13-2007]

#### TABLE OF STANDARDS VOC LIMITS

*Grams of VOC Per Liter of Coating,  
 Less Water and Less Exempt Compounds*

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Bond Breakers	350							
Clear Wood Finishes	350					275		
Varnish	350					275		
Sanding Sealers	350					275		
Lacquer	680	550			275			
Clear Brushing Lacquer	680				275			
Concrete-Curing Compounds	350						100	
Concrete-Curing Compounds For Roadways and Bridges**	350							
Dry-Fog Coatings	400						150	
Fire-Proofing Exterior Coatings	450	350						
Fire-Retardant Coatings***								
Clear	650							
Pigmented	350							
Flats	250	100						50
Floor Coatings	420		100			50		
Graphic Arts (Sign) Coatings	500							
Industrial Maintenance (IM) Coatings	420			250		100		
High Temperature IM Coatings			420					
Zinc-Rich IM Primers	420		340			100		
Japans/Faux Finishing Coatings	700	350						
Magnesite Cement Coatings	600	450						
Mastic Coatings	300							
Metallic Pigmented Coatings	500							
Multi-Color Coatings	420	250						
Nonflat Coatings	250		150			50		
Nonflat High Gloss	250		150				50	

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### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 7-13-2007]

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Pigmented Lacquer	680	550			275			
Pre-Treatment Wash Primers	780		420					
Primers, Sealers, and Undercoaters	350		200			100		
Quick-Dry Enamels	400		250			150	50	
Quick-Dry Primers, Sealers, and Undercoaters	350		200			100		
Recycled Coatings			250					
Roof Coatings	300		250		50			
Roof Coatings, Aluminum	500				100			
Roof Primers, Bituminous	350		350					
Rust Preventative Coatings	420		400			100		
Shellac								
Clear	730							
Pigmented	550							
Specialty Primers	350					250	100	
Stains	350		250				100	
Stains, Interior	250							
Swimming Pool Coatings								
Repair	650		340					
Other	340							
Traffic Coatings	250	150					100	
Waterproofing Sealers	400		250			100		
Waterproofing Concrete/Masonry Sealers	400					100		
Wood Preservatives								
Below-Ground	350							
Other	350							

\* The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.

\*\* Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

\*\*\* The Fire-Retardant Coating category will be eliminated on January 1, 2007 and subsumed by the coating category for which they are formulated.

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### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 7-13-2007]

#### TABLE OF STANDARDS (cont.) VOC LIMITS

#### Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

## FACILITY PERMIT TO OPERATE BIOLA UNIVERSITY

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 11-7-2003]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application	
(i) General	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	500 (4.2)
(iii) Medical Devices & Pharmaceuticals	800 (6.7)
(B) Repair and Maintenance Cleaning	
(i) General	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	900 (7.5)
(iii) Medical Devices & Pharmaceuticals	
(A) Tools, Equipment, & Machinery	800 (6.7)
(B) General Work Surfaces	600 (5.0)

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**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1171 11-7-2003]**

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
(C) Cleaning of Coatings or Adhesives Application Equipment	550 (4.6)
(D) Cleaning of Ink Application Equipment	
(i) General	25 (0.21)
(ii) Flexographic Printing	25 (0.21)
(iii) Gravure Printing	
(A) Publication	750 (6.3)
(B) Packaging	25 (0.21)
(iv) Lithographic or Letter Press Printing	
(A) Roller Wash – Step 1	600 (5.0)
(B) Roller Wash-Step 2, Blanket Wash, & On-Press Components	800 (6.7)
(C) Removable Press Components	25 (0.21)
(v) Screen Printing	750 (6.3)
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	800 (6.7)

## FACILITY PERMIT TO OPERATE

### BIOLA UNIVERSITY

#### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 11-7-2003]

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
(vii) Specialty Flexographic Printing	600 (5.0)
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)

## FACILITY PERMIT TO OPERATE

### BIOLA UNIVERSITY

#### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 7-14-2006]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS*	EFFECTIVE 1/1/2008
	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	
(iii) Medical Devices & Pharmaceuticals	800 (6.7)	
(B) Repair and Maintenance Cleaning		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	

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**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1171 7-14-2006]**

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2008</b>
<b>SOLVENT CLEANING ACTIVITY (cont.)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(iii) Medical Devices & Pharmaceuticals		
(A) Tools, Equipment, & Machinery	800 (6.7)	
(B) General Work Surfaces	600 (5.0)	
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)	
(D) Cleaning of Ink Application Equipment		
(i) General	25 (0.21)	
(ii) Flexographic Printing	25 (0.21)	
(iii) Gravure Printing		
(A) Publication	100 (0.83)	
(B) Packaging	25 (0.21)	
(iv) Lithographic (Offset) or Letter Press Printing		
(A) Roller Wash, Blanket Wash, & On-Press Components		
(I) Newsprint	100 (0.83)	

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**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1171 7-14-2006]**

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2008</b>
<b>SOLVENT CLEANING ACTIVITY (cont.)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(II) Other Substrates	500 (4.2)	100 (0.83)
(B) Removable Press Components	25 (0.21)	
(v) Screen Printing	500 (4.2)	100 (0.83)
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)	
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)	

\* The specified limits remain in effect unless revised limits are listed in subsequent columns.

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#### APPENDIX B: RULE EMISSION LIMITS [RULE 404 2-7-1986]

The operator shall not discharge into the atmosphere from this equipment, particulate matter in excess of the concentration at standard conditions, shown in Table 404(a).

Where the volume discharged is between figures listed in the Table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

**TABLE 404(a)**

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		Milligrams per Cubic Meter	Grains per Cubic Foot			Milligrams per Cubic Meter	Grains per Cubic Foot
Cubic meters Per Minute	Cubic feet Per Minute			Cubic meters Per Minute	Cubic feet Per Minute		
25 or less	883 or less	450	0.196	900	31780	118	0.0515
30	1059	420	.183	1000	35310	113	.0493
35	1236	397	.173	1100	38850	109	.0476
40	1413	377	.165	1200	42380	106	.0463
45	1589	361	.158	1300	45910	102	.0445
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402

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#### APPENDIX B: RULE EMISSION LIMITS [RULE 404 2-7-1986]

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		Milligrams per Cubic Meter	Grains per Cubic Foot			Milligrams per Cubic Meter	Grains per Cubic Foot
Cubic meters Per Minute	Cubic feet Per Minute			Cubic meters Per Minute	Cubic feet Per Minute		
80	2825	291	.127	2000	70630	87	.0380
90	3178	279	.122	2250	79460	83	.0362
100	3531	267	.117	2500	88290	80	.0349
125	4414	246	.107	3000	105900	75	.0327
150	5297	230	.100	4000	141300	67	.0293
175	6180	217	.0947	5000	176600	62	.0271
200	7063	206	.0900	6000	211900	58	.0253
250	8829	190	.0830	8000	282500	52	.0227
300	10590	177	.0773	10000	353100	48	.0210
350	12360	167	.0730	15000	529700	41	.0179
400	14130	159	.0694	20000	706300	37	.0162
450	15890	152	.0664	25000	882900	34	.0148
500	17660	146	.0637	30000	1059000	32	.0140
600	21190	137	.0598	40000	1413000	28	.0122
700	24720	129	.0563	50000	1766000	26	.0114
800	28250	123	.0537	70000 or more	2472000 or more	23	.0100



# South Coast Air Quality Management District

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

## NOTICE OF PROPOSED RENEWAL TITLE V PERMIT

The South Coast Air Quality Management District (AQMD) is proposing to renew the existing Title V permit previously issued to the facility listed below:

### Facility Locations and Contact People

#### **BIOLA UNIVERSITY**

13800 Biola Ave.  
La Mirada, CA 90639-0001  
Facility Id# 20445

#### *Contact Person:*

Brian Phillips  
Sr. Director of Facilities  
Biola University  
13800 Biola Ave.  
La Mirada, CA 90639-0001

This facility is a private Christian university offering various academic programs.

This facility is operating a cogeneration plant consisting of three lean burn internal combustion engines equipped with heat exchangers and electrical generators. The engines are equipped with selective catalytic reduction units to control the air pollutant emissions from the engines.

Pursuant to Title V of the federal Clean Air Act and the AQMD Rule 3004(f), a Title V permit shall expire five years from the date of issuance unless such permit has been renewed. Accordingly, this facility has submitted a Title V renewal application and requested the AQMD to renew their Title V permits. The proposed permit incorporates updates to the facility information provided in the facility's Title V renewal application and all rules and regulations that are currently applicable to this facility.

The proposed permit is available for public review at the AQMD, 21865 Copley Dr., Diamond Bar, CA, and at the La Mirada Public Library, 13800 La Mirada Blvd., La Mirada, CA. Information regarding the facility owner's compliance history submitted to the AQMD pursuant to California Health & Safety Code Section 42336, or otherwise known to the AQMD based on credible information, is also available from the AQMD for public review. For more information or to review additional supporting documents, call the AQMD's Title V hotline at (909) 396-3013. Written comments should be submitted to Maria Vibal, Air Quality Engineer, 21865 Copley Drive, Diamond Bar, CA 91765-4178. Comments must be received by April 4, 2008. The AQMD will consider all public comments and may revise the Title V permit in accordance with AQMD rules and regulations.

The public may request the AQMD to conduct a public hearing on the proposed permit by submitting a Hearing Request Form (Form 500-G) to Maria Vibal at the above AQMD address. The AQMD will hold a public hearing if there is evidence that the proposed permit is not correct or is not adequate to ensure compliance with regulatory requirements, and a hearing will likely provide additional information that will affect the drafting and/or issuance of the permit. Public hearing request forms and the schedule of public hearings may be obtained from the AQMD by calling the Title V hotline at (909) 396-3013, or from the Internet at <http://www.aqmd.gov/titlev>. Requests for public hearings are due by March 19, 2008. A copy of the hearing request must also be sent by first class mail to the appropriate facility contact person listed above.

*Cleaning the air that we breathe...*



South Coast Air Quality Management District

**Form 400-A**

**Application For Permit To Construct and Permit To Operate**

Mail Application To:  
P.O. Box 4944  
Diamond Bar, CA 91765

Tel: (909) 396-3385  
[www.aqmd.gov](http://www.aqmd.gov)

**Section A: Operator Information**

1. Business Name of Operator To Appear On The Permit:  
Biola University

2. Valid AQMD Facility ID (Available on Permit or Invoice issued by AQMD): 020445

3. Owner's Business Name (only if different from Business Name of Operator):

**Section B: Equipment Location**

4. Equipment Location Address:  
For equipment operated at various locations in AQMD's jurisdiction, provide address of initial site

13800 Biola Avenue  
Street Address

La Mirada CA, 90639  
City State Zip Code

County:  Los Angeles  Orange  San Bernardino  Riverside

Contact Name: Brian Phillips

Contact Title: Sr Director of Faciliti Phone: (562) 903-6000

Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_

**Section C: Permit Mailing Address**

5. Permit and Correspondence Information:  
 Check here if same as equipment location address

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

County:  Los Angeles  Orange  San Bernardino  Riverside

Contact Name: \_\_\_\_\_

Contact Title: \_\_\_\_\_ Phone: \_\_\_\_\_

Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_

**Section D: Application Type**

The facility is in  RECLAIM  Title V  RECLAIM & Title V Program (please check if applicable)

6. Reason for Submitting Application (Select only ONE):

- New Construction (Permit to Construct)
- Equipment Operating Without A Permit or Expired Permit\*
- Administrative Change
- Equipment On-Site But Not Constructed or Operational
- Title V Application (Initial, Revisions, etc.) (Also complete Form 500-TV)
- Compliance Plan
- Facility Permit Amendment
- Registration/Certification
- Streamlined Standard Permit

Permitted Equipment Altered/ Modified Without Permit Approval\*

Proposed Alteration/Modification to Permitted Equipment

Change of Condition For Permit To Operate

Change of Condition For Permit To Construct

Change of Location—Moving to New Site

Existing Or Previous Permit/Application Number:  
*(If you checked any of the items in this column, you MUST provide a existing Permit/ Application Number)*

7. Estimated Start Date of Operation/Construction (MM/DD/YYYY):

8. Description of Equipment:

9. Is this equipment portable AND will it be operated at different locations within AQMD's jurisdiction?  No  Yes

10. For identical equipment, how many additional applications are being submitted with this application? (Form 400-A required for each)

11. Are you a Small Business as per AQMD's Rule 102 definition? (10 employees or less and total gross receipts are \$500,000 or less, or a not-for-profit training center?)  No  Yes

12. Has a Notice of Violation (NOV) or a Notice To Comply (NC) been issued for this equipment?  No  Yes If yes, provide NOV/NC #:

\* A Higher Permit Processing Fee applies to those items with an asterisk (Rule 301 (c) (1) (D))

**Section E: Facility Business Information**

13. What type of business is being conducted at this equipment location?  
Higher Education (cogeneration)

14. What is your businesses primary NAICS Code (North American Industrial Classification System)? 611310

15. Are there other facilities in the SCAQMD jurisdiction operated by the same operator?  No  Yes

16. Are there any schools (K-12) within a 1000-ft. radius of the equipment physical location?  No  Yes

**Section F: Authorization/Signature**

I hereby certify that all information contained herein and information submitted with this application is true and correct.

17. Signature of Responsible Official: Brian Phillips

18. Title: Sr Director of Facilities

19. Print Name: Brian Phillips

20. Date: 5-15-06

Check List

- Form(s) signed and dated by authorized official
- Supplemental Equipment Form (400-E-XX or 400-E-GEN)
- CEQA Form (400-CEQA) attached
- Payment for permit processing fee attached

Your application will be rejected if any of the above items are missing.

<b>AQMD USE ONLY</b>	APPLICATION/TRACKING # <u>457009</u>	TYPE B C D	EQUIPMENT CATEGORY CODE: <u>555 002 / 74</u>	FEE SCHEDULE: \$ <u>705.15</u>	VALIDATION <u>5-17-06 DR</u>
ENG. <u>A</u> R <u>W</u> <u>W</u>	ENG. A R	CLASS I III IV	ASSIGNMENT Unit <u>5</u> Engineer	CHECK/MONEY ORDER # <u>401817</u>	AMOUNT <u>705.15</u>
DATE <u>6/1/06</u>	DATE				Tracking #

(53669)



**Section I - Facility Information**

- 1. Permit to be issued to (Business name of operator to appear on permit):
- 2. Valid AQMD Facility ID (Available on Permit or Invoice Issued by AQMD):
- 3. This Certification is submitted with a (Check one):
  - a.  Title V Application (Initial, Revision or Renewal)
  - b.  Supplement/Correction to a Title V Application
  - c.  MACT Part 2
- 4. Is Form 500-C2 included with this Certification?  Yes  No

**Section II - Responsible Official Certification Statement**

I certify under penalty of law that I am the responsible official for this facility as defined in AQMD Regulation XXX and that based on information and belief formed after reasonable inquiry, the statements and information in this document and in all attached application forms and other materials are true, accurate, and complete.

Read each statement carefully and check each that applies – You must check 3a or 3b.

**1. For Initial, Permit Renewal, and Administrative Application Certifications:**

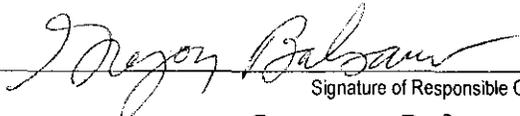
- a.  The facility, including equipment that are exempt from written permit per Rule 219, is currently operating and will continue to operate in compliance with all applicable requirement(s) identified in Section II and Section III of Form 500-C1,
  - i.  except for those requirements that do not specifically pertain to such devices or equipment and that have been identified as "Remove" on Section III of Form 500-C1.
  - ii.  except for those devices or equipment that have been identified on the completed and attached Form 500-C2 that will not be operating in compliance with the specified applicable requirement(s).
- b.  The facility, including equipment that are exempt from written permit per Rule 219, will meet in a timely manner, all applicable requirements with future effective dates.

**2. For Permit Revision Application Certifications:**

- a.  The equipment or devices to which this permit revision applies, will in a timely manner comply with all applicable requirements identified in Section II and Section III of Form 500-C1.

**3. For MACT Hammer Certifications:**

- a.  The facility is subject to Section 112(j) of the Clean Air Act (Subpart B of 40 CFR part 63), also known as the MACT "hammer." The following information is submitted with a Title V application to comply with the Part 1 requirements of Section 112(j). (If Part 2 has not been submitted, you must submit 500-MACT Part 2 with this form.)
- b.  The facility is not subject to Section 112(j) of the Clean Air Act (Subpart B of 40 CFR part 63).

  
\_\_\_\_\_  
Signature of Responsible Official

1-23-08  
Date

Gregory Balsano  
Type or Print Name of Responsible Official

(562)903-4704  
Phone

Vice President, University Services  
Title of Responsible Official

Fax

13800 Biola Avenue  
Address of Responsible Official

La Mirada, CA  
City State

90639  
Zip Code

**Acid Rain Facilities Only: Turn page over & complete Section III**



South Coast Air Quality Management District  
**Form 500-H (Title V)**  
**Applicability Determination for Initial, Renewal, & Significant Permit Revision**

Mail Application To:  
 P.O. Box 4944  
 Diamond Bar, CA 91765

Tel: (909) 396-3385  
**www.aqmd.gov**

This form is required as part of an initial, significant permit revision, or renewal Title V application. If your Title V facility has control devices in use, the CAM rule may apply. Follow the instructions on the reverse side of this form to determine whether your facility is subject to CAM requirements.

**Section I - CAM Status Summary for Emission Units**

1. Permit to be issued to (Business name of operator to appear on permit):  
 Biola University

2. Valid AQMD Facility ID (Available on Permit or Invoice issued by AQMD):  
 020445

3. Based on the criteria in the instructions (check one and attach additional pages as necessary):

- a.  The emission units identified below are subject to the CAM rule<sup>1</sup> and a CAM plan<sup>2</sup> is attached for each affected emissions unit:      b.  There are no emission units with control devices at this Title V facility that are subject to the CAM rule.

Emission Unit Application, Permit or Device No.	Equipment Description <sup>4</sup>	Uncontrolled Emissions		Connected to Control Unit Application, Permit or Device No.	Equipment Description <sup>4</sup>	Controlled Emissions	
		Pollutant	PTE <sup>3</sup> (tons/year)			Pollutant	PTE <sup>3</sup> (tons/year)
392580	ICE (>500 HP) NG (#3)	NOX	13.00	405546	SCR	NOX	2.00
392580	ICE (>500 HP) NG (#3)	CO	33.00	405546	SCR	CO	8.00
392580	ICE (>500 HP) NG (#3)	NMHC	8.00	405546	SCR	NMHC	2.00
396250	ICE (>500 HP) NG (#1)	NOX	10.00	405547	SCR	NOX	1.00
396250	ICE (>500 HP) NG (#1)	CO	13.00	405547	SCR	CO	4.00
396250	ICE (>500 HP) NG (#1)	NMHC	10.00	405547	SCR	NMHC	1.00
396251	ICE (>500 HP) NG (#2)	NOX	10.00	405548	SCR	NOX	1.00
396251	ICE (>500 HP) NG (#2)	CO	13.00	405548	SCR	CO	4.00
396251	ICE (>500 HP) NG (#2)	NMHC	10.00	405548	SCR	NMHC	1.00

<sup>1</sup> For more detailed information regarding the CAM rule applicability, refer to Title 40, Chapter 1, Part 64, Section 64.1 of the Code of Federal Regulations (40 CFR Part 64, Section 64.1). This also can be accessed via the internet at [http://www.access.gpo.gov/nara/cfr/waisidx\\_99/40cfr64\\_99.html](http://www.access.gpo.gov/nara/cfr/waisidx_99/40cfr64_99.html).

<sup>2</sup> Only one CAM plan is required for a control device that is common to more than one emissions unit, or if an emissions unit is controlled by more than one control device similar in design and operation. If the control devices are not similar in design and operation, one plan is required for each control device.

<sup>3</sup> List all new and existing emission units and the connected control devices either by AQMD application, permit or device number. When the emission unit is new and has not yet been assigned an application number, leave this column blank.

<sup>4</sup> Provide a brief equipment description of the emission units and control devices by indicating equipment type, make, and model and serial numbers as appropriate.

<sup>5</sup> Potential to Emit



To provide the compliance status of your facility with applicable federally enforceable requirements and identify other local-only requirements, complete this form and attach it to a completed compliance certification Form 500-A2. As appropriate, all submittals of Form 500-C2 as appropriate should also be attached to this form.

**Section I - General Information**

1. Facility Name: BIOLA UNIVERSITY

Facility ID (6-Digit): 020445

**PROCEDURES FOR DETERMINING COMPLIANCE STATUS**

- Equipment verification:** Review the list of pending applications, and either the preliminary Title V facility permit or the list of current permits to operate that the AQMD provided you, to determine if they completely and accurately describe all equipment operating at the facility. Attach a statement to describe any discrepancies.
- Identify applicable requirements\*:** Use the checklist in Section II to identify all applicable and federally-enforceable local, state, and federal rules and regulations, test methods, and monitoring, recordkeeping and reporting (MRR) requirements that apply to any equipment or process (including equipment exempt from a permit by Rule 219) at your facility.  
The potential applicable requirements, test methods and MRR requirements are identified and listed adjacent to each given equipment/process description. Check off each box adjacent to the corresponding requirement as it applies to your particular equipment/process.  
Note: Even if there is only one piece of equipment that is subject to a particular requirement, the appropriate box should be checked.
- Identify additional applicable requirements\*:** Use Section III to identify any additional requirements not found in Section II. Section II is not a complete list of all applicable requirements. It does not include recently adopted NESHAP regulations by EPA or recent amendments to AQMD rules. Do not add rules listed in Section V here.
- Identify any requirements that do not apply to a specific piece of equipment or process:** Also use Section III to identify any requirements that are listed in Section II but that do not apply to a specific piece of equipment or process. Fill out Section III of this form and attach a separate sheet to explain the reason(s) why the identified rules do not apply. Note: Listing any requirement that does not apply to a specific piece of equipment will not provide the facility with a permit shield unless one is specifically requested by completing Form 500-D and is approved by AQMD.
- Identify SIP-approved rules that are not current AQMD rules:** Use Section IV to identify older versions of current AQMD rules that are the EPA-approved versions in the State Implementation Plan (SIP), and that are still applicable requirements as defined by EPA. The facility is not required to certify compliance with the items checked in Section IV provided that the non-SIP approved rule in Section II is at least as stringent as the older SIP-approved version in Section IV.\*\*
- Identify Local-Only Enforceable Regulatory Requirements:** Use Section V to identify AQMD rules that are not SIP-approved and are not federally enforceable.
- Determine compliance:** Determine if all equipment and processes are complying with all requirements identified in Sections II and III. If each piece of equipment complies with all applicable requirements, complete and attach Form 500-A2 to certify the compliance status of the facility. If any piece of equipment is not in compliance with any of the applicable requirements, complete and attach Form 500-C2 in addition to Form 500-A2.

\* The following AQMD rules and regulations are not required to be included in Section II and do not have to be added to Section III: Regulation I, List and Criteria in Regulation II, Rule 201, Rule 201.1, Rule 202, Rule 203, Rule 205, Rule 206, Rule 207, Rule 208, Rule 209, Rule 210, Rule 212, Rule 214, Rule 215, Rule 216, Rule 217, Rule 219, Rule 220, Rule 221, Regulation III, Regulation V, Regulation VII, Regulation VIII, Regulation X, Regulation XI, Regulation XII, Regulation XIII, Regulation XIV, Regulation XV, Regulation XVI, Regulation XVII, Regulation XVIII, Regulation XIX, Regulation XX, Regulation XXI, Regulation XXII, and Regulation XXX.

\*\* Emission units adversely affected by the gap between current and SIP-approved versions of rules may initially be placed in a non-Title V portion of the permit

**Section II - Applicable Requirements, Test Methods, & MRR Requirements**

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> All Air Pollution Control Equipment Using Combustion (RECLAIM & non-RECLAIM sources)	<input type="checkbox"/> Rule 480 (10/07/77)	N/A	N/A
<input type="checkbox"/> All Coating Operations	<input type="checkbox"/> Rule 442 (12/15/00)	<input type="checkbox"/> Rule 442(f)	<input type="checkbox"/> Rule 442(g)
<input type="checkbox"/> All Combustion Equipment, ≥ 555 Mmbtu/Hr (except for NOx RECLAIM sources)	<input type="checkbox"/> Rule 474 (12/04/81)	<input type="checkbox"/> AQMD TM 7.1 or 100.1	
<input checked="" type="checkbox"/> All Combustion Equipment Except Internal Combustion Engines (RECLAIM & non-RECLAIM sources)	<input type="checkbox"/> Rule 407 (04/02/82) <input checked="" type="checkbox"/> Rule 409 (08/07/81)	<input checked="" type="checkbox"/> AQMD TM 100.1 or 10.1, 307-91 <input checked="" type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3	
<input checked="" type="checkbox"/> All Combustion Equipment Using Gaseous Fuel (except SOx RECLAIM sources)	<input checked="" type="checkbox"/> Rule 431.1 (06/12/98)	<input checked="" type="checkbox"/> Rule 431.1(f)	<input checked="" type="checkbox"/> Rule 431.1(d) & (e)
<input type="checkbox"/> All Combustion Equipment Using Liquid Fuel (except SOx RECLAIM sources)	<input type="checkbox"/> Rule 431.2 (09/15/00)	<input type="checkbox"/> Rule 431.2(g)	<input type="checkbox"/> Rule 431.2(f)
<input checked="" type="checkbox"/> All Combustion Equipment Using Fossil Fuel (except SOx RECLAIM sources)	<input type="checkbox"/> Rule 431.3 (05/07/76)		
<input checked="" type="checkbox"/> All Equipment	<input checked="" type="checkbox"/> Rule 401 (11/09/01) <input checked="" type="checkbox"/> Rule 405 (02/07/86) <input checked="" type="checkbox"/> Rule 408 (05/07/76) <input checked="" type="checkbox"/> Rule 430 (07/12/96) <input checked="" type="checkbox"/> Rule 701 (06/13/97) <input checked="" type="checkbox"/> New Source Review, BACT <input type="checkbox"/> Rule 1703 (10/07/88) <input type="checkbox"/> 40 CFR68 - Accidental Release Prevention	<input checked="" type="checkbox"/> California Air Resources Board Visible Emission Evaluation <input checked="" type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3  N/A	<input checked="" type="checkbox"/> Rule 430(b)  See Applicable Subpart
<input type="checkbox"/> All Equipment Processing Solid Materials	<input type="checkbox"/> Rule 403 (04/02/04)	<input type="checkbox"/> Rule 403(d)(4)	<input type="checkbox"/> Rule 403(f)
<input checked="" type="checkbox"/> All Equipment With Exhaust Stack (except cement kilns subject to Rule 1112.1)	<input checked="" type="checkbox"/> Rule 404 (02/07/86)	<input checked="" type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3	
<input checked="" type="checkbox"/> All Facilities Using Solvents to Clean Various Items of Equipment	<input checked="" type="checkbox"/> Rule 109 (05/02/03) <input checked="" type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART T	<input checked="" type="checkbox"/> Rule 109(g) <input checked="" type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input checked="" type="checkbox"/> Rule 109(c) <input checked="" type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> All RECLAIM Equipment (NOx & SOx)	<input type="checkbox"/> Reg. XX - RECLAIM	<input type="checkbox"/> Rule 2011, App. A (12/05/03) <input type="checkbox"/> Rule 2012, App. A (12/05/03)	<input type="checkbox"/> Rule 2011, App. A (12/05/03) <input type="checkbox"/> Rule 2012, App. A (12/05/03)
<input type="checkbox"/> Abrasive Blasting	<input type="checkbox"/> Rule 1140 (08/02/85)	<input type="checkbox"/> Rule 1140(d) & (e), AQMD Visible Emission Method	
<input type="checkbox"/> Aggregate and Related Operations	<input type="checkbox"/> Rule 1157 (01/07/05)	<input type="checkbox"/> Rule 1157(f)	<input type="checkbox"/> Rule 1157(e) See Applicable Subpart
<input type="checkbox"/> Appliances Containing Ozone Depleting Substances (except Motor Vehicle Air Conditioners): Manufacturing, Repair, Maintenance, Service, & Disposal	<input type="checkbox"/> 40 CFR82 SUBPART F	See Applicable Subpart	

## Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Asphalt	See Manufacturing, Asphalt Processing & Asphalt Roofing		
<input type="checkbox"/> Asphalt Concrete/Batch Plants	<input type="checkbox"/> 40 CFR60 SUBPART I	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Benzene Emissions, Maleic Anhydride Plants,	<input type="checkbox"/> Rule 1173 (12/06/02)	<input type="checkbox"/> Rule 1173(j)	<input type="checkbox"/> Rule 1173(i)
<input type="checkbox"/> Ethylbenzene/Styrene Plants, Benzene Storage Vessels, Benzene Equipment Leaks, & Coke By-Product Recovery Plants	<input type="checkbox"/> Rule 1176 (09/13/96)	<input type="checkbox"/> Rule 1176(h)	<input type="checkbox"/> Rule 1176(f) & (g)
<input type="checkbox"/> Benzene Transfer Operations	<input type="checkbox"/> 40 CFR61 SUBPART L	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Benzene Waste Operations	<input type="checkbox"/> 40 CFR61 SUBPART Y	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Beryllium Emissions	<input type="checkbox"/> 40 CFR63 SUBPART R	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Beryllium Emissions, Rocket Motor Firing	<input type="checkbox"/> 40 CFR63 SUBPART CC	See Applicable Subpart	See Applicable Subpart
<input checked="" type="checkbox"/> Boiler, < 5 Mmbtu/Hr (non-RECLAIM sources)	<input type="checkbox"/> Rule 1142 (07/19/91)	<input type="checkbox"/> Rule 1142(e)	<input type="checkbox"/> Rule 1142(h)
<input type="checkbox"/> Boiler, < 5 Mmbtu/Hr (RECLAIM sources)	<input type="checkbox"/> 40 CFR61 SUBPART BB	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (non-RECLAIM sources)	<input type="checkbox"/> 40 CFR63 SUBPART Y	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (RECLAIM sources)	<input type="checkbox"/> Rule 1176 (09/13/96)	<input type="checkbox"/> Rule 1176(h)	<input type="checkbox"/> Rule 1176(f) & (g)
<input type="checkbox"/> Boiler, < 5 Mmbtu/Hr (non-RECLAIM sources)	<input type="checkbox"/> 40 CFR61 SUBPART FF	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Boiler, < 5 Mmbtu/Hr (RECLAIM sources)	<input type="checkbox"/> 40 CFR63 SUBPART CC	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Boiler, < 5 Mmbtu/Hr (non-RECLAIM sources)	<input type="checkbox"/> 40 CFR61 SUBPART C	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Boiler, < 5 Mmbtu/Hr (RECLAIM sources)	<input type="checkbox"/> 40 CFR61 SUBPART D	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Boiler, < 5 Mmbtu/Hr (non-RECLAIM sources)	<input type="checkbox"/> Rule 1146.1 (05/13/94)	<input type="checkbox"/> Rule 1146.1(d)	<input type="checkbox"/> Rule 1146.1(c)(2) & (c)(3)
<input type="checkbox"/> Boiler, < 5 Mmbtu/Hr (RECLAIM sources)	<input checked="" type="checkbox"/> Rule 1146.2 (01/07/05)	N/A	N/A
<input type="checkbox"/> Boiler, < 5 Mmbtu/Hr (non-RECLAIM sources)	<input type="checkbox"/> 40 CFR63 SUBPART DDDDD	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Boiler, < 5 Mmbtu/Hr (RECLAIM sources)	<input type="checkbox"/> Rule 1146.1 (05/13/94) - excluding NOx requirements	<input type="checkbox"/> Rule 1146.1(d)	<input type="checkbox"/> Rule 1146.1(c)(2) & (c)(3)
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (non-RECLAIM sources)	<input type="checkbox"/> 40 CFR63 SUBPART DDDDD	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (RECLAIM sources)	<input type="checkbox"/> Rule 218 (05/14/99)	<input type="checkbox"/> AQMD TM 100.1	<input type="checkbox"/> Rule 218(e) & (f)
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (non-RECLAIM sources)	<input type="checkbox"/> Rule 429 (12/21/90)	N/A	<input type="checkbox"/> Rule 429(d)
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (RECLAIM sources)	<input type="checkbox"/> Rule 475 (08/07/78)	<input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3	<input type="checkbox"/> Rule 1146(c)(6) & (c)(7)
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (non-RECLAIM sources)	<input type="checkbox"/> Rule 476 (10/08/76)	<input type="checkbox"/> AQMD TM 7.1, 100.1, 5.1, 5.2, or 5.3	See Applicable Subpart
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (RECLAIM sources)	<input type="checkbox"/> Rule 1146 (11/17/00)	<input type="checkbox"/> Rule 1146(d)	See Applicable Subpart
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (non-RECLAIM sources)	<input type="checkbox"/> 40 CFR60 SUBPART D	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (RECLAIM sources)	<input type="checkbox"/> 40 CFR60 SUBPART Da	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (non-RECLAIM sources)	<input type="checkbox"/> 40 CFR60 SUBPART Dc	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (RECLAIM sources)	<input type="checkbox"/> 40 CFR63 SUBPART DDDDD	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (non-RECLAIM sources)	<input type="checkbox"/> Rule 475 (08/07/78)	<input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3	See Applicable Subpart
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (RECLAIM sources)	<input type="checkbox"/> Rule 476 (10/08/76) - excluding NOx requirements	<input type="checkbox"/> AQMD TM 7.1, 100.1, 5.1, 5.2, or 5.3	See Applicable Subpart
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (non-RECLAIM sources)	<input type="checkbox"/> Rule 1146 (11/17/00) - excluding NOx requirements	<input type="checkbox"/> Rule 1146(d)	<input type="checkbox"/> Rule 1146(c)(6) & (c)(7)
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (RECLAIM sources)	<input type="checkbox"/> Rule 2011 (12/05/03) or Rule 2012 (12/05/03)	<input type="checkbox"/> Rule 2011, App. A (12/05/03) or Rule 2012, App. A (12/05/03)	<input type="checkbox"/> Rule 2011, App. A (12/05/03) or Rule 2012, App. A (12/05/03)
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (non-RECLAIM sources)	<input type="checkbox"/> 40 CFR60 SUBPART D	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (RECLAIM sources)	<input type="checkbox"/> 40 CFR60 SUBPART Da	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (non-RECLAIM sources)	<input type="checkbox"/> 40 CFR60 SUBPART Dc	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (RECLAIM sources)	<input type="checkbox"/> 40 CFR63 SUBPART DDDDD	See Applicable Subpart	See Applicable Subpart



**Section II - Applicable Requirements, Test Methods, & MRR Requirements**

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Coating Operation, Aerospace Assembly & Component Manufacturing	<input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART RR <input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1124 (09/21/01) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART GG	<input type="checkbox"/> Rule 1171(f) See Applicable Subpart <input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1124(e) & (f) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart <input type="checkbox"/> Rule 109(c)  <input type="checkbox"/> Rule 1124(j) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Graphic Arts (Gravure, Letter Press, Flexographic & Lithographic Printing Process, Etc.)	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1130 (10/08/99) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART QQ <input type="checkbox"/> 40 CFR60 SUBPART RR <input type="checkbox"/> 40 CFR60 SUBPART FFF <input type="checkbox"/> 40 CFR60 SUBPART VVV <input type="checkbox"/> 40 CFR63 SUBPART KK <input type="checkbox"/> 40 CFR63 SUBPART JJJ	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1130(h) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c)  <input type="checkbox"/> Rule 1130(c) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Magnet Wire Coating	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1126 (01/13/95) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1126(d) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 109(c)  <input type="checkbox"/> Rule 1126(c)(4) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6)
<input type="checkbox"/> Coating Operation, Marine Coating (Except for recreational equipment)	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1106 (01/13/95) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART II	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1106(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c)  <input type="checkbox"/> Rule 1106(c)(5) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Metal Coating	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1107 (11/09/01) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART EE <input type="checkbox"/> 40 CFR60 SUBPART SS <input type="checkbox"/> 40 CFR63 SUBPART NNNN <input type="checkbox"/> 40 CFR63 SUBPART MMMM <input type="checkbox"/> 40 CFR63 SUBPART RRRR	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1107(f) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c)  <input type="checkbox"/> Rule 1107(k) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Metal Containers, Closure, & Coil Coating Operations	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1125 (01/13/95)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1125(e)	<input type="checkbox"/> Rule 109(c)  <input type="checkbox"/> Rule 1125(c)(6)

**Section II - Applicable Requirements, Test Methods, & MRR Requirements**

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Coating Operation, Motor Vehicle & Mobile Equipment Non-Assembly Line Coating Operation	<input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART TT <input type="checkbox"/> 40 CFR60 SUBPART WW <input type="checkbox"/> 40 CFR63 SUBPART SSSS <input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1151 (12/11/98) <input type="checkbox"/> Rule 1171 (11/07/03)	<input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart <input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1151(g) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart See Applicable Subpart <input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1151(f) <input type="checkbox"/> Rule 1171(c)(6)
<input type="checkbox"/> Coating Operation, Motor Vehicle Assembly Line	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1115 (05/12/95) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART MM <input type="checkbox"/> 40 CFR63 SUBPART IIII	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1115(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1115(g) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Paper, Fabric, & Film Coating Operations	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1128 (03/08/96) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART VVV <input type="checkbox"/> 40 CFR63 SUBPART OOOO	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1128(f) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1128(e) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Plastic, Rubber, & Glass	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1145 (12/03/04) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART TTT <input type="checkbox"/> 40 CFR63 SUBPART NNNN <input type="checkbox"/> 40 CFR63 SUBPART PPPP	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1145(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1145(d) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Pleasure Craft	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1106.1 (02/12/99) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART II	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1106.1(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1106.1(d) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Screen Printing	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1130.1 (12/13/96) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1130.1(g) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1130.1(c)(5) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6)

**Section II - Applicable Requirements, Test Methods, & MRR Requirements**

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input checked="" type="checkbox"/> Coating Operation, Use Of Architectural Coating (Stationary Structures)	<input type="checkbox"/> 40 CFR63 SUBPART KK	See Applicable Subpart	See Applicable Subpart
	<input checked="" type="checkbox"/> Rule 109 (05/02/03)	<input checked="" type="checkbox"/> Rule 109(g)	<input checked="" type="checkbox"/> Rule 109(c)
	<input checked="" type="checkbox"/> Rule 481 (01/11/02)	<input checked="" type="checkbox"/> Rule 481(d)	
	<input checked="" type="checkbox"/> Rule 1113 (07/09/04)	<input checked="" type="checkbox"/> Rule 1113(e)	
	<input type="checkbox"/> Rule 1132 (05/07/04)	<input type="checkbox"/> Rule 1132(f)	<input type="checkbox"/> Rule 1132(g)
	<input checked="" type="checkbox"/> Rule 1171 (11/07/03)	<input checked="" type="checkbox"/> Rule 1171(f)	<input checked="" type="checkbox"/> Rule 1171(c)(6)
<input type="checkbox"/> Coating Operation, Wood Flat Stock	<input type="checkbox"/> Rule 109 (05/02/03)	<input type="checkbox"/> Rule 109(g)	<input type="checkbox"/> Rule 109(c)
	<input type="checkbox"/> Rule 481 (01/11/02)	<input type="checkbox"/> Rule 481(d)	
	<input type="checkbox"/> Rule 1104 (08/13/99)	<input type="checkbox"/> Rule 1104(e)	<input type="checkbox"/> Rule 1104(d)
	<input type="checkbox"/> Rule 1132 (05/07/04)	<input type="checkbox"/> Rule 1132(f)	<input type="checkbox"/> Rule 1132(g)
	<input type="checkbox"/> Rule 1171 (11/07/03)	<input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 1171(c)(6)
	<input type="checkbox"/> 40 CFR63 SUBPART II	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Coating Operation, Wood Products (Commercial Furniture, Cabinets, Shutters, Frames, Toys)	<input type="checkbox"/> Rule 109 (05/02/03)	<input type="checkbox"/> Rule 109(g)	<input type="checkbox"/> Rule 109(c)
	<input type="checkbox"/> Rule 481 (01/11/02)	<input type="checkbox"/> Rule 481(d)	
	<input type="checkbox"/> Rule 1132 (05/07/04)	<input type="checkbox"/> Rule 1132(f)	<input type="checkbox"/> Rule 1132(g)
	<input type="checkbox"/> Rule 1136 (06/14/96)	<input type="checkbox"/> Rule 1136(f)	<input type="checkbox"/> Rule 1136(d) & (g)
	<input type="checkbox"/> Rule 1171 (11/07/03)	<input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 1171(c)(6)
	<input type="checkbox"/> 40 CFR63 SUBPART JJ	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Coater	See Coating Operations		
<input type="checkbox"/> Columns	See Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Composting Operation	<input type="checkbox"/> Rule 1133 (01/10/03)	<input type="checkbox"/> Rule 1133.1(e)	<input type="checkbox"/> Rule 1133.1(d)
	<input type="checkbox"/> Rule 1133.1 (01/10/03)		<input type="checkbox"/> Rule 1133.2(h)
	<input type="checkbox"/> Rule 1133.2 (01/10/03)	<input type="checkbox"/> Rule 1133.2(g)	
<input type="checkbox"/> Compressors	See Fugitive Emissions of Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Concrete Batch Plants	See Nonmetallic Mineral Processing Plants		
<input type="checkbox"/> Consumer Product Manufacturing	See Manufacturing, Consumer Product		
<input type="checkbox"/> Cooling Tower, Hexavalent Chromium	<input type="checkbox"/> 40 CFR63 SUBPART Q	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Copper Electroplating Operation	<input type="checkbox"/> Rule 1426 (05/02/03)		<input type="checkbox"/> Rule 1426(e)
<input type="checkbox"/> Crude Oil Production	See Oil Well Operations		
<input type="checkbox"/> Crusher	See Nonmetallic Mineral Processing Plants		
<input type="checkbox"/> Dairy Farms and Related Operations	<input type="checkbox"/> Rule 1127	<input type="checkbox"/> Rule 1127(h)	<input type="checkbox"/> Rule 1127(g)
	<input type="checkbox"/> Rule 109 (05/02/03)	<input type="checkbox"/> Rule 109(g)	<input type="checkbox"/> Rule 109(c)
	<input type="checkbox"/> Rule 1122 (10/01/04)	<input type="checkbox"/> Rule 1122(h)	<input type="checkbox"/> Rule 1122(i)
	<input type="checkbox"/> Rule 1171 (11/07/03)	<input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 1171(e)(6)
<input type="checkbox"/> 40 CFR63 SUBPART T	See Applicable Subpart	See Applicable Subpart	
<input type="checkbox"/> Dry Cleaning, Perchloroethylene	<input type="checkbox"/> Rule 1421 (12/06/02)	<input type="checkbox"/> Rule 1421(e) & (i)	<input type="checkbox"/> Rule 1421(g) & (h)
<input type="checkbox"/> Dry Cleaning, Petroleum Solvent	<input type="checkbox"/> Rule 109 (05/02/03)	<input type="checkbox"/> Rule 109(g)	<input type="checkbox"/> Rule 109(c)
	<input type="checkbox"/> Rule 1102 (11/17/00)	<input type="checkbox"/> Rule 1102(g)	<input type="checkbox"/> Rule 1102(f)
<input type="checkbox"/> Dryers, Mineral Industries	<input type="checkbox"/> 40 CFR60 SUBPART JJJ	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Ethylene Oxide Sterilizer	<input type="checkbox"/> 40 CFR60 SUBPART UUU	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Flanges	See Sterilizer, Ethylene Oxide		
	See Fugitive Emissions of Petroleum Refineries, Fugitive Emissions		

**Section II - Applicable Requirements, Test Methods, & MRR Requirements**

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Fluid Catalytic Cracking Unit	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 1105 (09/01/84) <input type="checkbox"/> Rule 1105.1 (11/07/03)	<input type="checkbox"/> AQMD TM 100.1 <input type="checkbox"/> Rule 1105(c)(1) <input type="checkbox"/> Rule 1105.1(f)	<input type="checkbox"/> Rule 218(e) & (f) <input type="checkbox"/> Rule 1105(c)(2) <input type="checkbox"/> Rule 1105.1(e) See Applicable Subpart
<input type="checkbox"/> Foundries, Iron and Steel	<input type="checkbox"/> 40 CFR63 SUBPART EEEEE See Manufacturing, Friction Materials	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Friction Materials Manufacturing	<input type="checkbox"/> Rule 1173 (12/06/02)	<input type="checkbox"/> Rule 1173(j)	<input type="checkbox"/> Rule 1173(i)
<input type="checkbox"/> Fugitive Emissions, Benzene	<input type="checkbox"/> 40 CFR61 SUBPART L <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Fugitive Emissions, Chemical Plant	<input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> Rule 1173 (12/06/02) <input type="checkbox"/> 40 CFR60 SUBPART VV <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) <input type="checkbox"/> Rule 1173(j) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) <input type="checkbox"/> Rule 1173(i) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Fugitive Emissions, Natural Gas Processing Plant	<input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> Rule (12/06/02) <input type="checkbox"/> 40 CFR60 SUBPART KKK <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) <input type="checkbox"/> Rule 1173(j) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) <input type="checkbox"/> Rule 1173(i) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Fugitive Emissions, Oil & Gas Production Facility	<input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> Rule 1173 (12/06/02) <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) <input type="checkbox"/> Rule 1173(j) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(c) <input type="checkbox"/> Rule 1173(i) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart

**Section II - Applicable Requirements, Test Methods, & MRR Requirements**

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Fugitive Emissions, Pipeline Transfer Station	<input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC <input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> Rule 1173 (12/06/02) <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	See Applicable Subpart See Applicable Subpart <input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) <input type="checkbox"/> Rule 1173(j) See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart <input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) <input type="checkbox"/> Rule 1173(i) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Furnace, Basic Oxygen Process	<input type="checkbox"/> 40 CFR60 SUBPART Na <input type="checkbox"/> 40 CFR60 SUBPART AAa	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Furnace, Electric Arc, For Steel Plants Constructed After August 17, 1983	<input type="checkbox"/> 40 CFR60 SUBPART AA	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Furnace, Electric Arc, For Steel Plants Constructed After Oct. 21, 1974, & On Or Before Aug. 17, 1983	<input type="checkbox"/> Rule 1117 (01/06/84) <input type="checkbox"/> 40 CFR60 SUBPART CC	<input type="checkbox"/> Rule 1117(c), AQMD TM 7.1 or 100.1 See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Furnace, Lead Melting, Automotive Batteries	<input type="checkbox"/> Rule 1101 (10/07/77) <input type="checkbox"/> 40 CFR63 SUBPART X	<input type="checkbox"/> AQMD TM 6.1 See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Gasoline Transfer & Dispensing Operation	<input type="checkbox"/> Rule 461 (01/09/04)	<input type="checkbox"/> Rule 461(f)	<input type="checkbox"/> Rule 461(c)(6) & (e)(7)
<input type="checkbox"/> Glass Manufacturing	See Manufacturing, Glass		
<input type="checkbox"/> Grain Elevators	<input type="checkbox"/> 40 CFR60 SUBPART DD <input type="checkbox"/> 40 CFR82 SUBPART H	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Halon-containing Equipment, Use for Technician Training, Testing, Maintenance, Service, Repair, or Disposal			
<input type="checkbox"/> Heater, Asphalt Pavement	<input type="checkbox"/> Rule 1120 (08/04/78)	<input type="checkbox"/> AQMD Visible Emissions, AQMD TM 6.2	<input type="checkbox"/> Rule 1120(f)
<input type="checkbox"/> Heaters, Petroleum Refinery Process	<input type="checkbox"/> Rule 429 (12/21/90) <input type="checkbox"/> Rule 431.1 (06/12/98) <input type="checkbox"/> Rule 1146 (11/17/00) <input type="checkbox"/> 40 CFR60 SUBPART J <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	N/A <input type="checkbox"/> Rule 431.1(f) <input type="checkbox"/> Rule 1146(d) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 429(d) <input type="checkbox"/> Rule 431.1(d) & (e) <input type="checkbox"/> Rule 1146(c)(6) & (c)(7) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Heaters, Process	See Boilers		
<input type="checkbox"/> Incinerators	<input type="checkbox"/> 40 CFR60 SUBPART E <input type="checkbox"/> 40 CFR61 SUBPART P	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Inorganic Arsenic Emissions, Arsenic Trioxide & Metallic Arsenic Production Facilities			

**Section II - Applicable Requirements, Test Methods, and MRR Requirements**

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Internal Combustion Engines, Reciprocating	<input type="checkbox"/> 40 CFR63 SUBPART ZZZZ	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Kiln, Cement Plant	<input type="checkbox"/> Rule 1112 (01/06/86) <input type="checkbox"/> Rule 1112.1 (02/07/86) <input type="checkbox"/> 40 CFR60 SUBPART F	N/A N/A See Applicable Subpart	N/A N/A See Applicable Subpart
<input type="checkbox"/> Landfills	<input type="checkbox"/> Rule 1150 (10/15/82) <input type="checkbox"/> Rule 1150.1 (03/17/00) <input type="checkbox"/> 40 CFR60 SUBPART WW <input type="checkbox"/> 40 CFR63 SUBPART AAAA	<input type="checkbox"/> Rule 1150.1(f) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1150.1(e) & (f) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Lead Acid Battery Manufacturing Plants	See Manufacturing, Lead Acid Battery		
<input type="checkbox"/> Lead Electroplating Operation	<input type="checkbox"/> Rule 1426 (05/02/03)		<input type="checkbox"/> Rule 1426(e)
<input type="checkbox"/> Manufacturing, Asphalt Processing & Asphalt Roofing	<input type="checkbox"/> Rule 470 (05/07/76) <input type="checkbox"/> Rule 1108 (02/01/85) <input type="checkbox"/> Rule 1108.1 (11/04/83) <input type="checkbox"/> 40 CFR60 SUBPART UU <input type="checkbox"/> 40 CFR63 SUBPART LLLL <input type="checkbox"/> 40 CFR63 SUBPART JJJJ	N/A <input type="checkbox"/> Rule 1108(b) <input type="checkbox"/> Rule 1108.1 (b) See Applicable Subpart See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Brick & Structural Clay Products	<input type="checkbox"/> 40 CFR63 SUBPART KKKK	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Clay Ceramics	<input type="checkbox"/> Rule 1141.1 (11/17/00) <input type="checkbox"/> 40 CFR63 SUBPART HHHH <input type="checkbox"/> Title 17 CCR 94500	N/A See Applicable Subpart	<input type="checkbox"/> Rule 1141.1(c) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Consumer Product	<input type="checkbox"/> Rule 1131 (06/06/03)	<input type="checkbox"/> Rule 1131(e)	<input type="checkbox"/> Rule 1131(d)
<input type="checkbox"/> Manufacturing, Food Product	<input type="checkbox"/> 40 CFR63 SUBPART QQQQ	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Friction Materials	<input type="checkbox"/> Rule 1117 (01/06/84) <input type="checkbox"/> 40 CFR60 SUBPART CC <input type="checkbox"/> 40 CFR61 SUBPART N	<input type="checkbox"/> Rule 1117(c), AQMD TM 7.1 or 100.1 See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Glass	<input type="checkbox"/> 40 CFR63 SUBPART NNNN <input type="checkbox"/> 40 CFR60 SUBPART KK <input type="checkbox"/> 40 CFR63 SUBPART AAAA	See Applicable Subpart See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Hydrochloric Acid	<input type="checkbox"/> 40 CFR60 SUBPART SSS <input type="checkbox"/> 40 CFR63 SUBPART EE <input type="checkbox"/> 40 CFR63 SUBPART FFFF	See Applicable Subpart See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Nitric Acid	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 1159 (12/06/85) <input type="checkbox"/> 40 CFR60 SUBPART G	<input type="checkbox"/> AQMD TM 100.1 <input type="checkbox"/> AQMD TM 7.1 or 100.1 See Applicable Subpart	<input type="checkbox"/> Rule 218(e) & (f)
<input type="checkbox"/> Manufacturing, Plywood & Composite Wood Products	<input type="checkbox"/> Rule 1137 (02/01/02) <input type="checkbox"/> 40 CFR63 SUBPART DDDD	N/A See Applicable Subpart	See Applicable Subpart <input type="checkbox"/> Rule 1137(e)
<input type="checkbox"/> Manufacturing, Polymer Industry	<input type="checkbox"/> 40 CFR60 SUBPART DDD <input type="checkbox"/> 40 CFR63 SUBPART W <input type="checkbox"/> 40 CFR63 SUBPART J	See Applicable Subpart See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart See Applicable Subpart

**Section II - Applicable Requirements, Test Methods, & MRR Requirements**

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Manufacturing, Polymeric Cellular Foam	<input type="checkbox"/> Rule 1175 (05/13/94) <input type="checkbox"/> 40 CFR63 SUBPART UUUU	<input type="checkbox"/> Rule 1175(f) See Applicable Subpart	<input type="checkbox"/> Rule 1175(e) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Products Containing Halon Blends	<input type="checkbox"/> 40 CFR82 SUBPART H	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Products Containing Organic Solvents	<input type="checkbox"/> Rule 443.1 (12/05/86)	N/A	N/A
<input type="checkbox"/> Manufacturing, Products Containing Ozone Depleting Substances (ODS)	<input type="checkbox"/> 40 CFR82 SUBPART A <input type="checkbox"/> 40 CFR82 SUBPART E	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Reinforced Plastic Composites	<input type="checkbox"/> 40 CFR63 SUBPART WWW	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Refractory Products	<input type="checkbox"/> 40 CFR63 SUBPART SSSS	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Resin	<input type="checkbox"/> Rule 1141 (11/17/00) <input type="checkbox"/> 40 CFR63 SUBPART W	<input type="checkbox"/> Rule 1141(d) See Applicable Subpart	<input type="checkbox"/> Rule 1141(c) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Rubber Tire	<input type="checkbox"/> 40 CFR63 SUBPART XXXX	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Semiconductors	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 1164 (01/13/95) <input type="checkbox"/> Rule 1171 (11/07/03)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 1164(e) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1164(c)(5) <input type="checkbox"/> Rule 1171(c)(6)
<input type="checkbox"/> Manufacturing, Solvent	<input type="checkbox"/> 40 CFR63 SUBPART BBBB	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Sulfuric Acid	<input type="checkbox"/> Rule 443 (05/07/76) <input type="checkbox"/> Rule 469 (02/13/81) <input type="checkbox"/> 40 CFR60 SUBPART H <input type="checkbox"/> 40 CFR60 SUBPART Cd	N/A <input type="checkbox"/> AQMD TM 6.1 or 6.2 See Applicable Subpart See Applicable Subpart	N/A See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Surfactant	<input type="checkbox"/> Rule 1141.2 (01/11/02)	<input type="checkbox"/> AQMD TM 25.1	
<input type="checkbox"/> Manufacturing, Synthetic Organic Chemical	<input type="checkbox"/> 40 CFR60 SUBPART III <input type="checkbox"/> 40 CFR60 SUBPART NNN	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing Industry (SOCMI) Air Oxidation Unit Processes			
<input type="checkbox"/> Manufacturing, Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes	<input type="checkbox"/> 40 CFR60 SUBPART RRR	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Vinyl Chloride	<input type="checkbox"/> 40 CFR61 SUBPART F	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Water Heaters	<input type="checkbox"/> Rule 1121 (09/03/04)	N/A	N/A
<input type="checkbox"/> Manufacturing, Wool Fiberglass Insulation	<input type="checkbox"/> 40 CFR60 SUBPART PPP	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manure Processing Operations	<input type="checkbox"/> Rule 1127	<input type="checkbox"/> Rule 1127(h)	<input type="checkbox"/> Rule 1127(g)
<input type="checkbox"/> Marine Tank Vessel Operations	<input type="checkbox"/> Rule 1142 (07/19/91) <input type="checkbox"/> 40 CFR63 SUBPART Y	<input type="checkbox"/> Rule 1142(c) See Applicable Subpart	<input type="checkbox"/> Rule 1142(h) See Applicable Subpart
<input type="checkbox"/> Mercury Emissions	<input type="checkbox"/> 40 CFR61 SUBPART E <input type="checkbox"/> 40 CFR63 SUBPART IIII	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Motor Vehicle Air Conditioners with Ozone Depleting Substances (ODS): Repair, Service, Manufacturing, Maintenance, or Disposal	<input type="checkbox"/> 40 CFR82 SUBPART B <input type="checkbox"/> 40 CFR82 SUBPART F	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Municipal Waste Combustors	<input type="checkbox"/> 40 CFR60 SUBPART Cb	See Applicable Subpart	See Applicable Subpart

**Section II - Applicable Requirements, Test Methods & MRR Requirements**

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
	<input type="checkbox"/> 40 CFR60 SUBPART Ea <input type="checkbox"/> 40 CFR60 SUBPART Eb <input type="checkbox"/> 40 CFR61 SUBPART M <input type="checkbox"/> Rule 1426 (05/02/03)	See Applicable Subpart See Applicable Subpart See Applicable Subpart <input type="checkbox"/> Rule 1426(e)	See Applicable Subpart See Applicable Subpart See Applicable Subpart <input type="checkbox"/> Rule 1426(e)
<input type="checkbox"/> Negative Air Machines/HEPA, Asbestos <input type="checkbox"/> Nickel Electroplating Operation <input type="checkbox"/> Nonmetallic Mineral Processing Plants	<input type="checkbox"/> Rule 404 (02/07/86) <input type="checkbox"/> Rule 405 (02/07/86) <input type="checkbox"/> 40 CFR60 SUBPART OOO <input type="checkbox"/> 40 CFR63 SUBPART DD <input type="checkbox"/> Rule 1148 (11/05/82) <input type="checkbox"/> Rule 1148.1 (03/05/04) <input type="checkbox"/> 40 CFR60 SUBPART LLL	<input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 See Applicable Subpart See Applicable Subpart <input type="checkbox"/> AQMD TM 25.1 <input type="checkbox"/> Rule 1148.1 (g) See Applicable Subpart	See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart <input type="checkbox"/> Rule 1148.1 (f) See Applicable Subpart
<input type="checkbox"/> Off-site Waste and Recovery Operation <input type="checkbox"/> Oil and Gas Well Operation <input type="checkbox"/> Onshore-Natural Gas Processing, SO <sub>2</sub> Emissions	<input type="checkbox"/> Rule 444 (12/21/01) <input type="checkbox"/> Rule 403 (04/02/04) <input type="checkbox"/> Rule 403.1 (04/02/04) <input type="checkbox"/> Rule 1158 (06/11/99) <input type="checkbox"/> Rule 403 (04/02/04) <input type="checkbox"/> Rule 403.1 (04/02/04) <input type="checkbox"/> Rule 1183 (03/12/93) <input type="checkbox"/> 40 CFR55 <input type="checkbox"/> Rule 1153 (01/13/95) <input type="checkbox"/> Rule 477 (04/03/81)	<input type="checkbox"/> Rule 403(d)(4) <input type="checkbox"/> Rule 1158(h) <input type="checkbox"/> Rule 403(d)(4) <input type="checkbox"/> 40 CFR55 See Applicable Subpart <input type="checkbox"/> Rule 1153(h) <input type="checkbox"/> AQMD Visible Emissions, AQMD TM 5.1, 5.2, or 5.3 See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 403(f) <input type="checkbox"/> Rule 403.1(f) <input type="checkbox"/> Rule 1158(j) <input type="checkbox"/> Rule 403(f) <input type="checkbox"/> Rule 403.1(f) <input type="checkbox"/> 40 CFR55 See Applicable Subpart <input type="checkbox"/> Rule 1153(g)
<input type="checkbox"/> Oven, Commercial Bakery <input type="checkbox"/> Oven, Petroleum Coke <input checked="" type="checkbox"/> Ozone Depleting Substances (ODS) or Alternative ODS, Use <input type="checkbox"/> Petroleum Refineries	<input type="checkbox"/> 40 CFR63 SUBPART L <input checked="" type="checkbox"/> 40 CFR82 Subpart G  <input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 465 (08/13/99) <input type="checkbox"/> Rule 468 (10/08/76) <input type="checkbox"/> Rule 469 (02/13/81) <input type="checkbox"/> Rule 1123 (12/07/90) <input type="checkbox"/> Rule 1189 (01/21/00) <input type="checkbox"/> 40 CFR60 SUBPART J <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART CC <input type="checkbox"/> 40 CFR63 SUBPART EEEE <input type="checkbox"/> 40 CFR63 SUBPART GGGG <input type="checkbox"/> Title 13 CCR 2250 <input type="checkbox"/> Rule 1173 (12/06/02)	<input type="checkbox"/> AQMD TM 100.1  <input type="checkbox"/> AQMD TM 6.1 or 6.2 <input type="checkbox"/> AQMD TM 6.1 or 6.2 N/A <input type="checkbox"/> Rule 1189(f) See Applicable Subpart See Applicable Subpart <input type="checkbox"/> Rule 1173(j)	<input type="checkbox"/> Rule 218(e) & (f)  <input type="checkbox"/> Rule 1123(c) <input type="checkbox"/> Rule 1189(e) See Applicable Subpart See Applicable Subpart <input type="checkbox"/> Rule 1173(i)
<input type="checkbox"/> Petroleum Refineries, Fugitive Emissions	<input type="checkbox"/> Rule 1173 (12/06/02)	<input type="checkbox"/> Rule 1173(j)	<input type="checkbox"/> Rule 1173(i)

**Section II - Applicable Requirements, Test Methods, & MRR Requirements**

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Petroleum Refineries, Storage Tanks	<input type="checkbox"/> Rule 466 (10/07/83)	<input type="checkbox"/> Rule 466(f)	<input type="checkbox"/> Rule 466(e)
	<input type="checkbox"/> Rule 466.1 (03/16/84)	<input type="checkbox"/> Rule 466.1(g)	<input type="checkbox"/> Rule 466.1(h)
	<input type="checkbox"/> Rule 467 (03/05/82)	<input type="checkbox"/> Rule 467(f)	<input type="checkbox"/> Rule 467(e)
	<input type="checkbox"/> 40 CFR60 SUBPART GGG	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR61 SUBPART V	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART F	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART G	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART H	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART I	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART R	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART CC	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> Rule 463 (05/06/05)	<input type="checkbox"/> Rule 463(g)	<input type="checkbox"/> Rule 463(e)(5)
	<input type="checkbox"/> Rule 1178 (12/11/01)	<input type="checkbox"/> Rule 1178(f)	<input type="checkbox"/> Rule 1178(f) & (h)
	<input type="checkbox"/> 40 CFR60 SUBPART K	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> 40 CFR60 SUBPART Ka	See Applicable Subpart	See Applicable Subpart	
<input type="checkbox"/> 40 CFR60 SUBPART Kb	See Applicable Subpart	See Applicable Subpart	
<input type="checkbox"/> 40 CFR63 SUBPART F	See Applicable Subpart	See Applicable Subpart	
<input type="checkbox"/> 40 CFR63 SUBPART G	See Applicable Subpart	See Applicable Subpart	
<input type="checkbox"/> 40 CFR63 SUBPART H	See Applicable Subpart	See Applicable Subpart	
<input type="checkbox"/> 40 CFR63 SUBPART I	See Applicable Subpart	See Applicable Subpart	
<input type="checkbox"/> 40 CFR63 SUBPART R	See Applicable Subpart	See Applicable Subpart	
<input type="checkbox"/> 40 CFR63 SUBPART CC	See Applicable Subpart	See Applicable Subpart	
<input type="checkbox"/> 40 CFR63 SUBPART EEEE	See Applicable Subpart	See Applicable Subpart	
<input type="checkbox"/> Petroleum Refineries, Wastewater Systems	<input type="checkbox"/> Rule 1176 (09/13/96)	<input type="checkbox"/> Rule 1176(h)	<input type="checkbox"/> Rule 1176(f) & (g)
	<input type="checkbox"/> Rule 464 (12/07/90)	N/A	
<input type="checkbox"/> Pharmaceuticals & Cosmetics Manufacturing	<input type="checkbox"/> 40 CFR60 SUBPART QQQ	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART CC	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> Rule 1103 (03/12/99)	<input type="checkbox"/> Rule 1103(f)	<input type="checkbox"/> Rule 1103(e)
	<input type="checkbox"/> Rule 109 (05/02/03)	<input type="checkbox"/> Rule 109(g)	<input type="checkbox"/> Rule 109(c)
<input type="checkbox"/> Polyester Resin Operation	<input type="checkbox"/> Rule 1162 (07/09/04)	<input type="checkbox"/> Rule 1162(f)	<input type="checkbox"/> Rule 1162(e)
	<input type="checkbox"/> Rule 1171 (11/07/03)	<input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 1171(c)(6)
<input type="checkbox"/> Primary Magnesium Refining	<input type="checkbox"/> 40 CFR63 SUBPART TTTT	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> Printing Press	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Publicly Owned Treatment Works Operations	<input type="checkbox"/> Rule 1179 (03/06/92)	<input type="checkbox"/> Rule 1179(c)	<input type="checkbox"/> Rule 1179(c) & (d)
	<input type="checkbox"/> 40 CFR60 SUBPART O	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Pumps	See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions	See Applicable Subpart	See Applicable Subpart
	<input checked="" type="checkbox"/> 40 CFR82 SUBPART F	See Applicable Subpart	See Applicable Subpart
<input checked="" type="checkbox"/> Recycling & Recovery Equipment for Ozone Depleting Substances (ODS)	<input type="checkbox"/> 40 CFR82 SUBPART F	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> Refrigerant Reclaimers for Ozone Depleting Substances (ODS)	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Rendering Plant	<input type="checkbox"/> Rule 472 (05/07/76)	N/A	<input type="checkbox"/> Rule 472(b)
<input type="checkbox"/> Rock Crushing	See Nonmetallic Mineral Processing Plants		

**Section II - Applicable Requirements, Test Methods, & MRR Requirements**

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Semiconductor Manufacturing	See Manufacturing, Semiconductors		
<input type="checkbox"/> Sewage Treatment Plants	See Publicly Owned Treatment Works Operation		
<input type="checkbox"/> Site Remediation	<input type="checkbox"/> 40 CFR63 SUBPART GGGGG	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Smelting, Primary Copper	<input type="checkbox"/> 40 CFR63 SUBPART QQQ	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Smelting, Secondary Lead	<input type="checkbox"/> 40 CFR60 SUBPART L	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART X	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Soil Decontamination	<input type="checkbox"/> Rule 1166 (05/11/01)	<input type="checkbox"/> Rule 1166(e)	<input type="checkbox"/> Rule 1166(c)(1)(C)
	<input type="checkbox"/> 40 CFR63 SUBPART GGGGG	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Spray Booth	See Coating Operations		
<input type="checkbox"/> Sterilizer, Ethylene Oxide	<input type="checkbox"/> 40 CFR63 SUBPART O	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Storage Tank, Degassing Operation	<input type="checkbox"/> Rule 1149 (07/14/95)		
	<input type="checkbox"/> 40 CFR63 SUBPART CC		
<input type="checkbox"/> Storage Tank, Greater Than 19,815 Gallon Capacity	<input type="checkbox"/> Rule 463 (05/06/05)	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART F	<input type="checkbox"/> Rule 463(g)	<input type="checkbox"/> Rule 463(e)(5)
	<input type="checkbox"/> 40 CFR63 SUBPART G	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART H	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART I	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR60 SUBPART K	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR60 SUBPART Ka	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR60 SUBPART Kb	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART R	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART CC	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Synthetic Fiber Production Facilities	<input type="checkbox"/> 40 CFR60 SUBPART HHH	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Taconite Iron Ore Processing Facilities	<input type="checkbox"/> 40 CFR63 SUBPART RRRRR	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Turbine, Stationary Gas-Fired	<input type="checkbox"/> Rule 1134 (08/08/97)	<input type="checkbox"/> CEMS Rule 1134(e) & (g)	<input type="checkbox"/> Rule 1134(d) & (f)
	<input type="checkbox"/> Rule 475 (08/07/78)	<input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3	
	<input type="checkbox"/> 40 CFR60 SUBPART GG	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART YYY	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Turbine, Stationary Oil-Fired	<input type="checkbox"/> 40 CFR63 SUBPART YYY	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Valves	See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Vessel, Refinery Process	<input type="checkbox"/> Rule 1123 (12/07/90)	N/A	<input type="checkbox"/> Rule 1123(c)
<input type="checkbox"/> Vessels	See Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Wastewater, Chemical Plant	<input type="checkbox"/> Rule 464 (12/07/90)	N/A	
	<input type="checkbox"/> Rule 1176 (09/13/96)	<input type="checkbox"/> Rule 1176(h)	<input type="checkbox"/> Rule 1176(f) & (g)
	<input type="checkbox"/> 40 CFR63 SUBPART F	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART G	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART H	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART I	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART CC	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Wastewater Treatment, Other	<input type="checkbox"/> Rule 464 (12/07/90)	N/A	
	<input type="checkbox"/> Rule 1176 (09/13/96)	<input type="checkbox"/> Rule 1176(h)	<input type="checkbox"/> Rule 1176(f) & (g)
<input type="checkbox"/> Woodworking Operations	<input type="checkbox"/> Rule 1137 (02/01/02)	N/A	<input type="checkbox"/> Rule 1137(e)



**Section IV – SIP-Approved Rules That Are Not The Most Current AQMD Rules**

Check off each SIP-Approved Rule as it applies to the facility. Use the blanks at the end of this form to fill-in new items.

SIP-Approved Rule	Adoption/ Amendment Date	Check (✓) if Applies	SIP-Approved Rule	Adoption/ Amendment Date	Check (✓) if Applies
218	08/07/81	<input checked="" type="checkbox"/>	1146.2	01/09/98	<input checked="" type="checkbox"/>
401	03/02/84	<input checked="" type="checkbox"/>	1162	11/17/00	<input type="checkbox"/>
403	12/11/98	<input type="checkbox"/>	1166	07/14/95	<input type="checkbox"/>
403.1	01/15/93	<input type="checkbox"/>	1168	10/03/03	<input type="checkbox"/>
431.2	05/04/90	<input type="checkbox"/>	1171	11/07/03	<input checked="" type="checkbox"/>
463	03/11/94	<input type="checkbox"/>	1173	05/13/94	<input type="checkbox"/>
466.1	05/02/80	<input type="checkbox"/>	1186	09/10/99	<input type="checkbox"/>
469	05/07/76	<input type="checkbox"/>	2000	05/11/01	<input type="checkbox"/>
475	10/08/76	<input type="checkbox"/>	2001	05/11/01	<input type="checkbox"/>
1112	01/06/84	<input type="checkbox"/>	2002	05/11/01	<input type="checkbox"/>
1113	11/08/96	<input checked="" type="checkbox"/>	2005	04/20/01	<input type="checkbox"/>
1121	12/10/99	<input type="checkbox"/>	2007	12/05/03	<input type="checkbox"/>
1122	07/11/97	<input type="checkbox"/>	2010	05/11/01	<input type="checkbox"/>
1132	03/05/04	<input type="checkbox"/>	2011	12/05/03	<input type="checkbox"/>
1140	02/01/80	<input type="checkbox"/>	2012	12/05/03	<input type="checkbox"/>
1145	02/14/97	<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>

**Section V – AQMD Rules That Are Not SIP-Approved (Continued on Following Page)**

Check off each AQMD Rule as it applies to the facility. Use the blanks at the end of this form to fill-in new items.

Non SIP-Approved Rule	Adoption/ Amendment Date	Check (✓) if Applies	Non SIP-Approved Rule	Adoption/ Amendment Date	Check (✓) if Applies
53 Los Angeles Co.	N/A	<input checked="" type="checkbox"/>	1170	05/06/88	<input type="checkbox"/>
53 Orange Co.	N/A	<input type="checkbox"/>	1183	03/12/93	<input type="checkbox"/>
53 Riverside Co.	N/A	<input type="checkbox"/>	1186.1	06/04/04	<input type="checkbox"/>
53 San Bernardino Co.	N/A	<input type="checkbox"/>	1191	06/16/00	<input type="checkbox"/>
53A San Bernardino Co.	N/A	<input type="checkbox"/>	1192	06/16/00	<input type="checkbox"/>
218.1	05/14/99	<input checked="" type="checkbox"/>	1193	06/06/03	<input type="checkbox"/>
402	05/07/76	<input checked="" type="checkbox"/>	1194	10/20/00	<input type="checkbox"/>
429	12/21/90	<input type="checkbox"/>	1195	04/20/01	<input type="checkbox"/>
430	07/12/96	<input checked="" type="checkbox"/>	1196	06/04/04	<input type="checkbox"/>
441	05/07/76	<input type="checkbox"/>	1401	03/04/05	<input checked="" type="checkbox"/>
473	05/07/76	<input type="checkbox"/>	1402	03/04/05	<input type="checkbox"/>
477	04/03/81	<input type="checkbox"/>	1403	04/08/94	<input type="checkbox"/>
480	10/07/77	<input type="checkbox"/>	1404	04/06/90	<input type="checkbox"/>
1105.1	11/07/03	<input type="checkbox"/>	1405	01/04/91	<input type="checkbox"/>
1109	08/05/88	<input type="checkbox"/>	1406	07/08/94	<input type="checkbox"/>
1110.1	10/04/85	<input type="checkbox"/>	1407	07/08/94	<input type="checkbox"/>
1110.2	11/14/97	<input checked="" type="checkbox"/>	1411	03/01/91	<input type="checkbox"/>
1116.1	10/20/78	<input type="checkbox"/>	1414	05/03/91	<input type="checkbox"/>
1118	02/13/98	<input type="checkbox"/>	1415	10/14/94	<input type="checkbox"/>
1127	08/06/04	<input type="checkbox"/>	1418	09/10/99	<input type="checkbox"/>
1148.1	03/05/04	<input type="checkbox"/>	1420	09/11/92	<input type="checkbox"/>
1150	10/15/82	<input type="checkbox"/>	1421	12/06/02	<input type="checkbox"/>
1157	01/07/05	<input type="checkbox"/>	1425	03/16/01	<input type="checkbox"/>
1163	06/07/85	<input type="checkbox"/>	1426	05/02/03	<input type="checkbox"/>

Section V - AQMD Rules That Are Not SIP-Approved (Continued on Following Page)					
1469	05/02/03	<input type="checkbox"/>	2009.1	05/11/01	<input type="checkbox"/>
1469.1	03/04/05	<input type="checkbox"/>	2020	05/11/01	<input type="checkbox"/>
1470	03/04/05	<input type="checkbox"/>	2501	05/09/97	<input type="checkbox"/>
2009	01/07/05	<input type="checkbox"/>	2506	12/10/99	<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>

# South Coast Air Quality Management District

## Statement of Basis

### Proposed Renewal of the Title V Permit

<b>Facility Name:</b>	Biola University
<b>Facility ID:</b>	020445
<b>SIC Code:</b>	8221
<b>Equipment Location:</b>	13800 Biola Ave La Mirada, CA 90639-0001
<b>Application #(s):</b>	457009
<b>Application Submittal Date(s):</b>	05/17/2006
<b>Permit Renewal #:</b>	1
<b>Renewal Date:</b>	03/25/2006
<b>Permit Section(s) Affected:</b>	All
<b>AQMD Contact Person:</b>	Maria Vibal, Air Quality Engineer II
<b>Phone Number:</b>	(909) 396-2422
<b>E-Mail Address:</b>	mvibal@aqmd.gov

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#### 1. Introduction and Scope of Permit

Title V is a national operating permit program for air pollution sources. Facilities subject to Title V must obtain a Title V permit and comply with specific Title V procedures to modify the permit. This permit replaces the facility's other existing permits. Title V does not necessarily include any new requirements for reducing emissions. It does, however, include new permitting, noticing, recordkeeping, and reporting requirements.

The AQMD implements Title V through Regulation XXX – Title V Permits, adopted by the AQMD Governing Board in order to comply with EPA's requirement that local air permitting authorities develop a Title V program. Regulation XXX was developed with the participation of the public and affected facilities through a series of public workshops, working group meetings, public hearings and other meetings.

The Title V major source threshold for a particular pollutant depends on the attainment status of the pollutant. NO<sub>2</sub>, SO<sub>2</sub>, CO and lead are in attainment with federal standards. The status for PM-10 is serious nonattainment. The status for ozone is currently extreme nonattainment.

A Title V permit renewal is proposed to be issued to cover the operations of Biola University located at 13800 Biola Ave., La Mirada. This facility is subject to Title V requirements because it is a major source.

## **2. Facility Description**

This is an existing facility that is in the business of providing university education. Biola University is a private Christian university established in 1908. It offers 145 academic programs through its seven schools with the degrees ranging from B.A. to Ph. D. The university campus located in a sprawling 75-acre lot in La Mirada opened in 1959. This facility is operating three cogeneration units equipped with SCR's.

## **3. Construction and Permitting History**

The university campus located in La Mirada commenced operation in 1959. Biola University operates a cogeneration plant which produces electricity and generates waste heat used for heating and cooling on campus. The cogeneration plant consists of three 4-cycle, lean burn internal combustion engines equipped with heat exchangers and electrical generators. Selective catalytic reduction units are used to control the air pollutant emissions from the engines. The two smaller units are identical and were retrofitted with control equipment. The newest unit, which is the largest, was installed with control equipment and Continuous Emissions Monitoring System (CEMS). Permits to construct and permits to operate have been issued to the facility since 1994. An initial Title V permit was issued to the facility on 03/26/2001 and subsequent revisions were issued on 06/21/2002, 11/15/2002, 11/03/2004 and 07/14/2006.

## **4. Regulatory Applicability Determinations**

Applicable legal requirements for which this facility is required to comply are identified in the Title V permit, specifically Sections D, E, and H. Applicability determinations (i.e., determinations made by the District with respect to what legal requirements apply to a specific piece of equipment, process, or operation) can be found in the Engineering Evaluations. This facility is not subject to any NSPS or NESHAP requirements.

## **5. Monitoring and Operational Requirements**

Applicable monitoring and operational requirements for which the facility is required to comply are identified in the Title V permit (see Sections D, F, and J and Appendix B of the proposed Title V permit renewal). Discussion of any applicable monitoring and operational requirements can be found in the Engineering Evaluations. Compliance Assurance Monitoring (CAM) requirements of 40 CFR Part 64 apply to the cogeneration unit under A/N 392580 (SCR A/N 430945). Biola University submitted a CAM Plan application, 457007. Since the subject engine and associated control equipment are equipped with a Continuous Emissions Monitoring System (CEMS), no additional monitoring and operational requirements apply. The CEMS ensures compliance with the CAM requirements of 40 CFR Part 64. The CAM Plan application was approved on Jan. 23, 2008. The evaluation report for A/N 457007 is attached.

## 6. Permit Features

### Permit Shield

A permit shield is an optional part of a Title V permit that gives the facility an explicit protection from requirements that do not apply to the facility. A permit shield is a provision in a permit that states that compliance with the conditions of the permit shall be deemed compliance with all identified regulatory requirements. To incorporate a permit shield into the Title V permit involves submission of applications for change of conditions for each equipment affected by the permit shield. Permit shields are addressed in Rule 3004 (c). This facility applied for permit shields for Rule 405 in A/N's 396250 and 396251 when the initial Title V facility permit was issued. The permit shields were approved.

### Streamlining Requirements

Some emission units may be subject to multiple requirements which are closely related or redundant. The conditions may be streamlined to simplify the permit conditions and compliance. Emission limits, work practice standards, and monitoring, recordkeeping, and reporting requirements may be streamlined. Compliance with a streamlined condition will be deemed compliance with the underlying requirements whether or not the emission unit is actually in compliance with the specific underlying requirement. This facility has not applied for any streamlined conditions.

## 7. Summary of Emissions and Health Risks

### **Criteria Pollutant Emissions (tons/year) Annual Reported Emissions for Reporting Period 2005/2006**

Pollutant	Emissions (tons/year)
NOx	3.4
CO	12.8
VOC	4.2
PM	0.02
SOx	0.04

### **Toxic Air Contaminants Emissions (TAC) Annual Reported Emissions for Reporting Period 2005/2006**

The Following TACs Were Reported	Emissions (lbs/yr)
Ammonia	694
Acrolein	171
Methanol	83
Formaldehyde	58
Hexane	37
Benzene	15
Toluene	14

1, 3 - Butadiene	9
Xylenes	6
Acetaldehyde	3
Naphthalene	3
Ethylene Dibromide	2
Ethyl Benzene	1
Carbon Tetrachloride	1
1, 1, 2, 2 – Tetrachloroethane	1
2 – Methyl Naphthalene (PAH, POM)	1
1, 1, 2 – Trichloroethane	1
Chloroform	1
Ethylene Dichloride	1
1,3 – Dichloropropene	1
Styrene	1
Methylene Chloride	1
Vinyl Chloride	1

### **Health Risk from Toxic Air Contaminants**

The facility is subject to review by the Air Toxics Information and Assessment Act (AB2588). AQMD is tracking the status of this facility under AB2588.

### **8. Compliance History**

As noted, the facility has been in constant operation since 1959. The facility has been subject to both self-reporting requirements and AQMD inspections. The facility has had no citizen complaints filed, 2 Notices to Comply issued, and no Notice of Violation issued in the last two calendar years. The university has since then, achieved compliance with the Notices to Comply.

### **9. Compliance Certification**

By virtue of the Title V permit application and issuance of this permit, the reporting frequency for compliance certification for the facility shall be annual.

### **10. Comments**

The following changes were completed with this Title V renewal application :

<b>Application No.</b>	<b>Permit No.</b>	<b>Action</b>
Section K	N/A	Updated with the latest rule revisions.
Appendix B	N/A	Updated with the most recent rule revisions.

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1/23/8

**EVALUATION REPORT FOR TITLE V FACILITY PERMIT RENEWAL**  
Renewal No. 1 (Revision No. 5)

**APPLICANT'S NAME:** Biola University (Fac. Id no. 20445)

**MAILING ADDRESS:** 13800 Biola Ave  
La Mirada, CA 90639-0001

**EQUIPMENT LOCATION:** 13800 Biola Ave  
La Mirada, CA 90639-0001

**EQUIPMENT DESCRIPTION:**

TITLE V FACILITY PERMIT RENEWAL

**HISTORY/PROCESS DESCRIPTION:**

Rule 3004(f) requires that all Title V permits be renewed every 5 years. This application was received by the District on May 17, 2006, which is within the deadline as required by Rule 3003(a)(6) for the renewal of their Title V permit. Prior to this renewal, the most current version of their Title V permit was issued on July 14, 2006. The submittal in the application includes the following:

- a. A letter from the facility detailing what the application is about.
- b. Forms 400-A and 400-CEQA.
- c. Title V Application Certification Form 500-A2.
- d. Title V List of Exempt Equipment Form 500-B.
- e. Title V Compliance Status Report Form 500-C1, and
- f. Title V Compliance Assurance Monitoring (CAM) Applicability Determination Form 500-H.

This present writer is proposing to issue the title V permit renewal on April 1, 2008. This date takes into account the required public notice and EPA 45-day review.

Since the application was submitted in a timely manner and deemed complete as required by Rule 3003(b)(1) and 3003(c)(5), the application serves as a temporary Title V permit until the Title V permit renewal is issued.

Compliance personnel last inspected Biola University on July 24, 26 and 27, 2007. The copy of the Facility Equipment List Report is in the application file. Notice to Comply D10789 was issued to Biola University on Aug. 1, 2007 to

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provide information on a Rule 1146.2 boiler. Notice to Comply C97284 was issued on Feb. 8, 2006 to provide information on an asbestos demolition project at the university campus. Said notices have already been complied with.

Summary of Changes

The facility permit was updated by completing the changes specified below:

Application No.	Permit No.	Action
Section K	N/A	Updated with the latest rule revisions.
Appendix B	N/A	Updated with the most recent rule revisions.

Section D of the facility permit has been revised to incorporate these changes. Biola University also submitted a Compliance Assurance Monitoring (CAM) Plan application (457007) as required by 40 CFR Part 64 – Compliance Assurance Monitoring, given that the uncontrolled emission of NOx for Cogeneration Unit No. 3 exceeds the major source threshold. The CAM plan was approved on Jan. 23, 2008. No additional monitoring requirements were imposed on the Title V facility permit since the installation of a Continuous Emissions Monitoring System (CEMS) for cogeneration unit no. 3 ensures that Biola University will be in compliance with all requirements specified in 40 CFR Part 64. The evaluation report for A/N 457007 is included in the application file.

The contents in forms 500-A2 and 500-C1 submitted by the applicant have been reviewed. It has been concluded that the operation and equipment at this facility will comply with applicable rules and regulation.

The following revised rules that are applicable to the equipment and operations at this facility have been added in this Title V permit renewal. These rules were amended since the issuance of the last permit revision (except administrative change).

Revised Rules		
Rule No.	Version Dated	Equipment/Operations Affected
Rule 1113	July 13, 2007	Architectural coatings
Rule 1171	July 14, 2006	Hand wiping operations; coating equipment/architectural coatings
Rule 219	June 1, 2007	Exempt equipment
Rule 304	May 4, 2007	Equipment, materials and ambient air analyses

Permit conditions have been reviewed with the tagging of the correct version of the applicable rules including their SIP\* approval status. Section K has been updated to reflect the most current version of the SIP-approved rules. In cases when the non-SIP approved rules are more recent than the version of the SIP-approved rules, then the non-SIP approved rules have also been listed.

The contents in Appendix B and Section K have been updated and made consistent with Section D.

The issuance of the Title V permit renewal will ensure continued compliance.

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**EMISSION CALCULATIONS:**

Not applicable. The changes that were completed in the facility permit did not involve any changes in emissions.

**RULES EVALUATION:**

**Rule 2001:**

The facility is exempt from the requirements per Rule 2001 (i)(2)(H).

**Regulation XXX:**

This facility is included in Phase I of the Title V universe. The initial Title V permit, A/N 338928 was issued on 03/26/2001. The Title V facility permit has undergone four revisions since. These revisions are as follows :

Application No. (Revision No.)	Issue Date
398324 (1)	06/21/2002
405549 (2)	11/15/2002
414111 (3)	11/03/2004
430584 (4)	07/14/2006

The proposed renewal of the Title V permit complies with the following :

**Rule 3003:**

This Title V facility permit renewal application is expected to comply with all applicable requirements of this rule.

Rule 3003(i)(4) – The permit renewal will be issued only after the permit renewal application has been found to comply with all conditions of this rule.

Rule 3003(j) – The proposed permit revision is expected to comply with all requirements.

**Rule 3006(a):**

The proposed Title V facility permit renewal application will comply with the public participation procedures provided in this rule. The required Title V public notice will be distributed in accordance with Rule 3006(a)(1)(A). EPA is afforded the opportunity to review and comment on the project within a 45-day review period. Compliance is expected.

**CONCLUSIONS & RECOMMENDATIONS:**

Following the conclusion of the 45-day EPA review period, and subject to any comments received during this period, it is recommended that the Title V facility permit renewal be issued. This application is expected to comply with all applicable District Rules and Regulations.

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 1/23/8

**EVALUATION REPORT FOR  
 COMPLIANCE ASSURANCE MONITORING (40 CFR PART 64)**

**APPLICANT'S NAME:** Biola University (Fac. ID 20445)

**MAILING ADDRESS:** 13800 Biola Ave  
 La Mirada, CA 90639-0001

**EQUIPMENT LOCATION:** 13800 Biola Ave  
 La Mirada, CA 90639-0001

**EQUIPMENT DESCRIPTION:**

COMPLIANCE ASSURANCE MONITORING (CAM) PLAN

**BACKGROUND:**

Biola University is a Title V facility which is a private Christian university. It offers degrees ranging from B.A. to Ph.D. The Biola Campus has a Central Plant which operates three cogeneration units. The NOx emissions from these units are controlled by three selective catalytic reduction (SCR) systems. Following are the permit numbers for these units and the corresponding SCR equipment.

EQUIPMENT	PERMIT NO./APPL. NO.	PERMIT NO./APPL. NO. (SCR UNIT)
Cogeneration unit #1	F65437/396250	F65436/405547
Cogeneration unit #2	F69024/396251	F69025/405548
Cogeneration unit #3	F61809/392580	F81680/430945

The current Title V permit for this facility expired on Mar. 25, 2006. Biola University submitted an application on May 17, 2006 to renew their Title V permit (A/N 457009). Pursuant to the requirements specified in 40 CFR Part 64 – Compliance Assurance Monitoring, a facility is required to submit a compliance assurance monitoring (CAM) plan as a part of the Title V renewal application. Biola University submitted this CAM plan application (A/N 457007) to comply with 40 CFR Part 64 requirements. This CAM plan is required because the pre-control emissions from Cogeneration unit No. 3 exceeds the NOx threshold level for major facilities as shown below :

Pollutant	Unit # 1, TPY	Unit # 2, TPY	Unit #3, TPY	Threshold, TPY
NOx	8.17	8.17	13.14	10
CO	10.89	10.89	32.86	50
VOC	8.17	8.17	8.15	10
PM10	0	0	0	70
SOx	0.01	0.01	0	100

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**EVALUATION:**

The university operates three internal combustion engines used as cogeneration units each of which is vented to an SCR system. The internal combustion engines operate to generate electricity and utilize waste heat to generate heating and cooling for the university campus. Selective catalytic reduction (SCR) is an add-on NO<sub>x</sub> control technology for process gas streams with significant oxygen (O<sub>2</sub>) content.

**Indicators to be monitored [40CFR64.4(a)(1)]:**

**Outlet NO<sub>x</sub> concentration**

Rule 1110.2 and permit conditions limit the emissions on all three engines to a maximum of 0.15 gram/bhp-hr. NO<sub>x</sub> monitors have been installed to measure the outlet NO<sub>x</sub> concentration of the SCR systems. An annual test for compliance with the NO<sub>x</sub> limit is imposed as a permit condition on Cogeneration unit nos. 1 and 2. The SCR system on cogeneration unit no. 3 is equipped with a Continuous Emissions Monitoring System (CEMS) which continuously records the exit NO<sub>x</sub> concentration.

**NH<sub>3</sub>/NO<sub>x</sub> ratio (NH<sub>3</sub> injection rate)**

The urea injection to the SCR is controlled by feedback from stack concentrations of NO<sub>x</sub>. The injection system is operated by programmable logic controller (PLC) of the computer. It can be operated manually for emergencies and for trouble-shooting purposes. The PLC controls the device for maximum operating efficiency and efficacy. If the NO<sub>x</sub> concentration rises above the emission limits, an alarm sounds in the Central Plant control room. The alarm function is designed to give notice to authorized personnel that there may be a problem with the SCR unit.

**Catalyst bed inlet temperature**

The SCR unit operates at the temperature range of 600-900°F. The permits to operate for the three air pollution control devices specify the minimum operating temperature in the SCR to be 600°F. The same permits to operate also limit the highest temperature at which the exhaust gas stream can enter the SCR (1000°F for cogeneration unit nos. 1 and 2 and 850°F for cogeneration unit no. 3).

**Catalyst activity**

The permits to operate for the three SCR units require that each system be inspected and maintained according to the manufacturer's recommended procedures. Inspection and maintenance records are required to be kept on file for a minimum of five years.

**Outlet NH<sub>3</sub> concentration**

The permits to operate for the three SCR units limit the NH<sub>3</sub> concentration at the outlet of the unit to be no more than 10 ppmv at 15% O<sub>2</sub>. An annual ammonia slip test is required for each unit. Records of the tests are required to be kept on file for a minimum of five years.

**Sulfur content of the fuel**

Each engine is required to operate only on natural gas as provided by their permits to operate. The operator purchases only natural gas which complies with the sulfur content for such fuel required in Rule 431.1.

**Proposed monitoring:**

**Monitoring outlet NO<sub>x</sub> concentration** – The SCR controls emissions of NO<sub>x</sub> by injection of urea. The urea destroys the nitrogen oxides with proper residence time and contact with the SCR media. Samples of exhaust gases are measured by a NO<sub>x</sub> analyzer. The range of measurement for the NO<sub>x</sub> analyzer is 0-20 ppm (corrected to 15% O<sub>2</sub>).

The operation of the SCRs is controlled by the PLC. The PLC is designed to control all facets of the engine operation. If the units operate outside these design criteria, the system sends an alarm to the operator who has the ability to shut down the contributing processes.

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Monitoring catalyst bed inlet and outlet temperatures – The SCR's are equipped with temperature measuring devices to continuously record the inlet and outlet temperatures of the SCR systems. These temperature measuring devices are expected to have an accuracy of within 1% of the temperature being monitored and will be inspected, maintained, and calibrated on an annual basis in accordance with the manufacturer's specifications.

Pursuant to 40 CFR Part 64, deviations occur when the specified conditions of emission limits and temperatures in the permits to operate are exceeded. The cogeneration units are equipped with an alarm system which alerts the operator in the control room with an audible signal when the NO<sub>x</sub> concentration exceeds the limits. The PLC monitors the operation of the SCR's hundreds of times per minute and makes adjustments for efficiency and proper operation. The system captures 15-minute averages and logs them for the record.

Exhaust gas samples are taken from a specified location on the exhaust stack and processed for measurement by the oxygen and NO<sub>x</sub> analyzers. These analyzers are tested daily for operational integrity. The system operator monitors the system for proper operation 24 hours per day. The system is housed in a Central Plant located in the university campus. The operator has a portable analyzer which is used to verify proper operation of the system. The engines are required to be source-tested on a regular basis to ensure they operate in compliance with the required emission limits. These source test reports are kept for a minimum of five years at the facility site. The operator has submitted and obtained approval on a Quality Assurance Plan for the CEMS for Engine No. 3. The same procedures are used for the analytical equipment and controls on Engine Nos. 1 and 2 except for the CEMS-specific procedure.

The operator is required to report all deviations to the AQMD on a semi-annual basis pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 and 23 in Section K of their Title V permit. The semi-annual monitoring report shall include the total operating time of this equipment and the total accumulated duration of all deviations for each semi-annual reporting period specified in Condition No. 23 in Section K of their Title V permit. In addition, the operator is required to submit an application with a Quality Improvement Plan (QIP) in accordance with 40 CFR Part 64.8 to the AQMD if an accumulation of deviations exceeds 5 percent duration of this equipment's total operating time for any semi-annual reporting period specified in Condition No. 23 in Section K of their Title V permit. The required QIP shall be submitted to the AQMD within 90 calendar days after the due date for the semi-annual monitoring report.

As a part of the CAM plan, the operator is required to inspect and maintain all components of the SCR's on an annual basis in accordance with the manufacturer's specifications. The operator is also required to keep adequate records in a format that is acceptable to the AQMD to demonstrate compliance with all applicable CAM requirements specified in 40 CFR Part 64.9 for a minimum of five years.

**RECOMMENDATION:**

This facility is expected to comply with all requirements specified in 40 CFR Part 64. Cogeneration Unit No. 3 which is subject to Compliance Assurance Monitoring requirements is equipped with an AQMD-certified Continuous Emissions Monitoring System (CEMS). The conditions imposed on the CEMS will implement the CAM requirements and no additional monitoring conditions are required. Approval for this CAM plan application is therefore recommended.

# South Coast Air Quality Management District

## Facility Equipment List Report

Run Date : 01/22/2008 08:19 AM

Facility: 20445 BIOLA UNIVERSITY  
 Last Inspection: 07/24/2007  
 SIC: 8221  
 Inspector: TM01 THOMAS N MOORE  
 Inspection Date: 07/24/2007  
 Location Address: 13800 BIOLA AVE, LA MIRADA 90639 Sector:RC  
 Mailing Address:  
 Instruction:

MR: 1402  
 TS: TS-05 Title V (only) Facility  
 Facility Status: Active  
 Assignment No. 1004238  
 Disposition: Notice To Comply

Contact: BRIAN PHILLIPS (562) 9440351  
 Quarter: 0100 - inspect in 2nd quarter, every year  
 On Hold:  
 Facility Team: L  
 Suspended: N

RECLAIM: N	TITLE V: Y	SIP:	AIR:				
Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status
177332				666116 BCAT	PLAN RULE 1166 (CONTAMINATED SOIL HAND.)	11/02/1988	BANKING/ PLAN GRANTED
178126	D83859	06/24/1994	INACTIVE	036007 BCAT	ICE (>500 HP) NAT GAS	11/18/1988	PERMIT TO OPERATE GRANTED
178127	D83858	06/24/1994	INACTIVE	036007 BCAT	ICE (>500 HP) NAT GAS	11/18/1988	PERMIT TO OPERATE GRANTED
178128				011000 BCAT	BOILER, NATURAL GAS	11/18/1988	APPLICATION CANCELLED, REFUND ALL I
178129				011000 BCAT	BOILER, NATURAL GAS	11/18/1988	APPLICATION CANCELLED, REFUND ALL I
231986	M97061	07/26/1991	INACTIVE	248900 BCAT	STORAGE TANK GASOLINE	06/29/1990	PERMIT TO OPERATE GRANTED
231986	M97061	07/26/1991	INACTIVE	92 CCAT	FLARE SYSTEM, REFINERY	06/29/1990	PERMIT TO OPERATE GRANTED
236798				011003 BCAT	BOILER (5-20 MMBTU/HR) NAT GAS ONLY	09/06/1990	APPLICATION CANCELLED, REFUND ALL I
236798				83 CCAT	LOW NOX BURNER	09/06/1990	APPLICATION CANCELLED, REFUND ALL I
236799				83 CCAT	LOW NOX BURNER	09/06/1990	APPLICATION CANCELLED, REFUND ALL I
236799				011003 BCAT	BOILER (5-20 MMBTU/HR) NAT GAS ONLY	09/06/1990	APPLICATION CANCELLED, REFUND ALL I
282534	D82600	05/04/1994	INACTIVE	011003 BCAT	BOILER (5-20 MMBTU/HR) NAT GAS ONLY	09/06/1990	APPLICATION CANCELLED, REFUND ALL I
290237	D82605	05/04/1994	INACTIVE	010003 BCAT	BOILER (5-20 MMBTU/HR) NAT GAS ONLY P/P	06/18/1993	PERMIT TO OPERATE GRANTED
323815				036007 BCAT	ICE (>500 HP) NAT GAS	02/16/1994	PERMIT TO OPERATE GRANTED
323818				011003 BCAT	BOILER (5-20 MMBTU/HR) NAT GAS ONLY	12/04/1996	APPLICATION CANCELLED, KEEP ALL FEE
323819				011003 BCAT	BOILER (5-20 MMBTU/HR) NAT GAS ONLY	12/04/1996	APPLICATION CANCELLED, REFUND ALL I
338928				555001 BCAT	INITIAL TITLE V PERMIT APPLICATION	12/04/1996	APPLICATION CANCELLED, REFUND ALL I
338929	F34523	10/19/2000	INACTIVE	036007 BCAT	ICE (>500 HP) NAT GAS	03/19/1998	BANKING/ PLAN GRANTED
338930	F34524	10/19/2000	INACTIVE	036007 BCAT	ICE (>500 HP) NAT GAS	03/19/1998	PERMIT TO OPERATE GRANTED
342114				024000 BCAT	SPRAY EQUIPMENT OPEN ARCHITECTURAL	06/04/1998	APPLICATION CANCELLED, REFUND ALL I
342115				024000 BCAT	SPRAY EQUIPMENT OPEN ARCHITECTURAL	06/04/1998	APPLICATION CANCELLED, REFUND ALL I
342116				024000 BCAT	SPRAY EQUIPMENT OPEN ARCHITECTURAL	06/04/1998	APPLICATION CANCELLED, REFUND ALL I
342118				024000 BCAT	SPRAY EQUIPMENT OPEN ARCHITECTURAL	06/04/1998	APPLICATION CANCELLED, REFUND ALL I
369686				666415 BCAT	RULE 1415 PLAN NOTIFICATIONS	01/29/2000	BANKING/ PLAN GRANTED
392580	F61809	06/27/2003	ACTIVE	036007 BCAT	ICE (>500 HP) NAT GAS	10/30/2001	PERMIT TO OPERATE GRANTED
392771				81 CCAT	SELECTIVE CATALYTIC REDUCTION	10/30/2001	APPLICATION CANCELLED, KEEP ALL FEE
398250	F65437	01/07/2004	ACTIVE	036007 BCAT	ICE (>500 HP) NAT GAS	01/11/2002	PERMIT TO OPERATE GRANTED

# South Coast Air Quality Management District

## Facility Equipment List Report

Run Date : 01/22/2008 08:19 AM

Facility: 20445 BIOLA UNIVERSITY

Last Inspection: 07/24/2007

SIC: 8221

Inspector: TM01 THOMAS N MOORE

Inspection Date: 07/24/2007

Location Address: 13800 BIOLA AVE, LA MIRADA 90639 Sector: RC

Mailing Address:

Instruction:

MR: 1402

TS: TS-05 Title V (only) Facility

Facility Status: Active

Assignment No.: 1004238

Disposition: Notice To Comply

Contact: BRIAN PHILLIPS (562) 9440351

Quarter: 0100 - inspect in 2nd quarter, every year

On Hold:

Suspended: N

Facility Team: L

RECLAIM: N	TITLE V: Y	SIP:	AIR:				
Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status
396251	F69024	06/16/2004	ACTIVE	036007 BCAT	I C E (>500 HP) NAT GAS	01/16/2002	PERMIT TO OPERATE GRANTED
396490				81 CCAT	SELECTIVE CATALYTIC REDUCTION	01/16/2002	APPLICATION CANCELLED, KEEP ALL FEI
396491				81 CCAT	SELECTIVE CATALYTIC REDUCTION	01/16/2002	APPLICATION CANCELLED, KEEP ALL FEI
398324				555007 BCAT	Title V Permit Revision	03/01/2002	BANKING/ PLAN GRANTED
402534				666415 BCAT	RULE 1415 PLAN NOTIFICATIONS	05/30/2002	BANKING/ PLAN GRANTED
405546	F61810	06/27/2003	INACTIVE	81 CCAT	SELECTIVE CATALYTIC REDUCTION	08/16/2002	PERMIT TO OPERATE GRANTED
405547	F65436	01/07/2004	ACTIVE	81 CCAT	SELECTIVE CATALYTIC REDUCTION	08/16/2002	PERMIT TO OPERATE GRANTED
405548	F69025	06/16/2004	ACTIVE	81 CCAT	SELECTIVE CATALYTIC REDUCTION	08/16/2002	PERMIT TO OPERATE GRANTED
405549				555007 BCAT	Title V Permit Revision	08/20/2002	BANKING/ PLAN GRANTED
414111				555008 BCAT	TITLE V PERMIT ADMIN-AMENDMENT	04/15/2003	BANKING/ PLAN GRANTED
430584				555007 BCAT	Title V Permit Revision	05/27/2004	BANKING/ PLAN GRANTED
430585				036007 BCAT	I C E (>500 HP) NAT GAS	05/27/2004	APPLICATION CANCELLED, KEEP FILING I
430945	F81680	04/21/2006	ACTIVE	81 CCAT	SELECTIVE CATALYTIC REDUCTION	06/09/2004	PERMIT TO OPERATE GRANTED
457007				666302 BCAT	CAM PLAN(COMPL ASSURANCE MONITORING)	05/17/2006	ASSIGNED TO ENGINEER - CLASS III
457009				555002 BCAT	TITLE V PERMIT RENEWAL APPLICATION	05/17/2006	ASSIGNED TO ENGINEER - CLASS III
C02564	P67263	06/28/1976	INACTIVE	70 CCAT	ETHYLENE OXIDE STERILIZATION CTL (HOSP)	01/01/1900	PERMIT TO OPERATE GRANTED
C02564	P67263	06/28/1976	INACTIVE	248915 BCAT	SERV STAT STORAGE & DISPENSING GASOLINE	01/01/1900	PERMIT TO OPERATE GRANTED

Inspector: \_\_\_\_\_

Date: \_\_\_\_\_

Reviewed By: \_\_\_\_\_

Date: \_\_\_\_\_

# South Coast Air Quality Management District

## Facility Equipment List Report

Run Date : 01/22/2008 08:19 AM

Facility: 20445 BIOLA UNIVERSITY  
 Last Inspection: 07/24/2007  
 SIC: 8221

Inspector: TM01 THOMAS N MOORE  
 Inspection Date: 07/24/2007

Location Address: 13800 BIOLA AVE, LA MIRADA 90639 Sector: RC  
 Mailing Address:  
 Instruction:

MR: 1402  
 TS: TS-05 Title V (only) Facility  
 Facility Status: Active  
 Assignment No. 1004238  
 Disposition: Notice To Comply

Contact: BRIAN PHILLIPS (562) 9440351  
 Quarter: 0100 - inspect in 2nd quarter, every year  
 On Hold:  
 Facility Team: L  
 Suspended: N

RECLAIM:	N	TITLE V:	Y	SIP:	AIR:
Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description

Report: Biola University  
 I.D. 020445  
 Inspection Dates: July 24, 26, and 27  
 Contact: Mr. Chris Reyes, Facilities Services Manager

Biola University is an educational institution. The facility operates a cogeneration plant to provide campus electricity and hot and cold water for heating and cooling. Electricity is produced at 16 cents per kilowatt and the recovered heat saves about one million dollars in natural gas expense. Rules 1110.2, 218, 218.1, and the requirements of Title V apply to the facility.

Three cogeneration systems each include a natural gas-fueled, internal combustion engine driving an electric generator, a heat recovery system, an oxidation catalyst for CO control, a urea injection and NOx catalyst for NOx control, and a urea storage tank serving all three systems.

System #3 includes an 1818 BHP engine and is monitored by a CEMS per Rule 1110.2(f)(1)(A). Systems #1 and #2 are identical systems that include 861 BHP engines. These engines are monitored by non-CEMS-approved NOx Analyzers.

A/N 392580, P/O # F61809 is Cogeneration System #3. The engine elapsed hours of operation, only available by telemetry, was 24,002.2 hours (7/27/07). I observed the engine in operation on 7/24/07 and 7/27/07. The engine is monitored by a certified CEMS per Rule 218(b)(2). The certification is dated 3/10/04. The most recent source test conducted by World Environmental on 02/22/07 produced the following measurements:

VOC listed as TNMEHC  
 9.64 ppm @ 15% O2 (complies with the limit of 37)  
 0.04 gr/bhp-hr (complies with the limit of 0.15)

NOx  
 8.98 ppm @ 15% O2 (complies with the limit of 13)  
 0.11 gr/bhp-hr (complies with the limit of 0.15)

CO  
 10.49 ppm @ 15% O2 (complies with the limit of 84)  
 0.08 gr/bhp-hr (complies with the limit of 0.6)

NH3 (ammonia slip-an APC permit requirement)  
 8.74 ppm @ 15% O2 (complies with the limit of 10)

District Source Test Engineering found the source test report "conditionally acceptable" (see "Evaluation of Source Test Report" memo dated 08/08/07).

A/N 396250, P/O # F65437 is Cogeneration System #1. The engine elapsed hours of operation was 84,211.2 hours (7/27/07). I observed the engine in operation on 7/24/07 and 7/27/07. The engine is monitored by a non-CEMS-approved NOx Analyzer. The most recent source test, conducted by World Environmental on 03/27/07, addressed the Year 2006 annual test requirement because the system was down from 12/14/06 to 01/14/07. The test produced the following measurements:

# South Coast Air Quality Management District

## Facility Equipment List Report

Run Date: 01/22/2008 08:19 AM

Facility: 20445 BIOLA UNIVERSITY

Last Inspection: 07/24/2007

SIC: 8221

Inspector: TM01 THOMAS N MOORE

Inspection Date: 07/24/2007

Location Address: 13800 BIOLA AVE, LA MIRADA 90639 Sector: RC

Mailing Address:

Instruction:

MR: 1402

TS: TS-05 Title V (only) Facility

Facility Status: Active

Assignment No. 1004238

Disposition: Notice To Comply

Contact: BRIAN PHILLIPS (562) 9440351

Quarter: 0100 - inspect in 2nd quarter, every year

On Hold:

Facility Team: L

Suspended: N

RECLAIM:	N	TITLE	V	Y	SIP:	AIR:
Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date
						Application Status

VOC listed as TNMEHC

24.23 ppm @ 15% O2 (complies with the limit of 35)

0.14 gr/bhp-hr (complies with the limit of 0.15)

(Note: The permit establishes VOC emission standards but does not require VOC tests.)

NOx

9.55 ppm (corrected to 9.40 ppm per District Source Test Engineering) @ 15% O2 (complies with the limit of 12)

0.15 gr/bhp-hr (complies with the limit of 0.15)

CO

<4.81 ppm @ 15% O2 (complies with the limit of 81)

<0.05 gr/bhp-hr (complies with the limit of 0.6)

NH3 (ammonia slip-an APC permit requirement)

5.68 ppm @ 15% O2 (complies with the limit of 10)

District Source Test Engineering found the source test report "acceptable" (see "Evaluation of Source Test Report" memo dated 07/31/07).

A/N 396251, PIO # F69024 is Cogeneration System #2. The engine elapsed hours of operation was 97,996.0 hours (7/27/07). I observed the engine in operation on 7/24/07. The engine is monitored by a non-CEMS-approved NOx Analyzer. The most recent source test, conducted by World Environmental on 02/21/07, addressed the Year 2006 annual test requirement because the system was down from 12/14/06 to 01/22/07. The test produced the following measurements:

VOC listed as TNMEHC

6.05 ppm @ 15% O2 (complies with the limit of 35)

0.03 gr/bhp-hr (complies with the limit of 0.15)

(Note: The permit establishes VOC emission standards but does not require VOC tests.)

NOx

8.89 ppm @ 15% O2 (complies with the limit of 12.75)

0.14 gr/bhp-hr (complies with the limit of 0.15)

CO

<4.87 ppm @ 15% O2 (complies with the limit of 81)

<0.05 gr/bhp-hr (complies with the limit of 0.6)

NH3 (ammonia slip-an APC permit requirement)

6.3 ppm @ 15% O2 (complies with the limit of 10)

Inspector: \_\_\_\_\_

Date: \_\_\_\_\_

Reviewed By: \_\_\_\_\_

Date: \_\_\_\_\_

# South Coast Air Quality Management District

## Facility Equipment List Report

Facility: 20445 BIOLA UNIVERSITY

Last Inspection: 07/24/2007

SIC: 8221

Inspector: TM01 THOMAS N MOORE

Inspection Date: 07/24/2007

Location Address: 13800 BIOLA AVE, LA MIRADA 90639 Sector: RC

Mailing Address:

Instruction:

MR: 1402

TS: TS-05 Title V (only) Facility

Facility Status: Active

Assignment No. 1004238

Disposition: Notice To Comply

Contact: BRIAN PHILLIPS (562) 9440351

Quarter: 0100 - inspect in 2nd quarter, every year

On Hold:

Facility Team: L

Suspended: N

RECLAIM:	N	TITLE	V	Y	SIP:	AIR:
Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date
						Application Status

District Source Test Engineering found the source test report "conditionally acceptable" (see "Evaluation of Source Test Report" memo dated 08/02/07).

A/N 405547, P/O # F65436 is Air Pollution Control System #1, which controls Cogeneration System #1.

A/N 405548, P/O # F69025 is Air Pollution Control System #2, which controls Cogeneration System #2.

A/N 430945, P/O # F81680 is Air Pollution Control System #3, which controls Cogeneration System #3.

I issued Notice to Comply #D10789 on 08/01/07 to provide manufacture date, NOx and CO emissions for the 925,000 BTUH boiler located in Stewart Hall (H & S Code 42303). In response to the notice I received a letter from Mr. Chris Reyes dated 08/02/07 explaining that a non-resettable hour meter had been installed to demonstrate that the operation of the boiler falls under the exemption in Rule 1146.2(h)(B). A follow-up needs to be done to determine the appropriateness of the ammonia molar flow rate requirement for the Data Gathering and Retrieval System for Air Pollution Control System #3.

Reviewed and approved by VY on 10/03/07

# South Coast Air Quality Management District

NC C97284

## Company

Facility: BIOLA UNIVERSITY (ID: 20445)  
Location Address: 13800 BIOLA, AVE LA MIRADA, CA 90639  
Mailing Address: 13800 BIOLA, AVE LAMIRADA, CA 90638  
Representative: PROJ MGR

## Violation

Notice Issued Date: 2/8/2006  
Violation Date: 2/8/2006  
Serve To: JODY SPICOR  
Issue By: GIAN CAVOTO (Team: A)  
Assignment No.: 925592  
Compliance Acheived Date: 02/17/2006  
Equipment: CONTRACT FOR DEMOLITION  
Description:

Compliance Required: 1/PROVIDE COPY OF ASB SURVEY FOR DEMO'ED SMALL HOUSE FORMERLY LOCATED AT BUSINESS SCHOOL SITE  
2/PROVIDE COPIES OF CONTRACT AND SOW BIOLA UNIV & ASB CONT'R FOR REMOVAL, 3/PROVIDE COPIES OF  
CONT'R SUPV PROJ & WKR LOGS/WASTE REC'D/MANIFEST/4/DEMO NOTIF &

## Disposition

Final Action Code: CLO 2/17/2006 00:00:00  
Date: 2/22/2006  
Violation Days: 0

## Rule/Comment

1403  
42303

## Emittent

## Follow-Up

Status: INCOMP      Inspector ID: GC01      Inspection Date: 02/17/06 00:00      Number:

## Device IDs.

## Inspector Comment

INSPECTOR: \_\_\_\_\_  
signature

DATE: \_\_\_\_\_

SUPERVISOR: \_\_\_\_\_  
signature

DATE: \_\_\_\_\_