



AQMD

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

Title Page	
Facility ID:	800236
Revision #:	3
Date:	October 26, 2011

## FACILITY PERMIT TO OPERATE

**LA CO. SANITATION DIST  
24501 S FIGUEROA ST  
CARSON, CA 90745**

### 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   
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Engineering & Compliance



## FACILITY PERMIT TO OPERATE LA CO. SANITATION DIST

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

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



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### PERMITTED EQUIPMENT LIST

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

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318301	F15559	BOILER > 10 MMBTU/HR, D. GAS	34
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342159	G15413	BOILER (5-20 MMBTU/HR) N. GAS	38
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362301	G15403	APC SYSTEM, CARBON, ODOR	42
368083	G15404	APC SYSTEM, CARBON, ODOR	44
377401	F63905	ICE (> 500 HP) EM, STAT., D. GAS	46
377402	F63906	ICE (> 500 HP) EM, STAT., D. GAS	47
377403	F63907	ICE (> 500 HP) EM, STAT., D. GAS	48
377404	F63908	ICE (> 500 HP) EM, STAT., D. GAS	49
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398529	G15409	APC SYSTEM, BIOTRICKLING & CARBON	51
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418315	F62637	ICE (50-500 HP) EM, ELEC., DIESEL	59
419236	R-F63596	BOILER < 5 MMBTU/HR, N. GAS, LPG	60



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419237	R-F63597	BOILER < 5 MMBTU/HR, N. GAS, LPG	62
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**NOTE:** PERMITS TO CONSTRUCT (IF ANY) ARE LISTED IN SECTION H OF THIS FACILITY PERMIT. ANY OTHER APPLICATIONS THAT ARE STILL BEING PROCESSED AND HAVE NOT BEEN ISSUED PERMITS TO CONSTRUCT OR PERMITS TO OPERATE WILL NOT BE FOUND IN THIS TITLE V PERMIT.



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### FACILITY WIDE CONDITION(S)

**Condition(s):**

- 1) EXCEPT FOR OPEN ABRASIVE BLASTING OPERATIONS, THE OPERATOR SHALL NOT DISCHARGE INTO THE ATMOSPHERE FROM ANY SINGLE SOURCE OF EMISSIONS WHATSOEVER ANY AIR CONTAMINANT FOR A PERIOD OR PERIODS AGGREGATING MORE THAN THREE MINUTES IN ANY ONE HOUR WHICH IS:
  - A. AS DARK OR DARKER IN SHADE AS THAT DESIGNATED NO. 1 ON THE RINGLEMANN CHART, AS PUBLISHED BY THE UNITED STATES BUREAU OF MINES; OR
  - B. OF SUCH OPACITY AS TO OBSCURE AN OBSERVER'S VIEW TO A DEGREE EQUAL TO OR GREATER THAN DOES SMOKE DESCRIBED IN SUBPARAGRAPH (A) OF THIS CONDITION.[RULE 401]
- 2) THE OPERATOR SHALL NOT USE FUEL OIL CONTAINING SULFUR COMPOUNDS IN EXCESS OF 0.05 PERCENT BY WEIGHT. ON AND AFTER JUNE 1, 2004, DIESEL FUEL SHALL NOT BE PURCHASED FOR USE IN ANY STATIONARY SOURCE APPLICATION IN THE DISTRICT, UNLESS THE FUEL IS LOW SULFUR DIESEL FOR WHICH THE SULFUR CONTENT SHALL NOT EXCEED 15 PPM BY WEIGHT AS SUPPLIED BY THE SUPPLIER.  
[RULE 431.2]
- 3) THE OPERATOR SHALL NOT USE FUEL OIL CONTAINING SULFUR COMPOUNDS IN EXCESS OF 15 PPM BY WEIGHT AS SUPPLIED BY THE SUPPLIER FOR USE IN ANY STATIONARY EMERGENCY COMPRESSION IGNITION ENGINE.  
[RULE 1470]
- 4) THE SULFUR CONTENT OF THE DIGESTER GAS BURNED IN ANY STATIONARY EQUIPMENT REQUIRING AN AQMD PERMIT AT THIS FACILITY SHALL NOT EXCEED 40 PPMV MEASURED AS H<sub>2</sub>S, DAILY AVERAGE.  
[RULE 431.1]
- 5) ACCIDENTAL RELEASE PREVENTION REQUIREMENTS OF SECTION 112(r)(7):  
  
THE OPERATOR SHALL COMPLY WITH THE ACCIDENTAL RELEASE PREVENTION REQUIREMENTS PURSUANT TO 40 CFR Part 68 AND SHALL SUBMIT TO THE EXECUTIVE OFFICER, AS PART OF ANNUAL COMPLIANCE CERTIFICATION, A STATEMENT THAT CERTIFIES COMPLIANCE WITH ALL THE REQUIREMENTS OF 40 CFR Part 68, INCLUDING THE REGISTRATION AND SUBMISSION OF A RISK MANAGEMENT PLAN (RMP). THE OPERATOR SHALL SUBMIT ANY ADDITIONAL RELEVANT INFORMATION REQUESTED BY THE EXECUTIVE OFFICER OR DESIGNATED AGENCY.  
[40 CFR68-ACCIDENTAL RELEASE PREVENTION]
- 6) THE OPERATOR SHALL COMPLY WITH THE APPLICABLE AREA SOURCE REQUIREMENTS FOR EXISTING STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINES OF 40 CFR PART 63 SUBPART ZZZZ – NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR RECIPROCATING INTERNAL COMBUSTION ENGINES.  
[40 CFR PART 63 SUBPART ZZZZ]
- 7) THE OPERATOR SHALL MEASURE THE SULFUR CONTENT OF THE DIGESTER GAS ACCORDING TO THE FOLLOWING:
  - A. FOR READINGS UP TO 36 PPM AS H<sub>2</sub>S, DAILY ANALYSIS OF THE DIGESTER GAS FOR H<sub>2</sub>S, USING COLORIMETRIC TUBES, AND WEEKLY ANALYSIS OF THE DIGESTER GAS BY AQMD METHOD 307 – TOTAL SULFUR COMPOUNDS IN FUEL GAS BY GAS CHROMATOGRAPHY AND SULFUR CHEMILUMINESCENCE DETECTOR.
  - B. FOR READINGS ABOVE 36 PPM AS H<sub>2</sub>S, DAILY ANALYSIS OF THE DIGESTER GAS FOR H<sub>2</sub>S BY AQMD METHOD 307 – TOTAL SULFUR COMPOUNDS IN FUEL GAS BY GAS CHROMATOGRAPHY AND SULFUR CHEMILUMINESCENCE DETECTOR. A MINIMUM OF THREE CONSECUTIVE DAILY SAMPLES ARE REQUIRED TO DEMONSTRATE THE TOTAL SULFUR CONTENT IS BELOW 36 PPM.[RULE 431.1]



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**Permit No. P51326  
A/N G01853**

**Equipment Description:**

PEBBLED LIME RECEIVING AND STORAGE SYSTEM CONSISTING OF:

1. PNEUMATIC CONVEYOR WITH SMOOT COMPANY MODEL BF 262 BAGHOUSE, A 150 H.P. COMMON DRIVE BLOWER AND TWO MUFFLERS.
2. PNEUMATIC CONVEYOR WITH A 5 H.P. ROTARY VALVE, A 150 H.P. COMMON DRIVE BLOWER AND TWO MUFFLERS.
3. TWO STORAGE BINS, 22'-0" DIA. X 48'-0" H., WITH A COMMON SMOOT COMPANY, MODEL BF 236, BAGHOUSE FILTER VENT.
4. STORAGE BIN, 15'-6" DIA. X 37'-0" H., WITH A COMMON SMOOT COMPANY, MODEL BF 236 BAGHOUSE FILTER VENT.

**Conditions:**

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

**Emissions and Requirements:**

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

PM: RULE 404



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**Permit No. M03478  
A/N G02487**

**Equipment Description:**

ABRASIVE BLASTING ROOM CONSISTING OF:

1. ABRASIVE BLASTING ROOM, 10'-2" W. X 22'-0" L. X 7'-6" H.
2. NOZZLE, WITH A MAXIMUM INSIDE DIAMETER OF 1/4".
3. SAND SUPPLY TANK, KELCO, MODEL K-124, 600 POUNDS CAPACITY.
4. AIR COMPRESSOR, SULLAIR, MODEL 16-60L, SERIAL NO. 25695 AGF, 110 PSIG MAXIMUM PRESSURE, WITH A 60 H.P. DRIVE.

**Conditions:**

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

**Emissions and Requirements:**

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

PM: RULE 1140, SEE APPENDIX B FOR EMISSION LIMITS



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**Permit No. M03460  
A/N G02689**

**Equipment Description:**

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. BAGHOUSE, JOY MANUFACTURING, PULSEFLO, MODEL 06-121, WITH 121 FILTER BAGS, EACH 4 1/2" D. X 6'-0" L., AN AIR ACTUATED SHAKER, AND AN ENCLOSED DUST CONTAINER.
2. EXHAUST SYSTEM WITH A 15 H.P. BLOWER VENTING AN ABRASIVE BLASTING ROOM AND ONE DUST CONTAINER.

**Conditions:**

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

**Periodic Monitoring:**

- 3) THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON A SEMI-ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE SEMI-ANNUAL PERIOD. THE ROUTINE SEMI-ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED, THE OPERATOR SHALL TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT. THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:
  - A. STACK OR EMISSION POINT IDENTIFICATION;
  - B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS; AND
  - C. DATE AND TIME VISIBLE EMISSION WAS ABATED.[RULE 3004 (a)(4)]



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### Emissions and Requirements:

- 4) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS

PM: RULE 1140, SEE APPENDIX B FOR EMISSION LIMITS



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**Permit No. M03701  
A/N G03038**

**Equipment Description:**

SPRAY BOOTH, SPRAY KING, AUTOMOTIVE FILTER TYPE, SERIES 200, 14'-0" W. X 27'-10" L. X 9'-8" H., WITH ONE 3 H.P. EXHAUST FAN.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS SPRAY BOOTH SHALL NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST TWO INCHES THICK.  
[RULE 1303(a)(1)][RULE 481]
- 4) A GAUGE SHALL BE INSTALLED/MAINTAINED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL SHALL NOT EXCEED 0.25 INCH OF WATER.  
[RULE 204][RULE 481]
- 5) ORGANIC SOLVENTS USED IN THIS EQUIPMENT SHALL BE CLEARLY LABELED AS NON-PHOTOCHEMICALLY REACTIVE BY THE SUPPLIER OR, FOR BULK SHIPMENTS, SHOWN TO BE NON-PHOTOCHEMICALLY REACTIVE ON BILLS OF LADING OR INVOICES.  
[RULE 442]
- 6) THE TOTAL QUANTITY OF COATINGS AND SOLVENTS USED IN THIS EQUIPMENT SHALL NOT EXCEED SIX GALLONS IN ANY ONE DAY OR ONE GALLON IN ANY ONE HOUR.  
[RULE 1303 (b)(2)]



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### Periodic Monitoring:

- 7) THE OPERATOR SHALL PERFORM MONTHLY INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
- A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
  - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
  - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.

[RULE 3004 (a)(4)]

### Emissions and Requirements:

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

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1107, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 442, 109  
PM: RULE 481  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS



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**Permit No. D69775  
A/N G03295**

**Equipment Description:**

AIR POLLUTION CONTROL SYSTEM NO. S2 CONSISTING OF:

1. CARBON FILTER, 7'-0" IN DIAMETER
3. EXHAUST SYSTEM WITH A 5 H.P. BLOWER VENTING BIOLOGICAL REACTORS C AND D INLET CHANNEL.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES, EXCEPT DURING SHUTDOWN FOR CARBON REPLACEMENT OR REGENERATION WHICH SHALL NOT EXCEED A PERIOD OF 48 HOURS.  
[RULE 204]



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### PERMIT TO OPERATE

Permit No. D39342  
A/N 144756

#### Equipment Description:

INTERNAL COMBUSTION ENGINE CATERPILLAR, COMPRESSION-IGNITION, FOUR STROKE, TURBOCHARGED AFTERCOOLED, V-12 TYPE, MODEL NO. 3512 1,000 BHP, DIESEL FIRED, DRIVING AN 800 KW EMERGENCY ELECTRIC GENERATOR, (COMMON TO THE TURBINES).

#### Conditions:

- 1) OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT INCLUDING ITS NOX CONTROL SYSTEM MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS EQUIPMENT SHALL BE OPERATED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.  
[RULE 204]
- 4) ALL RECORDS, SUCH AS FUEL USAGE, MAINTENANCE RECORDS AND PERFORMANCE TEST RESULTS, SHALL BE MAINTAINED FOR FIVE YEARS AND MADE AVAILABLE TO THE EXECUTIVE OFFICER UPON REQUEST.  
[RULE 204]
- 5) THIS ENGINE SHALL NOT BE OPERATED WHENEVER THE TURBINES ARE IN OPERATION, EXCEPT DURING STARTUP.  
[RULE 1303(b)(1)-MODELING EXEMPTION, RULE 1303(b)(2) OFFSET EXEMPTION]
- 6) THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.  
[RULE 1304][RULE 1470]
- 7) THIS EQUIPMENT SHALL NOT BE OPERATED FOR MORE THAN 200 HOURS IN ANY ONE YEAR.  
[RULE 1304][RULE 1470]

#### Emissions and Requirements:

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

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



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**Permit No. R-D69777  
A/N 154179**

**Equipment Description:**

AIR POLLUTION CONTROL SYSTEM NO. S1 CONSISTING OF:

1. ADSORBER 8'-0" DIA X 16'-6" H. WITH A SINGLE CARBON BED, 6'-0" DEEP.
2. MIST ELIMINATOR.
3. EXHAUST SYSTEM WITH ONE BLOWER, 15 HP BLOWER VENTING BIOLOGICAL REACTORS A & B INLET CHANNEL.

**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, EXCEPT DURING SHUTDOWN FOR CARBON REPLACEMENT OR REGENERATION WHICH SHALL NOT EXCEED A PERIOD OF 48 HOURS.  
[RULE 204]
- 3) A DIFFERENTIAL PRESSURE INDICATOR SHALL BE MAINTAINED TO INDICATE, IN INCHES WATER COLUMN, THE PRESSURE DROP ACROSS THE CARBON ADSORBER.  
[RULE 204]
- 4) THE OUTLET GAS CONCENTRATION OF H<sub>2</sub>S FROM THE CARBON ADSORBER SHALL NOT EXCEED 2.5 PPMV.  
[RULE 402]
- 5) SPENT CARBON REMOVED FROM THE ADSORBER SHALL BE PROPERLY DISPOSED OF IN APPROVED SITES OR RETURNED TO A CONTRACT VENDOR FOR REGENERATION.  
[RULE 402]
- 6) STATIC PRESSURE TAPS/MEASUREMENT PORTS SHALL BE MAINTAINED IMMEDIATELY UPSTREAM AND DOWNSTREAM OF THE EXHAUST BLOWER(S).  
[RULE 204]
- 7) THE FINAL EXHAUST GAS CONCENTRATION OF H<sub>2</sub>S FROM THIS EQUIPMENT SHALL BE CHECKED AND RECORDED AT LEAST ONCE PER WEEK. SUCH RECORD SHALL BE KEPT FOR A PERIOD OF AT LEAST TWO YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.



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**Permit No. R-D69782  
A/N 154180**

**Equipment Description:**

AIR POLLUTION CONTROL SYSTEM NO. P15 CONSISTING OF:

1. MIST ELIMINATOR.
2. ADSORBER 10'-0" DIA X 10'-6" H. WITH ONE 10'-0" DIA X 3'-0" H. CARBON BED.
3. EXHAUST SYSTEM WITH 10 HP BLOWER VENTING DIGESTER CLEANINGS AND GRIT STORAGE HOPPERS.

**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, EXCEPT DURING SHUTDOWN FOR CARBON REPLACEMENT OR REGENERATION WHICH SHALL NOT EXCEED A PERIOD OF 48 HOURS..  
[RULE 204]
- 3) A DIFFERENTIAL PRESSURE INDICATOR SHALL BE MAINTAINED TO INDICATE, IN INCHES WATER COLUMN, THE PRESSURE DROP ACROSS THE CARBON ADSORBER.  
[RULE 204]
- 4) THE OUTLET GAS CONCENTRATION OF H<sub>2</sub>S FROM THE CARBON ADSORBER SHALL NOT EXCEED 2.5 PPMV.  
[RULE 402]
- 5) SPENT CARBON REMOVED FROM THE ADSORBER SHALL BE PROPERLY DISPOSED OF IN APPROVED SITES OR RETURNED TO A CONTRACT VENDOR FOR REGENERATION.  
[RULE 402]
- 6) STATIC PRESSURE TAPS/MEASUREMENT PORTS SHALL BE MAINTAINED IMMEDIATELY UPSTREAM AND DOWNSTREAM OF THE EXHAUST BLOWER(S).  
[RULE 204]
- 7) THE FINAL EXHAUST GAS CONCENTRATION OF H<sub>2</sub>S FROM THIS EQUIPMENT SHALL BE CHECKED AND RECORDED AT LEAST ONCE PER WEEK. SUCH RECORD SHALL BE KEPT FOR A PERIOD OF AT LEAST TWO YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 204]



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. R-D06537  
A/N 178480**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. NT-855-GS, TURBOCHARGED, 355 BHP.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) AN ELAPSED TIME METER SHALL BE INSTALLED/MAINTAINED SO AS TO INDICATE IN CUMULATIVE HOURS, THE AMOUNT OF TIME THE ENGINE HAS OPERATED.  
[RULE 1304][RULE 1470][RULE 1110.2]
- 4) THE ENGINE IS LIMITED TO AN OPERATING SCHEDULE OF NO MORE THAN 200 HOURS CUMULATIVE IN ANY ONE CALENDAR YEAR.  
[RULE 1304][RULE 1470][RULE 1110.2]
- 5) THE ENGINE TIMING OF THIS ENGINE MUST BE INSPECTED, ADJUSTED, AND CERTIFIED, AT A MINIMUM, ONCE EVERY THREE YEARS OF OPERATION. INSPECTIONS, ADJUSTMENTS, AND CERTIFICATIONS MUST BE PERFORMED BY A QUALIFIED MECHANIC AND ACCORDING TO THE ENGINE MANUFACTURER'S PROCEDURES.  
[RULE 1303(a)(1)-BACT][RULE 204]
- 6) AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 204][RULE 1470][RULE 1110.2]

**Emissions and Requirements:**

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

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



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. D06534  
A/N 179580**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. NTA 855-GS, SERIAL NO. 30110495, 6 CYLINDERS, FOUR CYCLE, TURBOCHARGED, AFTERCOOLED, 425 BHP.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) AN ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED SO AS TO INDICATE IN CUMULATIVE HOURS, THE AMOUNT OF TIME THE ENGINE HAS OPERATED.  
[RULE 1304][RULE 1470] [RULE 1110.2]
- 4) THE ENGINE IS LIMITED TO AN OPERATING SCHEDULE OF NO MORE THAN 200 HOURS CUMULATIVE IN ANY ONE CALENDAR YEAR.  
[RULE 1304][RULE 1470] [RULE 1110.2]
- 5) THE ENGINE TIMING OF THIS ENGINE MUST BE INSPECTED, ADJUSTED, AND CERTIFIED, AT A MINIMUM, ONCE EVERY THREE YEARS OF OPERATION. INSPECTIONS, ADJUSTMENTS, AND CERTIFICATIONS MUST BE PERFORMED BY A QUALIFIED MECHANIC AND ACCORDING TO THE ENGINE MANUFACTURER'S PROCEDURES.  
[RULE 1303(a)(1)-BACT][RUL 204]
- 6) AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 204][RULE 1470] [RULE 1110.2]

**Emissions and Requirements:**

- 7) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
PM: RULE 404, SEE APPENDIX B FOR EMISSIONS LIMITS  
PM: RULE 1470



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. D10240  
A/N 191411**

**Equipment Description:**

LIQUEFIED PETROLEUM GAS (LPG) STORAGE FACILITY CONSISTING OF:

1. PRESSURIZED LPG STORAGE TANK, 20,000 GALLON CAPACITY, 8'-11" DIA X 47"-11" L., WITH ONE PRESSURE RELIEF VALVE.
2. PRESSURIZED LPG STORAGE TANK, 10,000 GALLON CAPACITY, 8'-8" DIA X 26"-6" L., WITH ONE PRESSURE RELIEF VALVE.

**Conditions:**

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



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. D21335  
A/N 220319**

**Equipment Description:**

SOLVENT STILL, PURASTILL, MODEL S-15, 2'-0" W. X 2'-8" L. X 2'-3" H., 15 GALLONS CAPACITY, ELECTRICALLY HEATED, 3 KW, WITH A WATER COOLING CONDENSER.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS EQUIPMENT SHALL BE USED ONLY FOR THE DISTILLATION OF WASTE SOLVENT WHICH HAS A MINIMUM BOILING POINT OF 140 DEGREE °F OR GREATER.  
[RULE 1303(b)(2)]
- 4) THIS EQUIPMENT SHALL NOT BE USED TO PROCESS MORE THAN 15 GALLONS OF WASTE SOLVENT IN ANY ONE DAY.  
[RULE 1303(b)(2)]
- 5) THE HEAT TO THE STILL SHALL BE SHUT OFF AUTOMATICALLY WHENEVER THE HEATER TEMPERATURE EXCEEDS THE SET POINT TEMPERATURE.  
[RULE 204]
- 6) THE HEAT TO THE STILL SHALL BE SHUT OFF AUTOMATICALLY WHENEVER THE COOLING WATER FLOW RATE IS MEASURED LESS THAN 15 GALLONS PER HOUR.  
[RULE 204]
- 7) GAUGES SHALL BE INSTALLED TO MEASURE THE FLOW RATE (IN GALLONS PER HOUR) OF WATER AT THE INLET OF THE CONDENSER.  
[RULE 204]
- 8) RECORDS SHALL BE MAINTAINED TO SHOW COMPLIANCE WITH PERMIT CONDITIONS. THE RECORDS SHALL BE MAINTAINED ON FILE FOR AT LEAST FIVE YEARS, AND MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.  
[RULE 204]



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. D36679  
A/N 227958**

**Equipment Description:**

OPEN ABRASIVE BLASTING SYSTEM CONSISTING OF:

1. ABRASIVE BLASTING POT, KELCO, MODEL K-116A, 300 LB CAPACITY.
2. AN AQMD PERMITTED INTERNAL COMBUSTION ENGINE, GASOLINE FUELED, 100 HP, DRIVING A COMPRESSOR WITH A MAXIMUM DELIVERY RATE OF 185 CFM AT 125 PSIG.
3. TWO ABRASIVE BLASTING NOZZLES WITH A MAXIMUM INSIDE DIAMETER OF ¼ INCH.

**Conditions:**

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

**Emissions and Requirements:**

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

PM: RULE 1140, SEE APPENDIX B FOR EMISSION LIMITS



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. F7992  
A/N 300551**

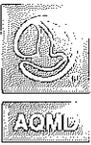
**Equipment Description:**

AIR POLLUTION CONTROL SYSTEM NO. S5 CONSISTING OF:

1. ADSORBER WITH A SINGLE CARBON BED, 3'-0" DEPTH MINIMUM.
2. MIST ELIMINATOR.
3. EXHAUST SYSTEM WITH TWO BLOWERS (ONE STANDBY) VENTING BIOLOGICAL REACTORS E AND F INLET CHANNEL.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THE OUTLET GAS CONCENTRATION OF H<sub>2</sub>S FROM THE ADSORBER SHALL NOT EXCEED 1.0 PPM.  
[RULE 402]
- 4) THE FINAL EXHAUST GAS CONCENTRATION OF H<sub>2</sub>S SHALL BE CHECKED AND RECORDED AT LEAST ONCE PER WEEK. SUCH RECORDS SHALL BE KEPT FOR A PERIOD OF AT LEAST FIVE (5) YEARS AND BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 204]



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

- 5) WITHIN SIXTY (60) DAYS OF START-UP, BUT NO LATER THAN ONE HUNDRED EIGHTY (180) DAYS AFTER INITIAL START-UP UNLESS OTHERWISE APPROVED IN WRITING BY THE AQMD, PERFORMANCE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH AQMD TEST PROCEDURES AND WRITTEN TEST RESULTS SHALL BE FURNISHED TO THE AQMD WITHIN SIXTY (60) DAYS AFTER THE TESTS ARE CONDUCTED. WRITTEN NOTICE OF SUCH PERFORMANCE TESTS SHALL BE PROVIDED TO THE AQMD SEVEN (7) DAYS PRIOR TO THE PERFORMANCE TEST SO THAT AN OBSERVER MAY BE PRESENT. ALL SOURCE TESTING AND ANALYTICAL METHODS SHALL BE SUBMITTED TO THE AQMD FOR APPROVAL AT LEAST SIXTY (60) DAYS PRIOR TO THE START OF THE TESTS,

THE PERFORMANCE TESTS SHALL INCLUDE, BUT MAY NOT BE LIMITED TO A TEST OF THE INLET AND OUTLET OF THE CONTROL SYSTEM FOR:

- A. HYDROGEN SULFIDE.
- B. QUALITATIVE IDENTIFICATION OF CHEMICAL COMPOUNDS USING A GAS CHROMATOGRAPH/MASS SPECTROMETRY METHOD (GC/MS). QUANTITATIVELY ANALYZE EACH COMPOUND IDENTIFIED BY GC/MS FOR ITS VOLUME CONCENTRATION.

[RULE 1401]

- 6) SPENT CARBON REMOVED FROM THE ADSORBER SHALL BE PROPERLY DISPOSED OF IN APPROVED SITES OR RETURNED TO A CONTRACT VENDOR FOR REGENERATION.

[RULE 402]

- 7) THIS EQUIPMENT MUST BE IN OPERATION WHEN THE EQUIPMENT IT VENTS IS IN OPERATION, EXCEPT FOR PERIODS OF SHUTDOWN DUE TO MAINTENANCE, WHICH SHALL NOT EXCEED 48 HOURS.

[RULE 402]



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. F7990  
A/N 300553**

**Equipment Description:**

AIR POLLUTION CONTROL SYSTEM NO. S6 CONSISTING OF:

1. ADSORBER WITH A SINGLE CARBON BED, 3'-0" DEPTH MINIMUM.
2. MIST ELIMINATOR.
3. EXHAUST SYSTEM WITH TWO BLOWERS (ONE STANDBY) VENTING BIOLOGICAL REACTORS G AND H INLET CHANNEL.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THE OUTLET GAS CONCENTRATION OF H<sub>2</sub>S FROM THE ADSORBER SHALL NOT EXCEED 1.0 PPM.  
[RULE 402]
- 4) THE FINAL EXHAUST GAS CONCENTRATION OF H<sub>2</sub>S SHALL BE CHECKED AND RECORDED AT LEAST ONCE PER WEEK. SUCH RECORDS SHALL BE KEPT FOR A PERIOD OF AT LEAST FIVE (5) YEARS AND BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 204]



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

- 5) WITHIN SIXTY (60) DAYS OF START-UP, BUT NO LATER THAN ONE HUNDRED EIGHTY (180) DAYS AFTER INITIAL START-UP UNLESS OTHERWISE APPROVED IN WRITING BY THE AQMD, PERFORMANCE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH AQMD TEST PROCEDURES AND WRITTEN TEST RESULTS SHALL BE FURNISHED TO THE AQMD WITHIN SIXTY (60) DAYS AFTER THE TESTS ARE CONDUCTED. WRITTEN NOTICE OF SUCH PERFORMANCE TESTS SHALL BE PROVIDED TO THE AQMD SEVEN (7) DAYS PRIOR TO THE PERFORMANCE TEST SO THAT AN OBSERVER MAY BE PRESENT. ALL SOURCE TESTING AND ANALYTICAL METHODS SHALL BE SUBMITTED TO THE AQMD FOR APPROVAL AT LEAST SIXTY (60) DAYS PRIOR TO THE START OF THE TESTS,

THE PERFORMANCE TESTS SHALL INCLUDE, BUT MAY NOT BE LIMITED TO A TEST OF THE INLET AND OUTLET OF THE CONTROL SYSTEM FOR:

- A. HYDROGEN SULFIDE.
- B. QUALITATIVE IDENTIFICATION OF CHEMICAL COMPOUNDS USING A GAS CHROMATOGRAPH/MASS SPECTROMETRY METHOD (GC/MS). QUANTITATIVELY ANALYZE EACH COMPOUND IDENTIFIED BY GC/MS FOR ITS VOLUME CONCENTRATION.

[RULE 1401]

- 6) SPENT CARBON REMOVED FROM THE ADSORBER SHALL BE PROPERLY DISPOSED OF IN APPROVED SITES OR RETURNED TO A CONTRACT VENDOR FOR REGENERATION.

[RULE 402]

- 7) THIS EQUIPMENT MUST BE IN OPERATION WHEN THE EQUIPMENT IT VENTS IS IN OPERATION, EXCEPT FOR PERIODS OF SHUTDOWN DUE TO MAINTENANCE, WHICH SHALL NOT EXCEED 48 HOURS.

[RULE 402]



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. R-F7984  
A/N 300570**

**Equipment Description:**

AIR POLLUTION CONTROL SYSTEM NO. SP5 CONSISTING OF:

1. SCRUBBER, PACKED TYPE, WITH TWO SCRUBBING LIQUID RECIRCULATING PUMPS (ONE STANDBY).
2. ADSORBER, WITH A SINGLE CARBON BED, 3'-0" DEPTH MINIMUM.
3. MIST ELIMINATOR.
4. EXHAUST SYSTEM WITH TWO EXHAUST BLOWERS (ONE STANDBY), VENTING THE CENTRATE TREATMENT PROCESS.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THE OUTLET GAS CONCENTRATION OF H<sub>2</sub>S FROM THE ADSORBER SHALL NOT EXCEED 1.0 PPM.  
[RULE 402]
- 4) THE FINAL EXHAUST GAS CONCENTRATION OF H<sub>2</sub>S SHALL BE CHECKED AND RECORDED AT LEAST ONCE PER WEEK. SUCH RECORDS SHALL BE KEPT FOR A PERIOD OF AT LEAST FIVE (5) YEARS AND BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 204]
- 5) SPENT CARBON REMOVED FROM THE ADSORBER SHALL BE PROPERLY DISPOSED OF IN APPROVED SITES OR RETURNED TO A CONTRACT VENDOR FOR REGENERATION.  
[RULE 402]



## FACILITY PERMIT TO OPERATE LA CO. SANITATION DIST

- 6) WITHIN SIXTY (60) DAYS OF START-UP, BUT NO LATER THAN ONE HUNDRED EIGHTY (180) DAYS AFTER INITIAL START-UP UNLESS OTHERWISE APPROVED IN WRITING BY THE AQMD, PERFORMANCE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH AQMD TEST PROCEDURES AND WRITTEN TEST RESULTS SHALL BE FURNISHED TO THE AQMD WITHIN SIXTY (60) DAYS AFTER THE TESTS ARE CONDUCTED. WRITTEN NOTICE OF SUCH PERFORMANCE TESTS SHALL BE PROVIDED TO THE AQMD SEVEN (7) DAYS PRIOR TO THE PERFORMANCE TEST SO THAT AN OBSERVER MAY BE PRESENT. ALL SOURCE TESTING AND ANALYTICAL METHODS SHALL BE SUBMITTED TO THE AQMD FOR APPROVAL AT LEAST SIXTY (60) DAYS PRIOR TO THE START OF THE TESTS,

THE PERFORMANCE TESTS SHALL INCLUDE, BUT MAY NOT BE LIMITED TO A TEST OF THE INLET AND OUTLET OF THE CONTROL SYSTEM FOR:

- A. H<sub>2</sub>S.
- B. QUALITATIVE IDENTIFICATION OF CHEMICAL COMPOUNDS USING A GAS CHROMATOGRAPH/MASS SPECTROMETRY METHOD (GC/MS). QUANTITATIVELY ANALYZE EACH COMPOUND IDENTIFIED BY GC/MS FOR ITS VOLUME CONCENTRATION.

[RULE 1401]

- 7) SPENT CARBON REMOVED FROM THE ADSORBER SHALL BE PROPERLY DISPOSED OF IN APPROVED SITES OR RETURNED TO A CONTRACT VENDOR FOR REGENERATION.

[RULE 402]

- 8) THIS EQUIPMENT MUST BE IN OPERATION WHEN THE EQUIPMENT IT VENTS IS IN OPERATION, EXCEPT FOR PERIODS OF SHUTDOWN DUE TO MAINTENANCE, WHICH SHALL NOT EXCEED 48 HOURS.

[RULE 402]



## FACILITY PERMIT TO OPERATE LA CO. SANITATION DIST

### PERMIT TO OPERATE

Permit No. G15416  
A/N 300575

#### Equipment Description:

PRIMARY AND SECONDARY SEWAGE TREATMENT SYSTEM CONSISTING OF:

1. HEADWORKS:
  - A. TWO UNDERGROUND PLENUMS, COVERED.
  - B. NINE BAR SCREENS WITH AUTOMATIC RAKES.
  - C. SIX SCREEN GRINDERS.
  - D. ASSOCIATED INFLUENT AND SCREENING PUMPS.
  - E. TWO ROTARY SCREENING COMPACTORS.
  - G. TWO STORAGE BINS.
  
2. GRIT SEPARATION:
  - A. SIX GRIT CHAMBERS NOS. 1 – 6.
  - B. ASSOCIATED COMPRESSORS AND PUMPS.
  - C. TWO GRIT LOAD-OUT HOPPERS.
  - D. SIX GRIT STORAGE BINS.
  - E. SIX GRIT CYCLONES.
  - F. SIX GRIT CLASSIFIERS.
  - G. TWO GRIT LOADING STATIONS.
  
3. PRIMARY SEDIMENTATION:
  - A. E-1 BATTERY: PRIMARY TANK NOS. 15-22, 240' L. x 21' W. x 12' D., COVERED.
  - B. E-2 BATTERY: PRIMARY TANK NOS. 23-36, 300' L. x 18' W. x 9' D., COVERED.
  - C. E-3 BATTERY: PRIMARY TANK NOS. 37-47, 300' L. x 18' W. x 10' D. AND PRIMARY TANK NOS. 48-52, 300' W. x 18' L. x 12' D. AND PRIMARY TANK NOS. 53-66, 300' L. X 21' W. x 12' D., COVERED.
  
4. POLYMER FEED STATION:
  - A. TWO POLYMER STORAGE TANKS WITH PUMPS.
  - B. THREE POLYMER MIX TANKS WITH METERING PUMPS.
  
5. BIOLOGICAL REACTOR SUB-SYSTEM STAGE I:
  - A. TWO REACTOR TRAINS, EACH APPROXIMATELY 187'-6" W. X 250'-0" L. X 15'-0" D., WITH FOUR LIQUID STAGES AND TWELVE GAS STAGES, WITH ASSOCIATED PURGE BLOWERS.
  - B. EIGHTEEN MECHANICAL OXYGENATORS AND SIX MECHANICAL MIXERS.
  - C. TWO BLOWERS, EACH 18,000 CFM, VENTED TO 15' TALL X 3' DIAMETER STACKS.
  - D. FIFTY-TWO FINAL CLARIFIERS, EACH APPROXIMATELY 21'-0" W. X 167'-0" L. X 14'-0" D., WITH ASSOCIATED SLUDGE RETURN PUMPS.
  
6. BIOLOGICAL REACTOR SUB-SYSTEM STAGE II:



## FACILITY PERMIT TO OPERATE LA CO. SANITATION DIST

- A. TWO REACTOR TRAINS, EACH APPROXIMATELY 187'-6" W. X 250'-0" L. X 15'-0" D., WITH FOUR LIQUID STAGES AND TWELVE GAS STAGES, WITH ASSOCIATED PURGE BLOWERS.
  - B. EIGHTEEN MECHANICAL OXYGENATORS AND SIX MECHANICAL MIXERS.
  - C. FIFTY-TWO FINAL CLARIFIERS, EACH APPROXIMATELY 21'-0" W. X 167'-0" L. X 14'-0" D., WITH ASSOCIATED SLUDGE RETURN PUMPS.
7. BIOLOGICAL REACTOR SUB-SYSTEM STAGE III:
- A. FOUR REACTOR TRAINS, EACH APPROXIMATELY 187'-6" W. X 250'-0" L. X 15'-0" D., WITH FOUR LIQUID STAGES AND TWELVE GAS STAGES, WITH ASSOCIATED PURGE BLOWERS.
  - B. THIRTY-SIX MECHANICAL OXYGENATORS AND TWELVE MECHANICAL MIXERS.
  - C. FOUR BLOWERS, EACH 18,000 CFM, VENTED TO 15' TALL X 3' DIAMETER STACKS.
  - D. ONE HUNDRED AND FOUR FINAL CLARIFIERS, EACH APPROXIMATELY 21'-0" W. X 167'-0" L. X 14'-0" D., WITH ASSOCIATED SLUDGE RETURN PUMPS.
8. WASH WATER SUB-SYSTEM:
- A. ONE MECHANICAL AUTO STRAINER WITH ASSOCIATED PUMPS.
9. SECONDARY EFFLUENT CHLORINATION:
- A. EIGHT SODIUM HYPOCHLORITE STORAGE TANKS WITH ASSOCIATED TRUCK DELIVERY CONNECTIONS.
10. SECONDARY EFFLUENT PUMP STATION:
- A. FIVE PUMPS, EACH WITH AN ELECTRIC MOTOR.
11. PRIMARY AND WASTE ACTIVATED SLUDGE (WAS) SUB-SYSTEMS:
- A. RAW SLUDGE WET WELLS NOS. 1 AND 2 WITH ASSOCIATED PUMPS AND COMPRESSORS.
  - B. TWO WASTE ACTIVATED SLUDGE (WAS) WET WELLS WITH ASSOCIATED BOOSTER PUMPS.

### Conditions:

- 1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3. THIS EQUIPMENT SHALL BE OPERATED ONLY BY PERSONS PROPERLY TRAINED IN ITS OPERATION.  
[RULE 204]



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## FACILITY PERMIT TO OPERATE LA CO. SANITATION DIST

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4. THE HEADWORKS, GRIT SEPARATION, PRIMARY SEDIMENTATION AND, INLETS TO THE BIOLOGICAL REACTORS SHALL BE VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE (EXCEPT DURING REPAIR AND MAINTENANCE EVENTS) AND WHICH HAS BEEN ISSUED VALID PERMITS TO CONSTRUCT OR PERMIT TO OPERATE.  
[RULE 402]
  
5. THE MAXIMUM QUANTITY OF WASTEWATER TREATED BY THIS EQUIPMENT SHALL NOT EXCEED 400 MILLION GALLONS IN ANY ONE DAY, BASED ON A MONTHLY AVERAGE, EXCEPT DURING WET WEATHER AND EMERGENCY SITUATIONS.  
[RULE 1303]
  
6. DAILY RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH CONDITION NO. 6 ABOVE. THESE RECORDS SHALL BE KEPT FOR A PERIOD OF AT LEAST TWO YEARS AND SHALL BE MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.  
[RULE 204]
  
7. AERATION OF THE FOURTH STAGE OF THE BIOLOGICAL REACTORS SHALL NOT EXCEED 18,000 CFM FOR EACH INDIVIDUAL REACTOR.  
[RULE 1303, RULE 1401]



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. D95135  
A/N 309637**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, CATERPILLAR, 8 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. 3208 ATAAC, 292 BHP, DIESEL FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304][RULE 1470][RULE 1110.2]
- 4) THE OPERATING TIME OF THIS ENGINE SHALL NOT EXCEED 200 HOURS IN ANY ONE YEAR.  
[RULE 1304][RULE 1470] [RULE 1110.2]
- 6) AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 204] [RULE 1470] [RULE 1110.2]

**Emissions and Requirements:**

- 7) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 1470



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. F12273  
A/N 318298**

**Equipment Description:**

BOILER #7 CONTINENTAL, 500 HP, MODEL F 152A500LS SERIAL NO. 6777, 22 MMBTU/HR, DIGESTER GAS FIRED, WITH FLUE GAS RECIRCULATION.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS EQUIPMENT SHALL BE OPERATED BY AND MAINTAINED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.  
[RULE 204]
- 4) THE QUANTITY OF THE DIGESTER GAS BURNED IN THE BOILER SHALL BE CONTINUOUSLY MONITORED AND RECORDED.  
[RULE 1303(b)(2)]
- 5) ALL RECORDS SHALL BE KEPT FOR A PERIOD OF AT LEAST FIVE (5) YEARS AND BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 204]
- 6) THIS BOILER SHALL BE FIRED WITH DIGESTER GAS ONLY.  
[RULE 1303(a)(1)]
- 7) THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN FULL OPERATION WHENEVER THIS BOILER IS IN OPERATION.  
[RULE 1303(a)(1)]



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**Emissions and Requirements:**

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

CO: 2000 PPMV, RULE 407  
CO: 400 PPMV, RULE 1146  
NOX: 40 PPMV, RULE 1146  
PM: 0.1 GRAIN/SCF RULE 409



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. F15558  
A/N 318300**

**Equipment Description:**

BOILER #8 CONTINENTAL, 500 HP, MODEL F 152A500LS SERIAL NO. 6777, 22 MMBTU/HR, DIGESTER GAS FIRED, WITH FLUE GAS RECIRCULATION.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS EQUIPMENT SHALL BE OPERATED BY AND MAINTAINED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.  
[RULE 204]
- 4) THE QUANTITY OF THE DIGESTER GAS BURNED IN THE BOILER SHALL BE CONTINUOUSLY MONITORED AND RECORDED.  
[RULE 1303(b)(2)]
- 5) ALL RECORDS SHALL BE KEPT FOR A PERIOD OF AT LEAST FIVE YEARS AND BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 204]
- 6) THIS BOILER SHALL BE FIRED WITH DIGESTER GAS ONLY.  
[RULE 1301(a)(1)]
- 7) THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN FULL OPERATION WHENEVER THIS BOILER IS IN OPERATION.  
[RULE 1301(a)(1)]



## FACILITY PERMIT TO OPERATE LA CO. SANITATION DIST

### Emissions and Requirements:

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

CO: 2000 PPMV, RULE 407  
CO: 400 PPMV, RULE 1146  
NOX: 40 PPMV, RULE 1146  
PM: 0.1 GRAIN/SCF RULE 409



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. F15559  
A/N 318301**

**Equipment Description:**

BOILER #9 CYCLOTHERM, 500 HP, MODEL C5-17500, 21 MMBTU/HR, DIGESTER GAS FIRED, WITH FLUE GAS RECIRCULATION.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS EQUIPMENT SHALL BE OPERATED BY AND MAINTAINED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.  
[RULE 204]
- 4) THE QUANTITY OF THE DIGESTER GAS BURNED IN THE BOILER SHALL BE CONTINUOUSLY MONITORED AND RECORDED.  
[RULE 1303(b)(2)]
- 5) ALL RECORDS SHALL BE KEPT FOR A PERIOD OF AT LEAST TWO YEARS AND BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 204]
- 6) THIS BOILER SHALL BE FIRED WITH DIGESTER GAS ONLY.  
[RULE 1303(a)(1)]
- 7) THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN FULL OPERATION WHENEVER THIS BOILER IS IN OPERATION.  
[RULE 1303(a)(1)]



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**Emissions and Requirements:**

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

CO: 2000 PPMV, RULE 407  
CO: 400 PPMV, RULE 1146  
NOX: 40 PPMV, RULE 1146  
PM: 0.1 GRAIN/SCF RULE 409



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. F13765  
A/N 318302**

**Equipment Description:**

BOILER NO.10, CLEAVER BROOKS, FIRETUBE TYPE, 500 HP, 21 MMBTU/HR, DIGESTER GAS FIRED, WITH FLUE GAS RECIRCULATION AND OXYGEN TRIM SYSTEM.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS EQUIPMENT SHALL BE OPERATED BY AND MAINTAINED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.  
[RULE 204]
- 4) THE QUANTITY OF THE DIGESTER GAS BURNED IN THE BOILER SHALL BE CONTINUOUSLY MONITORED AND RECORDED.  
[RULE 1303(b)(2)]
- 5) ALL RECORDS SHALL BE KEPT FOR A PERIOD OF AT LEAST TWO YEARS AND BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 204]
- 6) THIS BOILER SHALL BE FIRED WITH DIGESTER GAS ONLY.  
[RULE 1303(a)(1)]
- 7) THE FLUE GAS RECIRCULATION SYSTEM AND THE OXYGEN TRIM SYSTEM SHALL BE IN FULL OPERATION WHENEVER THIS BOILER IS IN OPERATION.  
[RULE 1303(a)(1)]



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**Emissions and Requirements:**

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

CO: 2000 PPMV, RULE 407  
CO: 400 PPMV, RULE 1146  
NOX: 40 PPMV, RULE 1146  
PM: 0.1 GRAIN/SCF RULE 409



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. G15413  
A/N 342159**

**Equipment Description:**

BOILER NO. 11, BURNHAM INDUSTRIAL, MODEL LN5L-500-SPL-IC, FIRETUBE TYPE, WITH A MAXIMUM 16.7 MMBTU/HR, INDUSTRIAL COMBUSTION, MODEL LNDG-252P, BURNER, NATURAL GAS FIRED, WITH FLUE GAS RECIRCULATION SYSTEM, OPERATING AS A STANDBY UNIT.

**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 CONDITIONS AT ALL TIMES.  
[RULE 204]
3. THIS BOILER SHALL BE FIRED ON NATURAL GAS ONLY.  
[RULE 1303(a)(1), RULE 1303(b)(2)]
4. THIS EQUIPMENT SHALL BE OPERATED IN COMPLIANCE WITH ALL PROVISIONS OF RULE 1146.  
[RULE 1146]
5. A NON-RESETTABLE FUEL METER AND RECORDING SYSTEM SHALL BE INSTALLED AND MAINTAINED TO MEASURE AND RECORD THE VOLUME OF NATURAL GAS SUPPLIED TO THE BOILER.  
[RULE 1303(a)(1), RULE 1303(b)(2)]
6. THE VOLUME OF NATURAL GAS SUPPLIED TO THIS BOILER SHALL NOT EXCEED 1.89 MILLION CUBIC FEET PER MONTH.  
[RULE 1303(a)(1), RULE 1303(b)(2)]
7. AN OPERATING LOG LISTING THE DATE OF OPERATION AND FUEL CONSUMPTION SHALL BE RECORDED AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO THE SCAQMD PERSONNEL UPON REQUEST.  
[RULE 1303(a)(1), RULE 1303(b)(2)]
8. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE EMISSION LIMITS OF CO AND NOX, AT LEAST ONCE EVERY THREE YEARS USING SCAQMD APPROVED TEST METHODS. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITION. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING AND RECORDKEEPING REQUIREMENTS IN SECTION E AND K OF THIS PERMIT.  
[RULE 1146]



## FACILITY PERMIT TO OPERATE LA CO. SANITATION DIST

### Emissions and Requirements:

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

CO: 2000 PPM, RULE 407  
CO: 400 PPMV, DRY BASIS @ 3% O<sub>2</sub>, RULE 1146  
CO: 100 PPMV, DRY BASIS @ 3% O<sub>2</sub>, RULE 1303(a)(1)  
NOX: 30 PPMV, DRY BASIS @ 3% O<sub>2</sub>, RULE 1146  
NOX: 20 PPMV, DRY BASIS @ 3% O<sub>2</sub>, RULE 1303(a)(1)  
PM: 0.1 GRAIN/SCF, RULE 409



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. G15402  
A/N 362299**

**Equipment Description:**

AIR POLLUTION CONTROL SYSTEM NO. P16A CONSISTING OF:

1. ACTIVATED CARBON ADSORBER, 10 FEET IN DIAMETER AND 10 FEET HIGH, WITH A CARBON BED, 10 FEET IN DIAMETER AND 3 FEET HIGH.
2. WATER KNOCKOUT SYSTEM.
3. EXHAUST SYSTEM, 4,200 SCFM, VENTING DIGESTER CLEANING STATION NO. 2, TRUCK LOADING BUILDING.

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE CONCENTRATION OF SULFUR COMPOUNDS MEASURED AS HYDROGEN SULFIDE (H<sub>2</sub>S) AT THE OUTLET TO THE CARBON ADSORBER SHALL NOT EXCEED 1.0 PART PER MILLION VOLUME.  
[RULE 402, RULE 1401]
4. WHEN OPERATING, THE CONCENTRATION OF THE HYDROGEN SULFIDE AT THE OUTLET TO THE CARBON ADSORBER SHALL BE MEASURED AT LEAST ONCE A WEEK, AT THE CONTROL SYSTEM'S MAXIMUM UTILIZATION.  
[RULE 204]
5. WHENEVER THE H<sub>2</sub>S CONCENTRATION EXCEEDS THE LIMIT DESCRIBED UNDER CONDITION NO. 3, THE CARBON SHALL BE REPLACED.  
[RULE 204]
6. SPENT CARBON REMOVED FROM THE SYSTEM SHALL BE MAINTAINED OR STORED IN CLOSED CONTAINERS PRIOR TO REMOVAL FROM SITE.  
[RULE 402]
7. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL KEEP RECORDS OF OPERATING AND MONITORING DATA, AND CARBON REPLACEMENT DATES. THESE RECORDS SHALL BE MAINTAINED FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.  
[RULE 204]



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**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

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8. THIS EQUIPMENT SHALL BE MAINTAINED AND OPERATING WHEN THE TRUCK LOADING BUILDING IS IN OPERATION, EXCEPT FOR PERIODS OF MAINTENANCE SHUTDOWN, WHICH SHALL NOT EXCEED 48 HOURS.  
[RULE 402]



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. G15403  
A/N 362301**

**Equipment Description:**

AIR POLLUTION CONTROL SYSTEM NO. P16B CONSISTING OF:

1. ACTIVATED CARBON ADSORBER, 10 FEET IN DIAMETER AND 10 FEET HIGH, WITH A CARBON BED, 10 FEET IN DIAMETER AND 3 FEET HIGH.
2. WATER KNOCKOUT SYSTEM.
3. EXHAUST SYSTEM, 4,200 SCFM, VENTING DIGESTER CLEANING STATION NO. 2, SCREENING BUILDING.

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE CONCENTRATION OF SULFUR COMPOUNDS MEASURED AS HYDROGEN SULFIDE (H<sub>2</sub>S) AT THE OUTLET TO THE CARBON ADSORBER SHALL NOT EXCEED 1.0 PART PER MILLION VOLUME.  
[RULE 402, RULE 1401]
4. WHEN OPERATING, THE CONCENTRATION OF THE HYDROGEN SULFIDE AT THE OUTLET TO THE CARBON ADSORBER SHALL BE MEASURED AT LEAST ONCE A WEEK, AT THE CONTROL SYSTEM'S MAXIMUM UTILIZATION.  
[RULE 204]
5. WHENEVER THE H<sub>2</sub>S CONCENTRATION EXCEEDS THE LIMIT DESCRIBED UNDER CONDITION NO. 3, THE CARBON SHALL BE REPLACED.  
[RULE 204]
6. SPENT CARBON REMOVED FROM THE SYSTEM SHALL BE MAINTAINED OR STORED IN CLOSED CONTAINERS PRIOR TO REMOVAL FROM SITE.  
[RULE 402]
7. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL KEEP RECORDS OF OPERATING AND MONITORING DATA, AND CARBON REPLACEMENT DATES. THESE RECORDS SHALL BE MAINTAINED FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.  
[RULE 204]



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**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

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8. THIS EQUIPMENT SHALL BE MAINTAINED AND OPERATING WHEN THE SCREENING BUILDING IS IN OPERATION, EXCEPT FOR PERIODS OF MAINTENANCE SHUTDOWN, WHICH SHALL NOT EXCEED 48 HOURS.  
[RULE 402]



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. G15404  
A/N 368083**

**Equipment Description:**

AIR POLLUTION CONTROL SYSTEM NO. P16C CONSISTING OF:

1. ACTIVATED CARBON ADSORBER, 10 FEET IN DIAMETER AND 10 FEET HIGH, WITH A CARBON BED, 10 FEET IN DIAMETER AND 3 FEET HIGH.
2. WATER KNOCKOUT SYSTEM.
3. EXHAUST SYSTEM, 4,200 SCFM, VENTING DIGESTER CLEANING STATION NO. 2, SCREENING BUILDING.

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE CONCENTRATION OF SULFUR COMPOUNDS MEASURED AS HYDROGEN SULFIDE (H<sub>2</sub>S) AT THE OUTLET TO THE CARBON ADSORBER SHALL NOT EXCEED 1.0 PART PER MILLION VOLUME.  
[RULE 402, RULE 1401]
4. WHEN OPERATING, THE CONCENTRATION OF THE HYDROGEN SULFIDE AT THE OUTLET TO THE CARBON ADSORBER SHALL BE MEASURED AT LEAST ONCE A WEEK, AT THE CONTROL SYSTEM'S MAXIMUM UTILIZATION.  
[RULE 204]
5. WHENEVER THE H<sub>2</sub>S CONCENTRATION EXCEEDS THE LIMIT DESCRIBED UNDER CONDITION NO. 3, THE CARBON SHALL BE REPLACED.  
[RULE 204]
6. SPENT CARBON REMOVED FROM THE SYSTEM SHALL BE MAINTAINED OR STORED IN CLOSED CONTAINERS PRIOR TO REMOVAL FROM SITE.  
[RULE 402]
7. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL KEEP RECORDS OF OPERATING AND MONITORING DATA, AND CARBON REPLACEMENT DATES. THESE RECORDS SHALL BE MAINTAINED FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.  
[RULE 204]



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

8. THIS EQUIPMENT SHALL BE MAINTAINED AND OPERATING WHEN THE SCREENING BUILDING IS IN OPERATION, EXCEPT FOR PERIODS OF MAINTENANCE SHUTDOWN, WHICH SHALL NOT EXCEED 48 HOURS.  
[RULE 402]



## FACILITY PERMIT TO OPERATE LA CO. SANITATION DIST

### PERMIT TO OPERATE

Permit No. F63905  
A/N 377401

#### Equipment Description:

EMERGENCY INTERNAL COMBUSTION ENGINE, INGERSOLL-RAND, SPARK IGNITED, FOUR CYCLE, 10 CYLINDER, NATURALLY ASPIRATED, MODEL PKVG-10, SERIAL NO. 10PZ219, 1,120 BHP, DIGESTER GAS FIRED WITH PROPANE AS STANDBY FUEL, WITH AIR INJECTION AND AUTOMATIC SPARK ADJUSTMENT SYSTEM FOR NOX CONTROL, DRIVING PUMP NO. 1 AT PRIMARY EFFLUENT PUMP STATION.

#### Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) A NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304][RULE 1110.2]
- 4) THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE CALENDAR YEAR.  
[RULE 1304] [RULE 1110.2]
- 5) THIS ENGINE SHALL BE FIRED ON DIGESTER GAS ONLY. PROPANE MAY BE USED DURING EMERGENCY SITUATIONS WHEN DIGESTER GAS IS UNAVAILABLE AND FOR ENGINE EXERCISE ONLY.  
[RULE 1303(a)(1)]
- 6) AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED OPERATING TIME IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1304] [RULE 1110.2]

#### Emissions and Requirements:

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



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. F63906  
A/N 377402**

**Equipment Description:**

EMERGENCY INTERNAL COMBUSTION ENGINE, INGERSOLL-RAND, SPARK IGNITED, FOUR CYCLE, 10 CYLINDER, NATURALLY ASPIRATED, MODEL PKVG-10, SERIAL NO. 10PZ246, 1,120 BHP, DIGESTER GAS FIRED WITH PROPANE AS BACKUP FUEL, WITH AIR INJECTION AND AUTOMATIC SPARK ADJUSTMENT SYSTEM FOR NOX CONTROL, DRIVING PUMP NO. 2 AT PRIMARY EFFLUENT PUMP STATION.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) A NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304][RULE 1110.2]
- 4) THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE CALENDAR YEAR.  
[RULE 1304] [RULE 1110.2]
- 5) THIS ENGINE SHALL BE FIRED ON DIGESTER GAS ONLY. PROPANE MAY BE USED DURING EMERGENCY SITUATIONS WHEN DIGESTER GAS IS UNAVAILABLE AND FOR ENGINE EXERCISE ONLY.  
[RULE 1303(a)(1)]
- 6) AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED OPERATING TIME IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1304] [RULE 1110.2]

**Emissions and Requirements:**

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



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. F62637  
A/N 377403**

**Equipment Description:**

EMERGENCY INTERNAL COMBUSTION ENGINE, INGERSOLL-RAND, SPARK IGNITED, FOUR CYCLE, 10 CYLINDER, NATURALLY ASPIRATED, MODEL PKVG-10, SERIAL NO. 10PZZ21, 1,120 BHP, DIGESTER GAS FIRED WITH PROPANE AS BACKUP FUEL, WITH AIR INJECTION AND AUTOMATIC SPARK ADJUSTMENT SYSTEM FOR NOX CONTROL, DRIVING PUMP NO. 3 AT PRIMARY EFFLUENT PUMP STATION.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) A NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304][RULE 1110.2]
- 4) THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE CALENDAR YEAR.  
[RULE 1304] [RULE 1110.2]
- 5) THIS ENGINE SHALL BE FIRED ON DIGESTER GAS ONLY. PROPANE MAY BE USED DURING EMERGENCY SITUATIONS WHEN DIGESTER GAS IS UNAVAILABLE AND FOR ENGINE EXERCISE ONLY.  
[RULE 1303(a)(1)]
- 6) AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED OPERATING TIME IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1304] [RULE 1110.2]

**Emissions and Requirements:**

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



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. F63908  
A/N 377404**

**Equipment Description:**

EMERGENCY INTERNAL COMBUSTION ENGINE, INGERSOLL-RAND, SPARK IGNITED, FOUR CYCLE, 10 CYLINDER, NATURALLY ASPIRATED, MODEL PKVG-10, SERIAL NO. 10PZ218, 1,120 BHP, DIGESTER GAS FIRED WITH PROPANE AS BACKUP FUEL, WITH AIR INJECTION AND AUTOMATIC SPARK ADJUSTMENT SYSTEM FOR NOX CONTROL, DRIVING PUMP NO. 4 AT PRIMARY EFFLUENT PUMP STATION.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) A NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304] [RULE 1110.2]
- 4) THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE CALENDAR YEAR.  
[RULE 1304] [RULE 1110.2]
- 5) THIS ENGINE SHALL BE FIRED ON DIGESTER GAS ONLY. PROPANE MAY BE USED DURING EMERGENCY SITUATIONS WHEN DIGESTER GAS IS UNAVAILABLE AND FOR ENGINE EXERCISE ONLY.  
[RULE 1303(a)(1)]
- 6) AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED OPERATING TIME IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1304] [RULE 1110.2]

**Emissions and Requirements:**

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



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. F63909  
A/N 377405**

**Equipment Description:**

EMERGENCY INTERNAL COMBUSTION ENGINE, INGERSOLL-RAND, SPARK IGNITED, FOUR CYCLE, 10 CYLINDER, NATURALLY ASPIRATED, MODEL PKVG-10, SERIAL NO. 10PZ225, 1,120 BHP, DIGESTER GAS FIRED WITH PROPANE AS BACKUP FUEL, WITH AIR INJECTION AND AUTOMATIC SPARK ADJUSTMENT SYSTEM FOR NOX CONTROL, DRIVING PUMP NO. 5 AT PRIMARY EFFLUENT PUMP STATION.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) A NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304] [RULE 1110.2]
- 4) THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE CALENDAR YEAR.  
[RULE 1304] [RULE 1110.2]
- 5) THIS ENGINE SHALL BE FIRED ON DIGESTER GAS ONLY. PROPANE MAY BE USED DURING EMERGENCY SITUATIONS WHEN DIGESTER GAS IS UNAVAILABLE AND FOR ENGINE EXERCISE ONLY.  
[RULE 1303(a)(1)]
- 6) AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED OPERATING TIME IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1304] [RULE 1110.2]

**Emissions and Requirements:**

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



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. G15409  
A/N 398529**

**Equipment Description:**

CENTRAL ODOR CONTROL SYSTEM CONSISTING OF:

1. TWO (2) EXHAUST BLOWERS (ONE STANDBY), EACH 60,000 CFM CAPACITY, VENTING THE PRIMARY TREATMENT CONSISTING OF HEADWORKS, GRIT REMOVAL, AND INLET CHANNELS TO THE SEDIMENTATION TANKS.
2. THREE (3) BIOTRICKLING FILTERS, CONSTRUCTED IN PARALLEL, EACH 22'-6" D. X 28' H., EACH WITH A 240 GPM RECIRCULATING PUMP, AND A LAVA ROCK MEDIA OF 12' HIGH, A MOISTURE TRAP, VENTED TO THREE (3) CARBON VESSELS.
3. THREE (3) CARBON VESSELS, CONSTRUCTED IN PARALLEL, EACH 25' D. X 11' H., EACH WITH 44,000 POUNDS OF ACTIVATED CARBON.

**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. FLOWMETERS SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE FLOW RATE OF SOLUTION SUPPLIED TO EACH BIOTRICKLING FILTER.  
[RULE 204]
4. THE TOTAL AIR FLOW RATE TO THIS CONTROL EQUIPMENT SHALL NOT EXCEED 60,000 CFM. FLOWMETER(S) SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE TOTAL AIR FLOW RATE IN CUBIC FEET PER MINUTE (CFM).  
[RULE 204][RULE 1401]
5. THE CONCENTRATION OF SULFUR COMPOUNDS MEASURED AS HYDROGEN SULFIDE (H<sub>2</sub>S) AT THE OUTLET OF THE ODOR CONTROL SYSTEM SHALL NOT EXCEED 1.0 PARTS PER MILLION VOLUME.  
[RULE 402][RULE 1401]
6. THE CONCENTRATION OF HYDROGEN SULFIDE AT THE OUTLET OF THE AIR POLLUTION CONTROL SYSTEM SHALL BE MEASURED AND RECORDED AT LEAST ONCE A WEEK.  
[RULE 204]



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7. SPENT CARBON REMOVED FROM THE SYSTEM SHALL BE MAINTAINED OR STORED IN CLOSED CONTAINERS PRIOR TO REMOVAL FROM THE SITE.  
[RULE 402]
  
8. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL KEEP RECORDS OF H<sub>2</sub>S MONITORING DATA AND MAINTENANCE ACTIVITIES. THESE RECORDS SHALL BE MAINTAINED FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.  
[RULE 204]



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. G15410  
A/N 398530**

**Equipment Description:**

ODOR CONTROL SYSTEM NO. E-1, CONSISTING OF:

1. TWO (2) EXHAUST BLOWERS (ONE STANDBY), EACH 30,000 CFM CAPACITY, VENTING THE E-1 PRIMARY SEDIMENTATION TANKS AND SKIMMINGS CHANNEL.
2. ONE (1) BIOTRICKLING FILTERS, 21' L. X 21' W., WITH TWO (2) 464 GPM RECIRCULATING PUMPS, LAVA ROCK MEDIA OF 12' H., AND A MOISTURE TRAP, VENTED TO TWO (2) CARBON VESSELS.
3. TWO (2) CARBON VESSELS, CONSTRUCTED IN PARALLEL, EACH 21' L. X 21' W., EACH WITH 37,000 POUNDS OF ACTIVATED CARBON.

**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. FLOWMETERS SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE FLOW RATE OF SOLUTION SUPPLIED TO EACH BIOTRICKLING FILTER.  
[RULE 204]
4. THE TOTAL AIR FLOW RATE TO THIS CONTROL EQUIPMENT SHALL NOT EXCEED 30,000 CFM. FLOWMETER(S) SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE TOTAL AIR FLOW RATE IN CUBIC FEET PER MINUTE (CFM).  
[RULE 204][RULE 1401]
5. THE CONCENTRATION OF SULFUR COMPOUNDS MEASURED AS HYDROGEN SULFIDE (H<sub>2</sub>S) AT THE OUTLET OF THE ODOR CONTROL SYSTEM SHALL NOT EXCEED 0.5 PARTS PER MILLION VOLUME.  
[RULE 402][RULE 1401]
6. THE CONCENTRATION OF HYDROGEN SULFIDE AT THE OUTLET OF THE AIR POLLUTION CONTROL SYSTEM SHALL BE MEASURED AND RECORDED AT LEAST ONCE A WEEK.  
[RULE 204]
7. SPENT CARBON REMOVED FROM THE SYSTEM SHALL BE MAINTAINED OR STORED IN CLOSED CONTAINERS PRIOR TO REMOVAL FROM THE SITE.  
[RULE 402]



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**FACILITY PERMIT TO OPERATE  
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8. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL KEEP RECORDS OF H<sub>2</sub>S MONITORING DATA AND MAINTENANCE ACTIVITIES. THESE RECORDS SHALL BE MAINTAINED FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST. [RULE 204]



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. G15411  
A/N 398531**

**Equipment Description:**

ODOR CONTROL SYSTEM NO E-2, CONSISTING OF:

1. TWO (2) EXHAUST BLOWERS (ONE STANDBY), EACH 50,000 CFM CAPACITY, VENTING THE E-2 PRIMARY SEDIMENTATION TANKS AND SKIMMINGS CHANNEL.
2. TWO (2) BIOTRICKLING FILTERS, CONSTRUCTED IN PARALLEL, EACH 19' L. X 19' W., EACH WITH A 380 GPM RECIRCULATING PUMP AND A LAVA ROCK MEDIA OF 12' HIGH, AND A MOISTURE TRAP, VENTED TO THREE (3) CARBON VESSELS.
3. THREE (3) CARBON VESSELS, CONSTRUCTED IN PARALLEL, EACH 18' L. X 18' W., EACH WITH 29,000 POUNDS OF ACTIVATED CARBON.

**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. FLOWMETERS SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE FLOW RATE OF SOLUTION SUPPLIED TO EACH BIOTRICKLING FILTER.  
[RULE 204]
4. THE TOTAL AIR FLOW RATE TO THIS CONTROL EQUIPMENT SHALL NOT EXCEED 50,000 CFM. FLOWMETER(S) SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE TOTAL AIR FLOW RATE IN CUBIC FEET PER MINUTE (CFM).  
[RULE 204][RULE 1401]
5. THE CONCENTRATION OF SULFUR COMPOUNDS MEASURED AS HYDROGEN SULFIDE (H<sub>2</sub>S) AT THE OUTLET OF THE ODOR CONTROL SYSTEM SHALL NOT EXCEED 0.5 PART PER MILLION VOLUME.  
[RULE 402][RULE 1401]
6. THE CONCENTRATION OF HYDROGEN SULFIDE AT THE OUTLET OF THE AIR POLLUTION CONTROL SYSTEM SHALL BE MEASURED AND RECORDED AT LEAST ONCE A WEEK.  
[RULE 204]



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**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

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7. SPENT CARBON REMOVED FROM THE SYSTEM SHALL BE MAINTAINED OR STORED IN CLOSED CONTAINERS PRIOR TO REMOVAL FROM THE SITE.  
[RULE 402]
  
8. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL KEEP RECORDS OF H<sub>2</sub>S MONITORING DATA AND MAINTENANCE ACTIVITIES. THESE RECORDS SHALL BE MAINTAINED FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.  
[RULE 204]



## FACILITY PERMIT TO OPERATE LA CO. SANITATION DIST

### PERMIT TO OPERATE

Permit No. G15412  
A/N 398532

#### Equipment Description:

ODOR CONTROL SYSTEM NO E-3, CONSISTING OF:

1. TWO (2) EXHAUST BLOWERS (ONE STANDBY), EACH 100,000 CFM CAPACITY, VENTING THE E-3 PRIMARY SEDIMENTATION TANKS AND SKIMMINGS CHANNEL.
2. FOUR (4) BIOTRICKLING FILTERS, CONSTRUCTED IN PARALLEL, EACH 22' L. X 22' W., EACH WITH A 580 GPM RECIRCULATING PUMP, AND LAVA ROCK MEDIA OF 12' HIGH AND A MOISTURE TRAP, VENTED TO THREE CARBON VESSELS.
3. THREE (3) CARBON VESSELS, CONSTRUCTED IN PARALLEL, EACH 29' L. X 29' W., EACH WITH 67,000 POUNDS OF ACTIVATED CARBON.

#### 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. FLOWMETERS SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE FLOW RATE OF SOLUTION SUPPLIED TO EACH BIOTRICKLING FILTER.  
[RULE 204]
4. THE TOTAL AIR FLOW RATE TO THIS CONTROL EQUIPMENT SHALL NOT EXCEED 100,000 CFM. FLOWMETER(S) SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE TOTAL AIR FLOW RATE IN CUBIC FEET PER MINUTE (CFM).  
[RULE 204][RULE 1401]
5. THE CONCENTRATION OF SULFUR COMPOUNDS MEASURED AS HYDROGEN SULFIDE (H<sub>2</sub>S) AT THE OUTLET OF THE ODOR CONTROL SYSTEM SHALL NOT EXCEED 0.5 PART PER MILLION VOLUME.  
[RULE 402][RULE 1401]
6. THE CONCENTRATION OF HYDROGEN SULFIDE AT THE OUTLET OF THE AIR POLLUTION CONTROL SYSTEM SHALL BE MEASURED AND RECORDED AT LEAST ONCE A WEEK.  
[RULE 204]



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**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

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7. SPENT CARBON REMOVED FROM THE SYSTEM SHALL BE MAINTAINED OR STORED IN CLOSED CONTAINERS PRIOR TO REMOVAL FROM THE SITE.  
[RULE 402]
  
8. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL KEEP RECORDS OF H<sub>2</sub>S MONITORING DATA AND MAINTENANCE ACTIVITIES. THESE RECORDS SHALL BE MAINTAINED FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.  
[RULE 204]



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. F62637  
A/N 418315**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, JOHN DEERE, MODEL NO. 3029T, SERIAL NO. PE3029T244791, 64 BHP, DIESEL-FUELED, TURBOCHARGED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a)(4)][RULE 1470]
- 4) THE OPERATING TIME OF THIS ENGINE SHALL NOT EXCEED 199 HOURS IN ANY ONE YEAR.  
[RULE 1304][RULE 1470]
- 5) AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 204][RULE 1470]

**Emissions and Requirements:**

- 6) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 1470



## FACILITY PERMIT TO OPERATE LA CO. SANITATION DIST

### PERMIT TO OPERATE

Permit No. R-F63596  
A/N 419236

#### Equipment Description:

BOILER, PARKER BOILER CO., MODEL NO. T2600LK, SERIAL NO. 54274, WITH ONE 2.6 MILLION BTU PER HOUR PARKER BOILER PREMIX METAL FIBER LOW NOX BURNER, MODEL NO. PB 22.5 LN, NATURAL GAS FIRED.

#### Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THE PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS BOILER SHALL BE FIRED ON NATURAL GAS ONLY.  
[RULE 1303][RULE 1401]
- 4) A FLOW INDICATOR IN THE NATURAL GAS SUPPLY LINE TO THE BOILER SHALL BE INSTALLED AND OPERATED WHENEVER THE BOILER IS IN OPERATION.  
[RULE 1303(b)(2)]
- 5) THIS BOILER SHALL EMIT NO MORE THAN 12 PPM FOR OXIDES OF NITROGEN (NOX), CALCULATED AS NO<sub>2</sub>, AND 100 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% OXYGEN.  
[RULE 1303(a)(1)]
- 6) THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT SOURCE TESTS UNDER THE FOLLOWING CONDITIONS:
  - A. SOURCE TESTING SHALL BE CONDUCTED ON ONE OF THE TWO PARKER BOILERS ISSUED UNDER A/NS 419236 AND 419237.
  - B. SOURCE TESTING SHALL BE CONDUCTED WITHIN 180 DAYS AFTER INITIAL START-UP OR WITHIN 90 DAYS AFTER RECEIPT OF THIS PERMIT, UNLESS OTHERWISE APPROVED IN WRITING BY THE EXECUTIVE OFFICER.
  - C. THE SOURCE TESTS SHALL BE PERFORMED TO VERIFY COMPLIANCE WITH NOX AND CO EMISSION LIMITS SPECIFIED IN CONDITION NO.5.
  - D. THE SOURCE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH SCAQMD METHOD 100.1.
  - E. THE TESTS SHALL BE CONDUCTED WHILE THE BOILER IS OPERATING AT MAXIMUM, MINIMUM AND AVERAGE FIRING RATES. THE SAMPLING TIMES SHALL BE AT LEAST 15 CONSECUTIVE MINUTES FOR MAXIMUM AND



## FACILITY PERMIT TO OPERATE LA CO. SANITATION DIST

MINIMUM LOADS AND AT LEAST ONE HOUR FOR NORMAL OPERATING LOAD.

- F. WRITTEN NOTICE OF THE SOURCE TESTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, ATTN: TOXICS AND WASTE MANAGEMENT TEAM, 21865 COPLEY DRIVE DIAMOND BAR, CA 91765) AT LEAST 14 DAYS PRIOR TO TESTING SO THAT AN OBSERVER MAY BE PRESENT.
  - G. TWO COMPLETE COPIES OF SOURCE TEST REPORTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, ATTN: TOXICS AND WASTE MANAGEMENT TEAM, 21865 COPLEY DRIVE, DIAMOND BAR, CA 91765), REFERENCING THE A/N, WITHIN 45 DAYS AFTER THE TEST. THE REPORT SHALL INCLUDE, BUT NOT LIMITED TO EMISSIONS RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE BOILER, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATING DATA SHALL ALSO BE INCLUDED FOR EACH FIRING RATE:
    - I. THE FIRING RATES IN BTU PER HOUR.
    - II. THE EXHAUST TEMPERATURE, IN DEGREES F.
    - III. AIR/FUEL RATIO AT EACH LOAD.
    - IV. THE OXYGEN CONTENT OF THE EXHAUST GASES, IN PERCENT.
    - V. THE FUEL FLOW RATE.
  - H. A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANT TO BE MEASURED, AND IN COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TEST.
  - I. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217.  
[RULE 1303(a)(1)]
- 7) ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT AND MAINTAINED FOR A MINIMUM OF TWO YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 204]

### Emissions and Requirements:

- 8) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- CO: 2000 PPMV, RULE 407
  - CO: 400 PPMV, RULE 1146.1
  - CO: 100 PPMV RULE 1303(a)(1)
  - NOX: 30 PPMV, RULE 1146.1
  - NOX 12 PPMV, RULE 1303(a)(1)
  - PM: 0.1 GRAIN/SCF RULE 409



## FACILITY PERMIT TO OPERATE LA CO. SANITATION DIST

### PERMIT TO OPERATE

Permit No. R-F63597  
A/N 419237

#### Equipment Description:

BOILER, PARKER BOILER CO., MODEL NO. T2600LK, SERIAL NO. 54275, WITH ONE 2.6 MILLION BTU PER HOUR PARKER BOILER PREMIX METAL FIBER LOW NOX BURNER, MODEL NO. PB 22.5 LN, NATURAL GAS FIRED.

#### Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THE PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS BOILER SHALL BE FIRED ON NATURAL GAS ONLY.  
[RULE 1303][RULE 1401]
- 4) A FLOW INDICATOR IN THE NATURAL GAS SUPPLY LINE TO THE BOILER SHALL BE INSTALLED AND OPERATED WHENEVER THE BOILER IS IN OPERATION.  
[RULE 1303(b)(2)]
- 5) THIS BOILER SHALL EMIT NO MORE THAN 12 PPM FOR OXIDES OF NITROGEN (NOX), CALCULATED AS NO<sub>2</sub>, AND 100 PPM OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% OXYGEN.  
[RULE 1303(a)(1)]
- 6) THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT SOURCE TESTS UNDER THE FOLLOWING CONDITIONS:
  - A. SOURCE TESTING SHALL BE CONDUCTED ON ONE OF THE TWO PARKER BOILERS ISSUED UNDER A/NS 419236 AND 419237.
  - B. SOURCE TESTING SHALL BE CONDUCTED WITHIN 180 DAYS AFTER INITIAL START-UP OR WITHIN 90 DAYS AFTER RECEIPT OF THIS PERMIT, UNLESS OTHERWISE APPROVED IN WRITING BY THE EXECUTIVE OFFICER.
  - C. THE SOURCE TESTS SHALL BE PERFORMED TO VERIFY COMPLIANCE WITH NOX AND CO EMISSION LIMITS SPECIFIED IN CONDITION NO.5.
  - D. THE SOURCE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH SCAQMD METHOD 100.1.
  - E. THE TESTS SHALL BE CONDUCTED WHILE THE BOILER IS OPERATING AT MAXIMUM, MINIMUM AND AVERAGE FIRING RATES. THE SAMPLING TIMES SHALL BE AT LEAST 15 CONSECUTIVE MINUTES FOR MAXIMUM AND



## FACILITY PERMIT TO OPERATE LA CO. SANITATION DIST

MINIMUM LOADS AND AT LEAST ONE HOUR FOR NORMAL OPERATING LOAD.

- F. WRITTEN NOTICE OF THE SOURCE TESTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, ATTN: TOXICS AND WASTE MANAGEMENT TEAM, 21865 COPLEY DRIVE DIAMOND BAR, CA 91765) AT LEAST 14 DAYS PRIOR TO TESTING SO THAT AN OBSERVER MAY BE PRESENT.
- G. TWO COMPLETE COPIES OF SOURCE TEST REPORTS SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, ATTN: TOXICS AND WASTE MANAGEMENT TEAM, 21865 COPLEY DRIVE, DIAMOND BAR, CA 91765), REFERENCING THE A/N, WITHIN 45 DAYS AFTER THE TEST. THE REPORT SHALL INCLUDE, BUT NOT LIMITED TO EMISSIONS RATES IN POUNDS PER HOUR AND CONCENTRATIONS IN PPMV AT THE OUTLET OF THE BOILER, MEASURED ON A DRY BASIS AT 3% OXYGEN. THE FOLLOWING OPERATING DATA SHALL ALSO BE INCLUDED FOR EACH FIRING RATE:
- I. THE FIRING RATES IN BTU PER HOUR.
  - II. THE EXHAUST TEMPERATURE, IN DEGREES F.
  - III. AIR/FUEL RATIO AT EACH LOAD.
  - IV. THE OXYGEN CONTENT OF THE EXHAUST GASES, IN PERCENT.
  - V. THE FUEL FLOW RATE.
- H. A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANT TO BE MEASURED, AND IN COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TEST.
- I. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217.  
[RULE 1303(a)(1)]
- 7) ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT AND MAINTAINED FOR A MINIMUM OF TWO YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 204]

### Emissions and Requirements:

- 8) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- CO: 2000 PPMV, RULE 407
  - CO: 400 PPMV, RULE 1146.1
  - CO: 100 PPMV RULE 1303(a)(1)
  - NOX: 30 PPMV, RULE 1146.1
  - NOX 12 PPMV, RULE 1303(a)(1)
  - PM: 0.1 GRAIN/SCF RULE 409



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. F73366  
A/N 435827**

**Equipment Description:**

AIR POLLUTION CONTROL SYSTEM NO. SP1 CONSISTING OF:

1. ADSORBER, 12'-0" DIA. X 16'-6" H., WITH A SINGLE CARBON BED.
2. EXHAUST SYSTEM WITH A 20 HP BLOWER VENTING NINE (9) ROTARY SCREENS AND TWO (2) DIGESTED SLUDGE FEED TROUGHS.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THE PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) A DIFFERENTIAL PRESSURE INDICATOR SHALL BE MAINTAINED TO INDICATE, IN INCHES WATER COLUMN, THE PRESSURE DROP ACROSS THE CARBON ADSORBER.  
[RULE 204]
- 4) THE OUTLET GAS CONCENTRATION OF H<sub>2</sub>S FROM THE CARBON ADSORBER SHALL NOT EXCEED 0.5 PPMV.  
[RULE 402][RULE 1401]
- 5) SPENT CARBON REMOVED FROM THE ADSORBER SHALL BE PROPERLY DISPOSED OF IN APPROVED SITES OR RETURNED TO THE SUPPLIER FOR REGENERATION.  
[RULE 402]
- 6) STATIC PRESSURE TAPS/MEASUREMENT PORTS SHALL BE MAINTAINED IMMEDIATELY UPSTREAM AND DOWNSTREAM OF THE EXHAUST BLOWER(S).  
[RULE 204]
- 7) THE FINAL EXHAUST GAS CONCENTRATION OF H<sub>2</sub>S FROM THIS EQUIPMENT SHALL BE CHECKED AND RECORDED AT LEAST ONCE PER WEEK. SUCH RECORDS SHALL BE KEPT FOR A PERIOD OF AT LEAST TWO (2) YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 204]



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**Permit No. F73367  
A/N 435828**

**Equipment Description:**

AIR POLLUTION CONTROL SYSTEM NO. SP3 CONSISTING OF:

1. ADSORBER, 12'-0" DIA. X 16'-6" H., WITH A SINGLE CARBON BED.
2. EXHAUST SYSTEM WITH A 10 HP BLOWER VENTING CENTRIFUGES 12-28.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THE PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) A DIFFERENTIAL PRESSURE INDICATOR SHALL BE MAINTAINED TO INDICATE, IN INCHES WATER COLUMN, THE PRESSURE DROP ACROSS THE CARBON ADSORBER.  
[RULE 204]
- 4) THE OUTLET GAS CONCENTRATION OF H<sub>2</sub>S FROM THE CARBON ADSORBER SHALL NOT EXCEED 0.5 PPMV.  
[RULE 402][RULE 1401]
- 5) SPENT CARBON REMOVED FROM THE ADSORBER SHALL BE PROPERLY DISPOSED OF IN APPROVED SITES OR RETURNED TO THE SUPPLIER FOR REGENERATION.  
[RULE 402]
- 6) STATIC PRESSURE TAPS/MEASUREMENT PORTS SHALL BE MAINTAINED IMMEDIATELY UPSTREAM AND DOWNSTREAM OF THE EXHAUST BLOWER(S).  
[RULE 204]
- 7) THE FINAL EXHAUST GAS CONCENTRATION OF H<sub>2</sub>S FROM THIS EQUIPMENT SHALL BE CHECKED AND RECORDED AT LEAST ONCE PER WEEK SUCH RECORDS SHALL BE KEPT FOR A PERIOD OF AT LEAST TWO (2) YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 204]



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**Permit No. F73368  
A/N 435829**

**Equipment Description:**

AIR POLLUTION CONTROL SYSTEM NO. SP2 CONSISTING OF:

1. ADSORBER, 10'-0" DIA. X 16'-6" H. WITH ONE 10'-0" DIA. X 3'-0" H. CARBON BED.
2. EXHAUST SYSTEM WITH A 25 HP BLOWER VENTING CENTRIFUGES 1-11.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THE PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) A DIFFERENTIAL PRESSURE INDICATOR SHALL BE MAINTAINED TO INDICATE, IN INCHES WATER COLUMN, THE PRESSURE DROP ACROSS THE CARBON ADSORBER.  
[RULE 204]
- 4) THE OUTLET GAS CONCENTRATION OF H<sub>2</sub>S FROM THE CARBON ADSORBER SHALL NOT EXCEED 0.5 PPMV.  
[RULE 402][RULE 1401]
- 5) SPENT CARBON REMOVED FROM THE ADSORBER SHALL BE PROPERLY DISPOSED OF IN APPROVED SITES OR RETURNED TO THE SUPPLIER FOR REGENERATION.  
[RULE 402]
- 6) STATIC PRESSURE TAPS/MEASUREMENT PORTS SHALL BE MAINTAINED IMMEDIATELY UPSTREAM AND DOWNSTREAM OF THE EXHAUST BLOWERS(S).  
[RULE 204]
- 7) THE FINAL EXHAUST GAS CONCENTRATION OF H<sub>2</sub>S FROM THIS EQUIPMENT SHALL BE CHECKED AND RECORDED AT LEAST ONCE PER WEEK. SUCH RECORD SHALL BE KEPT FOR A PERIOD OF AT LEAST TWO (2) YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 204]



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**PERMIT TO OPERATE**

**Permit No. F73369  
A/N 435831**

**Equipment Description:**

AIR POLLUTION CONTROL SYSTEM NO. S4 CONSISTING OF:

1. ADSORBER WITH A SINGLE CARBON BED, 3'-0" DEPTH MINIMUM.
2. MIST ELIMINATOR.
3. EXHAUST SYSTEM WITH ONE BLOWER VENTING SIX DISSOLVED AIR FLOTATION TANKS.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THE PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THE OUTLET GAS CONCENTRATION OF H<sub>2</sub>S FROM THE ADSORBER SHALL NOT EXCEED 1.0 PPM.  
[RULE 402]
- 4) THE FINAL EXHAUST GAS CONCENTRATION OF H<sub>2</sub>S SHALL BE CHECKED AND RECORDED AT LEAST ONCE PER WEEK. SUCH RECORDS SHALL BE KEPT FOR A PERIOD OF AT LEAST FIVE (5) YEARS AND BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 204]
- 5) WITHIN SIXTY (60) DAYS OF START-UP, BUT NO LATER THAN ONE HUNDRED EIGHTY (180) DAYS AFTER INITIAL START-UP UNLESS OTHERWISE APPROVED IN WRITING BY THE AQMD, PERFORMANCE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH AQMD TEST PROCEDURES AND WRITTEN TEST RESULTS SHALL BE FURNISHED TO THE AQMD WITHIN SIXTY (60) DAYS AFTER THE TESTS ARE CONDUCTED. WRITTEN NOTICE OF SUCH PERFORMANCE TESTS SHALL BE PROVIDED TO THE AQMD SEVEN (7) DAYS PRIOR TO THE PERFORMANCE TEST SO THAT AN OBSERVER MAY BE PRESENT. ALL SOURCE TESTING AND ANALYTICAL METHODS SHALL BE SUBMITTED TO THE AQMD FOR APPROVAL AT LEAST SIXTY (60) DAYS PRIOR TO THE START OF THE TESTS,

THE PERFORMANCE TESTS SHALL INCLUDE, BUT MAY NOT BE LIMITED TO A TEST OF THE INLET AND OUTLET OF THE CONTROL SYSTEM FOR:

- A. HYDROGEN SULFIDE.



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- B. QUALITATIVE IDENTIFICATION OF CHEMICAL COMPOUNDS USING A GAS CHROMATOGRAPH/MASS SPECTROMETRY METHOD (GC/MS). QUANTITATIVELY ANALYZE EACH COMPOUND IDENTIFIED BY GC/MS FOR ITS VOLUME CONCENTRATION.  
[RULE 1401]
- 6) SPENT CARBON REMOVED FROM THE ADSORBER SHALL BE PROPERLY DISPOSED OF IN APPROVED SITES OR RETURNED TO A CONTRACT VENDOR FOR REGENERATION.  
[RULE 402]
- 7) THIS EQUIPMENT SHALL BE IN OPERATION WHEN THE EQUIPMENT IT VENTS IS IN OPERATION, EXCEPT FOR PERIODS OF SHUTDOWN DUE TO MAINTENANCE, WHICH SHALL NOT EXCEED 48 HOURS.  
[RULE 402]



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**PERMIT TO OPERATE**

**Permit No. F74941  
A/N 435833**

**Equipment Description:**

NORTH DIGESTER GAS STANDBY FLARING STATION CONSISTING OF:

- A. SEVEN (7) FLAME ARRESTERS, GROTH OR EQUIVALENT.
- B. SEVEN (7) SHUT-OFF VALVES.
- C. SEVEN (7) WASTE GAS FLARES (NOS. 1-7) 7'-6" DIA. X 16'-0" H, 600 SCFM CAPACITY EACH.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THE PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS EQUIPMENT SHALL BE OPERATED AND MAINTAINED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.  
[RULE 204]
- 4) THESE FLARES SHALL ONLY OPERATE WHENEVER ANY ONE OR ANY COMBINATION OF DIGESTER GAS FIRED TURBINES, BOILERS, AND/OR IC ENGINES ARE NOT OPERATING.  
[RULE 1303(b)(2)][ RULE 1401]
- 5) A SAMPLING PORT, OR OTHER METHOD APPROVED BY THE AQMD, SHALL BE INSTALLED IN THE INLET GAS LINE TO EACH FLARE TO ALLOW DIGESTER GAS SAMPLING AND FLOW MEASUREMENT.  
[RULE 204]
- 6) THE FLARE SHALL BE EQUIPPED WITH A TEMPERATURE INDICATOR AND RECORDER TO MEASURE AND RECORD THE GAS TEMPERATURE (IN DEGREES F) IN THE FLARE STACK. THE TEMPERATURE INDICATOR AND RECORDER SHALL OPERATE WHENEVER THE FLARE IS IN OPERATION.  
[RULE 1303(a)(1)]
- 7) THE THERMOCOUPLE USED TO MEASURE THE FLARE TEMPERATURE SHALL BE ABOVE THE FLAME ZONE AND AT LEAST THREE FEET BELOW THE TOP OF THE FLARE SHROUD AND AT LEAST 0.6 SECONDS DOWNSTREAM OF THE BURNERS.  
[RULE 1303(a)(1)]



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- 8) WHENEVER THE FLARES ARE IN OPERATION, A TEMPERATURE OF NOT LESS THAN 1400 DEGREES FAHRENHEIT AVERAGED OVER 15 CONSECUTIVE MINUTES AS MEASURED BY THE TEMPERATURE INDICATOR SHALL BE MAINTAINED IN EACH FLARE STACK, EXCEPT DURING STARTUPS AND SHUTDOWN PERIODS NOT TO EXCEED 30 MINUTES EACH.  
[RULE 1303(a)(1)]
- 9) EACH FLARE SHALL BE EQUIPPED WITH A DIGESTER GAS SUPPLY SHUT-OFF VALVE APPROVED BY THE EXECUTIVE OFFICER, IN ORDER TO ISOLATE THE FLARE FROM THE DIGESTER GAS SUPPLY LINE.  
[RULE 1303(a)(1)]
- 10) THE SHUT-OFF SYSTEM SPECIFIED IN CONDITION NO. 9 SHALL BE TESTED MONTHLY FOR PROPER OPERATION AND THE RESULTS RECORDED.  
[RULE 204]
- 11) DIGESTER GAS FLOW RATE TO THE FLARING STATION SHALL BE MONITORED BY A FLOW INDICATOR AND RECORDER, WHICH SHALL OPERATE WHENEVER THE FLARE IS IN OPERATION.  
[RULE 1303(b)(2)]
- 12) ALL RECORDING DEVICES SHALL BE SYNCHRONIZED WITH RESPECT TO THE TIME OF DAY.  
[RULE 204]
- 13) THE SKIN TEMPERATURE OF THE FLARE SHROUD WITHIN FOUR FEET OF ALL THE SOURCE TEST PORTS SHALL NOT EXCEED 250 DEGREES FAHRENHEIT. IF A HEAT SHIELD IS REQUIRED TO MEET THIS REQUIREMENT, ITS DESIGN SHALL BE APPROVED BY THE AQMD PRIOR TO ITS CONSTRUCTION. THE HEAT SHIELD, IF REQUIRED TO MEET THE TEMPERATURE REQUIREMENT, SHALL BE IN PLACE WHENEVER A SOURCE TEST IS CONDUCTED BY THE AQMD.  
[RULE 204][RULE 1303(a)(1)]
- 14) ALL RECORDS SHALL BE KEPT FOR A PERIOD OF AT LEAST FIVE (5) YEARS IN A FORM APPROVED BY THE AQMD AND SHALL BE MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.  
[RULE 204]
- 15) EMISSIONS RESULTING FROM EACH FLARE SHALL NOT EXCEED THE FOLLOWING:
- | POLLUTANT     | LBS/HR |
|---------------|--------|
| CO            | 0.65   |
| NOX, (AS NO2) | 2.33   |
| PM            | 1.15   |
| ROG, (AS CH4) | 0.35   |
| SOX, AS SO2   | 0.24   |
- [RULE 1303(b)(2)]
- 16) ANY BREAKDOWN OR MALFUNCTION OF THE DIGESTER GAS FLARE SYSTEM RESULTING IN THE EMISSION OF RAW DIGESTER GAS SHALL BE REPORTED TO THE AQMD IN ACCORDANCE



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TO AQMD RULE 430. UPON DISCOVERY OF SUCH EMISSIONS, IMMEDIATE REMEDIAL MEASURES SHALL BE UNDERTAKEN TO CORRECT THE PROBLEM AND PREVENT FURTHER EMISSIONS INTO THE ATMOSPHERE.

[RULE 430]

- 17) FOUR (4) SAMPLING PORTS SHALL BE MAINTAINED IN EACH FLARE STACK AT LEAST TWO FEET ABOVE THE FLARE ZONE AND AT LEAST THREE FEET BELOW THE TOP OF FLARE SHROUD. SAMPLING PORTS SHALL BE AT 90 DEGREES APART AND SHALL CONSIST OF 4-INCH COUPLING AND PLUGS. ADEQUATE AND SAFE ACCESS TO ALL SOURCE TEST PORTS SHALL BE PROVIDED.

[RULE 204]

### Emissions and Requirements:

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

NOX: 0.10 LBS NOX PER MILLION BTU, EACH FLARE, RULE 1303

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

PM: 0.1 gr/scf, RULE 409



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**PERMIT TO OPERATE**

**Permit No. F74942  
A/N 435834**

**Equipment Description:**

SOUTH DIGESTER GAS STANDBY FLARING STATION CONSISTING OF:

- A. FIVE (5) FLAME ARRESTERS, GROTH OR EQUIVALENT.
- B. FIVE (5) SHUT-OFF VALVES.
- C. FIVE (5) WASTE GAS FLARES (NOS. 1-5) 7'-6" DIA. X 16'-0" H, 600 SCFM CAPACITY EACH.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THE PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS EQUIPMENT SHALL BE OPERATED AND MAINTAINED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.  
[RULE 204]
- 4) THESE FLARES SHALL ONLY OPERATE WHENEVER ANY ONE OR ANY COMBINATION OF DIGESTER GAS FIRED TURBINES, BOILERS, AND/OR IC ENGINES ARE NOT OPERATING.  
[RULE 1303(b)(2)][ RULE 1401]
- 5) A SAMPLING PORT, OR OTHER METHOD APPROVED BY THE AQMD, SHALL BE INSTALLED IN THE INLET GAS LINE TO EACH FLARE TO ALLOW DIGESTER GAS SAMPLING AND FLOW MEASUREMENT.  
[RULE 204]
- 6) THE FLARE SHALL BE EQUIPPED WITH A TEMPERATURE INDICATOR AND RECORDER TO MEASURE AND RECORD THE GAS TEMPERATURE (IN DEGREES F) IN THE FLARE STACK. THE TEMPERATURE INDICATOR AND RECORDER SHALL OPERATE WHENEVER THE FLARE IS IN OPERATION.  
[RULE 1303(a)(1)]
- 7) THE THERMOCOUPLE USED TO MEASURE THE FLARE TEMPERATURE SHALL BE ABOVE THE FLAME ZONE AND AT LEAST THREE FEET BELOW THE TOP OF THE FLARE SHROUD AND AT LEAST 0.6 SECONDS DOWNSTREAM OF THE BURNERS.  
[RULE 1303(a)(1)]
- 8) WHENEVER THE FLARES ARE IN OPERATION, A TEMPERATURE OF NOT LESS THAN 1400 DEGREES FAHRENHEIT AVERAGED OVER 15 CONSECUTIVE MINUTES AS MEASURED BY THE



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TEMPERATURE INDICATOR SHALL BE MAINTAINED IN EACH FLARE STACK, EXCEPT DURING STARTUPS AND SHUTDOWN PERIODS NOT TO EXCEED 30 MINUTES EACH.  
[RULE 1303(a)(1)]

- 9) EACH FLARE SHALL BE EQUIPPED WITH A DIGESTER GAS SUPPLY SHUT-OFF VALVE APPROVED BY THE EXECUTIVE OFFICER, IN ORDER TO ISOLATE THE FLARE FROM THE DIGESTER GAS SUPPLY LINE.  
[RULE 1303(a)(1)]
- 10) THE SHUT-OFF SYSTEM SPECIFIED IN CONDITION NO. 9 SHALL BE TESTED MONTHLY FOR PROPER OPERATION AND THE RESULTS RECORDED.  
[RULE 204]
- 11) DIGESTER GAS FLOW RATE TO THE FLARING STATION SHALL BE MONITORED BY A FLOW INDICATOR AND RECORDER, WHICH SHALL OPERATE WHENEVER THE FLARE IS IN OPERATION.  
[RULE 1303(b)(2)]
- 12) ALL RECORDING DEVICES SHALL BE SYNCHRONIZED WITH RESPECT TO THE TIME OF DAY.  
[RULE 204]
- 13) THE SKIN TEMPERATURE OF THE FLARE SHROUD WITHIN FOUR FEET OF ALL THE SOURCE TEST PORTS SHALL NOT EXCEED 250 DEGREES FAHRENHEIT. IF A HEAT SHIELD IS REQUIRED TO MEET THIS REQUIREMENT, ITS DESIGN SHALL BE APPROVED BY THE AQMD PRIOR TO ITS CONSTRUCTION. THE HEAT SHIELD, IF REQUIRED TO MEET THE TEMPERATURE REQUIREMENT, SHALL BE IN PLACE WHENEVER A SOURCE TEST IS CONDUCTED BY THE AQMD.  
[RULE 204][RULE 1303(a)(1)]
- 14) ALL RECORDS SHALL BE KEPT FOR A PERIOD OF AT LEAST FIVE (5) YEARS IN A FORM APPROVED BY THE AQMD AND SHALL BE MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.  
[RULE 204]
- 15) EMISSIONS RESULTING FROM EACH FLARE SHALL NOT EXCEED THE FOLLOWING:

POLLUTANT	LBS/HR
CO	0.65
NOX, (AS N02)	2.33
PM	1.15
ROG, (AS CH4)	0.35
SOX, AS S02	0.24

[RULE 1303(B)(2)]



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- 16) ANY BREAKDOWN OR MALFUNCTION OF THE DIGESTER GAS FLARE SYSTEM RESULTING IN THE EMISSION OF RAW DIGESTER GAS SHALL BE REPORTED TO THE AQMD IN ACCORDANCE TO AQMD RULE 430. UPON DISCOVERY OF SUCH EMISSIONS, IMMEDIATE REMEDIAL MEASURES SHALL BE UNDERTAKEN TO CORRECT THE PROBLEM AND PREVENT FURTHER EMISSIONS INTO THE ATMOSPHERE.  
[RULE 430]
- 17) FOUR (4) SAMPLING PORTS SHALL BE MAINTAINED IN EACH FLARE STACK AT LEAST TWO FEET ABOVE THE FLARE ZONE AND AT LEAST THREE FEET BELOW THE TOP OF FLARE SHROUD. SAMPLING PORTS SHALL BE AT 90 DEGREES APART AND SHALL CONSIST OF 4-INCH COUPLING AND PLUGS. ADEQUATE AND SAFE ACCESS TO ALL SOURCE TEST PORTS SHALL BE PROVIDED.  
[RULE 204]

### **Emissions and Requirements:**

- 18) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- NOX: 0.10 LBS NOX PER MILLION BTU, EACH FLARE, RULE 1303  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
PM: 0.1 gr/scf, RULE 409



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**PERMIT TO OPERATE**

**Permit No. F73377  
A/N 435835**

**Equipment Description:**

SLUDGE THICKENING AND DIGESTION SYSTEM CONSISTING OF:

1. DISSOLVED AIR FLOTATION THICKENING SUB-SYSTEM WITH SIX (6) DISSOLVED AIR FLOTATION TANKS, AND ASSOCIATED PUMPS AND COMPRESSORS.
2. DIGESTION SUB-SYSTEM WITH:
  - A. TWENTY-FOUR (24) RECTANGULAR DIGESTERS, STEAM HEATED, WITH ASSOCIATED PUMPS.
  - B. TWENTY-FOUR (24) CIRCULAR DIGESTERS, STEAM HEATED, WITH ASSOCIATED PUMPS
3. DIGESTER CLEANING SUB-SYSTEM WITH:
  - A. EIGHT (8) SOLIDS DEWATERING SCREENS.
  - B. SIX (6) CENTRIFUGAL SEPARATORS.
  - C. THREE (3) VIBRATING SCREENS.
  - D. TWO (2) VORTEX CLASSIFIERS / CLARIFIERS / CONVEYORS.
  - E. TWO (2) HIGH SOLIDS PRESSES.
  - F. ASSOCIATED PUMPS.
4. FERROUS CHLORIDE INJECTION SUB-SYSTEM WITH ELEVEN (11) FECL<sub>2</sub> STORAGE TANKS.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THE 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) ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT FOR FIVE YEARS AND BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 204]
- 4) THE DISSOLVED AIR FLOTATION THICKENING TANKS SHALL ONLY BE OPERATED WHEN VENTED TO AN AIR POLLUTION CONTROL SYSTEM WHICH IS IN FULL USE (EXCEPT DURING



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ROUTINE MAINTENANCE WORK) AND WHICH HAS BEEN ISSUED A PERMIT TO CONSTRUCT OR OPERATE.

[RULE 402][RULE 1303(a)(1)]

- 5) ALL DIGESTER GAS PRODUCED AT THIS FACILITY SHALL BE INCINERATED ONLY IN COMBUSTION/INCINERATION EQUIPMENT OR OTHER EQUIPMENT APPROVED BY THE AQMD FOR DIGESTER GAS CONTROL THAT HAVE BEEN ISSUED PERMITS TO CONSTRUCT OR OPERATE.  
[RULE 1303(a)(1)]
  
- 6) A 1/4 INCH DIAMETER SAMPLING VALVE WITH ADEQUATE AND SAFE ACCESS SHALL BE INSTALLED AND MAINTAINED ON THE DIGESTER GAS COLLECTION PIPING FROM EACH DIGESTER TANK AND AT THE COMBINED DIGESTER GAS SUPPLY LINE LEADING TO EACH COMBUSTION/INCINERATION STATION (INCLUDING BOILER HOUSE NO. 3, SIPS, PEPS, TEF, SOUTH FLARING STATION AND NORTH FLARING STATION).  
[RULE 204]



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**Permit No. F73378  
A/N 435836**

**Equipment Description:**

SLUDGE DEWATERING, STORAGE AND DISPOSAL SYSTEM CONSISTING OF

1. DIGESTED SLUDGE PUMP STATION NO. 1 WITH THREE (3) STORAGE WET WELLS, SIX (6) MIXING COMPRESSORS AND ASSOCIATED PUMPS.
2. DIGESTED SLUDGE PUMP STATION NO. 2 WITH ONE (1) WET WELL AND ASSOCIATED PUMPS.
3. DIGESTED WAS PUMP STATION WITH ONE (1) WET WELL AND ASSOCIATED PUMPS.
4. SOLIDS DEWATERING SUB-SYSTEM WITH:
  - A. NINE (9) ROTARY SCREENS.
  - B. THIRTY-SIX (36) SCROLL TYPE CENTRIFUGES.
  - C. FOUR (4) HIGH SOLIDS TYPE CENTRIFUGES.
  - D. ASSOCIATED PUMPS.
5. SCROLL CENTRIFUGE POLYMER SUB-SYSTEM WITH:
  - A. THREE (3) LIQUID POLYMER STORAGE TANKS.
  - B. THREE (3) LIQUID POLYMER MIXING TANKS.
  - C. EIGHT (8) POLYMER USE TANKS.
  - D. ASSOCIATED PUMPS.
6. DEWATERING SLUDGE STORAGE AND LOADING SUB-SYSTEM WITH:
  - A. EIGHTEEN (18) DEWATERED SLUDGE STORAGE SILOS.
  - B. TWO (2) TRUCK LOADING STATIONS, EACH WITH TWO (2) SLUDGE HOPPERS AND TWO (2) WEIGH BINS.
  - C. ONE (1) TRUCK LOADING STATION WITH TWO (2) SLUDGE HOPPERS AND ONE (1) PITLESS TRUCK SCALE.
7. CENTRATE TREATMENT WITH FOUR (4) DISSOLVED AIR FLOATATION TANKS AND ASSOCIATED PUMPS.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THE PERMIT IS



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ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]

- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT FOR FIVE YEARS AND BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 204]
- 4) THE CENTRIFUGES AND ROTARY SCREENS SHALL NOT BE OPERATED UNLESS VENTED TO AIR POLLUTION CONTROL SYSTEMS WHICH ARE IN FULL USE (EXCEPT DURING ROUTINE MAINTENANCE WORK, WHICH IS NOT TO EXCEED 48 HOURS PER OCCURRENCE NOR 100 HOURS PER YEAR) AND WHICH HAVE BEEN ISSUED VALID PERMITS TO CONSTRUCT OR OPERATE.  
[RULE 402][RULE 1303(a)(1)]
- 5) RECORDS OF THE DAILY SLUDGE PROCESSED (IN POUNDS) BY THE CENTRIFUGES, AND THE DAILY QUANTITY (IN POUNDS) OF SLUDGE LOADED IN TO TRUCKS SHALL BE KEPT AND MAINTAINED ON FILE FOR FIVE YEARS, AND BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
RULE 204][RULE 1303(b)(2)]



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**Permit No. F73379  
A/N 435837**

**Equipment Description:**

PORTABLE ABRASIVE-BLASTING SYSTEM CONSISTING OF.

1. ABRASIVE BLASTING POT, KELCO, MODEL 114V 150 POUNDS CAPACITY.
2. INTERNAL COMBUSTION ENGINE, DIESEL FUELED, 115 HP, DRIVING A COMPRESSOR WITH A MAXIMUM DELIVERY RATE OF 85 CFM AT 80 PSIG.
3. ONE ABRASIVE BLASTING NOZZLE WITH A MAXIMUM INSIDE DIAMETER OF 1/4 INCH.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THE 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]

**Emissions and Requirements:**

- 3) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
PM: RULE 1140, SEE APPENDIX B FOR EMISSIONS LIMITS



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LA CO. SANITATION DIST**

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**PERMIT TO OPERATE**

**Permit No. F73380  
A/N 435838**

**Equipment Description:**

PRESSURE WASHER, PORTABLE, HYDROTECH, MODEL SC3005D, SERIAL NO. 200101696, 560,000 BTU/HR, WITH A DIESEL FUELED INTERNAL COMBUSTION ENGINE.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THE PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THE OPERATING TIME OF THIS PRESSURE WASHER SHALL NOT EXCEED 30 HOURS IN ANY 30 DAY PERIOD.  
[RULE 1303(b)(2)]
- 4) A NON-RESETTABLE TIMER SHALL BE MAINTAINED TO INDICATE THE PRESSURE WASHER ELAPSED OPERATING TIME.  
[RULE 204][RULE 1303(b)(2)]
- 5) AN OPERATING LOG LISTING THE DATE OF OPERATION AND THE ELAPSED OPERATING TIME, IN HOURS SHALL BE KEPT WITH THIS EQUIPMENT AND MAINTAINED ON FILE FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 204]



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**PERMIT TO OPERATE**

**Permit No. N16971  
A/N 442532**

**Equipment Description:**

FUEL STORAGE AND DISPENSING FACILITY CONSISTING OF:

- 1) 2-GASOLINE UNDERGROUND STORAGE TANKS, 4,000-GALLON CAPACITY EACH, EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM OPW (VR-102-E), 2 METHANOL COMPATIBLE.
- 2) 4- GASOLINE NOZZLES DISPENSING 4 PRODUCTS, EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, BALANCE RETRACTOR (G-70-52-AM).

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THE 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) ALL PERMIT CONDITIONS APPLICABLE TO THE EQUIPMENT DESCRIBED IN THE PREVIOUS PERMIT TO OPERATE M98867 SHALL REMAIN IN EFFECT UNTIL THE NEW OR MODIFIED EQUIPMENT IS CONSTRUCTED AND OPERATED AS DESCRIBED IN THIS NEW PERMIT. THIS PERMIT TO CONSTRUCT/OPERATE SHALL BECOME INVALID IF THE MODIFICATION AS DESCRIBED IN THE EQUIPMENT DESCRIPTION HAS NOT BEEN COMPLETED WITHIN ONE YEAR FROM THE ISSUE DATE.  
[RULE 204][RULE 205]
- 4) EXCEPT FOR DIESEL TRANSFERS, PHASE I VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO STORAGE TANKS.  
[RULE 461]
- 5) EXCEPT FOR DIESEL TRANSFERS, PHASE II VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO MOTOR VEHICLES, AS DEFINED IN RULE 461.  
[RULE 461]
- 6) ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT AT THIS FACILITY SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CALIFORNIA AIR RESOURCES BOARD CERTIFICATION REQUIREMENTS.  
[RULE 461]
- 7) AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO BACK-FILLING ANY UNDERGROUND STORAGE TANK OR PIPING, THE SCAQMD SHALL BE NOTIFIED BY E-MAIL AT



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R461BACKFILL@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR, THE NAME OF THE CONTRACTORS, THE LOCATION OF THE FACILITY, AND THE SCHEDULED START AND COMPLETION DATES OF THE BACK-FILLING PROCEDURE. THE BACK-FILLING PROCEDURE SHALL NOT COMMENCE UNTIL INSPECTED BY A DISTRICT REPRESENTATIVE.

[RULE 461]

- 8) DEPENDING ON THE SYSTEM CONFIGURATION, A PRESSURE INTEGRITY TEST OF THE DROP TUBE/DRAIN VALVE ASSEMBLY SHALL BE CONDUCTED TO QUANTIFY THE PRESSURE INTEGRITY OF BOTH THE DROP TUBE AND DRAIN VALVE SEAL OR A PRESSURE INTEGRITY TEST OF THE DROP TUBE OVERFILL PREVENTION DEVICE AND SPILL CONTAINER DRAIN VALVE SHALL BE CONDUCTED TO QUANTIFY THE PRESSURE INTEGRITY OF THE DROP TUBE OVERFILL PREVENTION DEVICE AND THE PRESSURE INTEGRITY OF THE SPILL CONTAINER DRAIN VALVE. EITHER TEST SHALL BE CONDUCTED AS A REVERIFICATION TEST AND THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH TEST PROCEDURE METHOD TP-201.1C OR TP-201.1D, RESPECTIVELY. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

THE AQMD SHALL BE NOTIFIED BY E-MAIL ATR461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR, THE NAME OF THE CONTRACTOR, THE LOCATION OF THE FACILITY, AND THE SCHEDULED START AND COMPLETION DATES OF EITHER THE PRESSURE INTEGRITY TEST OF DROP TUBE/DRAIN VALVE ASSEMBLY OR PRESSURE INTEGRITY TEST OF THE DROP TUBE OVERFILL PREVENTION DEVICE AND SPILL CONTAINER DRAIN VALVE.

[RULE 461]

- 9) A LEAK RATE AND CRACKING PRESSURE TEST OF PRESSURE/VACUUM RELIEF VENT VALVES SHALL BE CONDUCTED WITHIN THIRTY DAYS (30) AFTER THE START OF OPERATION OF THE OPW PHASE I EVR EQUIPMENT AND AT LEAST ONCE EVERY THREE (3) YEARS THEREAFTER TO DETERMINE THE PRESSURE AND VACUUM AT WHICH THE PRESSURE/VACUUM VENT VALVE ACTUATES, AND TO DETERMINE THE VOLUMETRIC LEAK RATE AT A GIVEN PRESSURE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEST PROCEDURE METHOD TP-201.IE. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST. THIS TEST RESULT SHALL BE KEPT ON SITE FOR THREE (3) YEARS AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR, THE NAME OF THE CONTRACTOR, THE LOCATION OF THE FACILITY, AND THE SCHEDULED START AND COMPLETION DATES OF THE LEAK RATE AND CRACKING PRESSURE TEST OF PRESSURE/VACUUM RELIEF VENT VALVES.

[RULE 461]

- 10) A STATIC TORQUE TEST OF ROTATABLE PHASE I ADAPTORS SHALL BE CONDUCTED AS A REVERIFICATION TEST TO QUANTIFY THE AMOUNT OF STATIC TORQUE REQUIRED TO START THE ROTATION OF THE ROTATABLE PHASE I ADAPTORS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEST PROCEDURE METHOD OUTLINED IN TP-201.1B. RESULTS SHALL



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BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR, THE NAME OF THE CONTRACTOR, THE LOCATION OF THE FACILITY, AND THE SCHEDULED START AND COMPLETION DATES OF THE STATIC TORQUE TEST OF ROTATABLE PHASE I ADAPTORS.  
[RULE 461]

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

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

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

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

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

THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR, THE NAME OF THE CONTRACTOR, THE LOCATION OF THE FACILITY, AND THE SCHEDULED START AND COMPLETION DATES OF THE STATIC PRESSURE LEAK DECAY TEST.  
[RULE 461]



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- 13) IF THE CARB EXECUTIVE ORDER REQUIRES THE INSTALLATION OF A LIQUID REMOVAL DEVICE, A LIQUID REMOVAL RATE TEST SHALL BE CONDUCTED TO DEMONSTRATE THE REMOVAL OF GASOLINE FROM THE VAPOR PASSAGE OF THE COAXIAL HOSE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.6. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461 TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR, THE NAME OF THE CONTRACTOR, THE LOCATION OF THE FACILITY, AND THE SCHEDULED START AND COMPLETION DATES OF THE LIQUID REMOVAL RATE TEST.

[RULE 461]

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

[RULE 461]

- 15) ALL RECORDS AND TEST RESULTS THAT ARE REQUIRED TO BE MAINTAINED BY RULE 461 SHALL BE KEPT ON SITE FOR FOUR YEARS AND MADE AVAILABLE TO THE DISTRICT REPRESENTATIVES UPON REQUEST.

[RULE 204]

**Periodic Monitoring:**

- 16) THE OPERATOR SHALL HAVE A PERSON THAT HAS BEEN TRAINED IN ACCORDANCE WITH RULE 461(C)(6) CONDUCT A SEMI-ANNUAL INSPECTION OF THE GASOLINE TRANSFER AND DISPENSING EQUIPMENT. THE FIRST INSPECTION SHALL BE IN ACCORDANCE WITH RULE 461, ATTACHMENT C, THE SECOND INSPECTION SHALL BE IN ACCORDANCE WITH RULE 461, ATTACHMENT D, AND THE SUBSEQUENT INSPECTIONS SHALL ALTERNATE PROTOCOLS. THE OPERATOR SHALL KEEP RECORDS OF THE INSPECTION AND THE REPAIRS IN ACCORDANCE TO RULE 461 AND SECTION K OF THIS PERMIT.

[RULE 3004 (a)(4)]

**Emissions And Requirements:**

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

VOC: RULE 461



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**PERMIT TO OPERATE**

**Permit No. F77616  
A/N 448168**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, CUMMINS, 16 CYLINDER, TURBOCHARGED, AFTERCOOLED, MODEL QSK60-G6 (2180KW), 2922 BHP, DIESEL FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THE PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) A NON-RESETTABLE TOTALIZING TIMER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304][RULE 1470][RULE 1110.2]
- 4) AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION FOR A MINIMUM OF THREE YEARS FROM THE DATE OF ENTRY AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION (INCLUDING HOURS FOR MANUAL AND AUTOMATIC OPERATION) SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 204][RULE 1470] [RULE 1110.2]
- 5) THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 1304][RULE 1470] [RULE 1110.2]

**Emissions and Requirements:**

- 6) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 1470



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**PERMIT TO CONSTRUCT/OPERATE**

**Permit No. G2781  
A/N 467057**

**Equipment Description:**

**COGENERATION SYSTEM NO.1 CONSISTING OF:**

1. THREE (3) FUEL GAS COMPRESSORS, 1000 HP EACH, WITH A GAS CHILLER, KNOCKOUT DRUM, AND RE-HEATER, COMMON TO GAS TURBINE 2 AND 3.
2. GAS TURBINE NO.1, SOLAR. MODEL MARS 90-13000, 113 MMBTU/HOUR. DIGESTER GAS AND NATURAL GAS FIRED, WITH WATER INJECTION SYSTEM, DRIVING A 9.9 MEGA WATT ELECTRIC GENERATOR.
3. WASTE HEAT RECOVERY BOILER NO. 1. EXPRESS INTEGRATED TECHNOLOGIES, UNFIRED, WATER-TUBE TYPE, 33,744 POUNDS/HOUR OF 460 PSI STEAM OUTPUT.
4. STEAM TURBINE GENERATOR, SHIN-NIPPON, 8700 KILOWATT, WITH ASSOCIATED PUMPS, FEED WATER HEATERS, AND CONDENSER, COMMON TO COGENERATION SYSTEM NO. 2 AND 3.

**Conditions:**

- 1) CONSTRUCTION AND 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 PERMIT SHALL EXPIRE IF CONSTRUCTION OF THIS EQUIPMENT IS NOT COMPLETED WITHIN ONE YEAR FROM THE DATE OF ISSUANCE OF THIS PERMIT UNLESS AN EXTENSION IS GRANTED BY THE EXECUTIVE OFFICER.  
[RULE 205]
- 4) THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS THE WATER INJECTION SYSTEM IS INSTALLED AND OPERATING, EXCEPT DURING STARTUP AND SHUTDOWN PERIODS.  
[RULE 1303(a)(1)]



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5) THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT ANNUAL PERFORMANCE TESTS IN ACCORDANCE WITH THE SCAQMD APPROVED TEST PROCEDURES AND FURNISH THE SCAQMD WITH THE WRITTEN RESULTS OF SUCH PERFORMANCE TESTS WITHIN 60 DAYS AFTER TESTING. THE TESTS SHALL INCLUDE, BUT MAY NOT BE LIMITED TO:

- A. HEAT INPUT RATE (CALCULATED)
- B. POWER OUTPUT (MEASURED)
- C. EXHAUST FLOW RATE (CALCULATED)
- D. CARBON MONOXIDE (EXHAUST ONLY)
- E. OXIDES OF NITROGEN (EXHAUST ONLY)
- F. OXYGEN (EXHAUST ONLY)

THE REPORT SHALL PRESENT THE EMISSION DATA IN PARTS PER MILLION VOLUME ON DRY BASIS AT 15% OXYGEN, AND IN POUNDS PER HOUR.  
[RULE 1134]

6) THE DIGESTER GAS AND NATURAL GAS FLOW RATES TO THE TURBINE SHALL BE CONTINUOUSLY MONITORED AND RECORDED ON A DAILY BASIS.  
[RULE 1134]

7) THE GASEOUS FUEL SUPPLIED TO THIS TURBINE SHALL CONTAIN, AT MINIMUM, 60% DIGESTER GAS BY VOLUME AVERAGED OVER 24 HOURS PERIOD.  
[RULE 1134]

8) THE TOTAL HEAT INPUT TO THIS TURBINE SHALL NOT EXCEED 113 MMBTU/HOUR.  
[RULE 1303(b)(1)][RULE 1303(b)(2)]

9) THE EMISSIONS OF CRITERIA POLLUTANTS FROM THIS TURBINE SHALL NOT EXCEED THE FOLLOWING:

POLLUTANT	LBS/HOUR
ROG (AS CARBON)	4.5
NOX (AS NO2)	12.0
SOX (AS SO2)	1.3
CO	16.3
PM	5.7

[RULE 1303(b)(1)][RULE 1303(b)(2)]

10) A CONTINUOUS EMISSION MONITORING SYSTEM (CEMS) SHALL BE MAINTAINED TO MEASURE THE EXHAUST FOR NOX AND O2 CONCENTRATIONS. THE CEMS SHALL CONTINUOUSLY CORRECT AND RECORD THE NOX CONCENTRATIONS TO 15% OXYGEN ON DRY BASIS.  
[RULE 1134]

11) THE OPERATOR SHALL KEEP RECORDS OF TO DEMONSTRATE COMPLIANCE WITH REQUIREMENTS OF THE CONDITIONS OF THIS PERMIT AND SUCH RECORDS SHALL BE KEPT FOR AT LEAST FIVE (5) YEARS AND MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.  
[RULE 204]



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### Periodic Monitoring:

- 12) THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE ROG, PM, AND SOX EMISSION LIMITS IN CONDITION 8 BY CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY 3 YEARS USING AQMD-APPROVED TEST METHODS. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER MAXIMUM ATTAINABLE CONDITIONS TO DEMONSTRATE COMPLIANCE. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT. THE TESTS CONDUCTED UNDER CONDITION 4 OR ANY OTHER TESTS REQUIRED BY AQMD RULES, AND THEIR RESULTS, MAY BE USED TO SATISFY THE APPLICABLE REQUIREMENTS OF THIS CONDITION.  
[RULE 3004 (a)(4)]

### Emissions and Requirements:

- 13) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- CO: 2000 PPM, RULE 407
  - CO: 130 PPMV, RULE 1303(a)(1)
  - NOX: 25 PPMV, RULE 1134, 1303(a)(1)
  - NOX: 89.8 PPMV, 40 CFR SUBPART GG
  - PM: 0.1 GRAIN/SCF, RULE 409
  - SOX: 500 PPMV, RULE 409



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**PERMIT TO CONSTRUCT/OPERATE**

**Permit No. G2782  
A/N 467059**

**Equipment Description:**

COGENERATION SYSTEM NO.2 CONSISTING OF:

1. THREE (3) FUEL GAS COMPRESSORS, 1000 HP EACH, WITH A GAS CHILLER, KNOCKOUT DRUM, AND RE-HEATER, COMMON TO GAS TURBINE 1 AND 3.
2. GAS TURBINE NO.1, SOLAR. MODEL MARS 90-13000, 113 MMBTU/HOUR, DIGESTER GAS AND NATURAL GAS FIRED, WITH WATER INJECTION SYSTEM, DRIVING A 9.9 MEGAWATT ELECTRIC GENERATOR.
3. WASTE HEAT RECOVERY BOILER NO. 2 EXPRESS INTEGRATED TECHNOLOGIES, UNFIRED. WATER-TUBE TYPE, 33,744 POUNDS/HOUR OF 460 PSI STEAM OUTPUT.
4. STEAM TURBINE GENERATOR, SHIN-NIPPON, 8700 KILOWATT, WITH ASSOCIATED PUMPS, FEED WATER HEATERS, AND CONDENSER, COMMON TO COGENERATION SYSTEM NO. 1 AND 3.

**Conditions:**

- 1) CONSTRUCTION AND 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 PERMIT SHALL EXPIRE IF CONSTRUCTION OF THIS EQUIPMENT IS NOT COMPLETED WITHIN ONE YEAR FROM THE DATE OF ISSUANCE OF THIS PERMIT UNLESS AN EXTENSION IS GRANTED BY THE EXECUTIVE OFFICER.  
[RULE 205]
- 4) THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS THE WATER INJECTION SYSTEM IS INSTALLED AND OPERATING, EXCEPT DURING STARTUP AND SHUTDOWN PERIODS.  
[RULE 1303(a)(1)]



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5) THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT ANNUAL PERFORMANCE TESTS IN ACCORDANCE WITH THE SCAQMD APPROVED TEST PROCEDURES AND FURNISH THE SCAQMD WITH THE WRITTEN RESULTS OF SUCH PERFORMANCE TESTS WITHIN 60 DAYS AFTER TESTING. THE TESTS SHALL INCLUDE, BUT MAY NOT BE LIMITED TO:

- A. HEAT INPUT RATE (CALCULATED)
- B. POWER OUTPUT (MEASURED)
- C. EXHAUST FLOW RATE (CALCULATED)
- D. CARBON MONOXIDE (EXHAUST ONLY)
- E. OXIDES OF NITROGEN (EXHAUST ONLY)
- F. OXYGEN (EXHAUST ONLY)

THE REPORT SHALL PRESENT THE EMISSION DATA IN PARTS PER MILLION VOLUME ON DRY BASIS AT 15% OXYGEN, AND IN POUNDS PER HOUR.

[RULE 1134]

6) THE DIGESTER GAS AND NATURAL GAS FLOW RATES TO THE TURBINE SHALL BE CONTINUOUSLY MONITORED AND RECORDED ON A DAILY BASIS.

[RULE 1134]

7) THE GASEOUS FUEL SUPPLIED TO THIS TURBINE SHALL CONTAIN, AT MINIMUM, 60% DIGESTER GAS BY VOLUME AVERAGED OVER 24 HOURS PERIOD.

[RULE 1134]

8) THE TOTAL HEAT INPUT TO THIS TURBINE SHALL NOT EXCEED 113 MMBTU/HOUR.

[RULE 1303(b)(1)][RULE 1303(b)(2)]

9) THE EMISSIONS OF CRITERIA POLLUTANTS FROM THIS TURBINE SHALL NOT EXCEED THE FOLLOWING:

POLLUTANT	LBS/HOUR
ROG (AS CARBON)	4.5
NOX (AS NO2)	12.0
SOX (AS SO2)	1.3
CO	16.3
PM	5.7

[RULE 1303(b)(1)][RULE 1303(b)(2)]

10) A CONTINUOUS EMISSION MONITORING SYSTEM (CEMS) SHALL BE MAINTAINED TO MEASURE THE EXHAUST FOR NOX AND O2 CONCENTRATIONS. THE CEMS SHALL CONTINUOUSLY CORRECT AND RECORD THE NOX CONCENTRATIONS TO 15% OXYGEN ON DRY BASIS.

[RULE 1134]

11) THE OPERATOR SHALL KEEP RECORDS OF TO DEMONSTRATE COMPLIANCE WITH REQUIREMENTS OF THE CONDITIONS OF THIS PERMIT AND SUCH RECORDS SHALL BE KEPT FOR AT LEAST FIVE (5) YEARS AND MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.

[RULE 204]



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**Periodic Monitoring:**

- 12) THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE ROG, PM, AND SOX EMISSION LIMITS IN CONDITION 8 BY CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY 3 YEARS USING AQMD-APPROVED TEST METHODS. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER MAXIMUM ATTAINABLE CONDITIONS TO DEMONSTRATE COMPLIANCE. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT. THE TESTS CONDUCTED UNDER CONDITION 4 OR ANY OTHER TESTS REQUIRED BY AQMD RULES, AND THEIR RESULTS, MAY BE USED TO SATISFY THE APPLICABLE REQUIREMENTS OF THIS CONDITION.  
[RULE 3004 (a)(4)]

**Emissions and Requirements:**

- 13) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- CO: 2000 PPM, RULE 407
  - CO: 130 PPMV, RULE 1303(a)(1)
  - NOX: 25 PPMV, RULE 1134, 1303(a)(1)
  - NOX: 89.8 PPMV, 40 CFR SUBPART GG
  - PM: 0.1 GRAIN/SCF, RULE 409
  - SOX: 500 PPMV, RULE 409



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**PERMIT TO CONSTRUCT/OPERATE**

**Permit No. G2783  
A/N 467060**

**Equipment Description:**

COGENERATION SYSTEM NO. 3 CONSISTING OF:

1. THREE (3) FUEL GAS COMPRESSORS, 1000 HP EACH, WITH A GAS CHILLER, KNOCKOUT DRUM, AND RE-HEATER, COMMON TO GAS TURBINE 1 AND 2.
2. GAS TURBINE NO.1, SOLAR. MODEL MARS 90-13000, 113 MMBTU/HOUR. DIGESTER GAS AND NATURAL GAS FIRED, WITH WATER INJECTION SYSTEM, DRIVING A 9.9 MEGAWATT ELECTRIC GENERATOR.
3. WASTE HEAT RECOVERY BOILER NO. 3 EXPRESS INTEGRATED TECHNOLOGIES, UNFIRED, WATER-TUBE TYPE, 33,744 POUNDS/HOUR OF 460 PSI STEAM OUTPUT.
4. STEAM TURBINE GENERATOR, SHIN-NIPPON, 8700 KILOWATT, WITH ASSOCIATED PUMPS, FEED WATER HEATERS, AND CONDENSER, COMMON TO COGENERATION SYSTEM NO. 1 AND 2.

**Conditions:**

- 1) CONSTRUCTION AND 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 PERMIT SHALL EXPIRE IF CONSTRUCTION OF THIS EQUIPMENT IS NOT COMPLETED WITHIN ONE YEAR FROM THE DATE OF ISSUANCE OF THIS PERMIT UNLESS AN EXTENSION IS GRANTED BY THE EXECUTIVE OFFICER.  
[RULE 205]
- 4) THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS THE WATER INJECTION SYSTEM IS INSTALLED AND OPERATING, EXCEPT DURING STARTUP AND SHUTDOWN PERIODS.  
[RULE 1303(a)(1)]



**FACILITY PERMIT TO OPERATE  
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5) THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT ANNUAL PERFORMANCE TESTS IN ACCORDANCE WITH THE SCAQMD APPROVED TEST PROCEDURES AND FURNISH THE SCAQMD WITH THE WRITTEN RESULTS OF SUCH PERFORMANCE TESTS WITHIN 60 DAYS AFTER TESTING. THE TESTS SHALL INCLUDE, BUT MAY NOT BE LIMITED TO:

- A. HEAT INPUT RATE (CALCULATED)
- B. POWER OUTPUT (MEASURED)
- C. EXHAUST FLOW RATE (CALCULATED)
- D. CARBON MONOXIDE (EXHAUST ONLY)
- E. OXIDES OF NITROGEN (EXHAUST ONLY)
- F. OXYGEN (EXHAUST ONLY)

THE REPORT SHALL PRESENT THE EMISSION DATA IN PARTS PER MILLION VOLUME ON DRY BASIS AT 15% OXYGEN, AND IN POUNDS PER HOUR.

[RULE 1134]

6) THE DIGESTER GAS AND NATURAL GAS FLOW RATES TO THE TURBINE SHALL BE CONTINUOUSLY MONITORED AND RECORDED ON A DAILY BASIS.

[RULE 1134]

7) THE GASEOUS FUEL SUPPLIED TO THIS TURBINE SHALL CONTAIN, AT MINIMUM, 60% DIGESTER GAS BY VOLUME AVERAGED OVER 24 HOURS PERIOD.

[RULE 1134]

8) THE TOTAL HEAT INPUT TO THIS TURBINE SHALL NOT EXCEED 113 MMBTU/HOUR.

[RULE 1303(b)(1)][RULE 1303(b)(2)]

9) THE EMISSIONS OF CRITERIA POLLUTANTS FROM THIS TURBINE SHALL NOT EXCEED THE FOLLOWING:

POLLUTANT	LBS/HOUR
ROG (AS CARBON)	4.5
NOX (AS NO2)	12.0
SOX (AS SO2)	1.3
CO	16.3
PM	5.7

[RULE 1303(b)(1)][RULE 1303(b)(2)]

10) A CONTINUOUS EMISSION MONITORING SYSTEM (CEMS) SHALL BE MAINTAINED TO MEASURE THE EXHAUST FOR NOX AND O2 CONCENTRATIONS. THE CEMS SHALL CONTINUOUSLY CORRECT AND RECORD THE NOX CONCENTRATIONS TO 15% OXYGEN ON DRY BASIS.

[RULE 1134]

11) THE OPERATOR SHALL KEEP RECORDS OF TO DEMONSTRATE COMPLIANCE WITH REQUIREMENTS OF THE CONDITIONS OF THIS PERMIT AND SUCH RECORDS SHALL BE KEPT FOR AT LEAST FIVE (5) YEARS AND MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.

[RULE 204]



## FACILITY PERMIT TO OPERATE LA CO. SANITATION DIST

### Periodic Monitoring:

- 12) THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE ROG, PM, AND SOX EMISSION LIMITS IN CONDITION 8 BY CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY 3 YEARS USING AQMD-APPROVED TEST METHODS. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER MAXIMUM ATTAINABLE CONDITIONS TO DEMONSTRATE COMPLIANCE. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT. THE TESTS CONDUCTED UNDER CONDITION 4 OR ANY OTHER TESTS REQUIRED BY AQMD RULES, AND THEIR RESULTS, MAY BE USED TO SATISFY THE APPLICABLE REQUIREMENTS OF THIS CONDITION.  
[RULE 3004 (a)(4)]

### Emissions and Requirements:

- 13) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- CO: 2000 PPM, RULE 407
  - CO: 130 PPMV, RULE 1303(a)(1)
  - NOX: 25 PPMV, RULE 1134, 1303(a)(1)
  - NOX: 89.8 PPMV, 40 CFR SUBPART GG
  - PM: 0.1 GRAIN/SCF, RULE 409
  - SOX: 500 PPMV, RULE 409



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO CONSTRUCT/OPERATE**

**Permit No. G7418  
A/N 497322**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, CUMMINS, MODEL NO. QSL9-G3, SIPS STANDBY GENERATOR 6A2, DIESEL FUELED, 6-CYLINDER, TURBOCHARGED AND AFTERCOOLED, 399 BHP, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED, UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITIONS AT ALL TIMES.  
[RULE 204]
- 3) A NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1110.2][RULE 1304] [RULE 1470][40 CFR 60 SUBPART III]
- 4) THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES AND NO MORE THAN 4.2 HOURS IN ANY ONE MONTH FOR MAINTENANCE AND TESTING.  
[RULE 1110.2][RULE 1304] [RULE 1470][40 CFR 60 SUBPART III]
- 5) OPERATION BEYOND THE 50 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1470]
- 6) AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION.
  - B. MAINTENANCE AND TESTING HOURS.
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION).



## FACILITY PERMIT TO OPERATE LA CO. SANITATION DIST

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

[RULE 204][RULE 1110.2][RULE 1470]

- 7) THIS ENGINE SHALL NOT BE USED AS PART OF AN INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO DO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1304][RULE 1470]
- 8) THE OPERATOR SHALL COMPLY WITH ALL THE APPLICABLE PROVISIONS OF RULES 431.2 AND 1470.  
[RULE 431.2][RULE 1470]
- 9) SULFUR CONTENT OF DIESEL FUEL SUPPLIED TO THIS ENGINE SHALL NOT EXCEED 0.0015% BY WEIGHT.  
[RULE 1470]
- 10) A SPECIFIC DAILY LOG ENTRY SHALL BE KEPT TO INDICATE THE ENGINE'S OPERATION TIME, IN MINUTES, FOR MAINTENANCE AND TESTING.  
[RULE 204]
- 11) ALL RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH THESE CONDITIONS. RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 204]
- 12) THIS PERMIT SHALL EXPIRE IF CONSTRUCTION OF THIS EQUIPMENT IS NOT COMPLETE WITHIN ONE YEAR FROM MARCH 23, 2010, UNLESS AN EXTENSION IS GRANTED BY THE EXECUTIVE OFFICER.  
[RULE 205]

### Emissions and Requirements:

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

PM:	RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM:	0.15 gm/bhp-hr, RULE 1470
PM:	0.15 gm/bhp-hr, RULE 1303 – BACT, 40 CFR PART 60 SUBPART III
NO <sub>x</sub> + NMHC:	3.0 g/bhp-hr, RULE 1303-BACT, 1470, 40 CFR PART 60 SUBPART III
CO:	2.6 g/bhp-hr, RULE 1303-BACT, 1470, 40 CFR PART 60 SUBPART III



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO CONSTRUCT/OPERATE**

**Permit No. G7419  
A/N 497323**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, CUMMINS, MODEL NO. QSL9-G3, SIPS STANDBY GENERATOR 6A2A, DIESEL FUELED, 6-CYLINDER, TURBOCHARGED AND AFTERCOOLED, 399 BHP, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED, UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITIONS AT ALL TIMES.  
[RULE 204]
- 3) A NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1110.2][RULE 1304][RULE 1470][40 CFR 60 SUBPART IIII]
- 4) THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES AND NO MORE THAN 4.2 HOURS IN ANY ONE MONTH FOR MAINTENANCE AND TESTING.  
[RULE 1110.2][RULE 1304][RULE 1470][40 CFR 60 SUBPART IIII]
- 5) OPERATION BEYOND THE 50 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1470]
- 6) AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION.
  - B. MAINTENANCE AND TESTING HOURS.
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION).



## FACILITY PERMIT TO OPERATE LA CO. SANITATION DIST

IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION. THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 204][RULE 1110.2][RULE 1470]

- 7) THIS ENGINE SHALL NOT BE USED AS PART OF AN INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO DO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1304][RULE 1470]
- 8) THE OPERATOR SHALL COMPLY WITH ALL THE APPLICABLE PROVISIONS OF RULES 431.2 AND 1470.  
[RULE 431.2][RULE 1470]
- 9) SULFUR CONTENT OF DIESEL FUEL SUPPLIED TO THIS ENGINE SHALL NOT EXCEED 0.0015% BY WEIGHT.  
[RULE 1470]
- 10) A SPECIFIC DAILY LOG ENTRY SHALL BE KEPT TO INDICATE THE ENGINE'S OPERATION TIME, IN MINUTES, FOR MAINTENANCE AND TESTING.  
[RULE 204]
- 11) ALL RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH THESE CONDITIONS. RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 204]
- 12) THIS PERMIT SHALL EXPIRE IF CONSTRUCTION OF THIS EQUIPMENT IS NOT COMPLETE WITHIN ONE YEAR FROM MARCH 23, 2010, UNLESS AN EXTENSION IS GRANTED BY THE EXECUTIVE OFFICER.  
[RULE 205]

### Emissions and Requirements:

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

PM:	RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM:	0.15 gm/bhp-hr, RULE 1470
PM:	0.15 gm/bhp-hr, RULE 1303 - BACT, 40 CFR PART 60 SUBPART IIII
NO <sub>x</sub> + NMHC:	3.0 g/bhp-hr, RULE 1303-BACT, 1470, 40 CFR PART 60 SUBPART IIII
CO:	2.6 g/bhp-hr, RULE 1303-BACT, 1470, 40 CFR PART 60 SUBPART IIII



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO CONSTRUCT/OPERATE**

**Permit No. G7415  
A/N 497787**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, CUMMINS, MODEL NO. QSX15-G9, DIESEL FUELED, 6-CYLINDER, TURBOCHARGED AND AFTERCOOLED, 755 BHP, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED, UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITIONS AT ALL TIMES.  
[RULE 204]
- 3) A NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1110.2][RULE 1304][RULE 1470][40 CFR 60 SUBPART III]
- 4) THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES AND NO MORE THAN 4.2 HOURS IN ANY ONE MONTH FOR MAINTENANCE AND TESTING.  
[RULE 1110.2][RULE 1304][RULE 1470][40 CFR 60 SUBPART III]
- 5) OPERATION BEYOND THE 50 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1470]
- 6) AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION.
  - B. MAINTENANCE AND TESTING HOURS.
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION).



## FACILITY PERMIT TO OPERATE LA CO. SANITATION DIST

IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION. THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 204][RULE 1110.2][RULE 1470]

- 7) THIS ENGINE SHALL NOT BE USED AS PART OF AN INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO DO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1304][RULE 1470]
- 8) THE OPERATOR SHALL COMPLY WITH ALL THE APPLICABLE PROVISIONS OF RULES 431.2 AND 1470.  
[RULE 431.2][RULE 1470]
- 9) SULFUR CONTENT OF DIESEL FUEL SUPPLIED TO THIS ENGINE SHALL NOT EXCEED 0.0015% BY WEIGHT.  
[RULE 1470]
- 10) A SPECIFIC DAILY LOG ENTRY SHALL BE KEPT TO INDICATE THE ENGINE'S OPERATION TIME, IN MINUTES, FOR MAINTENANCE AND TESTING.  
[RULE 204]
- 11) ALL RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH THESE CONDITIONS. RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 204]
- 12) THIS PERMIT SHALL EXPIRE IF CONSTRUCTION OF THIS EQUIPMENT IS NOT COMPLETE WITHIN ONE YEAR FROM MARCH 23, 2010, UNLESS AN EXTENSION IS GRANTED BY THE EXECUTIVE OFFICER.  
[RULE 205]

### Emissions and Requirements:

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

PM:	RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM:	0.15 gm/bhp-hr, RULE 1470
PM:	0.15 gm/bhp-hr, RULE 1303 – BACT, 40 CFR PART 60 SUBPART IIII
NOx + NMHC:	4.8 g/bhp-hr, RULE 1303-BACT, 1470, 40 CFR PART 60 SUBPART IIII
CO:	2.6 g/bhp-hr, RULE 1303-BACT, 1470, 40 CFR PART 60 SUBPART IIII



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO CONSTRUCT/OPERATE**

**Permit No. G15357  
A/N 505349**

**Equipment Description:**

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. DOWN DRAFT TABLE, 5'-0" W. X 11'-8" L. X 2'-11" H.
2. TWO PORTABLE DUST COLLECTORS IN PARALLEL, MICRO AIR CLEAN AIR SYSTEMS, MODEL TM1000, EACH WITH TWO HEPA FILTERS AND TWO CARTRIDGE FILTERS, 1'-1" DIA. X 1'-4" L., WITH A REVERSE AIR CLEANING SYSTEM.
3. EXHAUST SYSTEM WITH A 1000 SCFM BLOWER FOR EACH DUST COLLECTOR VENTING STAINLESS STEEL PLASMA ARC CUTTING.

**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 CONDITIONS AT ALL TIMES.  
[RULE 204]
3. CONTAMINANTS COLLECTED IN THE AIR POLLUTION CONTROL SYSTEM SHALL BE DISCHARGED ONLY INTO CLOSED CONTAINERS.  
[RULE 204]
4. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS:
  - A. THE DOWNDRAFT TABLE VENT AREA SHALL BE NO MORE THAN 5 SQUARE FEET UNCOVERED, OR
  - B. THE SURFACE VELOCITY OF THE DOWNDRAFT TABLE VENT SHALL BE MEASURED WITH A VELOCITY INDICATING DEVICE AND SHALL INDICATE AT LEAST 150 FPM.[RULE 204]
5. ALL RECORDS REQUIRED TO DEMONSTRATE COMPLIANCE WITH THE CONDITIONS OF THIS PERMIT SHALL BE MAINTAINED FOR A MINIMUM OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 204]



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**FACILITY PERMIT TO OPERATE  
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**Periodic Monitoring:**

6. A DAILY OPERATING LOG SHALL BE MAINTAINED AND SHALL LIST EITHER THE UNCOVERED DOWNDRAFT TABLE VENT AREA OR THE SURFACE VELOCITY MEASUREMENT OF THE DOWNDRAFT TABLE VENT IN FPM.  
[RULE 3004(a)(4)]



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO OPERATE**

**Permit No. G15351  
A/N 505681**

**Equipment Description:**

PLASMA ARC CUTTER WITH POWER SUPPLY, MILLER, MODEL SPECTRUM 1250, SERIAL NO. KG123725, 20" L. X 22.5" W. X 38" H., 30-85 AMPERE INPUT, 200 - 575 VDC OUTPUT.

**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 CONDITIONS AT ALL TIMES.  
[RULE 204]
3. AN IDENTIFICATION TAG OR NAMEPLATE SHALL BE DISPLAYED ON THE POWER SUPPLY AND THE PLASMA ARC CUTTER TO SHOW MANUFACTURER, MODEL NO. AND SERIAL NO. THE TAG(S) OR NAMEPLATE(S) SHALL BE ISSUED BY THE MANUFACTURER AND SHALL BE AFFIXED TO THE EQUIPMENT IN A PERMANENT AND CONSPICUOUS LOCATION.  
[RULE 204]
4. THIS EQUIPMENT SHALL ONLY CUT STAINLESS STEEL.  
[RULE 204, RULE 1303, RULE 1401]
5. THIS EQUIPMENT SHALL NOT BE OPERATED TO CUT STAINLESS STEEL UNLESS THE PLASMA ARC CUTTER IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL OPERATION AND WHICH HAS BEEN ISSUED A VALID OPERATING PERMIT BY THE EXECUTIVE OFFICER.  
[RULE 204, RULE 1303]
6. THE NUMBER OF FEET OF STAINLESS STEEL CUT BY THIS EQUIPMENT SHALL NOT EXCEED 1,300 LINEAR FEET PER CALENDAR YEAR.  
[RULE 204, RULE 1303]
7. OPERATION OF THIS EQUIPMENT SHALL NOT EXCEED 6.5 HOURS PER DAY.  
[RULE 1303]
8. ALL RECORDS REQUIRED TO DEMONSTRATE COMPLIANCE WITH THE CONDITIONS OF THIS PERMIT SHALL BE MAINTAINED FOR A MINIMUM OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 204]



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**FACILITY PERMIT TO OPERATE  
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**Periodic Monitoring:**

9. A DAILY OPERATING LOG SHALL BE MAINTAINED AND SHALL LIST THE NUMBER OF LINEAR FEET OF STAINLESS STEEL CUT AND THE NUMBER OF HOURS OF OPERATION OF THIS EQUIPMENT.  
[RULE 3004(a)(4)]



## FACILITY PERMIT TO OPERATE LA CO. SANITATION DIST

### 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 1113][RULE 3004 (a) (4)]

**Emissions and Requirements:**

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

VOC: RULE 1113, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS



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**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

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**RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, HAND WIPING OPERATIONS.

**Emissions and Requirements:**

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

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS



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**PERMITTED EQUIPMENT LIST**

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

<b>Application No.</b>	<b>Equipment Description</b>	<b>Page No.</b>
377389	ICE (> 500 HP) N-EM, STAT., N. GAS	2
377395	ICE (> 500 HP) N-EM, STAT., N. GAS	5
377397	ICE (> 500 HP) N-EM, STAT., N. GAS	8
377399	ICE (> 500 HP) N-EM, STAT., N. GAS	11
377400	ICE (> 500 HP) N-EM, STAT., N. GAS	14
401556	APC SYSTEM, BIOFILTER	17
401557	APC SYSTEM, BIOFILTER	19

**NOTE:** ANY OTHER APPLICATIONS THAT ARE STILL BEING PROCESSED AND HAVE NOT BEEN ISSUED PERMITS TO CONSTRUCT (PC) WILL NOT BE FOUND IN THIS TITLE V PERMIT.



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**PERMIT TO CONSTRUCT**

**A/N 377389  
Granted as of 3/02/2001**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, WAUKESHA, MODEL NO. P9390 OR EQUIVALENT, NATURAL GAS OR LPG FIRED, 16 CYLINDER, FOUR CYCLE, RICH BURN, NATURALLY ASPIRATED, 1564 BHP, WITH AUTOMATIC AIR TO FUEL RATIO CONTROLLER, DRIVING PUMP NO. 1 AT SECONDARY INFLUENT PUMP STATION, VENTED TO A THREE WAY CATALYST, MIRATECH, MODEL NO. EQ-453621X2-22-D2 OR EQUIVALENT.

**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.
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
- 3) THIS ENGINE SHALL BE FIRED ON NATURAL GAS ONLY. LPG MAY BE USED IN THE EVENT OF NATURAL GAS CURTAILMENT.  
[RULE 1303(a)(1)-BACT]
- 4) THIS ENGINE SHALL NOT BE OPERATED UNLESS IT IS VENTED TO A THREE WAY CATALYST THAT IS DESIGNED TO MAINTAIN THE EMISSIONS AT OR BELOW THE LEVELS DESCRIBED UNDER CONDITION NO. 9 OF THIS PERMIT.  
[RULE 1303(a)(1)-BACT][RULE 1110.2]
- 5) THIS ENGINE SHALL BE EQUIPPED WITH A NON-RESETTABLE TOTALIZING TIME METER TO DETERMINE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1110.2]
- 6) THIS ENGINE SHALL BE EQUIPPED WITH A TOTALIZING FUEL METER TO DETERMINE THE FUEL CONSUMPTION.  
[RULE 1110.2]
- 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 CONDITION AT ALL TIMES AS SPECIFIED BY THE MANUFACTURER.  
[RULE 1303(a)(1)][RULE 1110.2]
- 8) THE CATALYTIC CONVERTER TEMPERATURE (EXCEPT FOR STARTUP PERIODS) AND THE EXHAUST OXYGEN CONCENTRATION SHALL BE MAINTAINED AS SPECIFIED BY THE MANUFACTURER.  
[RULE 1303(a)(1)]



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- 9) EXCEPT DURING START-UP PERIODS, THE AFTER CONTROL EMISSIONS FROM THIS ENGINE SHALL NOT EXCEED THE FOLLOWING LIMITS:

POLLUTANT	GRAMS/BHP-HR	CONCENTRATION PPMV @ 15% O2 DRY ONE HOUR AVERAGE
CO	0.6	70.3
NOX (MEASURED AS NO2)	0.15	10.7
ROG (MEASURED AS CH4)	0.15	30.7

[RULE 1303(a)(1)]

- 10) A CONTINUOUS EMISSION MONITORING SYSTEM (CEMS) SHALL BE INSTALLED AND OPERATED TO MEASURE AND RECORD THE ENGINE EXHAUST CONCENTRATION FOR NOX AND O2 ON DRY BASIS. IN ADDITION THE SYSTEM SHALL CONVERT THE ACTUAL NOX CONCENTRATION TO A CORRECTED NOX CONCENTRATION AT 15% O2. PRIOR TO INSTALLATION, THIS MONITORING SYSTEM (CEMS) SHALL BE APPROVED BY THE AQMD IN WRITING. AN ALTERNATIVE OR PREDICTIVE MONITORING SYSTEM MAY BE SUBMITTED CONCURRENTLY WITH THE AFOREMENTIONED CEMS.  
[RULE 218][RULE 1110.2]
- 11) SAMPLING PORTS SHALL BE INSTALLED AND MAINTAINED IN THE EXHAUST STACK OF THE ENGINE AT THE DOWNSTREAM OF THE CATALYST. ADEQUATE AND SAFE ACCESS TO THE TEST PORTS SHALL BE PROVIDED.  
[RULE 217][RULE 1110.2][RULE 1303(a)(1)]
- 12) THE OWNER OR OPERATOR OF THE EQUIPMENT SHALL CONDUCT SOURCE TEST(S) UNDER THE FOLLOWING CONDITIONS:
- A. A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD AND IN COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TEST.
  - B. TWO COPIES OF A SOURCE TEST PROTOCOL SHALL BE SUBMITTED TO THE AQMD ENGINEER IDENTIFIED ON THE PERMIT TO CONSTRUCT OF THE TOXICS AND WASTE MANAGEMENT GROUP OF THE AQMD WITHIN 30 DAYS AFTER INITIAL START-UP, AND SHALL BE APPROVED BY AQMD BEFORE THE TEST COMMENCES. THE PROTOCOL SHALL INCLUDE PROPOSED OPERATING CONDITIONS OF THE EQUIPMENT DURING THE TEST, AND A DESCRIPTION OF ALL SAMPLING AND ANALYTICAL PROCEDURES TO BE USED.
  - C. SOURCE TESTING SHALL BE CONDUCTED WITHIN 60 CALENDAR DAYS AFTER NORMAL OPERATION OF THE EQUIPMENT HAS BEEN ESTABLISHED, BUT NO LATER THAN 180 DAYS AFTER INITIAL START-UP, AND EVERY THREE YEARS THEREAFTER, AT MAXIMUM LOAD.
  - D. TWO COPIES OF THE SOURCE TEST RESULTS SHALL BE SUBMITTED TO THE AQMD ENGINEER IDENTIFIED ON THE PERMIT TO CONSTRUCT WITHIN 60 DAYS OF THE TESTS. THE REPORT SHALL INCLUDE THE FOLLOWING:



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1. FUEL FLOW RATE
2. PERCENT LOAD
3. AIR/FUEL RATIO
4. EXHAUST GAS FLOW RATE
5. EXHAUST TEMPERATURE
6. EXHAUST MOISTURE
7. CO EMISSIONS (EXHAUST)
8. NOX EMISSIONS (AS NO<sub>2</sub>, EXHAUST)
9. NMHC EMISSIONS (AS CH<sub>4</sub>, EXHAUST)
10. OXYGEN (O<sub>2</sub>) (EXHAUST)
11. ACETALDEHYDE (EXHAUST, ONE ENGINE, ONE TIME)
12. FORMALDEHYDE (EXHAUST, ONE ENGINE, ONE TIME)
13. PAH (TOTAL) (EXHAUST, ONE ENGINE, ONE TIME)

THE REPORT SHALL PRESENT THE EMISSIONS DATA IN PARTS PER MILLION VOLUME (PPMV) AND POUNDS PER HOUR (LB/HR) ON A DRY BASIS. THE SOURCE TEST SHALL MEASURE NOX, CO, NMHC, AND O<sub>2</sub> USING AQMD APPROVED TEST METHODS.

[RULE 1401][RULE 1110.2][RULE 1303(a)(1)]

**Emissions and Requirements:**

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

CO: 2000 PPM, RULE 1110.2  
CO: 70.3 PPMV OR 0.6 GRAM/BHP-H, 1303(a)(1)-BACT  
PM: RULE 404, SEE APPENDIX B FOR EMISSIONS LIMITS  
ROG: 250 PPM, RULE 1110.2  
ROG: 30.7 PPMV (CH<sub>4</sub>) OR 0.15 GRAM/BHP-H, 1303(a)(1)-BACT  
NOX: 36 PPM, RULE 1110.2  
NOX: 10.7 PPMV OR 0.15 GRAM/BHP-H, 1303(a)(1)-BACT



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO CONSTRUCT**

**A/N 377395  
Granted as of 3/02/2001**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, WAUKESHA, MODEL NO. P9390 OR EQUIVALENT, NATURAL GAS OR LPG FIRED, 16 CYLINDER, FOUR CYCLE, RICH BURN, NATURALLY ASPIRATED, 1564 BHP, WITH AUTOMATIC AIR TO FUEL RATIO CONTROLLER, DRIVING PUMP NO. 2 AT SECONDARY INFLUENT PUMP STATION, VENTED TO A THREE WAY CATALYST, MIRATECH, MODEL NO. EQ-453621X2-22-D2 OR EQUIVALENT.

**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.
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
- 3) THIS ENGINE SHALL BE FIRED ON NATURAL GAS ONLY. LPG MAY BE USED IN THE EVENT OF NATURAL GAS CURTAILMENT.  
[RULE 1303(a)(1)-BACT]
- 4) THIS ENGINE SHALL NOT BE OPERATED UNLESS IT IS VENTED TO A THREE WAY CATALYST THAT IS DESIGNED TO MAINTAIN THE EMISSIONS AT OR BELOW THE LEVELS DESCRIBED UNDER CONDITION NO. 9 OF THIS PERMIT.  
[RULE 1303(a)(1)-BACT][RULE 1110.2]
- 5) THIS ENGINE SHALL BE EQUIPPED WITH A NON-RESETTABLE TOTALIZING TIME METER TO DETERMINE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1110.2]
- 6) THIS ENGINE SHALL BE EQUIPPED WITH A TOTALIZING FUEL METER TO DETERMINE THE FUEL CONSUMPTION.  
[RULE 1110.2]
- 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 CONDITION AT ALL TIMES AS SPECIFIED BY THE MANUFACTURER.  
[RULE 1303(a)(1)][RULE 1110.2]
- 8) THE CATALYTIC CONVERTER TEMPERATURE (EXCEPT FOR STARTUP PERIODS) AND THE EXHAUST OXYGEN CONCENTRATION SHALL BE MAINTAINED AS SPECIFIED BY THE MANUFACTURER.  
[RULE 1303(a)(1)]



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- 9) EXCEPT DURING START-UP PERIODS, THE AFTER CONTROL EMISSIONS FROM THIS ENGINE SHALL NOT EXCEED THE FOLLOWING LIMITS:

POLLUTANT	GRAMS/BHP-HR	CONCENTRATION PPMV @ 15% O2 DRY ONE HOUR AVERAGE
CO	0.6	70.3
NOX (MEASURED AS NO2)	0.15	10.7
ROG (MEASURED AS CH4)	0.15	30.7

[RULE 1303(a)(1)]

- 10) A CONTINUOUS EMISSION MONITORING SYSTEM (CEMS) SHALL BE INSTALLED AND OPERATED TO MEASURE AND RECORD THE ENGINE EXHAUST CONCENTRATION FOR NOX AND O2 ON DRY BASIS. IN ADDITION THE SYSTEM SHALL CONVERT THE ACTUAL NOX CONCENTRATION TO A CORRECTED NOX CONCENTRATION AT 15% O2. PRIOR TO INSTALLATION, THIS MONITORING SYSTEM (CEMS) SHALL BE APPROVED BY THE AQMD IN WRITING. AN ALTERNATIVE OR PREDICTIVE MONITORING SYSTEM MAY BE SUBMITTED CONCURRENTLY WITH THE AFOREMENTIONED CEMS.  
[RULE 218][RULE 1110.2]
- 11) SAMPLING PORTS SHALL BE INSTALLED AND MAINTAINED IN THE EXHAUST STACK OF THE ENGINE AT THE DOWNSTREAM OF THE CATALYST. ADEQUATE AND SAFE ACCESS TO THE TEST PORTS SHALL BE PROVIDED.  
[RULE 217][RULE 1110.2][RULE 1303(a)(1)]
- 12) THE OWNER OR OPERATOR OF THE EQUIPMENT SHALL CONDUCT SOURCE TEST(S) UNDER THE FOLLOWING CONDITIONS:
- A. A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD AND IN COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TEST.
  - B. TWO COPIES OF A SOURCE TEST PROTOCOL SHALL BE SUBMITTED TO THE AQMD ENGINEER IDENTIFIED ON THE PERMIT TO CONSTRUCT OF THE TOXICS AND WASTE MANAGEMENT GROUP OF THE AQMD WITHIN 30 DAYS AFTER INITIAL START-UP, AND SHALL BE APPROVED BY AQMD BEFORE THE TEST COMMENCES. THE PROTOCOL SHALL INCLUDE PROPOSED OPERATING CONDITIONS OF THE EQUIPMENT DURING THE TEST, AND A DESCRIPTION OF ALL SAMPLING AND ANALYTICAL PROCEDURES TO BE USED.
  - C. SOURCE TESTING SHALL BE CONDUCTED WITHIN 60 CALENDAR DAYS AFTER NORMAL OPERATION OF THE EQUIPMENT HAS BEEN ESTABLISHED, BUT NO LATER THAN 180 DAYS AFTER INITIAL START-UP, AND EVERY THREE YEARS THEREAFTER, AT MAXIMUM LOAD.
  - D. TWO COPIES OF THE SOURCE TEST RESULTS SHALL BE SUBMITTED TO THE AQMD ENGINEER IDENTIFIED ON THE PERMIT TO CONSTRUCT WITHIN 60 DAYS OF THE TESTS. THE REPORT SHALL INCLUDE THE FOLLOWING:



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1. FUEL FLOW RATE
2. PERCENT LOAD
3. AIR/FUEL RATIO
4. EXHAUST GAS FLOW RATE
5. EXHAUST TEMPERATURE
6. EXHAUST MOISTURE
7. CO EMISSIONS (EXHAUST)
8. NOX EMISSIONS (AS NO2, EXHAUST)
9. NMHC EMISSIONS (AS CH4, EXHAUST)
10. OXYGEN (O2) (EXHAUST)
11. ACETALDEHYDE (EXHAUST, ONE ENGINE, ONE TIME)
12. FORMALDEHYDE (EXHAUST, ONE ENGINE, ONE TIME)
13. PAH (TOTAL) (EXHAUST, ONE ENGINE, ONE TIME)

THE REPORT SHALL PRESENT THE EMISSIONS DATA IN PARTS PER MILLION VOLUME (PPMV) AND POUNDS PER HOUR (LB/HR) ON A DRY BASIS. THE SOURCE TEST SHALL MEASURE NOX, CO, NMHC, AND O2 USING AQMD APPROVED TEST METHODS.

[RULE 1401][RULE 1110.2][RULE 1303(a)(1)]

**Emissions and Requirements:**

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

CO: 2000 PPM, RULE 1110.2  
CO: 70.3 PPMV OR 0.6 GRAM/BHP-H, 1303(a)(1)-BACT  
PM: RULE 404, SEE APPENDIX B FOR EMISSIONS LIMITS  
ROG: 250 PPM, RULE 1110.2  
ROG: 30.7 PPMV (CH4) OR 0.15 GRAM/BHP-H, 1303(a)(1)-BACT  
NOX: 36 PPM, RULE 1110.2  
NOX: 10.7 PPMV OR 0.15 GRAM/BHP-H, 1303(a)(1)-BACT



**FACILITY PERMIT TO OPERATE**  
**LA CO. SANITATION DIST**

**PERMIT TO CONSTRUCT**

A/N 377397  
Granted as of 3/02/2001

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, WAUKESHA, MODEL NO. P9390 OR EQUIVALENT, NATURAL GAS OR LPG FIRED, 16 CYLINDER, FOUR CYCLE, RICH BURN, NATURALLY ASPIRATED, 1564 BHP, WITH AUTOMATIC AIR TO FUEL RATIO CONTROLLER, DRIVING PUMP NO. 3 AT SECONDARY INFLUENT PUMP STATION, VENTED TO A THREE WAY CATALYST, MIRATECH, MODEL NO. EQ-453621X2-22-D2 OR EQUIVALENT.

**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.
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
- 3) THIS ENGINE SHALL BE FIRED ON NATURAL GAS ONLY. LPG MAY BE USED IN THE EVENT OF NATURAL GAS CURTAILMENT.  
[RULE 1303(a)(1)-BACT]
- 4) THIS ENGINE SHALL NOT BE OPERATED UNLESS IT IS VENTED TO A THREE WAY CATALYST THAT IS DESIGNED TO MAINTAIN THE EMISSIONS AT OR BELOW THE LEVELS DESCRIBED UNDER CONDITION NO. 9 OF THIS PERMIT.  
[RULE 1303(a)(1)-BACT][RULE 1110.2]
- 5) THIS ENGINE SHALL BE EQUIPPED WITH A NON-RESETTABLE TOTALIZING TIME METER TO DETERMINE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1110.2]
- 6) THIS ENGINE SHALL BE EQUIPPED WITH A TOTALIZING FUEL METER TO DETERMINE THE FUEL CONSUMPTION.  
[RULE 1110.2]
- 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 CONDITION AT ALL TIMES AS SPECIFIED BY THE MANUFACTURER.  
[RULE 1303(a)(1)][RULE 1110.2]
- 8) THE CATALYTIC CONVERTER TEMPERATURE (EXCEPT FOR STARTUP PERIODS) AND THE EXHAUST OXYGEN CONCENTRATION SHALL BE MAINTAINED AS SPECIFIED BY THE MANUFACTURER.  
[RULE 1303(a)(1)]



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- 9) EXCEPT DURING START-UP PERIODS, THE AFTER CONTROL EMISSIONS FROM THIS ENGINE SHALL NOT EXCEED THE FOLLOWING LIMITS:

POLLUTANT	GRAMS/BHP-HR	CONCENTRATION PPMV @ 15% O2 DRY ONE HOUR AVERAGE
CO	0.6	70.3
NOX (MEASURED AS NO2)	0.15	10.7
ROG (MEASURED AS CH4)	0.15	30.7

[RULE 1303(a)(1)]

- 10) A CONTINUOUS EMISSION MONITORING SYSTEM (CEMS) SHALL BE INSTALLED AND OPERATED TO MEASURE AND RECORD THE ENGINE EXHAUST CONCENTRATION FOR NOX AND O2 ON DRY BASIS. IN ADDITION THE SYSTEM SHALL CONVERT THE ACTUAL NOX CONCENTRATION TO A CORRECTED NOX CONCENTRATION AT 15% O2. PRIOR TO INSTALLATION, THIS MONITORING SYSTEM (CEMS) SHALL BE APPROVED BY THE AQMD IN WRITING. AN ALTERNATIVE OR PREDICTIVE MONITORING SYSTEM MAY BE SUBMITTED CONCURRENTLY WITH THE AFOREMENTIONED CEMS.  
[RULE 218][RULE 1110.2]
- 11) SAMPLING PORTS SHALL BE INSTALLED AND MAINTAINED IN THE EXHAUST STACK OF THE ENGINE AT THE DOWNSTREAM OF THE CATALYST. ADEQUATE AND SAFE ACCESS TO THE TEST PORTS SHALL BE PROVIDED.  
[RULE 217][RULE 1110.2][RULE 1303(a)(1)]
- 12) THE OWNER OR OPERATOR OF THE EQUIPMENT SHALL CONDUCT SOURCE TEST(S) UNDER THE FOLLOWING CONDITIONS:
- A. A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD AND IN COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TEST.
  - B. TWO COPIES OF A SOURCE TEST PROTOCOL SHALL BE SUBMITTED TO THE AQMD ENGINEER IDENTIFIED ON THE PERMIT TO CONSTRUCT OF THE TOXICS AND WASTE MANAGEMENT GROUP OF THE AQMD WITHIN 30 DAYS AFTER INITIAL START-UP, AND SHALL BE APPROVED BY AQMD BEFORE THE TEST COMMENCES. THE PROTOCOL SHALL INCLUDE PROPOSED OPERATING CONDITIONS OF THE EQUIPMENT DURING THE TEST, AND A DESCRIPTION OF ALL SAMPLING AND ANALYTICAL PROCEDURES TO BE USED.
  - C. SOURCE TESTING SHALL BE CONDUCTED WITHIN 60 CALENDAR DAYS AFTER NORMAL OPERATION OF THE EQUIPMENT HAS BEEN ESTABLISHED, BUT NO LATER THAN 180 DAYS AFTER INITIAL START-UP, AND EVERY THREE YEARS THEREAFTER, AT MAXIMUM LOAD.
  - D. TWO COPIES OF THE SOURCE TEST RESULTS SHALL BE SUBMITTED TO THE AQMD ENGINEER IDENTIFIED ON THE PERMIT TO CONSTRUCT WITHIN 60 DAYS OF THE TESTS. THE REPORT SHALL INCLUDE THE FOLLOWING:



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1. FUEL FLOW RATE
2. PERCENT LOAD
3. AIR/FUEL RATIO
4. EXHAUST GAS FLOW RATE
5. EXHAUST TEMPERATURE
6. EXHAUST MOISTURE
7. CO EMISSIONS (EXHAUST)
8. NOX EMISSIONS (AS NO2, EXHAUST)
9. NMHC EMISSIONS (AS CH4, EXHAUST)
10. OXYGEN (O2) (EXHAUST)
11. ACETALDEHYDE (EXHAUST, ONE ENGINE, ONE TIME)
12. FORMALDEHYDE (EXHAUST, ONE ENGINE, ONE TIME)
13. PAH (TOTAL) (EXHAUST, ONE ENGINE, ONE TIME)

THE REPORT SHALL PRESENT THE EMISSIONS DATA IN PARTS PER MILLION VOLUME (PPMV) AND POUNDS PER HOUR (LB/HR) ON A DRY BASIS. THE SOURCE TEST SHALL MEASURE NOX, CO, NMHC, AND O2 USING AQMD APPROVED TEST METHODS.  
[RULE 1401][RULE 1110.2][RULE 1303(a)(1)]

**Emissions and Requirements:**

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

CO: 2000 PPM, RULE 1110.2  
CO: 70.3 PPMV OR 0.6 GRAM/BHP-H, 1303(a)(1)-BACT  
PM: RULE 404, SEE APPENDIX B FOR EMISSIONS LIMITS  
ROG: 250 PPM, RULE 1110.2  
ROG: 30.7 PPMV (CH4) OR 0.15 GRAM/BHP-H, 1303(a)(1)-BACT  
NOX: 36 PPM, RULE 1110.2  
NOX: 10.7 PPMV OR 0.15 GRAM/BHP-H, 1303(a)(1)-BACT



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LA CO. SANITATION DIST**

**PERMIT TO CONSTRUCT**

**A/N 377399  
Granted as of 3/02/2001**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, WAUKESHA, MODEL NO. P9390 OR EQUIVALENT, NATURAL GAS OR LPG FIRED, 16 CYLINDER, FOUR CYCLE, RICH BURN, NATURALLY ASPIRATED, 1564 BHP, WITH AUTOMATIC AIR TO FUEL RATIO CONTROLLER, DRIVING PUMP NO. 4 AT SECONDARY INFLUENT PUMP STATION, VENTED TO A THREE WAY CATALYST, MIRATECH, MODEL NO. EQ-453621X2-22-D2 OR EQUIVALENT.

**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.
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
- 3) THIS ENGINE SHALL BE FIRED ON NATURAL GAS ONLY. LPG MAY BE USED IN THE EVENT OF NATURAL GAS CURTAILMENT.  
[RULE 1303(a)(1)-BACT]
- 4) THIS ENGINE SHALL NOT BE OPERATED UNLESS IT IS VENTED TO A THREE WAY CATALYST THAT IS DESIGNED TO MAINTAIN THE EMISSIONS AT OR BELOW THE LEVELS DESCRIBED UNDER CONDITION NO. 9 OF THIS PERMIT.  
[RULE 1303(a)(1)-BACT][RULE 1110.2]
- 5) THIS ENGINE SHALL BE EQUIPPED WITH A NON-RESETTABLE TOTALIZING TIME METER TO DETERMINE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1110.2]
- 6) THIS ENGINE SHALL BE EQUIPPED WITH A TOTALIZING FUEL METER TO DETERMINE THE FUEL CONSUMPTION.  
[RULE 1110.2]
- 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 CONDITION AT ALL TIMES AS SPECIFIED BY THE MANUFACTURER.  
[RULE 1303(a)(1)][RULE 1110.2]
- 8) THE CATALYTIC CONVERTER TEMPERATURE (EXCEPT FOR STARTUP PERIODS) AND THE EXHAUST OXYGEN CONCENTRATION SHALL BE MAINTAINED AS SPECIFIED BY THE MANUFACTURER.  
[RULE 1303(a)(1)]



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- 9) EXCEPT DURING START-UP PERIODS, THE AFTER CONTROL EMISSIONS FROM THIS ENGINE SHALL NOT EXCEED THE FOLLOWING LIMITS:

POLLUTANT	GRAMS/BHP-HR	CONCENTRATION PPMV @ 15% O2 DRY ONE HOUR AVERAGE
CO	0.6	70.3
NOX (MEASURED AS NO2)	0.15	10.7
ROG (MEASURED AS CH4)	0.15	30.7

[RULE 1303(a)(1)]

- 10) A CONTINUOUS EMISSION MONITORING SYSTEM (CEMS) SHALL BE INSTALLED AND OPERATED TO MEASURE AND RECORD THE ENGINE EXHAUST CONCENTRATION FOR NOX AND O2 ON DRY BASIS. IN ADDITION THE SYSTEM SHALL CONVERT THE ACTUAL NOX CONCENTRATION TO A CORRECTED NOX CONCENTRATION AT 15% O2. PRIOR TO INSTALLATION, THIS MONITORING SYSTEM (CEMS) SHALL BE APPROVED BY THE AQMD IN WRITING. AN ALTERNATIVE OR PREDICTIVE MONITORING SYSTEM MAY BE SUBMITTED CONCURRENTLY WITH THE AFOREMENTIONED CEMS.  
[RULE 218][RULE 1110.2]
- 11) SAMPLING PORTS SHALL BE INSTALLED AND MAINTAINED IN THE EXHAUST STACK OF THE ENGINE AT THE DOWNSTREAM OF THE CATALYST. ADEQUATE AND SAFE ACCESS TO THE TEST PORTS SHALL BE PROVIDED.  
[RULE 217][RULE 1110.2][RULE 1303(a)(1)]
- 12) THE OWNER OR OPERATOR OF THE EQUIPMENT SHALL CONDUCT SOURCE TEST(S) UNDER THE FOLLOWING CONDITIONS:
- A. A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD AND IN COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TEST.
  - B. TWO COPIES OF A SOURCE TEST PROTOCOL SHALL BE SUBMITTED TO THE AQMD ENGINEER IDENTIFIED ON THE PERMIT TO CONSTRUCT OF THE TOXICS AND WASTE MANAGEMENT GROUP OF THE AQMD WITHIN 30 DAYS AFTER INITIAL START-UP, AND SHALL BE APPROVED BY AQMD BEFORE THE TEST COMMENCES. THE PROTOCOL SHALL INCLUDE PROPOSED OPERATING CONDITIONS OF THE EQUIPMENT DURING THE TEST, AND A DESCRIPTION OF ALL SAMPLING AND ANALYTICAL PROCEDURES TO BE USED.
  - C. SOURCE TESTING SHALL BE CONDUCTED WITHIN 60 CALENDAR DAYS AFTER NORMAL OPERATION OF THE EQUIPMENT HAS BEEN ESTABLISHED, BUT NO LATER THAN 180 DAYS AFTER INITIAL START-UP, AND EVERY THREE YEARS THEREAFTER, AT MAXIMUM LOAD.
  - D. TWO COPIES OF THE SOURCE TEST RESULTS SHALL BE SUBMITTED TO THE AQMD ENGINEER IDENTIFIED ON THE PERMIT TO CONSTRUCT WITHIN 60 DAYS OF THE TESTS. THE REPORT SHALL INCLUDE THE FOLLOWING:



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

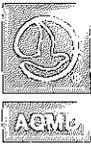
1. FUEL FLOW RATE
2. PERCENT LOAD
3. AIR/FUEL RATIO
4. EXHAUST GAS FLOW RATE
5. EXHAUST TEMPERATURE
6. EXHAUST MOISTURE
7. CO EMISSIONS (EXHAUST)
8. NOX EMISSIONS (AS NO<sub>2</sub>, EXHAUST)
9. NMHC EMISSIONS (AS CH<sub>4</sub>, EXHAUST)
10. OXYGEN (O<sub>2</sub>) (EXHAUST)
11. ACETALDEHYDE (EXHAUST, ONE ENGINE, ONE TIME)
12. FORMALDEHYDE (EXHAUST, ONE ENGINE, ONE TIME)
13. PAH (TOTAL) (EXHAUST, ONE ENGINE, ONE TIME)

THE REPORT SHALL PRESENT THE EMISSIONS DATA IN PARTS PER MILLION VOLUME (PPMV) AND POUNDS PER HOUR (LB/HR) ON A DRY BASIS. THE SOURCE TEST SHALL MEASURE NOX, CO, NMHC, AND O<sub>2</sub> USING AQMD APPROVED TEST METHODS.  
[RULE 1401][RULE 1110.2][RULE 1303(a)(1)]

**Emissions and Requirements:**

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

CO: 2000 PPM, RULE 1110.2  
CO: 70.3 PPMV OR 0.6 GRAM/BHP-H, 1303(a)(1)-BACT  
PM: RULE 404, SEE APPENDIX B FOR EMISSIONS LIMITS  
ROG: 250 PPM, RULE 1110.2  
ROG: 30.7 PPMV (CH<sub>4</sub>) OR 0.15 GRAM/BHP-H, 1303(a)(1)-BACT  
NOX: 36 PPM, RULE 1110.2  
NOX: 10.7 PPMV OR 0.15 GRAM/BHP-H, 1303(a)(1)-BACT



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO CONSTRUCT**

**A/N 377400  
Granted as of 3/02/2001**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, WAUKESHA, MODEL NO. P9390 OR EQUIVALENT, NATURAL GAS OR LPG FIRED, 16 CYLINDER, FOUR CYCLE, RICH BURN, NATURALLY ASPIRATED, 1564 BHP, WITH AUTOMATIC AIR TO FUEL RATIO CONTROLLER, DRIVING PUMP NO. 5 AT SECONDARY INFLUENT PUMP STATION, VENTED TO A THREE WAY CATALYST, MIRATECH, MODEL NO. EQ-453621X2-22-D2 OR EQUIVALENT.

**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.
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
- 3) THIS ENGINE SHALL BE FIRED ON NATURAL GAS ONLY. LPG MAY BE USED IN THE EVENT OF NATURAL GAS CURTAILMENT.  
[RULE 1303(a)(1)-BACT]
- 4) THIS ENGINE SHALL NOT BE OPERATED UNLESS IT IS VENTED TO A THREE WAY CATALYST THAT IS DESIGNED TO MAINTAIN THE EMISSIONS AT OR BELOW THE LEVELS DESCRIBED UNDER CONDITION NO. 9 OF THIS PERMIT.  
[RULE 1303(a)(1)-BACT][RULE 1110.2]
- 5) THIS ENGINE SHALL BE EQUIPPED WITH A NON-RESETTABLE TOTALIZING TIME METER TO DETERMINE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1110.2]
- 6) THIS ENGINE SHALL BE EQUIPPED WITH A TOTALIZING FUEL METER TO DETERMINE THE FUEL CONSUMPTION.  
[RULE 1110.2]
- 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 CONDITION AT ALL TIMES AS SPECIFIED BY THE MANUFACTURER.  
[RULE 1303(a)(1)][RULE 1110.2]
- 8) THE CATALYTIC CONVERTER TEMPERATURE (EXCEPT FOR STARTUP PERIODS) AND THE EXHAUST OXYGEN CONCENTRATION SHALL BE MAINTAINED AS SPECIFIED BY THE MANUFACTURER.  
[RULE 1303(a)(1)]



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- 9) EXCEPT DURING START-UP PERIODS, THE AFTER CONTROL EMISSIONS FROM THIS ENGINE SHALL NOT EXCEED THE FOLLOWING LIMITS:

POLLUTANT	GRAMS/BHP-HR	CONCENTRATION PPMV @ 15% O2 DRY ONE HOUR AVERAGE
CO	0.6	70.3
NOX (MEASURED AS NO2)	0.15	10.7
ROG (MEASURED AS CH4)	0.15	30.7

[RULE 1303(a)(1)]

- 10) A CONTINUOUS EMISSION MONITORING SYSTEM (CEMS) SHALL BE INSTALLED AND OPERATED TO MEASURE AND RECORD THE ENGINE EXHAUST CONCENTRATION FOR NOX AND O2 ON DRY BASIS. IN ADDITION THE SYSTEM SHALL CONVERT THE ACTUAL NOX CONCENTRATION TO A CORRECTED NOX CONCENTRATION AT 15% O2. PRIOR TO INSTALLATION, THIS MONITORING SYSTEM (CEMS) SHALL BE APPROVED BY THE AQMD IN WRITING. AN ALTERNATIVE OR PREDICTIVE MONITORING SYSTEM MAY BE SUBMITTED CONCURRENTLY WITH THE AFOREMENTIONED CEMS.  
[RULE 218][RULE 1110.2]
- 11) SAMPLING PORTS SHALL BE INSTALLED AND MAINTAINED IN THE EXHAUST STACK OF THE ENGINE AT THE DOWNSTREAM OF THE CATALYST. ADEQUATE AND SAFE ACCESS TO THE TEST PORTS SHALL BE PROVIDED.  
[RULE 217][RULE 1110.2][RULE 1303(a)(1)]
- 12) THE OWNER OR OPERATOR OF THE EQUIPMENT SHALL CONDUCT SOURCE TEST(S) UNDER THE FOLLOWING CONDITIONS:
- A. A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD AND IN COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TEST.
  - B. TWO COPIES OF A SOURCE TEST PROTOCOL SHALL BE SUBMITTED TO THE AQMD ENGINEER IDENTIFIED ON THE PERMIT TO CONSTRUCT OF THE TOXICS AND WASTE MANAGEMENT GROUP OF THE AQMD WITHIN 30 DAYS AFTER INITIAL START-UP, AND SHALL BE APPROVED BY AQMD BEFORE THE TEST COMMENCES. THE PROTOCOL SHALL INCLUDE PROPOSED OPERATING CONDITIONS OF THE EQUIPMENT DURING THE TEST, AND A DESCRIPTION OF ALL SAMPLING AND ANALYTICAL PROCEDURES TO BE USED.
  - C. SOURCE TESTING SHALL BE CONDUCTED WITHIN 60 CALENDAR DAYS AFTER NORMAL OPERATION OF THE EQUIPMENT HAS BEEN ESTABLISHED, BUT NO LATER THAN 180 DAYS AFTER INITIAL START-UP, AND EVERY THREE YEARS THEREAFTER, AT MAXIMUM LOAD.
  - D. TWO COPIES OF THE SOURCE TEST RESULTS SHALL BE SUBMITTED TO THE AQMD ENGINEER IDENTIFIED ON THE PERMIT TO CONSTRUCT WITHIN 60 DAYS OF THE TESTS. THE REPORT SHALL INCLUDE THE FOLLOWING:



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5. EXHAUST TEMPERATURE
6. EXHAUST MOISTURE
7. CO EMISSIONS (EXHAUST)
8. NOX EMISSIONS (AS NO<sub>2</sub>, EXHAUST)
9. NMHC EMISSIONS (AS CH<sub>4</sub>, EXHAUST)
10. OXYGEN (O<sub>2</sub>) (EXHAUST)
11. ACETALDEHYDE (EXHAUST, ONE ENGINE, ONE TIME)
12. FORMALDEHYDE (EXHAUST, ONE ENGINE, ONE TIME)
13. PAH (TOTAL) (EXHAUST, ONE ENGINE, ONE TIME)

THE REPORT SHALL PRESENT THE EMISSIONS DATA IN PARTS PER MILLION VOLUME (PPMV) AND POUNDS PER HOUR (LB/HR) ON A DRY BASIS. THE SOURCE TEST SHALL MEASURE NOX, CO, NMHC, AND O<sub>2</sub> USING AQMD APPROVED TEST METHODS.  
[RULE 1401][RULE 1110.2][RULE 1303(a)(1)]

**Emissions and Requirements:**

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

CO: 2000 PPM, RULE 1110.2  
CO: 70.3 PPMV OR 0.6 GRAM/BHP-H, 1303(a)(1)-BACT  
PM: RULE 404, SEE APPENDIX B FOR EMISSIONS LIMITS  
ROG: 250 PPM, RULE 1110.2  
ROG: 30.7 PPMV (CH<sub>4</sub>) OR 0.15 GRAM/BHP-H, 1303(a)(1)-BACT  
NOX: 36 PPM, RULE 1110.2  
NOX: 10.7 PPMV OR 0.15 GRAM/BHP-H, 1303(a)(1)-BACT



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO CONSTRUCT**

**A/N 401556  
Granted as of 6/27/2002**

**Equipment Description:**

ODOR CONTROL SYSTEM (SOUTH BIOFILTER) CONSISTING OF:

1. FOUR (4) BIOFILTER CELLS, EACH 100 FEET LONG, 60 FEET WIDE, AND 13 FEET HIGH (ONLY 8 FEET ABOVE THE GROUND), EACH CONTAINING 4-8 FEET OF WOOD CHIPS, TREE BARK, COMPOST AND/OR MULCH, EACH CELL WITH A WATER SPRAY SYSTEM.
2. ONE (1) INLET AIR HUMIDIFICATION SYSTEM.
3. EXHAUST SYSTEM WITH FIVE (5) BLOWERS (ONE STANDBY) , EACH 100 HP, 17,000 SCFM MAXIMUM CAPACITY, VENTING THE BIOSOLIDS STORAGE SILOS' CONVEYORS, AND BIOSOLIDS TRANSFER GALLERIES AT TRUCK LOADING STATIONS NO. 2 & 3.

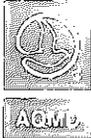
**Conditions:**

- 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) FLOWMETER(S) SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE TOTAL AIR FLOW TO THE ODOR CONTROL EQUIPMENT.  
[RULE 204]
- 4) THE TOTAL AIRFLOW TO THE ODOR CONTROL EQUIPMENT SHALL NOT EXCEED 68,000 SCFM.  
[RULE 204][RULE 1401]
- 5) THE BIOFILTER MEDIA IN EACH CELL SHALL BE MAINTAINED AT OPTIMAL MOISTURE CONDITIONS USING INLET AIR HUMIDIFICATION AND WATER SPRAY SYSTEM.  
[RULE 204][RULE 402][RULE 1401]
- 6) THE HUMIDIFICATION SYSTEM, BIOFILTER MEDIA, AND WATER SPRAY SYSTEM FOR EACH CELL SHALL BE MONITORED FOR OPERATIONAL INTEGRITY AT LEAST ONCE A WEEK.  
[RULE 204]



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- 7) H<sub>2</sub>S AND AMMONIA CONCENTRATIONS AT THE OUTLET OF THE BIOFILTER CELLS SHALL BE MEASURED AND RECORDED AT LEAST ONCE A MONTH. MEASUREMENTS SHALL BE TAKEN FROM AT LEAST FOUR LOCATIONS REPRESENTATIVE OF THE ENTIRE SURFACE FROM EACH OPERATING CELL, USING APPROVED PROCEDURES AND EQUIPMENT.  
[RULE 1401][RULE 204]
- 8) GRAB SAMPLES SHALL BE COLLECTED AT THE INLET AND THE OUTLET OF THE BIOFILTER ONCE WITHIN 180 DAYS OF THE START-UP, AND AT LEAST ONCE EVERY THREE YEARS THEREAFTER. THE SAMPLES SHALL BE COLLECTED AND ANALYZED FOR VOC, AMMONIA, AND SULFUR CONCENTRATIONS. THE SAMPLES SHALL ALSO BE SPECIATED FOR ORGANIC COMPOUNDS IN ACCORDANCE WITH THE APPROVED TEST METHODS. THE RESULTS SHALL BE MAINTAINED ON FILE AND MADE AVAILABLE TO THE SCAQMD PERSONNEL UPON REQUEST. THE OUTLET SAMPLES SHALL BE COLLECTED AT 12 GRID POINTS AT THE SURFACE OF AT LEAST ONE CELL.  
[RULE 1401]
- 9) IF THE EMISSIONS OF TOXICS AND POTENTIALLY TOXIC SUBSTANCES, INCLUDING AMMONIA AND H<sub>2</sub>S EXCEED THE CORRESPONDING VALUES USED IN THE HEALTH RISK ASSESSMENT FOR P/C EVALUATION, OR ANY OF THE OPERATING PARAMETERS USED IN THE HEALTH RISK ASSESSMENT ARE CHANGED WHICH WILL RESULT IN AN INCREASE IN GROUND LEVEL CONCENTRATIONS, THE OWNER/OPERATOR SHALL SUBMIT A REVISED HEALTH RISK ASSESSMENT FOR SCAQMD APPROVAL WITHIN 45 DAYS AFTER NOTICE IS GIVEN FOR SUCH PREPARATION, UNLESS OTHERWISE APPROVED IN WRITING BY THE SCAQMD.  
[RULE 1401]
- 10) THE OPERATOR SHALL MAINTAIN RECORDS INCLUDING BUT NOT LIMITED TO MONITORING AND TEST RESULTS DESCRIBED IN THIS PERMIT.  
[RULE 204]
- 11) RECORDS REQUIRED BY THIS PERMIT SHALL BE MAINTAINED ON FILE FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE SCAQMD PERSONNEL UPON REQUEST.  
[RULE 204]



**FACILITY PERMIT TO OPERATE  
LA CO. SANITATION DIST**

**PERMIT TO CONSTRUCT**

**A/N 401557  
Granted as of**

**Equipment Description:**

ODOR CONTROL SYSTEM (EAST BIOFILTER) CONSISTING OF:

1. FIVE (5) BIOFILTER CELLS, EACH 100 FEET LONG, 60 FEET WIDE, AND 13 FEET HIGH (ONLY 8 FEET ABOVE THE GROUND), EACH CONTAINING 4-8 FEET OF WOOD CHIPS, TREE BARK, COMPOST AND/OR MULCH, EACH CELL WITH A WATER SPRAY SYSTEM.
2. ONE (1) INLET AIR HUMIDIFICATION SYSTEM.
3. EXHAUST SYSTEM WITH SIX (6) BLOWERS (ONE STANDBY), EACH 100 HP, 17,600 SCFM MAXIMUM CAPACITY, VENTING THE BIOSOLIDS STORAGE SILOS, CONVEYOR ENCLOSURES, HOPPERS, AND TRUCK ENCLOSURE OF TRUCK LOADING STATION 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) FLOWMETER(S) SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE TOTAL AIR FLOW TO THE ODOR CONTROL EQUIPMENT.  
[RULE 204]
- 4) THE TOTAL AIRFLOW TO THE ODOR CONTROL EQUIPMENT SHALL NOT EXCEED 88,000 SCFM.  
[RULE 204][RULE 1401]
- 5) THE BIOFILTER MEDIA IN EACH CELL SHALL BE MAINTAINED AT OPTIMAL MOISTURE CONDITIONS USING INLET AIR HUMIDIFICATION AND WATER SPRAY SYSTEM.  
[RULE 204]RULE 402][RULE 1401]
- 6) THE HUMIDIFICATION SYSTEM, BIOFILTER MEDIA, AND WATER SPRAY SYSTEM FOR EACH CELL SHALL BE MONITORED FOR OPERATIONAL INTEGRITY AT LEAST ONCE A WEEK.  
[RULE 204]



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- 7) H<sub>2</sub>S AND AMMONIA CONCENTRATIONS AT THE OUTLET OF THE BIOFILTER CELLS SHALL BE MEASURED AND RECORDED AT LEAST ONCE A MONTH. MEASUREMENTS SHALL BE TAKEN FROM AT LEAST FOUR LOCATIONS REPRESENTATIVE OF THE ENTIRE SURFACE FROM EACH OPERATING CELL, USING APPROVED PROCEDURES AND EQUIPMENT.  
[RULE 1401][RULE 204]
- 8) GRAB SAMPLES SHALL BE COLLECTED AT THE INLET AND THE OUTLET OF THE BIOFILTER ONCE WITHIN 180 DAYS OF THE START-UP, AND AT LEAST ONCE EVERY THREE YEARS THEREAFTER. THE SAMPLES SHALL BE COLLECTED AND ANALYZED FOR VOC, AMMONIA, AND SULFUR CONCENTRATIONS. THE SAMPLES SHALL ALSO BE SPECIATED FOR ORGANIC COMPOUNDS IN ACCORDANCE WITH THE APPROVED TEST METHODS. THE RESULTS SHALL BE MAINTAINED ON FILE AND MADE AVAILABLE TO THE SCAQMD PERSONNEL UPON REQUEST. THE OUTLET SAMPLES SHALL BE COLLECTED AT 12 GRID POINTS AT THE SURFACE OF AT LEAST ONE CELL.  
[RULE 1401]
- 9) IF THE EMISSIONS OF TOXICS AND POTENTIALLY TOXIC SUBSTANCES, INCLUDING AMMONIA AND H<sub>2</sub>S EXCEED THE CORRESPONDING VALUES USED IN THE HEALTH RISK ASSESSMENT FOR P/C EVALUATION, OR ANY OF THE OPERATING PARAMETERS USED IN THE HEALTH RISK ASSESSMENT ARE CHANGED WHICH WILL RESULT IN AN INCREASE IN GROUND LEVEL CONCENTRATIONS, THE OWNER/OPERATOR SHALL SUBMIT A REVISED HEALTH RISK ASSESSMENT FOR SCAQMD APPROVAL WITHIN 45 DAYS AFTER NOTICE IS GIVEN FOR SUCH PREPARATION, UNLESS OTHERWISE APPROVED IN WRITING BY THE SCAQMD.  
[RULE 1401]
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[RULE 204]
- 11) RECORDS REQUIRED BY THIS PERMIT SHALL BE MAINTAINED ON FILE FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE SCAQMD PERSONNEL UPON REQUEST.  
[RULE 204]