

FACILITY PERMIT TO OPERATE LA CITY, TERMINAL ISLAND TREATMENT PLANT

Facility Equipment and Requirements (Section D)

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

FACILITY PERMIT TO OPERATE LA CITY, TERMINAL ISLAND TREATMENT PLANT

PERMITTED EQUIPMENT LIST

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

Application number	Permit number	Equipment description	Page No
152154	M55814	SPRAY EQUIPMENT OPEN ARCHITECTURAL	4
155345	M57560	SPRAY BOOTH PAINT AND SOLVENT	5
253069	D78700	DIGESTER GAS DESULFURIZATION SYSTEM	7
259789	D89982	FLARE, ENCLOSED DIGESTER GAS	8
274875	R-D74133	WASTE WATER SEPARATION	10
282988	D89555	APC SYSTEM, ACTIVATED CARBON	11
285145	D93654	I C E (50-500 HP) EMERGENCY DIESEL	13
285147	R-D95845	SPRAY MACHINE – COATING	14
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303447	D92845	SEWAGE TREATMENT (>5 MG/D) ANEROBIC	18
314263	F29318	ICE (50-500) N-EM PORT N-RENT DIESEL	20
314264	F29319	ICE (50-500) N-EM PORT N-RENT DIESEL	21
314265	F29320	ICE (50-500) N-EM PORT N-RENT DIESEL	22
314267	F30124	BOILER (<600,000 BTU/HR) DIESEL	23
314268	F30125	BOILER (<600,000 BTU/HR) DIESEL	24
314269	F30126	BOILER (<600,000 BTU/HR) DIESEL	25
347984	F32436	BOILER (<5 MMBTU/HR) PROCESS GAS	26
352960	F48753	I C E (>500 HP) NATURAL GAS	28
379365	F36349	ICE (>500 HP) EM ELEC GEN DIESEL	31
393799	F48950	BOILER (<=10 MMBTU/HR) DIG GAS	33
431421	F69119	ICE (>500 HP) EM ELEC GEN DIESEL	35
431432	F69120	ICE (>500 HP) EM ELEC GEN DIESEL	37
474645	PROPOSED	FLARE, ENCLOSED DIGESTER GAS	39

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 OR AFTER JUNE 1, 2004, A PERSON SHALL NOT PURCHASE ANY DIESEL FUEL FOR 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. PURCHASE RECORDS PROVIDING EVIDENCE OF SULFUR CONTENT OF THE FUELS CONSUMED SHALL BE MAINTAINED.
[RULE 431.2]

3. THIS FACILITY SHALL EMIT LESS THAN 5 POUNDS PER DAY OF TOTAL SULFUR COMPOUNDS CALCULATED AS H₂S FROM THE BURNING OF DIGESTER GAS.
[RULE 431.1]

4. 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]

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PERMIT TO OPERATE

Permit No. M55814
A/N 152154

Equipment Description:

OPEN SPRAY EQUIPMENT, GRACO, ULTRA 400, ELECTRONIC AIRLESS SPRAY GUN NO. 82081, SERIAL NO. 0868, WITH ONE 5 GALLON CONTAINER.

Conditions:

1. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS USED IN THIS EQUIPMENT SHALL NOT EXCEED 3 GALLONS IN ANY ONE DAY.
[RULE 1303(b)(2)-OFFSET]
2. THIS EQUIPMENT MUST BE OPERATED IN COMPLIANCE WITH RULE 1113.
[RULE 1113]

Periodic Monitoring:

3. 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 COATINGS.

FOR 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 COATINGS.
[RULE 3004 (a)(4)]

Emissions And Requirements:

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

VOC: RULE 109
VOC: RULE 1113, SEE APPENDIX B FOR EMISSION LIMITS
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

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PERMIT TO OPERATE

Permit No. M57560
A/N 155345

Equipment Description:

SPRAY BOOTH, SANDOVAL, MODEL NO. SB 1022, FLOOR TYPE, 10'-4" W. X 12'-2" L. X 10'-2" H., WITH THIRTY-SIX 20" X 20" EXHAUST FILTERS AND ONE 2-H.P. EXHAUST FAN.

Conditions:

1. THIS SPRAY BOOTH SHALL NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST 2 INCHES THICK.
[RULE 1303(a)(1)-BACT]
2. A GAUGE MUST BE INSTALLED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL SHALL NOT EXCEED 0.25 INCH OF WATER.
[RULE 1303(a)(1)-BACT]
3. 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 443]
4. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS USED IN THIS EQUIPMENT SHALL NOT EXCEED 1 GALLON IN ANY ONE DAY.
[RULE 204]
5. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO VERIFY DAILY USAGE. SUCH RECORDS SHALL BE RETAINED FOR A PERIOD OF FIVE YEARS.
[RULE 204]

Periodic Monitoring:

6. THE OPERATOR SHALL PERFORM A WEEKLY INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE AQMD, 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.

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[RULE 3004 (a)(4)]

7. THE OPERATOR SHALL DETERMINE AND RECORD THE PRESSURE DROP ACROSS THE FILTER ONCE EVERY WEEK.

[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 1136, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 109

PM: RULE 481

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

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PERMIT TO OPERATE

Permit No. D78700
A/N 253069

Equipment Description:

DIGESTER GAS HYDROGEN SULFIDE REMOVAL SYSTEM CONSISTING OF:

1. TWO PACKED SCRUBBERS, EACH 2'-6" D. X 13'-0" H., WITH A 2'-6" D. X 5'-0" H. PACKED SECTION WITH 1" BERL SADDLES, A 2'-6" D. X 3'-0" H. SCRUBBING SOLUTION RESERVOIR AT THE BASE SECTION, A 6" THICK 3/16 METEK MIST ELIMINATOR, TWO RECIRCULATING PUMPS AND TWO CHEMICAL FEED PUMPS.
2. TWO GAS BLOWERS, EACH 1 H.P.

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 CITY, TERMINAL ISLAND TREATMENT PLANT

PERMIT TO OPERATE

Permit No. D89982
A/N 259789

Equipment Description:

FLARE, DIGESTER GAS, STANDBY, COMBUSTION ENGINEERING-LINKLATER CORP., 800 SCFM MAXIMUM RATING, 7'-1" DIA. X 24'-11" H., WITH A HEX BURNER, AUTOMATIC IGNITION AND RE-START, FLARE FAILURE ALARM WITH AUTOMATIC FLARE SHUT-OFF, EXHAUST GAS TEMPERATURE INDICATOR, AND DIGESTER GAS FLOW INDICATOR.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS 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 EXCESS DIGESTER GAS NOT USED OR STORED SHALL BE BURNED IN THIS EQUIPMENT.
[RULE 1401; RULE 1303(a)(1)-BACT]
4. THIS EQUIPMENT SHALL BE EQUIPPED WITH A FLOW MEASURING DEVICE TO INDICATE THE VOLUME OF DIGESTER GAS BURNED PER DAY.
[RULE 1303(b)(2)-OFFSET]
5. THE TOTAL VOLUME OF DIGESTER GAS BURNED IN THIS EQUIPMENT SHALL NOT EXCEED 1.152 MILLION CUBIC FEET PER DAY (800 CUBIC FEET PER MINUTE).
[RULE 1303(b)(2)-OFFSET]
6. THIS EQUIPMENT SHALL BE EQUIPPED WITH A SHROUD WHICH WILL ENSURE COMPLETE FLAME RETENTION WITHIN THE SHROUD.
[RULE 1303(a)(1)-BACT]
7. THE FLARE SHALL BE EQUIPPED WITH A TEMPERATURE INDICATOR AND RECORDER WHICH MEASURES AND RECORDS THE GAS TEMPERATURE IN THE FLARE STACK. THE TEMPERATURE INDICATOR AND RECORDER SHALL OPERATE WHENEVER THE FLARE IS IN OPERATION.
[RULE 1303(a)(1)-BACT]
8. DURING OPERATION OF THIS EQUIPMENT, A TEMPERATURE OF NOT LESS THAN 1400 DEGREES FAHRENHEIT SHALL BE MAINTAINED IN THE FLARE STACK.
[RULE 1303(a)(1)-BACT]

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9. EITHER A PILOT FLAME OR DIGESTER GAS COMBUSTION FLAME SHALL BE MAINTAINED IN THIS EQUIPMENT WHENEVER THIS EQUIPMENT IS IN OPERATION.
[RULE 1303(a)(1)-BACT]
10. WITHIN 180 DAYS AND BI-ANNUALLY THEREAFTER, THE OPERATOR SHALL CONDUCT SOURCE TESTS IN ACCORDANCE WITH AQMD APPROVED PROCEDURES. A SOURCE TEST PROTOCOL SHALL BE SUBMITTED TO THE AQMD FOR WRITTEN APPROVAL 30 DAYS PRIOR TO TESTING. WRITTEN NOTIFICATION OF SUCH VERIFICATION TESTS SHALL BE PROVIDED TO THE AQMD AT LEAST 7 DAYS PRIOR TO THE TEST. A FINAL REPORT OF THE TEST RESULTS SHALL BE PROVIDED TO THE AQMD WITHIN 45 DAYS AFTER THE TESTING. THE SOURCE TESTS SHALL BE CONDUCTED UNDER NORMAL OPERATIONS AND SHALL INCLUDE BUT NOT BE LIMITED TO A TEST OF THE INLET DIGESTER GAS AND THE FLARE EXHAUST FOR:
- A. METHANE AND NON-METHANE HYDROCARBONS.
 - B. CARBON DIOXIDE AND CARBON MONOXIDE.
 - C. NO_x, EXHAUST ONLY.
 - D. SULFUR COMPOUNDS, INLET GAS ONLY.
 - E. OXYGEN, MOISTURE, AND FLOW RATES.
- [RULE 1303(b)(2)-OFFSET]
11. THIS FLARE SHALL NOT BE OPERATED FOR MORE THAN 3744 HOURS IN ANY TWELVE-MONTH PERIOD.
[RULE 1303(b)(2)-OFFSET]
12. THE OPERATOR SHALL MAINTAIN RECORDS OF THE DAILY H₂S CONTENT FOR THE DIGESTER GAS BURNED IN THIS EQUIPMENT. SUCH RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER UPON REQUEST.
[RULE 431.1]
13. WRITTEN RECORDS SHALL BE KEPT ON THE HOURS OF OPERATION OF THIS FLARE. THESE RECORDS SHALL BE KEPT FOR A PERIOD OF AT LEAST FIVE YEARS AND BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST,
[RULE 1303(b)(2)-OFFSET]

Emissions And Requirements:

14. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- CO: 2000 PPM, RULE 407
 - PM: 0.1 GRAIN/SCF, RULE 409
 - PM: RULE 404, SEE APPENDIX B FOR EMISSIONS LIMITS

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PERMIT TO OPERATE

Permit No. R-D74133
A/N 274875

Equipment Description:

INTERIM SLUDGE DEWATERING SYSTEM CONSISTING OF:

1. SLUDGE GRINDER, INLINE, 300 GPM, 10 H.P.
2. CENTRIFUGE, SOLID BOWL AND SCROLL, 300 GPM, 300 H.P.
3. TWO (2) SCREW CONVEYORS, SLUDGE CAKE, 1'-2" DIA., EACH.
4. POLYMER MIX/FEED SYSTEM WITH TWO POLYMER STORAGE TANKS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS 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 THE CARBON ADSORBER.
[RULE 402, 1303(a)(1)-BACT]
4. THE TOTAL AMOUNT OF DIGESTED SLUDGE PROCESSED SHALL NOT EXCEED 300 GALLONS PER MINUTE.
[RULE 1303(b)(2)-OFFSET]
5. DAILY RECORDS SHALL BE KEPT FOR A PERIOD OF AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1303(a)(1)-BACT; RULE 1303 (b)(2)-OFFSET]

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PERMIT TO OPERATE

Permit No. D89555
A/N 282988

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. CARBON ADSORBER, 2'-6" DIA. X 6'-0" H., 55 GALLON CAPACITY, 300 CFM, WITH 170 LBS. OF IMPREGNATED CARBON.
2. EXHAUST SYSTEM WITH A 1/2 H.P. BLOWER VENTING THE INTERIM SLUDGE DEWATERING 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 WHENEVER THE INTERIM SLUDGE DEWATERING SYSTEM IS IN OPERATION.
[RULE 402; RULE 1303(a)(1)-BACT]
4. A MECHANICAL GAUGE SHALL BE INSTALLED TO INDICATE, IN INCHES OF WATER COLUMN, THE PRESSURE DROP ACROSS THE CARBON ADSORBER.
[RULE 1303(a)(1)-BACT]
5. THE PRESSURE DROP ACROSS THE CARBON ADSORBER SHALL NOT EXCEED 1.6 INCHES OF WATER COLUMN.
[RULE 1303(a)(1)-BACT]
6. RECORDS OF OPERATING HOURS, DATES OF CARBON REPLACEMENT OR CARBON REGENERATION, FLOW RATES, AND OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT ON FILE FOR FIVE YEARS AND BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1303(a)(1)-BACT]

Periodic Monitoring:

7. THE H₂S EMISSIONS AT THE OUTLET OF THE CARBON ADSORBER SHALL NOT EXCEED 1 PPM.

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TO COMPLY WITH THIS CONDITION, THE OPERATOR SHALL MEASURE AND RECORD THE H₂S CONCENTRATION ONCE EVERY DAY.

[RULE 3004 (a)(4)]

8. THE OPERATOR SHALL CHANGE OVER THE CARBON IN THE ADSORBER WHENEVER BREAKTHROUGH OCCURS. FOR THE PURPOSE OF THIS CONDITION, BREAKTHROUGH OCCURS WHEN THE HYDROCARBON MONITOR READING INDICATES A CONCENTRATION OF 1.0 PPMV AT THE OUTLET.
[RULE 3004 (a)(4)]

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PERMIT TO OPERATE

Permit No. D93654
A/N 285145

Equipment Description:

INTERNAL COMBUSTION ENGINE, PORTABLE, DEUTZ, MODEL F4L912, FOUR CYLINDER 66 H.P., SERIAL NO. 8286307, NATURALLY ASPIRATED, DIESEL FIRED, DRIVING AN EMERGENCY PUMP.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS 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 OPERATING TIME METER SHALL BE INSTALLED FOR THIS ENGINE.
[RULE 1304(a)(4)][RULE 1110.2]
4. THIS EQUIPMENT SHALL NOT OPERATE MORE THAN 199 HOURS PER YEAR.
[RULE 1304(a)(4)][RULE 1110.2]
5. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO VERIFY YEARLY OPERATING TIME. SUCH RECORDS SHALL BE MAINTAINED ON A FORM APPROVED IN WRITING BY THE AQMD AND BE MAINTAINED FOR A PERIOD OF NOT LESS THAN FIVE YEARS AND BE MADE AVAILABLE TO THE AQMD UPON REQUEST.
[RULE 204]
6. THIS ENGINE SHALL MAINTAIN THE IGNITION RETARDED BY FOUR DEGREES WITH RESPECT TO STANDARD.
[RULE 1303(a)(1)-BACT]

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

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PERMIT TO OPERATE

Permit No. R-D95845
A/N 285147

Equipment Description:

OPEN SPRAY EQUIPMENT, GRACO, MODEL ULTRA 750, AIRLESS.

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. THE EMISSION FROM THIS EQUIPMENT SHALL NOT EXCEED 103 POUNDS OF VOC IN ANY 30 DAY PERIOD.
[RULE 1303(b)(2)-OFFSET]
4. THE OPERATOR SHALL KEEP RECORDS IN ACCORDANCE WITH THE REQUIREMENTS OF RULE 109 (RECORDKEEPING FOR VOLATILE ORGANIC COMPOUND EMISSIONS). SUCH RECORDS SHALL BE RETAINED FOR A PERIOD OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO ANY AQMD REPRESENTATIVE UPON REQUEST.
[RULE 109; RULE 1303(b)(2)-OFFSET]
5. WITHIN 14 CALENDAR DAYS AFTER THE END OF EACH MONTH, THE OPERATOR SHALL TOTAL AND RECORD VOC EMISSIONS FOR THE MONTH FROM ALL PERMITTED EQUIPMENT COVERED BY THE MONTHLY LIMIT. THE RECORD SHALL INCLUDE ANY PROCEDURES USED TO ACCOUNT FOR CONTROL DEVICE EFFICIENCIES AND/OR WASTE DISPOSAL. IT SHALL BE SIGNED AND CERTIFIED FOR ACCURACY BY THE HIGHEST RANKING MANAGEMENT OFFICIAL WITH RESPONSIBILITY FOR OPERATION OF EQUIPMENT SUBJECT TO THE PERMIT.
[RULE 109; RULE 1303(b)(2)-OFFSET]
6. THE OPERATOR SHALL MAINTAIN A SINGLE LIST WHICH INCLUDES ONLY THE NAME AND ADDRESS OF EACH PERSON FROM WHOM THE FACILITY ACQUIRED VOC-CONTAINING MATERIAL REGULATED BY THE AQMD THAT WAS USED OR STORED AT THE FACILITY DURING THE PRECEDING 12 MONTHS.
[RULE 109; RULE 1303(b)(2)-OFFSET]
7. THE OPERATOR SHALL RETAIN ALL PURCHASE INVOICES FOR ALL VOC-CONTAINING MATERIAL USED OR STORED AT THE FACILITY, AND ALL WASTE MANIFESTS FOR ALL WASTE VOC-CONTAINING MATERIAL REMOVED FROM THE FACILITY, FOR FIVE YEARS.
[RULE 109; RULE 1303(b)(2)-OFFSET]

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Periodic Monitoring:

8. 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 COATINGS.

FOR 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 COATINGS.

[RULE 3004 (a)(4)]

Emissions And Requirements:

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

VOC: RULE 109

VOC: RULE 1107, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1113, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1136, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

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PERMIT TO OPERATE

**Permit No. R-D95846
A/N 285148**

Equipment Description:

OPEN SPRAY EQUIPMENT, GRACO, MODEL GH533, AIRLESS.

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. THE EMISSION FROM THIS EQUIPMENT SHALL NOT EXCEED 103 POUNDS OF VOC IN ANY 30 DAY PERIOD.
[RULE 1303(b)(2)-OFFSET]
4. THE OPERATOR SHALL KEEP RECORDS IN ACCORDANCE WITH THE REQUIREMENTS OF RULE 109 (RECORDKEEPING FOR VOLATILE ORGANIC COMPOUND EMISSIONS). SUCH RECORDS SHALL BE RETAINED FOR A PERIOD OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO ANY AQMD REPRESENTATIVE UPON REQUEST.
[RULE 109; RULE 1303(b)(2)-OFFSET]
5. WITHIN 14 CALENDAR DAYS AFTER THE END OF EACH MONTH, THE OPERATOR SHALL TOTAL AND RECORD VOC EMISSIONS FOR THE MONTH FROM ALL PERMITTED EQUIPMENT COVERED BY THE MONTHLY LIMIT. THE RECORD SHALL INCLUDE ANY PROCEDURES USED TO ACCOUNT FOR CONTROL DEVICE EFFICIENCIES AND/OR WASTE DISPOSAL. IT SHALL BE SIGNED AND CERTIFIED FOR ACCURACY BY THE HIGHEST RANKING MANAGEMENT OFFICIAL WITH RESPONSIBILITY FOR OPERATION OF EQUIPMENT SUBJECT TO THE PERMIT.
[RULE 109; RULE 1303(b)(2)-OFFSET]
6. THE OPERATOR SHALL MAINTAIN A SINGLE LIST WHICH INCLUDES ONLY THE NAME AND ADDRESS OF EACH PERSON FROM WHOM THE FACILITY ACQUIRED VOC-CONTAINING MATERIAL REGULATED BY THE AQMD THAT WAS USED OR STORED AT THE FACILITY DURING THE PRECEDING 12 MONTHS.
[RULE 109; RULE 1303(b)(2)-OFFSET]
7. THE OPERATOR SHALL RETAIN ALL PURCHASE INVOICES FOR ALL VOC-CONTAINING MATERIAL USED OR STORED AT THE FACILITY, AND ALL WASTE MANIFESTS FOR ALL WASTE VOC-CONTAINING MATERIAL REMOVED FROM THE FACILITY, FOR FIVE YEARS.
[RULE 109; RULE 1303(b)(2)-OFFSET]

FACILITY PERMIT TO OPERATE LA CITY, TERMINAL ISLAND TREATMENT PLANT

Periodic Monitoring:

8. 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 COATINGS.
- FOR 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 COATINGS.
- [RULE 3004 (a)(4)]

Emissions And Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- VOC: RULE 109
VOC: RULE 1107, SEE APPENDIX B FOR EMISSION LIMITS
VOC: RULE 1113, SEE APPENDIX B FOR EMISSION LIMITS
VOC: RULE 1136, SEE APPENDIX B FOR EMISSION LIMITS
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE LA CITY, TERMINAL ISLAND TREATMENT PLANT

PERMIT TO OPERATE

Permit No. D92845
A/N 303447

Equipment Description:

SEWAGE TREATMENT PLANT, 30 MGD, CONSISTING OF:

1. HEADWORKS STATION WITH TWO BAR SCREENS, THREE COVERED GRIT COLLECTORS, A GRIT HOPPER, A VENTURI METER AND ASSOCIATED BLOWERS AND PUMPS.
2. SIX PRIMARY SEDIMENTATION TANKS, COVERED, EACH 20'-0" W. X 250'-0" L. X 15'-0" TO 22'-0" H., WITH A SLUDGE GRINDER AND ASSOCIATED PUMPS.
3. NINE AERATION TANKS, EACH 30'-0" W. X 300'-0" L. X 15'-0" H., WITH ASSOCIATED BLOWERS AND PUMPS.
4. EIGHTEEN FINAL SEDIMENTATION TANKS, EACH 20'-0" W. X 150'-0" L. X 15'-0" H., WITH ASSOCIATED PUMPS.
5. DISSOLVED AIR FLOATION THICKENER, 40'-0" DIA. X 15'-0" H., OPEN TOP, WITH ASSOCIATED PUMPS.
6. SLUDGE BLENDING TANK, 40'-0" DIA. X 15'-0" H., COVERED, WITH AN AGITATOR AND ASSOCIATED PUMPS.
7. FOUR ANAEROBIC DIGESTERS, EACH 65'-0" DIA. X 90'-0" H., 1,375,000 GALLON CAPACITY EACH, WITH ASSOCIATED HEATING EQUIPMENT, COMPRESSORS AND PUMPS.
8. THREE SLUDGE CENTRIFUGES, SOLID BOWL TYPE, INGERSOLL RAND, WITH A GRINDER AND ASSOCIATED CONVEYORS AND STORAGE TANKS.
9. POLYMER STATION WITH ASSOCIATED BLENDEERS, STORAGE TANKS AND PUMPS.
10. SIXTEEN FILTER TANKS, OPEN, EACH 10'-0" W. X 60'-0" L. X 31'-0" H., WITH WASTE BACKWASH COLLECTION CHANNEL.
11. FILTER CLEARWELL, COVERED, 15'-0" W. X 168'-0" L. X 26'-0" H.
12. WASTE BACKWASH TANK, COVERED, 15'-0" W. X 168'-0" L. X 26'-0" H., WITH ASSOCIATED PUMPS AND BLOWERS.
13. EFFLUENT FLOW CHANNEL, 7'-0" W. X 8'-0" H. X 1200'-0" L. WITH ASSOCIATED PUMPS.
14. LOW PRESSURE DIGESTER GAS HOLDING TANK, 37'-0" DIA. X 20'-0" H., WITH ASSOCIATED COMPRESSORS.
15. HIGH PRESSURE DIGESTER GAS HOLDING TANK, SPHERICAL, 37'-0" DIA.

FACILITY PERMIT TO OPERATE LA CITY, TERMINAL ISLAND TREATMENT PLANT

16. FERROUS CHLORIDE STORAGE TANK, 7000 GALLON CAPACITY, WITH ASSOCIATED PUMPS.
17. CHLORINATION STATION WITH EVAPORATORS, CHLORINATORS, STORAGE 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 THIS PERMIT IS ISSUED UNLESS 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 H₂S FROM THE DIGESTERS AND/OR THE H₂S REMOVAL SYSTEM SHALL NOT EXCEED 500 PPMV AT ANY TIME.
[RULE 407]
4. THE TOTAL DAILY INJECTION (GALLONS PER DAY) OF FERROUS CHLORIDE SOLUTION INTO THE PROCESS, THE TOTAL DAILY VOLUME OF SLUDGE FED INTO THE DIGESTERS, AND THE AMOUNT OF DIGESTER GAS PRODUCED SHALL BE RECORDED.
[RULE 1303 (b)(2)-OFFSET]
5. THE MAXIMUM QUANTITY OF WASTEWATER TREATED BY THIS EQUIPMENT SHALL NOT EXCEED 30 MILLION GALLONS PER DAY EXCEPT DURING WET WEATHER PERIODS.
[RULE 1303(b)(2)-OFFSET]
6. DAILY RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH CONDITIONS 3, & 4 ABOVE SHALL BE KEPT FOR A PERIOD OF AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1303 (b)(2)-OFFSET]

FACILITY PERMIT TO OPERATE LA CITY, TERMINAL ISLAND TREATMENT PLANT

PERMIT TO OPERATE

**Permit No. F29318
A/N 314263**

Equipment Description:

INTERNAL COMBUSTION ENGINE, EPA NON-ROAD, JOHN DEERE, MODEL NO. 4039D, DIESEL OIL FUELED, COMPRESSOR DRIVER, SERIAL NO. CD4039D168231, 4 CYLINDERS, NATURALLY ASPIRATED, 71 BHP.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. A NON-RESETTABLE TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[40CFR PART 89]
4. THIS ENGINE SHALL NOT REMAIN AT ONE LOCATION FOR A PERIOD LONGER THAN 12 CONSECUTIVE MONTHS. LOCATION MEANS ANY SITE AT A BUILDING, STRUCTURE, FACILITY
[40CFR PART 89]
5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION AND THE ELAPSED TIME, IN HOURS, SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[40CFR PART 89]

Emissions And Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE LA CITY, TERMINAL ISLAND TREATMENT PLANT

PERMIT TO OPERATE

**Permit No. F293319
A/N 314264**

Equipment Description:

INTERNAL COMBUSTION ENGINE, EPA NON-ROAD, JOHN DEERE, MODEL NO. 4039D, DIESEL OIL FUELED, COMPRESSOR DRIVER, SERIAL NO. CD4039D168227, 4 CYLINDERS, NATURALLY ASPIRATED, 71 BHP.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. A NON-RESETTABLE TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[40CFR PART 89]
4. THIS ENGINE SHALL NOT REMAIN AT ONE LOCATION FOR A PERIOD LONGER THAN 12 CONSECUTIVE MONTHS. LOCATION MEANS ANY SITE AT A BUILDING, STRUCTURE, FACILITY OR INSTALLATION.
[40CFR PART 89]
5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION AND THE ELAPSED TIME, IN HOURS, SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF TWO YEARS AND
[40CFR PART 89]

Emissions And Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE LA CITY, TERMINAL ISLAND TREATMENT PLANT

PERMIT TO OPERATE

**Permit No. F293320
A/N 314265**

Equipment Description:

INTERNAL COMBUSTION ENGINE, EPA NON-ROAD, DEUTZ, MODEL NO. F4L912, DIESEL OIL FUELED, PUMP DRIVER, SERIAL NO. 8381512, 4 CYLINDERS, NATURALLY ASPIRATED, 66 BHP.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. A NON-RESETTABLE TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[40CFR PART 89]
4. THIS ENGINE SHALL NOT REMAIN AT ONE LOCATION FOR A PERIOD LONGER THAN 12 CONSECUTIVE MONTHS. LOCATION MEANS ANY SITE AT A BUILDING, STRUCTURE, FACILITY OR INSTALLATION.
[40CFR PART 89]
5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION AND THE ELAPSED TIME, IN HOURS, SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[40CFR PART 89]

Emissions And Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE LA CITY, TERMINAL ISLAND TREATMENT PLANT

PERMIT TO OPERATE

Permit No. F30124
A/N 314267

Equipment Description:

BOILER, HOTSY EQUIPMENT CO., WATERTUBE TYPE, HIGH TEMPERATURE CLEANING, MODEL NO. 1040B, SERIAL NO. H11500-0688, WITH ONE DIESEL FUEL OIL BURNER, 385,000 BTU/HR.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE DAILY FUEL USAGE FOR THIS EQUIPMENT SHALL NOT EXCEED 24 GALLONS.
[RULE 1303(b)(2)-OFFSET]
4. RECORDS SHALL BE KEPT AND MAINTAINED TO PROVE COMPLIANCE WITH CONDITION NUMBER 3. THE RECORDS SHALL BE KEPT ON FILE FOR A MINIMUM OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1303(b)(2)-OFFSET]

Emissions And Requirements:

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

CO: 2000 PPM, RULE 407
PM: 0.1 GRAIN/SCFf, RULE 409
SOx: 500 PPMV, RULE 407

FACILITY PERMIT TO OPERATE LA CITY, TERMINAL ISLAND TREATMENT PLANT

PERMIT TO OPERATE

**Permit No. F30125
A/N 314268**

Equipment Description:

BOILER, HOTSY EQUIPMENT CO., WATERTUBE TYPE, HIGH TEMPERATURE CLEANING, MODEL NO. 1260, SERIAL NO. H27315-1293, WITH ONE DIESEL FUEL OIL BURNER, 420,000 BTU/HR.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE DAILY FUEL USAGE FOR THIS EQUIPMENT SHALL NOT EXCEED 24 GALLONS.
[RULE 1303(b)(2)-OFFSET]
4. RECORDS SHALL BE KEPT AND MAINTAINED TO PROVE COMPLIANCE WITH CONDITION NUMBER 3. THE RECORDS SHALL BE KEPT ON FILE FOR A MINIMUM OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1303(b)(2)-OFFSET]

Emissions And Requirements:

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

CO: 2000 PPM, RULE 407
PM: 0.1 GRAIN/SCF, RULE 409
SOx: 500 PPMV, RULE 407

FACILITY PERMIT TO OPERATE LA CITY, TERMINAL ISLAND TREATMENT PLANT

PERMIT TO OPERATE

**Permit No. F30126
A/N 314269**

Equipment Description:

BOILER, HOTSY EQUIPMENT CO., WATERTUBE TYPE, HIGH TEMPERATURE CLEANING, MODEL NO. 1040B, WITH ONE DIESEL FUEL OIL BURNER, 385,000 BTU/HR.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE DAILY FUEL USAGE FOR THIS EQUIPMENT SHALL NOT EXCEED 24 GALLONS.
[RULE 1303(b)(2)-OFFSET]
4. RECORDS SHALL BE KEPT AND MAINTAINED TO PROVE COMPLIANCE WITH CONDITION NUMBER 3. THE RECORDS SHALL BE KEPT ON FILE FOR A MINIMUM OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1303(b)(2)-OFFSET]

Emissions And Requirements:

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

CO: 2000 PPM, RULE 407
PM: 0.1 GRAIN/SCF, RULE 409
SO_x: 500 PPMV, RULE 407

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PERMIT TO OPERATE

Permit No. F32436
A/N 347984

Equipment Description:

BOILER, CLEAVER-BROOKS, WATERTUBE TYPE, MODEL NO. CB700X-100, SERIAL NO. L63298, WITH A FLUE GAS RECIRCULATION SYSTEM AND ONE BURNER, CLEAVER-BROOKS, 4.2 MM BTU/HR DIGESTER GAS/NATURAL GAS FIRED.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE TOTALIZING FLOW INDICATOR AND RECORDER TO MEASURE AND RECORD THE AMOUNT OF EACH FUEL TYPE (DIGESTER GAS AND NATURAL GAS) USED IN THIS EQUIPMENT.
[RULE 1303(b)(2)-OFFSET]
4. THE OPERATOR SHALL TUNE THIS BOILER AT LEAST TWICE PER YEAR IN ACCORDANCE WITH RULE 1146.1 AND IN ACCORDANCE WITH THE MANUFACTURER'S PROCEDURES.
[RULE 1146.1]
5. THE OPERATOR SHALL MAINTAIN RECORDS ON THE DAILY DIGESTER GAS FUEL USAGE AND FUEL H₂S CONTENT FOR THIS EQUIPMENT. SUCH RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER UPON REQUEST.
[RULE 431.1]
6. RECORDS SHALL BE KEPT AND MAINTAINED TO DEMONSTRATE COMPLIANCE WITH ALL PERMIT CONDITIONS. THE RECORDS SHALL BE KEPT ON FILE FOR A MINIMUM FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE AQMD UPON REQUEST.
[RULES 431.1; RULE 1146.1; RULE 1303(b)(2)-OFFSET]

Periodic Monitoring:

7. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE CO EMISSION LIMIT(S) BY CONDUCTING A TEST AT LEAST ONCE EVERY FIVE YEARS USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD OR , IF NOT AVAILABLE, A NON-AQMD APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER

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NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 1146.1 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.

[RULE 3004 (a)(4)]

8. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE NOX EMISSION LIMIT(S) BY CONDUCTING A TEST AT LEAST ONCE EVERY FIVE YEARS USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD OR , IF NOT AVAILABLE, A NON-AQMD APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 1146.1 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.

[RULE 3004 (a)(4)]

Emissions And Requirements:

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

CO: 2000 PPM, RULE 407
CO: 400 PPM @3% O2, RULE 1146.1
NOx: 30 PPM @3% O2, RULE 1146.1
PM: 0.1 GRAIN/SCF, RULE 409

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PERMIT TO OPERATE

**Permit No. F48753
A/N 352960**

Equipment Description:

INTERNAL COMBUSTION ENGINE NO. 3., SPARK IGNITED V-12, SUPERIOR, MODEL NO. 12G-825, SERIAL NO. 270969, 925 H.P. NATURAL GAS FIRED, WITH CATALYTIC CONVERTER, EQUINOX, MODEL NO. EQ-1250-12-D2, AND AN AIR TO FUEL RATIO CONTROLLER, DRIVING AN 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.
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]
5. THIS ENGINE SHALL BE EQUIPPED WITH A NON-RESETTABLE TOTALIZING TIME METER TO DETERMINE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1110.2(f)(1)]
6. THIS ENGINE SHALL BE EQUIPPED WITH A TOTALIZING FUEL METER TO DETERMINE THE FUEL CONSUMPTION.
[1110.2 (f)(1)]
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)-BACT]
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)-BACT]

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

POLLUTANT	PPMV, DRY, 15% O2
CO	64
NOX (MEASURED AS NO2)	10
ROG (MEASURED AS CH4)	28

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

10. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE AQMD RULE 1110.2.
[RULE 1110.2]
11. AT LEAST ONCE EVERY THREE YEARS THE OWNER OR OPERATOR OF THIS 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. SOURCE TESTS SHALL BE CONDUCTED AT MAXIMUM LOAD USING AQMD APPROVED TEST METHODS.
 - C. A SOURCE TEST REPORT SHALL BE PREPARED AND MAINTAINED ON FILE. THE REPORT SHALL INCLUDE THE DATA LISTED BELOW:
 - 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)
- THE REPORT SHALL PRESENT THE EMISSIONS DATA IN PARTS PER MILLION VOLUME (PPMV), DRY, CORRECTED TO 15% O2.
[RULE 1110.2 (f)(1), 1110.2 (g), 1303(a)(1)-BACT]
12. THE RECORDS REQUIRED BY THIS PERMIT SHALL BE MAINTAINED ON FILE FOR MINIMUM OF 5 YEARS AND BE MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.
[RULE 3004(a)(4)]

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Periodic Monitoring:

13. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE OXYGEN CONCENTRATION DOES NOT EXCEED 0.3 PERCENT. TO COMPLY WITH THIS CONDITION, THE OPERATOR SHALL USE A SENSOR TO ACCURATELY INDICATE THE OXYGEN CONCENTRATION AT THE OUTLET OF THE ENGINE. THE OPERATOR SHALL ALSO INSTALL AND MAINTAIN A DEVICE TO CONTINUOUSLY RECORD THE PARAMETER BEING MEASURED.
[RULE 3004 (a)(4)]
14. THE OPERATOR SHALL INSTALL AND MAINTAIN A TEMPERATURE GAUGE TO ACCURATELY INDICATE THE TEMPERATURE AT THE INLET OF THE CATALYST. THE OPERATOR SHALL ALSO INSTALL AND MAINTAIN A DEVICE TO CONTINUOUSLY RECORD THE PARAMETER BEING MEASURED. THE TEMPERATURE AT THE INLET OF THE CATALYST SHALL NOT BE LESS THAN 750 DEGREE FAHRENHEIT EXCEPT DURING AN ENGINE COLD START NOT TO EXCEED 30 MINUTES.
[RULE 3004 (a)(4)]
15. THE OPERATOR SHALL INSTALL AND MAINTAIN A TEMPERATURE GAUGE TO ACCURATELY INDICATE THE TEMPERATURE AT THE OUTLET OF THE CATALYST. THE OPERATOR SHALL ALSO INSTALL AND MAINTAIN A DEVICE TO CONTINUOUSLY RECORD THE PARAMETER BEING MEASURED. THE TEMPERATURE AT THE AT THE OUTLET OF THE CATALYST SHALL NOT EXCEED 1350 DEGREES FAHRENHEIT.
[RULE 3004 (a)(4)]

Emissions And Requirements:

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

CO: 2000 PPM, RULE 1110.2
PM: RULE 404, SEE APPENDIX B FOR EMISSIONS LIMITS
ROG: 250 PPM @ 25% EFFICIENCY, RULE 1110.2
NOX: 36 PPM @ 25% EFFICIENCY, RULE 1110.2

FACILITY PERMIT TO OPERATE LA CITY, TERMINAL ISLAND TREATMENT PLANT

PERMIT TO OPERATE

Permit No. F36349
A/N 379365

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, MODEL NO. 3412DITA, DIESEL FUELED, EMERGENCY ELECTRICAL GENERATION, SERIAL NO. 81Z02256, 12 CYLINDERS, TURBOCHARGED, AFTERCOOLED, 890 BHP.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 199 HOURS IN ANY ONE YEAR.
[RULE 1304]
5. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO STANDARD TIMING.
[RULE 1303(a)(1)]
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 AQMD PERSONNEL UPON REQUEST.
[RULE 204][RULE 1304][RULE 3004(a)(4)]
7. THIS ENGINE SHALL ONLY BE FIRED ON LOW SULFUR DIESEL FUEL CONTAINING NO MORE THAN 0.015% SULFUR BY WEIGHT.
[RULE 1470]
8. THE MAXIMUM OPERATING TIME FOR TESTING AND MAINTENANCE FOR THIS ENGINE SHALL NOT EXCEED 20 HOURS PER YEAR.
[RULE 1470]

FACILITY PERMIT TO OPERATE LA CITY, TERMINAL ISLAND TREATMENT PLANT

Emissions And Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSIONS LIMITS
PM: RULE 1470
CO: 8.5 GRAM/BHP-HR, RULE 1303(a)(1)-BACT
NOX: 6.9 GRAM/BHP-HR, RULE 1303(a)(1)-BACT
VOC 1.0 GRAM/BHP-HR, RULE 1303(a)(1)-BACT
PM 0.38 GRAM/BHP-HR, RULE 1303(a)(1)-BACT

FACILITY PERMIT TO OPERATE LA CITY, TERMINAL ISLAND TREATMENT PLANT

PERMIT TO OPERATE

**Permit No. F48950
A/N 393799**

Equipment Description:

BOILER, CLEAVER-BROOKS, FIRE TUBE, FORCED DRAFT, MODEL CEW700-250, WITH AN ALZETA, MODEL CSB 105, LOW NOX BURNER, 9.95 MMBTU/HR, DIGESTER GAS AND NATURAL GAS FIRED.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE TOTAL HEAT INPUT TO THIS BOILER SHALL NOT EXCEED 9.95 MMBTU PER HOUR.
[RULE 1303(b)(1), 1303(b)(2)]
4. THIS BOILER SHALL BE FIRED ON DIGESTER GAS AND/OR NATURAL GAS ONLY.
[RULE 1303(a)(1)-BACT]
5. WHEN FIRING NATURAL GAS, THIS BOILER SHALL EMIT NO MORE THAN 12 PPMV FOR OXIDES OF NITROGEN (NOX), CALCULATED AS NO₂, AND 50 PPMV OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% OXYGEN, AND AVERAGED OVER 15 MINUTES.
[RULE 1303(a)(1)-BACT]
6. WHEN FIRING DIGESTER GAS, THIS BOILER SHALL EMIT NO MORE THAN 30 PPMV FOR OXIDES OF NITROGEN (NOX), CALCULATED AS NO₂, AND 50 PPMV OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% OXYGEN, AND AVERAGED OVER 15 MINUTES.
[RULE 1303(a)(1)-BACT]
7. DAILY RECORDS OF THE FUEL GAS CONSUMPTION, AND FUEL TYPE, SHALL BE KEPT AND MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.
[RULE 1303(a)(1), 3004(a)(4)]
8. SAMPLING PORTS SHALL BE INSTALLED AND MAINTAINED IN THE EXHAUST STACK OF THE BOILER. ADEQUATE AND SAFE ACCESS TO THE TEST PORTS SHALL BE PROVIDED.
[RULE 1146, 1303(a)(1)]
9. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT FOR A MINIMUM OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE SCAQMD PERSONNEL UPON REQUEST.
[RULE 3004(a)(4)]

FACILITY PERMIT TO OPERATE LA CITY, TERMINAL ISLAND TREATMENT PLANT

Emissions And Requirements:

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

CO: 2000 PPM, RULE 407
CO: 400 PPMV, RULE 1146
CO: 50 PPMV, RULE 1303(a)(1)
NOx: 40 PPMV, RULE 1146
NOX: 30 PPMV, DIGESTER GAS, RULE 1303(a)(1)
NOX: 12 PPMV, NATURAL GAS, RULE 1303(a)(1)
PM: 0.1 GRAIN/SCF, RULE 409
SOX: 500 PPMV, RULE 409

FACILITY PERMIT TO OPERATE LA CITY, TERMINAL ISLAND TREATMENT PLANT

PERMIT TO OPERATE

**Permit No. F69119
A/N 431421**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, 12 CYLINDER "TURBOCHARGED, AFTERCOOLED, MODEL 3512B DITA(2155BHP), SERIAL NUMBER CMC00905, 2155 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 1110.2][RULE 1304][RULE1470]
4. 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 1304][RULE 1470]
5. THIS ENGINE SHALL NOT OPERATE MORE THAN 199 HOURS IN ANY ONE YEAR.
[RULE 1110.2][RULE 1304]
6. THIS ENGINE SHALL ONLY BE FIRED ON LOW SULFUR DIESEL FUEL CONTAINING NO MORE THAN 0.015% SULFUR BY WEIGHT.
[RULE 1470]
7. THE MAXIMUM OPERATING TIME FOR TESTING AND MAINTENANCE FOR THIS ENGINE SHALL NOT EXCEED 20 HOURS PER YEAR.
[RULE 1470]

FACILITY PERMIT TO OPERATE LA CITY, TERMINAL ISLAND TREATMENT PLANT

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
CO: 8.5 GRAM/BHP-HR, RULE 1303(a)(1)-BACT
NOX: 6.9 GRAM/BHP-HR, RULE 1303(a)(1)-BACT
VOC 1.0 GRAM/BHP-HR, RULE 1303(a)(1)-BACT
PM 0.38 GRAM/BHP-HR, RULE 1303(a)(1)-BACT

FACILITY PERMIT TO OPERATE LA CITY, TERMINAL ISLAND TREATMENT PLANT

PERMIT TO OPERATE

Permit No. F69120
A/N 431432

Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, 12 CYLINDER "TURBOCHARGED, AFTERCOOLED, MODEL 3512B DITA(2155BHP), SERIAL NUMBER CMC00904, 2155 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 1110.2][RULE 1304][RULE 1470]
4. 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 1304][RULE 1470]
5. THIS ENGINE SHALL NOT OPERATE MORE THAN 199 HOURS IN ANY ONE YEAR.
[RULE 1304]
6. THIS ENGINE SHALL ONLY BE FIRED ON LOW SULFUR DIESEL FUEL CONTAINING NO MORE THAN 0.015% SULFUR BY WEIGHT.
[RULE 1470][RULE 1110.2]
7. THE MAXIMUM OPERATING TIME FOR TESTING AND MAINTENANCE FOR THIS ENGINE SHALL NOT EXCEED 20 HOURS PER YEAR.
[RULE 1470]

FACILITY PERMIT TO OPERATE LA CITY, TERMINAL ISLAND TREATMENT PLANT

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
CO: 8.5 GRAM/BHP-HR, RULE 1303(a)(1)-BACT
NOX: 6.9 GRAM/BHP-HR, RULE 1303(a)(1)-BACT
VOC 1.0 GRAM/BHP-HR, RULE 1303(a)(1)-BACT
PM 0.38 GRAM/BHP-HR, RULE 1303(a)(1)-BACT

FACILITY PERMIT TO OPERATE LA CITY, TERMINAL ISLAND TREATMENT PLANT

PERMIT TO OPERATE

Permit No.
A/N 474645

Equipment Description:

FLARE STATION, CONSISTING OF:

TWO FLARES, COMBUSTION ENGINEERING-LINKLATER CORP., MODEL GF-3000, EACH 400 SCFM, TOTAL OF 800 SCFM, 7'-1" DIA. X 24'-11" H., EACH WITH A HEX BURNER, AUTOMATIC IGNITION AND RE- START, FLARE FAILURE ALARM WITH AUTOMATIC FLARE SHUT-OFF, EXHAUST GAS TEMPERATURE INDICATOR, AND DIGESTER GAS FLOW INDICATOR.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS 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 EXCESS DIGESTER GAS NOT USED OR STORED SHALL BE BURNED IN THIS EQUIPMENT.
[RULE 1401; RULE 1303(a)(1)-BACT]
4. THIS EQUIPMENT SHALL BE EQUIPPED WITH A FLOW MEASURING DEVICE TO INDICATE THE VOLUME OF DIGESTER GAS BURNED PER DAY.
[RULE 1303(b)(2)-OFFSET]
5. THE VOLUME OF DIGESTER GAS BURNED IN EACH FLARE SHALL NOT EXCEED 0.576 MILLION CUBIC FEET PER DAY (400 CUBIC FEET PER MINUTE).
[RULE 1303(b)(2)-OFFSET]
6. THE TOTAL VOLUME OF DIGESTER GAS BURNED IN THIS EQUIPMENT SHALL NOT EXCEED 1.152 MILLION CUBIC FEET PER DAY (800 CUBIC FEET PER MINUTE).
[RULE 1303(b)(2)-OFFSET]
7. EACH FLARE SHALL BE EQUIPPED WITH A SHROUD WHICH WILL ENSURE COMPLETE FLAME RETENTION WITHIN THE SHROUD.
[RULE 1303(a)(1)-BACT]

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8. THE FLARES SHALL BE EQUIPPED WITH A TEMPERATURE INDICATOR AND RECORDER WHICH MEASURES AND RECORDS THE GAS TEMPERATURE IN THE FLARE STACK. THE TEMPERATURE INDICATOR AND RECORDER SHALL OPERATE WHENEVER THE FLARES IS IN OPERATION.
[RULE 1303(a)(1)-BACT]
9. DURING OPERATION OF THIS EQUIPMENT, A TEMPERATURE OF NOT LESS THAN 1400 DEGREES FAHRENHEIT SHALL BE MAINTAINED IN THE FLARES STACKS, EXCEPT DURING START-UP OR SHUTDOWN PERIODS, NOT EXCEEDING 30 MINUTES PER EVENT.
[RULE 1303(a)(1)-BACT]
10. EITHER A PILOT FLAME OR DIGESTER GAS COMBUSTION FLAME SHALL BE MAINTAINED IN EACH FLARE WHENEVER THE FLARES ARE IN OPERATION.
[RULE 1303(a)(1)-BACT]
11. THE OPERATOR SHALL CONDUCT SOURCE TESTS AT LEAST ONCE EVERY 5 YEARS IN ACCORDANCE WITH AQMD APPROVED PROCEDURES. A SOURCE TEST PROTOCOL SHALL BE SUBMITTED TO THE AQMD FOR WRITTEN APPROVAL 30 DAYS PRIOR TO TESTING. WRITTEN NOTIFICATION OF SUCH VERIFICATION TESTS SHALL BE PROVIDED TO THE AQMD AT LEAST 7 DAYS PRIOR TO THE TEST. A FINAL REPORT OF THE TEST RESULTS SHALL BE PROVIDED TO THE AQMD WITHIN 45 DAYS AFTER THE TESTING. THE SOURCE TESTS SHALL BE CONDUCTED UNDER NORMAL OPERATIONS AND SHALL INCLUDE BUT NOT BE LIMITED TO A TEST OF THE INLET DIGESTER GAS AND THE FLARES EXHAUST FOR:
 - A. METHANE AND NON-METHANE HYDROCARBONS.
 - B. CARBON DIOXIDE AND CARBON MONOXIDE.
 - C. NO_x, EXHAUST ONLY.
 - D. SULFUR COMPOUNDS, INLET GAS ONLY.
 - E. PM, EXHAUST ONLY.
 - F. OXYGEN, MOISTURE, AND FLOW RATES.[RULE 1303(b)(2)-OFFSET]
12. THE SAMPLING PORTS SHALL BE MAINTAINED ON EACH FLARE STACK. ADEQUATE AND SAFE ACCESS TO ALL SOURCE TEST PORTS SHALL BE PROVIDED BY THE APPLICANT WITHIN TWENTY FOUR (24) HOURS OF A REQUEST BY THE AQMD TO CONDUCT A TEST.
[RULE 217]
13. EACH FLARE SHALL BE EQUIPPED WITH AUTOMATIC DAMPERS TO REGULATE THE FLOW OF COMBUSTION AIR.
[RULE 1303(a)(1)-BACT]
14. THE COMBINED TOTAL HOURS OF OPERATION OF BOTH FLARES SHALL NOT EXCEED 3744 HOURS IN ANY TWELVE-MONTH PERIOD.
[RULE 212(g)]
15. UNLESS THE FACILITY IS EXEMPT PER RULE 431.1(g), THE CONCENTRATION OF SULFUR COMPOUNDS MEASURED AS HYDROGEN SULFIDE (H₂S) IN THE FLARES EXHAUST SHALL NOT EXCEED 40 PPMV.
[RULE 431.1]

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16. THE OPERATOR SHALL MAINTAIN RECORDS OF THE H₂S CONTENT FOR THE DIGESTER GAS BURNED IN THE FLARES. SUCH RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER UPON REQUEST.
[RULE 431.1]
17. WRITTEN RECORDS SHALL BE KEPT ON THE HOURS OF OPERATION OF THE FLARES. THESE RECORDS SHALL BE KEPT FOR A PERIOD OF AT LEAST FIVE YEARS AND BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST,
[RULE 1303(b)(2)-OFFSET]

Emissions And Requirements:

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

CO: 2000 PPMV, RULE 407
PM: 0.1 GRAIN/SCF, RULE 409
PM: RULE 404, SEE APPENDIX B FOR EMISSIONS LIMITS
SOX: 500 PPMV, RULE 407
NOX: 0.06 LB/MM BTU, RULE 1303(a)(1) - BACT

FACILITY PERMIT TO OPERATE LA CITY, TERMINAL ISLAND TREATMENT PLANT

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 AQMD, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

FOR ARCHITECTURAL APPLICATIONS WHERE NO THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN SEMI-ANNUAL RECORDS OF ALL COATINGS CONSISTING OF (a) COATING TYPE, (b) VOC CONTENT AS SUPPLIED IN GRAMS PER LITER (g/l) OF MATERIALS FOR LOW-SOLIDS COATINGS, (c) VOC CONTENT AS SUPPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATING.

FOR OTHER ARCHITECTURAL APPLICATIONS WHERE THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN DAILY RECORDS FOR EACH COATING CONSISTING OF (a) COATING TYPE, (b) VOC CONTENT AS APPLIED IN GRAMS PER LITER (g/l) OF MATERIALS USED FOR LOW-SOLIDS COATINGS, (c) VOC CONTENT AS APPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATING.
[RULE 3004 (a)(4)]

Emissions And Requirements:

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

VOC: RULE 1113, SEE APPENDIX B FOR EMISSION LIMITS
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE LA CITY, TERMINAL ISLAND TREATMENT PLANT

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, HAND WIPING OPERATIONS AND SMALL, UNHEATED, NON-CONVEYORIZED CLEANING EQUIPMENT.

Emissions And Requirements:

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

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE LA CITY, TERMINAL ISLAND TREATMENT PLANT

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS.

Emissions And Requirements:

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

VOC: RULE 1415

VOC: 40 CFR 82 SUBPART F