



FACILITY PERMIT TO OPERATE

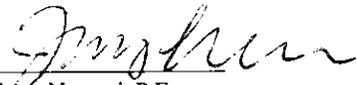
**LA CITY, SANITATION BUREAU (HTP)
12000 VISTA DEL MAR
PLAYA DEL REY, CA 90293**

NOTICE

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

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

Barry R. Wallerstein, D. Env.
EXECUTIVE OFFICER

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

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FACILITY PERMIT TO OPERATE LA CITY, SANITATION BUREAU (HTP)

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

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



FACILITY PERMIT TO OPERATE LA CITY, SANITATION BUREAU (HTP)

PERMITTED EQUIPMENT LIST

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

| Application Number | Permit to Operate Number | Equipment Description | Page No. |
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| G02327 | P68553 | BAGHOUSE, AMBIENT TEMP. > 500 SQ. FT. – ABRASIVE BLASTING | 6 |
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| 161048 | D93242 | APC SYSTEM, LIQUID SCRUBBER - HEADWORKS | 13 |
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| 207187 | D71033 | ICE > 500 HP, EM. ELEC. GEN, DIESEL | 17 |
| 207188 | D71031 | ICE > 500 HP, EM. ELEC. GEN, DIESEL | 19 |
| 227143 | D39256 | FLARE STATION, DIGESTER GAS | 21 |
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| 245835 | G15552 | APC SYSTEM, LIQUID SCRUBBER – TRUCK LOADING | 26 |
| 254887 | G15644 | WASTEWATER TREATMENT (SECONDARY) | 28 |
| 254889 | F38896 | APC SYSTEM, LIQUID SCRUBBER | 30 |
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| 265350 | G15557 | APC SYSTEM, LIQUID SCRUBBER – HIGH PURITY OXYGEN REACTOR | 37 |
| 266268 | F38915 | DIGESTER GAS DESULFURIZATION SYSTEM | 39 |
| 274876 | R-F38908 | SEWAGE SLUDGE DIGESTION | 41 |
| 281651 | F38909 | SEWAGE SLUDGE DEWATERING | 43 |
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| 299232 | G15555 | BIOSOLIDS DEWATERING FACILITY | 47 |
| 313290 | D97879 | ICE, 50-500 HP, EM. ELEC. GEN., DIESEL | 49 |
| 313291 | D97880 | ICE, 50-500 HP, EM. ELEC. GEN., DIESEL | 50 |
| 313292 | D97881 | ICE, 50-500 HP, EM. ELEC. GEN., DIESEL | 51 |
| 313293 | D97882 | ICE, 50-500 HP, EM. ELEC. GEN., DIESEL | 52 |
| 313615 | F6234 | ICE, 50-500 HP, EM. ELEC. GEN., DIESEL | 53 |
| 314310 | D98945 | ICE, 50-500 HP, EM. PUMP, DIESEL | 54 |
| 314311 | D98882 | ICE, 50-500 HP, EM. PUMP, DIESEL | 55 |



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

| Application Number | Permit to Operate Number | Equipment Description | Page No. |
|--------------------|--------------------------|---|----------|
| 314316 | D98946 | ICE, 50-500 HP, EM. PUMP, DIESEL | 56 |
| 314324 | F02823 | STEAM CLEANING SYSTEM | 57 |
| 314326 | D98948 | ICE, 50-500 HP, EM. PUMP, DIESEL | 59 |
| 314336 | D98949 | ICE, 50-500 HP, EM. PUMP, DIESEL | 60 |
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| 314341 | D99331 | ICE, 50-500 HP, EM. PUMP, DIESEL | 62 |
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| 334787 | F48664 | BOILER 20-50 MMBTU/HR, NATURAL GAS | 72 |
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| 424861 | F66769 | APC SYSTEM, CARBON – HIGH PURITY OXYGEN REACTOR | 85 |
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| 425835 | F66848 | ICE, 50-500 HP, EM. ELEC. GEN. DIESEL | 92 |
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| 454045 | F80905 | ICE, 50-500 HP, EM. ELEC. GEN. DIESEL | 95 |
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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.



FACILITY PERMIT TO OPERATE LA CITY, SANITATION BUREAU (HTP)

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. TOTAL SULFUR CONTENT OF THE DIGESTER GAS COMBUSTED AT THIS FACILITY OR SUPPLIED TO ANOTHER FACILITY SHALL NOT EXCEED 40 PPMV MEASURED AS H₂S.
[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]
5. SULFUR CONTENT OF FUEL OIL USED IN STATIONARY EMERGENCY COMPRESSION IGNITION INTERNAL COMBUSTION ENGINES SHALL NOT EXCEED 15 PPMV.
[RULE 1470]
6. THE OPERATOR SHALL MEASURE THE SULFUR CONTENT OF THE DIGESTER GAS ACCORDING TO THE FOLLOWING:
 - A. FOR READING UP TO 36 PPM AS H₂S, DIALY ANALYSIS OF THE DIGESTER GAS FOR H₂S, USING COLORIMETRIC TUBES, AND WEEKLY ANALYSIS OF THE DIGESTER GAS BY AQMD METHOD 307 – TOTAL SULFUR COMPOUNDS IN FUEL GAS BY GAS CHROMATOGRAPHY AND CHEMILUMINESCENCE DETECTOR.
 - B. FOR READING ABOVE 36 PPM AS H₂S 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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7. THE DAILY TOTAL INFLUENT FLOW TO THE PLANT, EXCLUDING IN PLANT RECYCLE STREAMS, SHALL NOT EXCEED 450 MGD AVERAGED ON A CALENDAR MONTH. IN THE EVENT THIS INFLUENT FLOW LIMIT IS EXCEEDED BECAUSE OF EXTREME WEATHER CONDITIONS, OR OTHER REASONS, THE CITY OF LOS ANGELES SHALL, WITHIN 30 DAYS FROM THE END OF THE REPORTING MONTH, PROVIDE SATISFACTORY WRITTEN DOCUMENTATION EXPLAINING THE EXCEEDANCE TO THE SCAQMD.
[RULE 204]



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Permit No. P68553
A/N G02327

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. BAGHOUSE, METAL MASTERS FABRICATORS, TYPE LP2, SIZE 456 WITH 480 BAGS, EACH 5" DIA X 11'-0" L, TWO 1 ½ HP SHAKERS AND FOUR ENCLOSED DUST CONTAINERS.
2. EXHAUST SYSTEM WITH A 50 HP BLOWER VENTING ONE ABRASIVE BLASTING ROOM AND FOUR ENCLOSED DUST CONTAINERS.

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 DISCHARGE DUST COLLECTED IN THIS EQUIPMENT ONLY INTO CLOSED CONTAINERS.
[RULE 1140][RULE 3004 (a)(4)]
4. 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:



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- 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 1140] [RULE 3004 (a)(4)]

- 5. THE OPERATOR SHALL CONDUCT A VISUAL INSPECTION OF THE FILTER BAGS FOR TEAR OR DAMAGE AT LEAST ONCE A MONTH. RECORDS OF THE INSPECTION DATES SHALL BE MAINTAINED IN ACCORDANCE WITH THE RECORD KEEPING REQUIREMENTS IN SECTION K.
[RULE 1140] [RULE 3004 (a)(4)]

Emissions And Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 1140



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**Permit No. P68554
A/N G02328**

Equipment Description:

ABRASIVE BLASTING SYSTEM CONSISTING OF:

1. ABRASIVE BLASTING ROOM, 25'-0" W X 30'-0" L X 12'-0" H.
2. ABRASIVE BLASTING NOZZLE, 3/8" DIA MAXIMUM.
3. ABRASIVE SUPPLY POT, 600 LB CAPACITY.
4. AIR COMPRESSOR, WORTHINGTON, 210 CFM, 100 PSIG MAXIMUM PRESURE.

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 MUST NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE AIR POLLUTION CONTROL OFFICER.
[RULE 1303(a)(1)-BACT]

Periodic Monitoring:

NONE

Emissions And Requirements:

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

PM: RULE 1140



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Permit No. D93839
A/N 161032

Equipment Description:

PRIMARY WASTEWATER TREATMENT SYSTEM CONSISTING OF:

1. PRIMARY BATTERY A WITH:
 - A. FOUR PRIMARY CLARIFIERS, 56'-6" W X 300'-0" L X 15'-1" D.
 - B. TWELVE STRAIGHT LINE (CHAIN AND FLIGHT) SLUDGE COLLECTORS.
 - C. FOUR CROSS COLLECTORS.
 - D. EIGHT SLUDGE PUMPS (FOUR STANDBY), 550 GPM EACH.
2. PRIMARY BATTERY B WITH:
 - A. FOUR PRIMARY CLARIFIERS, 56'-6" W X 300'-0" L X 15'-1" D.
 - B. TWELVE STRAIGHT LINE (CHAIN AND FLIGHT) SLUDGE COLLECTORS.
 - C. FOUR CROSS COLLECTORS.
 - D. SIX SLUDGE PUMPS (TWO STANDBY), 660 GPM EACH.
3. PRIMARY BATTERY C WITH:
 - A. FOUR PRIMARY CLARIFIERS, 56'-6" W X 300'-0" L X 15'-1" D.
 - B. TWELVE STRAIGHT LINE (CHAIN AND FLIGHT) SLUDGE COLLECTORS.
 - C. FOUR CROSS COLLECTORS.
 - D. SIX SLUDGE PUMPS (TWO STANDBY), 660 GPM EACH.
4. PRIMARY BATTERY D WITH:
 - A. TWELVE PRIMARY CLARIFIERS, 1'-6" W X 300'-0" L X 14'-0" D.

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]



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2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. A FLOW METER AND RECORDER SHALL BE MAINTAINED TO MONITOR AND RECORD THE TOTAL FLOW RATE OF WASTE WATER INTO THE PRIMARY TREATMENT SYSTEM.
[RULE 1303(b)(1)][RULE 1401]
4. THE TOTAL LOW RATE OF WASTE WATER THROUGH THE PRIMARY TREATMENT SYSTEM SHALL NOT EXCEED 450 MILLION GALLONS PER DAY (MGD) EXCEPT DURING STORM PERIODS OR EMERGENCY SITUATIONS INVOLVING PUBLIC HEALTH AND SAFETY.
[RULE 1303(b)(1)][RULE 1401]
5. ALL PRIMARY CLARIFIERS SHALL BE COVERED AT ALL TIMES EXCEPT DURING MAINTENANCE PERIODS. RECORDS OF THE DURATION OF EACH MAINTENANCE PERIOD SHALL BE KEPT ON FILE.
[RULE 402]
6. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AIR POLLUTION CONTROL DEVICE WHICH IS IN OPERATION AND WHICH HAS RECEIVED A VALID PERMIT TO CONSTRUCT OR OPERATE FROM THE DISTRICT.
[RULE 402]
7. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT FOR AT LEAST FIVE (5) YEARS AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 204]

Periodic Monitoring:

8. DAILY RECORDS OF THE VOLUME OF WASTEWATER TREATED AT THIS FACILITY SHALL BE KEPT ON FILE AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1303(b)(1)][RULE 3004(a)(4)]

Emissions And Requirements:

NONE



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Permit No. D93840
A/N 161034

Equipment Description:

HEADWORKS FACILITY CONSISTING OF:

1. TEN BAR SCREENS, CLIMBER TYPE, TWENTY SLUICE GATES, WITH TWO BY-PASS CHANNELS, 11'-8" W X 12'-0" H, EACH AND TWO WATER PUMPS.
2. THREE GRIT GRINDERS, WITH THREE SCREENING PUMPS, FOUR DEWATERING SCREENS, AND FOUR COMPACTORS.
3. SIX AERATED GRIT BASINS, 22'-6" W X 150'-0" L X 15'-0" D., WITH TWELVE ISOLATION GATES, FOUR BLOWERS, EIGHTEEN GRIT PUMPS, EIGHT DEWATERING SCREW CONVEYORS AND TWO HOLDING HOPPERS.
4. TWO SCREENING STORAGE HOPPERS, 2,380 CU.FT. CAPACITY, WITH EIGHT SCREW CONVEYORS AND TWO HOLDING HOPPERS.
5. THREE SCUM WETWELLS, 2,950 GALLONS EACH, WITH TWO DEWATERING PUMPS, AND THREE SCUM PUMPS.

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 TOTAL INFLUENT FLOW OF WASTE WATER TO THE HEADWORKS FACILITY SHALL NOT EXCEED 450 MILLION GALLONS PER DAY (MGD) AVERAGED ON A CALENDAR MONTH, EXCEPT DURING STORM PERIODS AND EMERGENCY SITUATIONS INVOLVING PUBLIC HEALTH AND SAFETY. RECORDS OF THE DAILY INFLUENT FLOW RATE SHALL BE KEPT FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1303(b)(1)][RULE 1401]
4. THIS HEADWORKS FACILITY SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AN AIR POLLUTION CONTROL DEVICE WHICH IS IN OPERATION AND WHICH HAS RECEIVED A VALID PERMIT TO CONSTRUCT OR OPERATE FROM THE DISTRICT.
[RULE 402]



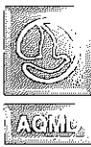
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Periodic Monitoring:

NONE

Emissions And Requirements:

NONE



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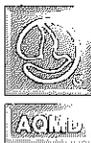
**Permit No. D93242
A/N 161048**

Equipment Description:

1. THREE SCRUBBERS, (HWK-1, HWK-2 AND HWK-3), ONE STANDBY, VERTICAL PACKED TYPE, EACH 12'-0" DIA X 25'-4" H., AND EACH WITH 8'-0" OF PACKING AND A MIST ELIMINATOR.
3. EXHAUST SYSTEM WITH SIX BLOWERS, ONE STANDBY, VENTING THE HEADWORKS FACILITY.

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 GROUND LEVEL HYDROGEN SULFIDE (H₂S) CONCENTRATION AT THE DOWNWIND PROPERTY BOUNDARY LINE SHALL NOT EXCEED 30 PPB (42 MICROGRAMS PER CUBIC METER) OVER ONE-HOUR AVERAGE OR ANY REVISED STATE AMBIENT AIR QUALITY STANDARDS WHICH MAY BECOME EFFECTIVE DURING THE OPERATION OF THE EQUIPMENT.
[RULE 402]
4. THE CONCENTRATION OF SULFUR COMPOUNDS, CALCULATED AS HYDROGEN SULFIDE (H₂S) AT THE OUTLET TO THE ATMOSPHERE OF THIS EQUIPMENT SHALL BE MEASURED AND RECORDED DAILY ACCORDING TO A METHOD APPROVED BY THE DISTRICT. THE FREQUENCY OF MEASUREMENT AND RECORDING MAY BE CHANGED WITH A WRITTEN APPROVAL FROM THE DISTRICT.
[RULE 204]
5. THE CONCENTRATION OF HYDROGEN SULFIDE (H₂S), MEASURED AT THE OUTLET TO THE ATMOSPHERE SHALL NOT EXCEED 1.0 PPMV.
[RULE 402]
6. A PRESSURE GAUGE INDICATING PSIG SHALL BE INSTALLED AND PROPERLY MAINTAINED AT THE DISCHARGE LINE OF EACH RECIRCULATION PUMP FOR EACH SCRUBBER TOWER. DURING OPERATION OF THE AIR POLLUTION CONTROL SYSTEM, THE PRESSURE INDICATED BY EACH GAUGE SHALL NOT EXCEED 25 PSIG.
[RULE 204]
7. A PH METER SHALL BE MAINTAINED TO INDICATE THE PH VALUE OF THE ABSORBING SOLUTION USED IN THE SCRUBBER.
[RULE 204]



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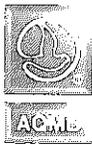
8. THE PH OF THE LIQUID RECIRCULATED TO THE SCRUBBER SHALL BE MAINTAINED AT 8.0 OR HIGHER. A FLOW METER SHALL BE INSTALLED AND PROPERLY MAINTAINED AND OPERATED TO MEASURE THE SODIUM HYPOCHLORITE FEED AND CAUSTIC RATES.
[RULE 204]
9. A PRESSURE GAUGE SHALL BE MAINTAINED TO INDICATE, IN INCHES OF WATER COLUMN, THE PRESSURE DROP ACROSS EACH SCRUBBER DURING OPERATION.
[RULE 204]
10. THE OPERATOR SHALL KEEP A DAILY LOG OF OPERATING PARAMETERS OF THE EQUIPMENT WHICH SHALL INCLUDE, BUT ARE NOT LIMITED TO, THE PRESSURE DROP IN INCHES OF WATER, THE DISCHARGE PRESSURE OF THE RECIRCULATION PUMP IN PSIG, THE PH VALUE OF THE SCRUBBING SOLUTION, AND THE OUTLET H₂S CONCENTRATION IN PPMV.
[RULE 204]

Periodic Monitoring:

NONE

Emissions And Requirements:

NONE



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PERMIT TO OPERATE

**Permit No. D93241
A/N 161051**

Equipment Description:

1. TWO SCRUBBERS, (INF-1 AND INF-2), ONE STANDBY, VERTICAL PACKED TYPE, MODEL NO. SPT-96, EACH 8'-0" DIA X 21'-5" H., WITH 8'-0" OF PACKING AND A MIST ELIMINATOR.
2. THREE CARBON ADSORBERS (CAT-INF-1 AND CAT-INF-2 AND CAT-INF-3), ONE STANDBY, EACH 12'-0" DIA X 11'-0" H., WITH TWO 3'-0" ACTIVATED CARBON BEDS.
3. EXHAUST SYSTEM WITH TWO BLOWERS, ONE STANDBY, VENTING THE INFLUENT CHANNELS, (COS, NORS, NCOS, AND NOS).

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 GROUND LEVEL HYDROGEN SULFIDE (H₂S) CONCENTRATION AT THE DOWNWIND PROPERTY BOUNDARY LINE SHALL NOT EXCEED 30 PPB (42 MICROGRAMS PER CUBIC METER) OVER ONE-HOUR AVERAGE OR ANY REVISED STATE AMBIENT AIR QUALITY STANDARDS WHICH MAY BECOME EFFECTIVE DURING THE OPERATION OF THE EQUIPMENT.
[RULE 402]
4. THE CONCENTRATION OF SULFUR COMPOUNDS, CALCULATED AS HYDROGEN SULFIDE (H₂S) AT THE OUTLET TO THE ATMOSPHERE OF THIS EQUIPMENT SHALL BE MEASURED AND RECORDED DAILY ACCORDING TO A METHOD APPROVED BY THE DISTRICT. THE FREQUENCY OF MEASUREMENT AND RECORDING MAY BE CHANGED WITH A WRITTEN APPROVAL FROM THE DISTRICT.
[RULE 204]
5. THE CONCENTRATION OF HYDROGEN SULFIDE (H₂S), MEASURED AT THE OUTLET TO THE ATMOSPHERE SHALL NOT EXCEED 1.0 PPMV.
[RULE 402]
6. A PRESSURE GAUGE INDICATING PSIG SHALL BE INSTALLED AND PROPERLY MAINTAINED AT THE DISCHARGE LINE OF EACH RECIRCULATION PUMP FOR EACH SCRUBBER TOWER. DURING OPERATION OF THE AIR POLLUTION CONTROL SYSTEM, THE PRESSURE INDICATED BY EACH GAUGE SHALL NOT EXCEED 25 PSIG.
[RULE 204]



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7. A PH METER SHALL BE MAINTAINED TO INDICATE THE PH VALUE OF THE ABSORBING SOLUTION USED IN THE SCRUBBER.
[RULE 204]
8. THE PH OF THE LIQUID RECIRCULATED TO THE SCRUBBER SHALL BE MAINTAINED AT 8.0 OR HIGHER. A FLOW METER SHALL BE INSTALLED AND PROPERLY MAINTAINED AND OPERATED TO MEASURE THE SODIUM HYPOCHLORITE FEED AND CAUSTIC RATES.
[RULE 204]
9. A PRESSURE GAUGE SHALL BE MAINTAINED TO INDICATE, IN INCHES OF WATER COLUMN, THE PRESSURE DROP ACROSS EACH SCRUBBER DURING OPERATION.
[RULE 204]
10. A PRESSURE GAUGE SHALL BE MAINTAINED TO INDICATE, IN INCHES OF WATER COLUMN, THE PRESSURE DROP ACROSS EACH CARBON ADSORBER DURING OPERATION.
[RULE 204]
11. THE PRESSURE DROP ACROSS EACH CARBON ADSORBER SHALL NOT EXCEED 12 INCHES OF WATER.
[RULE 204]
12. ONLY ONE CARBON ADSORPTION UNIT SHALL BE TAKEN OUT OF SERVICE AT ANY ONE TIE. UNIT OUTAGE DURING CARBON BED REPLACEMENT SHALL NOT EXCEED 96 HOURS PER REPLACEMENT.
[RULE 402]
13. THE OPERATOR SHALL KEEP A DAILY LOG OF OPERATING PARAMETERS OF THE EQUIPMENT WHICH SHALL INCLUDE, BUT ARE NOT LIMITED TO, THE PRESSURE DROP IN INCHES OF WATER, THE DISCHARGE PRESSURE OF THE RECIRCULATION PUMP IN PSIG, THE PH VALUE OF THE SCRUBBING SOLUTION, AND THE OUTLET H₂S CONCENTRATION IN PPMV.
[RULE 204]

Periodic Monitoring:

NONE

Emissions And Requirements:

NONE



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. D71033
A/N 207187**

Equipment Description:

INTERNAL COMBUSTION ENGINE NO.1, CATERPILLAR, MODEL 3516, DIESEL FUELED, TURBOCHARGED AFTERCOOLED, 16 CYLINDERS, DRIVING A 1750 KILOWATTS EMERGENCY STANBY GENERATOR.

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. A TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1470]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 125 HOURS IN ANY ONE YEAR.
[RULE 1110.2, RULE 1304(a)(4), RULE 1470]
5. A DAILY LOG LISTING THE ENGINE OPERATING TIME, IN HOURS, SHALL BE KEPT. THE LOG SHALL BE MAINTAINED ON FILE FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1470]
6. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED REALTIVE TO STANDARD TIMING.
[RULE 1303(a)(1)]
7. OPERATION OF THIS ENGINE FOR MAINTENANCE TESTING SHALL NOT EXCEED 1 HOUR EVERY TWO WEEKS.
[RULE 1303(b)(2)]
8. EXCEPT FOR MAINTENANCE AND TESTING PURPOSES, THIS ENGINE SHALL ONLY BE OPERATED DURING PERIODS OF UTILITY POWER FAILURE OR LOCAL ELECTRICAL SUBSTATION FAILURE. THIS ENGINE SHALL OPERATE FOR 30 MINUTES MAXIMUM AFTER THE RESTORATION OF UTILITY POWER.
[RULE 1470]



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Periodic Monitoring:

NONE

Emissions And Requirements:

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

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

PM: RULE 1470



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PERMIT TO OPERATE

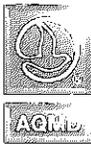
Permit No. D71031
A/N 207188

Equipment Description:

INTERNAL COMBUSTION ENGINE NO.2, CATERPILLAR, MODEL 3516, DIESEL FUELED, TURBOCHARGED AFTERCOOLED, 16 CYLINDERS, DRIVING A 1750 KILOWATTS EMERGENCY STANBY GENERATOR.

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. A TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1470]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 125 HOURS IN ANY ONE YEAR.
[RULE 1110.2, RULE 1304(a)(4), RULE 1470]
5. A DAILY LOG LISTING THE ENGINE OPERATING TIME, IN HOURS, SHALL BE KEPT. THE LOG SHALL BE MAINTAINED ON FILE FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1470]
6. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED REALTIVE TO STANDARD TIMING.
[1303(a)(1)]
7. OPERATION OF THIS ENGINE FOR MAINTENANCE TESTING SHALL NOT EXCEED 1 HOUR EVERY TWO WEEKS.
[RULE 1303(b)(2)]
8. EXCEPT FOR MAINTENANCE AND TESTING PURPOSES, THIS ENGINE SHALL ONLY BE OPERATED DURING PERIODS OF UTILITY POWER FAILURE OR LOCAL ELECTRICAL SUBSTATION FAILURE. THIS ENGINE SHALL OPERATE FOR 30 MINUTES MAXIMUM AFTER THE RESTORATION OF UTILITY POWER.
[RULE 1470]



**FACILITY PERMIT TO OPERATE
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Periodic Monitoring:

NONE

Emissions And Requirements:

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



FACILITY PERMIT TO OPERATE LA CITY, SANITATION BUREAU (HTP)

PERMIT TO OPERATE

Permit No. R-D39256
A/N 227143

Equipment Description:

1. FLARE NO. 1 VERTICAL TYPE, 10'-6 DIA X 65'-0" H., 100,000,000 BTU PER HOUR HEAT INPUT, WITH A DIGESTER GAS PILOT BURNER, A LIQUIFIED PETROLEUM GAS (LPG) PILOT BURNER AND AN AUTOMATIC COMBUSTION AIR DAMPER.
2. FLARE NO. 2 VERTICAL TYPE, 10'-6 DIA X 65'-0" H., 100,000,000 BTU PER HOUR HEAT INPUT, WITH A DIGESTER GAS PILOT BURNER, A LIQUIFIED PETROLEUM GAS (LPG) PILOT BURNER AND AN AUTOMATIC COMBUSTION AIR DAMPER.
3. FLARE NO. 3 VERTICAL TYPE, 10'-6 DIA X 65'-0" H., 100,000,000 BTU PER HOUR HEAT INPUT, WITH A DIGESTER GAS PILOT BURNER, A LIQUIFIED PETROLEUM GAS (LPG) PILOT BURNER AND AN AUTOMATIC COMBUSTION AIR DAMPER.
4. FLARE NO. 4 VERTICAL TYPE, 10'-6 DIA X 65'-0" H., 100,000,000 BTU PER HOUR HEAT INPUT, WITH A DIGESTER GAS PILOT BURNER, A LIQUIFIED PETROLEUM GAS (LPG) PILOT BURNER AND AN AUTOMATIC COMBUSTION AIR DAMPER.
5. FLARE NO. 5 VERTICAL TYPE, 10'-6 DIA X 65'-0" H., 100,000,000 BTU PER HOUR HEAT INPUT, WITH A DIGESTER GAS PILOT BURNER, A LIQUIFIED PETROLEUM GAS (LPG) PILOT BURNER AND AN AUTOMATIC COMBUSTION AIR DAMPER.
6. FLARE NO. 6 VERTICAL TYPE, 10'-6 DIA X 65'-0" H., 100,000,000 BTU PER HOUR HEAT INPUT, WITH A DIGESTER GAS PILOT BURNER, A LIQUIFIED PETROLEUM GAS (LPG) PILOT BURNER AND AN AUTOMATIC COMBUSTION AIR DAMPER.

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.
[RUEL 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE TOTAL VOLUME OF DIGESTER GAS BURNED IN EACH FLARE SHALL NOT EXCEED 2550 SCFM.
[RULE 1303(b1)][RULE 1303(b2)]
4. THE TOTAL VOLUME OF DIGESTER GAS BURNED IN THE FLARING SYSTEM SHALL NOT EXCEED 7650 SCFM.
[RULE 1303(b1)][RULE 1303(b2)]



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5. FLOW INDICATORS AND RECORDERS SHALL BE MAINTAINED IN OPERATION TO MEASURE INDIVIDUAL FLOW RATES TO EACH FLARE AND TOTAL FLOW TO THE FLARING SYSTEM.
[RULE 204]
6. DURING THE FLARE OPERATION, A TEMPERATURE OF NOT LESS THAN 1450 F SHALL BE MAINTAINED IN EACH FLARE STACK.
[1303(a)(1)]
7. TEMPERATURE INDICATORS AND RECORDERS SHALL BE MAINTAINED IN OPERATION TO MEASURE THE EXHAUST GAS TEMPERATURES FOR EACH FLARE STACK.
[1303(a)(1)][RULE 204]
8. EACH FLARE SHALL BE EQUIPPED WITH AUTOMATIC DAMPERS TO REGULATE THE FLOW OF COMBUSTION AIR.
[1303(a)(1)]
10. RECORDS SHALL BE MAINTAINED OF THE DIGESTER GAS FLOW RATES, THE NUMBER OF FLARES IN OPERATION, FLARE STACK TEMPERATURES. THE RECORDS SHALL BE KEPT ON FILE FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE UPON REQUEST.
[RULE 204]
11. FOUR SAMPLING PORTS SHALL BE MAINTAINED IN EACH FLARE STACK AT LEAST 3 FEET UPSTREAM OF FLARE OUTLET, 90 DEGREES APART AND SHALL CONSIST OF 3 INCH COUPLINGS WITH PLUGS. ADEQUATE AND SAFE ACCESS TO THE TEST PORTS SHALL BE PROVIDED BY CITY OF LOS ANGELES.
[RULE 204, RULE 217]

Periodic Monitoring:

12. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE CO EMISSION LIMIT(S) EITHER BY:
(a) CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY FIVE YEARS USING AQMD TEST METHODS 100.1 OR 10.1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER APPROVED BY AQMD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 407 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)]
13. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE NOX EMISSION RATE(S) BY CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY FIVE YEARS USING AQMD TEST METHOD 100.1 OR 7.1. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 1303 EMISSION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.

FOR THE PURPOSE OF DETERMINING COMPLIANCE WITH RULE 1303 EMISSION LIMIT, THE EMISSIONS SHALL BE MEASURED AND AVERAGED OVER A 60 MINUTE TIME PERIOD.
[RULE 3004 (a)(4)]



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Emissions And Requirements:

CO: 2000 PPMV, RULE 407
SOX: 500 PPMV, RULE 407
NOX: 0.06 LB/MMBTU, BACT, RULE 1303(a)(1)
PM: 0.1 GRAIN/CF, RULE 409
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMIT



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. D39450
A/N 230134**

Equipment Description:

POLYMER BLENDING FACILITY CONSISTING OF:

1. TWO 9000 GALLON BULK POLYMER STORAGE TANKS.
2. SIX POLYBLEND UNITS (PUMPS, MIXING CHAMBERS).

Conditions:

1. CONSTRUCTION AND 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 THROUGHPUT RECORDS SHALL BE KEPT FOR FIVE YEARS AND BE MADE AVAILABLE TO THE EXECUTIVE OFFICER UPON REQUEST.
[RULE 204]

Periodic Monitoring:

NONE

Emissions And Requirements:

NONE



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. F38718
A/N 245834**

Equipment Description:

SLUDGE STORAGE AND LOAD-OUT SYSTEM CONSISTING OF EIGHT STORAGE SILOS AND TRUCK LOAD-OUT SYSTEM, AND ASSOCIATED CONVEYOR BELTS AND FEED SCREWS.

Conditions:

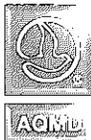
1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. ONLY TWO TRUCKS MAY RECEIVE SLUDGE FROM THE LOADING BAYS AT ANY ONE TIME UNLESS OTHERWISE APPROVED IN WRITING BY THE AQMD. THE TWO INNER TRUCK LOADING BAYS SHALL REMAIN TOTALLY ENCLOSED WHILE LOADING OUT SLUDGE.
[RULE 402]
4. THE EIGHT LOAD OUT SILOS AND THE TEN INDOOR STORAGE BINS SHALL BE VENTED TO AN AIR POLLUTION CONTROL SYSTEM AT ALL TIMES. THE AIR POLLUTION CONTROL SYSTEM SHALL HAVE AN ACTIVE OPERATING PERMIT FROM AQMD.
[RULE 402]
5. IF THE EMISSION OF TOXIC AND POTENTIALLY TOXIC SUBSTANCES EXCEED THE CORRESPONDING VALUES USED IN THE HEALTH RISK ASSESSMENT, THE CITY OF LOS ANGELES SHALL SUBMIT A REVISED HEALTH RISK ASSESSMENT FOR AQMD APPROVAL WITHIN 90 DAYS AFTER NOTICE IS GIVEN FOR SUCH PREPARATION, UNLESS OTHERWISE APPROVED IN WRITING BY THE AQMD.
[RULE 1401]

Periodic Monitoring:

NONE

Emissions And Requirements:

NONE



FACILITY PERMIT TO OPERATE LA CITY, SANITATION BUREAU (HTP)

PERMIT TO OPERATE

Permit No. G15552
A/N 245835

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. TWO BLOWERS, 150 H.P. EACH, VENTING FOUR SLUDGE TRUCK LOAD OUT ENCLOSURES, EIGHT SLUDGE LOAD OUT SILOS, TEN INDOOR SLUDGE STORAGE BINS, AND TWO SCREW CONVEYORS AND TRANSFER FACILITY.
2. TWO 2-STAGE SCRUBBERS, PACKED BED TYPE, EACH 12'-0" DIA. X 25'-7" H., EACH WITH 10 FEET OF PACKING, EACH WITH A MIST ELIMINATOR, AND ASSOCIATED PUMPS.

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 TOTAL EXHAUST FLOW RATE FROM EACH SCRUBBER STATION SHALL NOT EXCEED 44,000 SCFM.
[RULE 204]
4. THE CONCENTRATION OF SULFUR COMPOUNDS, MEASURED AS HYDROGEN SULFIDE, IN THE EXHAUST OF THIS EQUIPMENT SHALL NOT EXCEED 1.0 PPMV, DAILY AVERAGE.
[RULE 402]
5. A PRESSURE GAUGE INDICATING PSIG SHALL BE INSTALLED AND MAINTAINED AT THE DISCHARGE LINE OF EACH RECIRCULATION PUMP.
[RULE 204]
6. AN OXIDATION REDUCTION POTENTIAL (ORP) METER SHALL BE INSTALLED TO INDICATE THE ORP VALUE OF THE CHEMICAL OXIDANTS USED IN EACH SCRUBBER. THE ORP OF SODIUM HYPOCHLORITE (NaOC1) SHALL BE MAINTAINED AT 400 MV (DAILY AVERAGE) OR GREATER.
[RULE 204]
7. A MECHANICAL GAUGE SHALL BE INSTALLED TO INDICATE, IN INCHES OF WATER COLUMN, THE PRESSURE DROP ACROSS THE SCRUBBER PACKING. THE PRESSURE DROP ACROSS THE SCRUBBER PACKING SHALL NOT EXCEED 6.0 INCHES WATER COLUMN, DAILY AVERAGE.
[RULE 204]



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8. A pH METER SHALL BE INSTALLED AND OPERATED ON EACH SCRUBBER RECIRCULATION LINE. THE pH SHALL BE MAINTAINED AT A MINIMUM OF 8.0, DAILY AVERAGE, WHEN USING SODIUM HYDROXIDE SOLUTION.
[RULE 204]
9. THE OPERATOR SHALL HAVE AT LEAST ONE SCRUBBER TRAIN AND ONE BLOWER IN OPERATION AT ALL TIMES.
[RULE 204]

Periodic Monitoring:

NONE

Emissions And Requirements:

NONE



FACILITY PERMIT TO OPERATE LA CITY, SANITATION BUREAU (HTP)

PERMIT TO OPERATE

Permit No. G15644
A/N 254887

Equipment Description:

SECONDARY WASTEWATER TREATMENT SYSTEM CONSISTING OF:

1. EIGHT (8) EMERGENCY WASTEWATER STORAGE TANKS.
2. INTERMEDIATE PUMPING STATION WITH TEN (10) ARCHIMEDES SCREW PUMPS (TWO STAND-BY), VENTED.
3. NINE (9) HIGH PURITY OXYGEN REACTOR MODULES, 168'-0" W BY 300'-0" L EACH, VENTED.
4. THIRTY-SIX (36) SECONDARY CLARIFIERS, 150'-0" DIA EACH, WITH SLUDGE COLLECTORS.
5. TEN (10) HORIZONTAL ROTATING MICROSREENS (THREE STAND-BY) 12'-8" W BY 30'-0" L
6. FOUR (4) HORIZONTAL, DUAL-MEDIA PRESSURE FILTERS.
7. TWO (2) CHLORINE CONTACT BASINS, 22'-0" W BY 130'-0" L.

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 OPERATED AND MAINTAINED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]
4. THE INTERMEDIATE PUMPING STATION, THE OXYGEN REACTOR MODULE INFLUENT CHANNELS, AND THE OXYGEN REACTOR MODULE VENTS SHALL BE VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE (EXCEPT DURING REPAIR AND MAINTENANCE EVENTS) AND WHICH HAS BEEN ISSUED A VALID PERMIT TO CONSTRUCT OR OPERATE BY THE SCAQMD.
[RULE 402]



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5. THE GROUND LEVEL HYDROGEN SULFIDE CONCENTRATION AT THE EASTERN PROPERTY BOUNDARY LINE SHALL NOT EXCEED 30 PPB OR ANY REVISED STATE AMBIENT AIR QUALITY STANDARDS WHICH MAY BECOME EFFECTIVE DURING THE OPERATION OF THIS EQUIPMENT.
[RULE 402]
6. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT ON FILE FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO THE SCAQMD UPON REQUEST.
[RULE 204]

Periodic Monitoring:

NONE

Emissions And Requirements:

NONE



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. F38896
A/N 254889**

Equipment Description:

AIR POLLUTION CONTROL SYSTEM, CONSISTING OF:

1. TWO SCRUBBERS (ONE STANDBY), PACKED TOWER TYPE, APPROXIMATELY 2 FEET IN DIAMETER AND 13' FEET HIGH, EACH WITH 8 FEET OF PACKED SECTION.
2. TWO EXHAUST BLOWERS (ONE STANDBY), EACH WITH 1080 CFM CAPACITY, VENTING THE HIGH PURITY OXYGEN REACTOR VENTS.

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 AND MAINTAINED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]
- 4) A PRESSURE GAUGE SHALL BE INSTALLED TO INDICATE, IN INCHES OF WATER COLUMN, THE PRESSURE DROP ACROSS THE SCRUBBER.
[RULE 204]
- 5) A PRESSURE GAUGE SHALL BE INSTALLED TO INDICATE, IN INCHES OF WATER COLUMN, THE PRESSURE DROP ACROSS THE CARBON ADSORBER.
[RULE 204]
- 6) THE PRESSURE DROP ACROSS THE SCRUBBER SHALL NOT EXCEED 6.4 INCHES OF WATER COLUMN.
[RULE 204]
- 7) THE PRESSURE DROP ACROSS THE CARBON ADSORBER SHALL NOT EXCEED 5.0 INCHES OF WATER COLUMN.
[RULE 204]



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- 8) A PRESSURE GAUGE INDICATING THE PRESSURE IN PSIG SHALL BE INSTALLED AND MAINTAINED AT THE DISCHARGE LINE OF THE SCRUBBING SOLUTION RECIRCULATION PUMP FOR EACH SCRUBBER. THE PRESSURE INDICATED BY EACH GAUGE SHALL NOT EXCEED 25 PSIG.
[RULE 204]
- 9) THE CONCENTRATION OF SULFUR COMPOUNDS, MEASURED AS HYDROGEN SULFIDE (H₂S) AT THE CARBON ADSORBER EXHAUST SHALL NOT EXCEED 1.0 PPMV.
[RULE 402]
- 10) THE PRESSURE DIFFERENTIAL ACROSS THE SCRUBBER AND THE CARBON ADSORBER, THE SCRUBBING SOLUTION LINE PRESSURE, AND THE CONCENTRATION OF HYDROGEN SULFIDE AT THE EXHAUST SHALL BE MEASURED AND RECORDED AT LEAST ONCE A DAY.
- 11) ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT ON FILE FOR AT LEAST 5 YEARS AND BE MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.
[RULE 204]

Periodic Monitoring:

NONE

Emissions And Requirements:

NONE



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. F38897
A/N 264457**

Equipment Description:

DIGESTER SCREENING FACILITY CONSISTING OF:

1. THREE (3) STATIC SCREENS (HYDRATOWER), EACH 3' W. X 4' L. X 8' H.
2. SIXTEEN (16) SCREENS, EACH 8' W. X 10' L.
3. MIXING BASIN, 20,000 GALLONS CAPACITY, WITH A 10 H.P. MIXER.
4. FOUR (4) BELT CONVEYOR, TWO 18" WIDE., ONE 26" WIDE., AND ONE 14" WIDE.
5. FOUR (4) BELT PRESSES.
6. FOUR (4) SNAIL CLARIFIERS.
7. FOUR (4) GRIT HOPPERS, EACH 570 CUBIC FEET CAPACITY.
8. THIRTY-NINE (39) SCREW CONVEYORS.

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]
- 4) THIS EQUIPMENT SHALL BE OPERATED AND MAINTAINED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]
- 5) THIS SYSTEM SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AN AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A VALID PERMIT TO CONSTRUCT OR OPERATE BY THE AQMD.
[RULE 402]



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

Periodic Monitoring:

NONE

Emissions And Requirements:

NONE



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. F38898
A/N 264553**

Equipment Description:

FERRIC CHLORIDE INJECTION SYSTEM CONSISTING OF:

1. FOUR (4) 15,000 GALLON FERRIC CHLORIDE STORAGE TANKS.
2. TWO TRANSFER PUMPS AND SIX METERING 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 FERRIC CHLORIDE STORAGE TANKS SHALL REMAIN COVERED AT ALL TIMES.
[RULE 204]
- 4) DAILY RECORDS OF FERRIC CHLORIDE THROUGHPUT SHALL BE KEPT AND MAINTAINED ON FILE FOR A PERIOD OF FIVE YEARS. THE RECORDS SHALL BE MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.
[RULE 204]

Periodic Monitoring:

NONE

Emissions And Requirements:

NONE



FACILITY PERMIT TO OPERATE LA CITY, SANITATION BUREAU (HTP)

PERMIT TO OPERATE

Permit No. G15556
A/N 265348

Equipment Description:

AIR POLLUTION CONTROL SYSTEM NO. 2 CONSISTING OF:

1. TWO EXHAUST BLOWERS, ONE AS STANDBY, 10 HP MAXIMUM, VENTING THE HIGH PURITY OXYGEN REACTORS 5, 6, AND 7.
2. TWO SCRUBBERS, ONE AS STANDBY, PACKED TOWER TYPE, APPROXIMATELY 2'-0" DIA X 13'-0" H., EACH WITH AN 8'-0" PACKED SECTION AND ASSOCIATED PUMPS.

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 OPERATED AND MAINTAINED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]
4. A PRESSURE GAUGE SHALL BE INSTALLED TO INDICATE, IN INCHES OF WATER COLUMN, THE PRESSURE DROP ACROSS THE SCRUBBER.
[RULE 204]
5. THE PRESSURE DROP ACROSS THE SCRUBBER SHALL NOT EXCEED 6.4 INCHES OF WATER COLUMN, DAILY AVERAGE.
[RULE 204]
6. THE CONCENTRATION OF SULFUR COMPOUNDS, CALCULATED AS HYDROGEN SULFIDE (H₂S), IN THE SCRUBBER EXHAUST SHALL NOT EXCEED 1.0 PPMV, DAILY AVERAGE.
[RULE 402]
7. A PRESSURE GAUGE INDICATING PSIG SHALL BE INSTALLED AND PROPERLY MAINTAINED AT THE DISCHARGE LINE OF EACH RECIRCULATION PUMP FOR EACH SCRUBBER. DURING OPERATION OF THE AIR POLLUTION CONTROL SYSTEM, THE PRESSURE INDICATED BY EACH GAUGE SHALL BE MAINTAINED AT LESS THAN OR EQUAL TO 25 PSIG, DAILY AVERAGE.
[RULE 204]



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

8. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT ON FILE FOR AT LEAST 5 YEARS AND BE MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.
[RULE 204]

Periodic Monitoring:

NONE

Emissions And Requirements:

NONE



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. G15557
A/N 265350**

Equipment Description:

AIR POLLUTION CONTROL SYSTEM NO. 3 CONSISTING OF:

1. TWO EXHAUST BLOWERS, ONE AS STANDBY, 10 HP MAXIMUM, VENTING THE HIGH PURITY OXYGEN REACTORS 8 AND 9.
2. TWO SCRUBBERS, ONE AS STANDBY, PACKED TOWER TYPE, APPROXIMATELY 2'-0" DIA X 13'-0" H., EACH WITH AN 8'-0" PACKED SECTION AND ASSOCIATED PUMPS.

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 OPERATED AND MAINTAINED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]
4. A PRESSURE GAUGE SHALL BE INSTALLED TO INDICATE, IN INCHES OF WATER COLUMN, THE PRESSURE DROP ACROSS THE SCRUBBER.
[RULE 204]
5. THE PRESSURE DROP ACROSS THE SCRUBBER SHALL NOT EXCEED 6.4 INCHES OF WATER COLUMN, DAILY AVERAGE.
[RULE 204]
6. THE CONCENTRATION OF SULFUR COMPOUNDS, CALCULATED AS HYDROGEN SULFIDE (H₂S), IN THE SCRUBBER EXHAUST SHALL NOT EXCEED 1.0 PPMV, DAILY AVERAGE.
[RULE 402]
7. A PRESSURE GAUGE INDICATING PSIG SHALL BE INSTALLED AND PROPERLY MAINTAINED AT THE DISCHARGE LINE OF EACH RECIRCULATION PUMP FOR EACH SCRUBBER. DURING OPERATION OF THE AIR POLLUTION CONTROL SYSTEM, THE PRESSURE INDICATED BY EACH GAUGE SHALL BE MAINTAINED AT LESS THAN OR EQUAL TO 25 PSIG, DAILY AVERAGE.
[RULE 204]



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

8. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT ON FILE FOR AT LEAST 5 YEARS AND BE MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.
[RULE 204]

Periodic Monitoring:

NONE

Emissions And Requirements:

NONE



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. F38915
A/N 266268**

Equipment Description:

DIGESTER GAS DESULFURIZATION SYSTEM CONSISTING OF:

1. SIX (6) COMPRESSORS, 2350 H.P. TOTAL.
2. GAS HOLDER, LOW PRESSURE, 100,000 CUBIC FEET CAPACITY.
3. KNOCKOUT DRUM, RAW DIGESTER GAS, ABSORBER INLET, 4' ID X 9' H.
4. TWO KNOCKOUT DRUMS, ABSORBER OUTLET, 4" ID X 9' H. WITH TWO COALESCING FILTERS (ONE STANDBY)
5. TWO SPILLBACK BLOWERS (ONE STANDBY)
6. CHEMICAL FEED SYSTEM CONSISTING OF THREE POLYETHYLENE CHEMICAL ADDITIVE DRUMS, ONE 3000-GALLON CHEMICAL ADDITION TANK, FOUR PNEUMATIC CHEMICAL TRANSFER PUMPS, AND ONE SUMP PUMP.
7. TWO VENTURI CONTACTORS.
8. SCRUBBING LIQUOR HEATER, 5,120,000 BTU/HR MAXIMUM.
9. TWO ABSORBERS
10. TWO OXIDIZERS WITH TWO 60 H.P. RECIRCULATION PUMPS, TWO REGENERATION AIR BLOWERS, AND TWO RECIRCULATION TANKS.
11. TWO PRECIPITATE HOLDING TANKS, 7' ID X 26' H., AGITATED, WITH TWO 5 H.P. PRECIPITATE PUMPS.
12. CENTRIFUGE, 40 H.P.
13. ONE RESLURRYING TANK, 12' ID X 16' H., WITH ONE RESLURRYING MIXER AND TWO DILUTE SLURRY PUMPS, 3 H.P. EACH, ONE STANDBY.
14. CHEMICAL MAKEUP PUMP AND CHEMICAL MAKEUP MIXER.
15. PIPING TO OPERATE TWO TRAINS IN PARALLEL OR SERIES.



FACILITY PERMIT TO OPERATE LA CITY, SANITATION BUREAU (HTP)

Conditions:

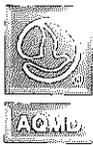
1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE DISCHARGE AIR STREAM FROM THE OXIDIZERS SHALL BE VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND HAS BEEN ISSUED A VALID PERMIT TO CONSTRUCT OR OPERATE BY THE AQMD.
[RULE 402]
4. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT ON FILE FOR AT LEAST 5 YEARS AND BE MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.
[RULE 204]

Periodic Monitoring:

NONE

Emissions And Requirements:

NONE



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. R-F38908
A/N 274876**

Equipment Description:

MUNICIPAL WASTEWATER SLUDGE DIGESTION SYSTEM CONSISTING OF:

1. THIRTY SIX (36) PRIMARY ANAEROBIC DIGESTERS, EACH 2,500,000 GALLON CAPACITY, EACH WITH A MECHANICAL MIXER, VENTED TO DIGESTER GAS TREATMENT FACILITY.
2. TWO (2) SECONDARY ANAEROBIC DIGESTERS, 2,500,000 GALLON EACH, VENTED TO A DIGESTER GAS TREATMENT FACILITY.
3. THREE (3) DIGESTED SLUDGE WET WELLS, 11'-6" DIA X 59'-6" H. EACH, VENTED TO A DIGESTER GAS TREATMENT SYSTEM.
4. PRIMARY SLUDGE PUMP STATION WITH EIGHT (8) SLUDGE PUMPS (THREE STANDBY), AND TWO (2) PRIMARY SLUDGE WET WELLS, 47' W. X 22' L. EACH.
5. THICKENED WASTE ACTIVATED SLUDGE (TWAS) PUMP STATION, WITH SIX (6) SLUDGE PUMPS AND ONE WET WELL WITH 15' W. X 30' L.
6. FOUR (4) RESERVOIRS, 52'-6" W. X 18'-6" L. EACH.
7. PUMP HOUSE WITH THREE (3) FRESH WATER PUMPS (ONE STANDBY), THREE INDUSTRIAL WATER PUMPS (ONE STANDBY), AND THREE HORIZONTAL FIRE PUMPS.
8. FERROUS CHLORIDE FACILITY WITH TWO (2) FERROUS CHLORIDE STORAGE TANKS, 8,500 GALLONS EACH, TWO (2) METERING PUMPS (ONE STANDBY), AND ONE CHEMICAL TRANSFER PUMP.

THIS PERMIT TO OPERATE SUPERSEDES PERMIT TO OPERATE F38908 ISSUED ON 4/17/2001.

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]



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS THE PRIMARY SLUDGE PUMP STATION AND THICKENED WASTE ACTIVATED SLUDGE (TWAS) PUMP STATION ARE VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A VALID PERMIT TO CONSTRUCT OR OPERATE BY THE AQMD.
[RULE 402]
4. FLOW METERS SHALL BE INSTALLED AND OPERATED IN ORDER TO MEASURE AND RECORD SLUDGE, FERROUS CHLORIDE, AND DIGESTER GAS FLOW RATES.
[RULE 204]

Periodic Monitoring:

NONE

Emissions And Requirements:

NONE



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. F281651
A/N 281651**

Equipment Description:

WASTE ACTIVATED SLUDGE THICKENING FACILITY CONSISTING OF:

1. THREE (3) DISSOLVED AIR FLOTATION (DAF) TANKS, STANDBY ONLY.
2. TWENTY-FOUR CENTRIFUGES (FOUR STANDBY), HIGH SPEED, SOLID BOWL, 300 H.P. MAIN DRIVE, 50 H.P. BACKDRIVE, COUNTERCURRENT DESIGN WITH A HELICAL SCREW CONVEYOR.
3. TWO WASTE ACTIVATED SLUDGE WET WELLS, EACH 160,000 GALLON CAPACITY, 43'-0" L. X 30'-9" W. X 23'-0" D.
4. FOUR THICKENED WASTE ACTIVATED SLUDGE WET WELLS, EACH 48'-0" L. X 5'-0" W. X 19'-0" D.
5. ONE CENTRATE WET WELL, 18'-0" L. X 8'-6" W. X 24'-0" D.
6. TWO SIDESTREAM WET WELLS, EACH 28'-6" L. X 18'-0" W. X 21'-0" D.
7. TWELVE STORAGE TANKS, POLYMER, EACH 21,800 GALLON CAPACITY, VENTED TO ACTIVATED CARBON CANISTERS.
8. THREE STORAGE TANKS, SODIUM HYDROXIDE (NAOH), TWO 2,850 GALLON, AND ONE 21,800 GALLON CAPACITY.
9. THREE STORAGE TANKS, SODIUM HYPOCHLORITE (NAOCL), TWO 7,900 GALLON, AND ONE 21,800 GALLON CAPACITY.

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]



FACILITY PERMIT TO OPERATE LA CITY, SANITATION BUREAU (HTP)

3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS THE CENTRIFUGES, WAS WET WELLS, TWAS WET WELLS, AND SIDESTREAM WET WELLS ARE VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A PERMIT TO CONSTRUCT OR PERMIT TO OPERATE BY THE AQMD.
[RULE 402]
4. A FLOW INDICATING DEVICE SHALL BE INSTALLED AND MAINTAINED TO MEASURE THE TOTAL DAILY VOLUME OF SLUDGE PROCESSED BY THIS EQUIPMENT.
[RULE 204]
5. RECORDS OF THE DAILY SLUDGE THROUGHPUT SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.
[RULE 204]

Periodic Monitoring:

NONE

Emissions And Requirements:

NONE



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. G15554
A/N 299230**

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. EXHAUST SYSTEM WITH TWO 150 HP BLOWERS (ONE AS STANDBY) VENTING BIOSOLIDS DEWATERING FACILITY AND DIGESTER SCREENING FACILITY.
2. ONE 2-STAGE SCRUBBER, PACKED TYPE, IN SERIES, 8'-0" DIA. X 50'-5" H., WITH ASSOCIATED PUMPS.

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 OPERATED AND MAINTAINED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]
4. PRESSURE GAUGES SHALL BE INSTALLED TO INDICATE, IN INCHES OF WATER COLUMN, THE PRESSURE DROP ACROSS EACH SCRUBBER TOWER.
[RULE 204]
5. THE PRESSURE DROP ACROSS EACH SCRUBBER TOWER SHALL NOT EXCEED 9 INCHES OF WATER, DAILY AVERAGE.
[RULE 204]
6. THE CONCENTRATION OF SULFUR COMPOUNDS, CALCULATED AS HYDROGEN SULFIDE, AT THE OUTLET TO THE ATMOSPHERE OF THE SCRUBBER SYSTEM SHALL BE MEASURED AND RECORDED DAILY ACCORDING TO A METHOD APPROVED BY THE AQMD. THE FREQUENCY OF THE MEASUREMENT MAY BE CHANGED WITH A WRITTEN APPROVAL FROM THE AQMD.
[RULE 204]
7. THE CONCENTRATION OF HYDROGEN SULFIDE, MEASURED AT THE SCRUBBER OUTLET SHALL NOT EXCEED 1 PPMV, DAILY AVERAGE.
{RULE 402}



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

8. A PRESSURE GAUGE INDICATING PSIG SHALL BE INSTALLED AND PROPERLY MAINTAINED AT THE DISCHARGE LINE OF EACH RECIRCULATION PUMP FOR EACH SCRUBBER TOWER. DURING OPERATION OF THIS EQUIPMENT, THE PRESSURE INDICATED BY EACH GAUGE SHALL NOT EXCEED 25 PSIG, DAILY AVERAGE.
[RULE 204]

Periodic Monitoring:

NONE

Emissions And Requirements:

NONE



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. G15555
A/N 299232**

Equipment Description:

BIOSOLIDS DEWATERING FACILITY (DICE 1, DICE 2, AND C7) CONSISTING OF:

1. NINE (9) HIGH SPEED DEWATERING CENTRIFUGES, 600 – 1000 GPM EACH.
2. ONE (1) EMULSION POLYMER STORAGE TANK NO. 8, 15,000 GALLONS CAPACITY.
3. ONE (1) FERRIC/FERROUS CHLORIDE STORAGE TANK NO. 7, 15,000 GALLONS CAPACITY.
4. FOUR (4) POLYMER STORAGE TANKS, ONE (1) MANNICH POLYMER, 10,000 GALLONS, ONE (1) EMULSION POLYMER, 1,500 GALLONS, AND TWO (2) DILUTED POLYMER, 1,000 GALLONS.
5. TWO (2) POLYMER STORAGE TANKS, 65,000 GALLONS EACH.

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 SLUDGE SHALL BE ANAEROBICALLY DIGESTED PRIOR TO DEWATERING.
[RULE 402][RULE 1303(b)(1)][RULE 1401]
4. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AN AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A VALID PERMIT BY THE EXECUTIVE OFFICER.
[RULE 402]
5. THE TOTAL FACILITY SLUDGE DEWATERING RATE SHALL NOT EXCEED 3,700 GPM ANNUAL AVERAGE AND 4,570 GPM MAXIMUM DAY AVERAGE, EXCEPT DURING EMERGENCY SITUATIONS INVOLVING PUBLIC HEALTH AND SAFETY. RECORDS OF SUCH OCCURRENCES SHALL BE KEPT FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 204][RULE 1303(b)(1)][RULE 1401]



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

Periodic Monitoring:

6. RECORDS OF DAILY SLUDGE THROUGHPUT SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.
[RULE 1303(b)(1)][RULE 3004(a)(4)]

Emissions And Requirements:

NONE



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. D97879
A/N 313290**

Equipment Description:

INTERNAL COMBUSTION ENGINE CUMMINS, 6 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. NT855-G5, SERIAL NO. 11616901, 390 BHP, DIESEL FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

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. A TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1470]
4. THE OPERATING TIME OF THIS ENGINE SHALL NOT EXCEED 139 HOURS IN ANY ONE YEAR.
[RULE 1110.2, RULE 1304(a)(4), RULE 1470]
5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, AIN 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 1470]

Periodic Monitoring:

NONE

Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. D97880
A/N 313291**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, 6 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. NT855-G5, SERIAL NO. 11616900, 390 BHP, DIESEL FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

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. A TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1470]
4. THE OPERATING TIME OF THIS ENGINE SHALL NOT EXCEED 139 HOURS IN ANY ONE YEAR.
[RULE 1110.2, RULE 1304(a)(4), RULE 1470]
5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, AIN 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 1470]

Periodic Monitoring:

NONE

Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. D97881
A/N 313292**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, 4 CYLINDERS, TURBOCHARGED, MODEL NO. 4B3.9, 66 BHP, DIESEL FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

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. A TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1470]
4. THE OPERATING TIME OF THIS ENGINE SHALL NOT EXCEED 199 HOURS IN ANY ONE YEAR.
[RULE 1110.2, RULE 1304(a)(4), RULE 1470]
5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, AIN 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 1470]

Periodic Monitoring:

NONE

Emissions And Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 1470
NOX: 10.5 GR/BHP-HR, RULE 1303(a)(1) – BACT



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. D97882
A/N 313293**

Equipment Description:

INTERNAL COMBUSTION ENGINE CUMMINS, 6 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. 6CTA8.3-G, SERIAL NO. 44590199, 277 BHP, DIESEL FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

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. A TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1470]
4. THE OPERATING TIME OF THIS ENGINE SHALL NOT EXCEED 199 HOURS IN ANY ONE YEAR.
[RULE 1110.2, RULE 1304(a)(4), RULE 1470]
5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, AIN 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 1470]

Periodic Monitoring:

NONE

Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. F6234
A/N 313615**

Equipment Description:

INTERNAL COMBUSTION ENGINE, JOHN DEERE, 6 CYLINDERS, TURBOCHARGED, MODEL NO. 6059T, 166 BHP, DIESEL FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

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. A TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1470]
4. THE OPERATING TIME OF THIS ENGINE SHALL NOT EXCEED 199 HOURS IN ANY ONE YEAR.
[RULE 1110.2, RULE 1304(a)(4), RULE 1470]
5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, AIN 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 1470]

Periodic Monitoring:

NONE

Emissions And Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 1470
NOX: 10.5 GR/BHP-HR, RULE 1303(a)(1) – BACT



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. D98945
A/N 314310**

Equipment Description:

INTERNAL COMBUSTION ENGINE, IVECO, MODEL NO. 80615135-05, DIESEL FUELED, EMERGENCY PUMP DRIVER, 6 CYLINDERS, TURBOCHARGED, 148 BHP.

Conditions:

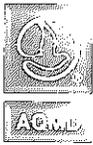
1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS ENGINE SHALL BE EQUIPPED WITH A NONRESETTABLE TIMER TO INDICATE THE ELAPSED OPERATING TIME.
[RULE 1470]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 199 HOURS IN ANY ONE YEAR.
[RULE 1110.2, RULE 1304(a)(4), 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 1470]

Periodic Monitoring:

NONE

Emissions And Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 1470
NOX: 10.5 GR/BHP-HR. RULE 1303(a)(1) – BACT



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. D98882
A/N 314311**

Equipment Description:

INTERNAL COMBUSTION ENGINE JOHN DEERE, MODEL NO. 4036DF001, DIESEL FUELED, EMERGENCY PUMP DRIVER, 4 CYLINDERS, 80 BHP.

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 ENGINE SHALL BE EQUIPPED WITH A NONRESETTABLE TIMER TO INDICATE THE ELAPSED OPERATING TIME.
[RULE 1470]
4. THE OPERATING TIME OF THIS ENGINE SHALL NOT EXCEED 199 HOURS IN ANY ONE YEAR.
[RULE 1110.2, RULE 1304(a)(4), RULE 1470]
5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, AIN 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 1470]

Periodic Monitoring:

NONE

Emissions And Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 1470
NOX: 10.5 GR/BHP-HR, RULE 1303(a)(1) – BACT



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. D98946
A/N 314316**

Equipment Description:

INTERNAL COMBUSTION ENGINE IVECO, MODEL NO. 803110505, DIESEL FUELED, EMERGENCY PUMP DRIVER, 3 CYLINDERS, 51 BHP.

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 ENGINE SHALL BE EQUIPPED WITH A NONRESETTBLE TIMER TO INDICATE THE ELAPSED OPERATING TIME.
[RULE 1470]
4. THE OPERATING TIME OF THIS ENGINE SHALL NOT EXCEED 199 HOURS IN ANY ONE YEAR.
[RULE 1110.2, RULE 1304(a)(4), RULE 1470]
5. AN ENGINE OPERTING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, AIN 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 1470]

Periodic Monitoring:

NONE

Emissions And Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 1470
NOX: 10.5 GR/BHP-HR, RULE 1303(a)(1) – BACT



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. F2823
A/N 314324**

Equipment Description:

STEAM CLEANER, SYSTEM CONSISTING OF:

1. STEAM CLEANER, LANDA, MODEL PGHW4-2000, PORTABLE, FUEL OIL FIRED, 350,000 BTU/HR.
2. INTERNAL COMBUSTION ENGINE, HONDA, GASOLINE FUELED, 11 HP.

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 MORE THAN 8 HOURS PER DAY.
[RULE 1303(b)(2)]

Periodic Monitoring:

4. 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 AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE ANNUAL PERIOD. THE ROUTINE 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 THAT LAST MORE THAN THREE MINUTES IN ANY ONE-HOUR, THE OPERATOR SHALL EITHER:
 - A. VERIFY AND CERTIFY WITHIN 24 HOURS THAT THE EQUIPMENT CAUSING THE EMISSION AND ANY ASSOCIATED AIR POLLUTION CONTROL EQUIPMENT ARE OPERATING NORMALLY ACCORDING TO THEIR DESIGN AND STANDARD PROCEDURES AND UNDER THE SAME CONDITIONS UNDER WHICH COMPLIANCE WAS ACHIEVED IN THE PAST;
 - B. 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; OR
 - C. HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE



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EMISSION EVALUATION", WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATIONS TO AQMD.

[RULE 3004 (a)(4)]

5. THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:
 - A. STACK OR EMISSION POINT IDENTIFICATION;
 - B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;
 - C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
 - D. VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER.[RULE 3004 (a)(4)]

6. THE AMOUNT OF FUEL USED IN THIS EQUIPMENT SHALL BE RECORDED ON DAILY BASIS.
[RULE 1303(b)(1), 3004 (a)(4)]

Emissions And Requirements:

NONE



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. D98948
A/N 314326**

Equipment Description:

INTERNAL COMBUSTION ENGINE IVECO, MODEL NO. 803110505, DIESEL FUELED, EMERGENCY PUMP DRIVER, 3 CYLINDERS, 51 BHP.

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 ENGINE SHALL BE EQUIPPED WITH A NONRESETTBLE TIMER TO INDICATE THE ELAPSED OPERATING TIME.
[RULE 1470]
4. THE OPERATING TIME OF THIS ENGINE SHALL NOT EXCEED 199 HOURS IN ANY ONE YEAR.
[RULE 1110.2, RULE 1304(a)(4), RULE 1470]
5. AN ENGINE OPERTING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, AIN 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 1470]

Periodic Monitoring:

NONE

Emissions And Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 1470
NOX: 10.5 GR/BHP-HR, RULE 1303(a)(1) - BACT



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. D98949
A/N 314336**

Equipment Description:

INTERNAL COMBUSTION ENGINE IVECO, MODEL NO. 803110505, DIESEL FUELED, EMERGENCY PUMP DRIVER, 3 CYLINDERS, 51 BHP.

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 ENGINE SHALL BE EQUIPPED WITH A NONRESETTBLE TIMER TO INDICATE THE ELAPSED OPERATING TIME.
[RULE 1470]
4. THE OPERATING TIME OF THIS ENGINE SHALL NOT EXCEED 199 HOURS IN ANY ONE YEAR.
[RULE 1110.2, RULE 1304(a)(4), RULE 1470]
5. AN ENGINE OPERTING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, AIN 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 1470]

Periodic Monitoring:

NONE

Emissions And Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 1470
NOX: 10.5 GR/BHP-HR, RULE 1303(a)(1) - BACT



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. D99325
A/N 314337**

Equipment Description:

INTERNAL COMBUSTION ENGINE IVECO, MODEL NO. 8041SI2505, DIESEL FUELED, EMERGENCY PUMP DRIVER, 4 CYLINDERS, TURBOCHARGED 98 BHP.

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 ENGINE SHALL BE EQUIPPED WITH A NONRESETTBLE TIMER TO INDICATE THE ELAPSED OPERATING TIME.
[RULE 1470]
4. THE OPERATING TIME OF THIS ENGINE SHALL NOT EXCEED 199 HOURS IN ANY ONE YEAR.
[RULE 1110.2, RULE 1304(a)(4), RULE 1470]
5. AN ENGINE OPERTING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, AIN 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 1470]

Periodic Monitoring:

NONE

Emissions And Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 1470
NOX: 10.5 GR/BHP-HR, RULE 1303(a)(1) – BACT



FACILITY PERMIT TO OPERATE LA CITY, SANITATION BUREAU (HTP)

PERMIT TO OPERATE

Permit No. D99331
A/N 314341

Equipment Description:

INTERNAL COMBUSTION ENGINE IVECO, MODEL NO. 8041SI2505, DIESEL FUELED, EMERGENCY PUMP DRIVER, 4 CYLINDERS, TURBOCHARGED 98 BHP.

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 ENGINE SHALL BE EQUIPPED WITH A NONRESETTBLE TIMER TO INDICATE THE ELAPSED OPERATING TIME.
[RULE 1470]
4. THE OPERATING TIME OF THIS ENGINE SHALL NOT EXCEED 199 HOURS IN ANY ONE YEAR.
[RULE 1110.2, RULE 1304(a)(4), RULE 1470]
5. AN ENGINE OPERTING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, AIN 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 1470]

Periodic Monitoring:

NONE

Emissions And Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 1470
NOX: 10.5 GR/BHP-HR, RULE 1303(a)(1) - BACT



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. F9091
A/N 330359**

Equipment Description:

INTERNAL COMBUSTION ENGINE CATERPILLAR, MODEL NO. 3516 DITA, DIESEL FUELED, EMERGENCY ELECTRICAL GENERATION, 16 CYLINDERS, TURBOCHARGED AND AFTERCOOLED, 2151 BHP.

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. A TIMER SHALL BE INSTALLED AND MAINTAINED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1470]
4. THE OPERATING TIME OF THIS ENGINE SHALL NOT EXCEED 199 HOURS IN ANY ONE YEAR.
[RULE 1110.2, RULE 1304(a)(4), RULE 1470]
5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, AIN 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 1470]
6. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARD RELATIVE TO STANDARD TIMING.
[RULE 1303(a)(1)]

Periodic Monitoring:

NONE



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Emissions And Requirements:

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

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



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. F19610
A/N 332901**

Equipment Description:

SPRAY BOOTH, BINKS, MODEL NO. WE-20-10-T-LH, WATER WASH TYPE, 20'-0" W X 12'-7" L X 10'-2" H, ONE 10 HP WATER RECIRCULATING PUMP, AND TWO 5 HP EXHAUST FANS.

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 THE WATER WASH SYSTEM IS IN USE AND OPERATING WITH THE WATER CURTAIN COMPLETELY COVERING THE EXHAUST SECTION OF THE BOOTH.
[RULE 481, RULE 1303(a)(1)]
4. THE TOTAL VOLUME OF COATINGS AND SOLVENTS USED IN THIS SPRAY BOOTH SHALL NOT EXCEED 7 GALLONS IN ANY ONE DAY.
[RULE 1303(b)(2)]
5. THE OWNER OR THE OPERATOR OF THIS EQUIPMENT SHALL KEEP ADEQUATE RECORDS TO VERIFY DAILY USAGE OF COATING AND SOLVENTS. THE RECORDS SHALL BE MAINTAINED FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO THE SCAQMD UPON REQUEST.
[RULE 109, RULE 204]

Periodic Monitoring:

NONE

Emissions And Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULES 1104, 1106, 1107, 1113, 1151, 1171, SEE APPENDIX B FOR EMISSION LIMITS



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. F19609
A/N 332902**

Equipment Description:

SPRAY BOOTH, BINKS, MODEL NO. WE-14-10-T-LH, WATER WASH TYPE, 14'-0" W X 12'-7" L X 12'-2" H, ONE 7.5 HP WATER RECIRCULATING PUMP, AND ONE 7.5 HP EXHAUST FANS.

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 THE WATER WASH SYSTEM IS IN USE AND OPERATING WITH THE WATER CURTAIN COMPLETELY COVERING THE EXHAUST SECTION OF THE BOOTH.
[RULE 1303(a)(1)]
4. THE TOTAL VOLUME OF COATINGS AND SOLVENTS USED IN THIS SPRAY BOOTH SHALL NOT EXCEED 7 GALLONS IN ANY ONE DAY.
[RULE 1303(b)(2)]
5. THE OWNER OR THE OPERATOR OF THIS EQUIPMENT SHALL KEEP ADEQUATE RECORDS TO VERIFY DAILY USAGE OF COATING AND SOLVENTS. THE RECORDS SHALL BE MAINTAINED FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO THE SCAQMD UPON REQUEST.
[RULE 109][RULE 204]

Periodic Monitoring:

NONE



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

Emissions And Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULES 1104, 1106, 1107, 1113, 1151, 1171, SEE APPENDIX B FOR EMISSION LIMITS



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. F48659
A/N 334783**

Equipment Description:

BOILER, RITE, MODEL NO. 400 WG, SERIAL NO. 25673TSF, WITH A 4 MILLION BTU PER HOUR LOW NOX BURNER, GORDON PIATT, MODEL LNR10-G-20, NATURAL GAS FIRED.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS BOILER SHALL BE FIRED ON NATURAL GAS ONLY.
[RULE 1303(a)(1)]
4. THIS BOILER SHALL BE OPERATED IN COMPLIANCE WITH APPLICABLE RULES AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, RULE 1146.1.
[RULE 1146.1]
5. THE BURNER SHALL BE EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE COMBUSTION AIR AND FUEL AS THE BOILER LOAD VARIES. THIS AUTOMATIC CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED AT LEAST TWICE A YEAR ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS TO ASSURE ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME FIRING RATE.
[RULE 204, RULE 1146.1]
6. RECORDS OF SUCH ADJUSTMENTS TUNE-UP, AND CALIBRATION AS STATED IN CONDITION NO. 5 SHALL BE KEPT FOR AT LEAST 2 YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 204, RULE 1146.1]
7. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT SOURCE TESTS UNDER THE FOLLOWING CONDITIONS:
 - A) SOURCE TESTING SHALL BE CONDUCTED WITHIN 180 DAYS AFTER INITIAL START-UP AND EVERY FIVE YEARS THEREAFTER UNLESS OTHERWISE APPROVED IN WRITING BY THE EXECUTIVE OFFICER.



FACILITY PERMIT TO OPERATE LA CITY, SANITATION BUREAU (HTP)

- B) THE SOURCE TESTS SHALL BE PERFORMED USING APPROVED DISTRICT METHODS TO VERIFY COMPLIANCE WITH NOX AND CO EMISSION LIMITS SPECIFIED BY THIS PERMIT.
- C) THE TESTS SHALL BE CONDUCTED WHILE THE BOILER IS FIRING AT MAXIMUM, MINIMUM, AND AVERAGE FIRING RATES.
- D) WRITTEN NOTICE OF THE SOURCE TESTS SHALL BE SUBMITTED TO THE DISTRICT AT LEAST 14 DAYS PRIOR TO TESTING SO THAT AN OBSERVER MAY BE PRESENT. THE NOTICE SHALL BE ADDRESSED TO:

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 COPLEY DRIVE
DIAMOND BAR, CA 91765
ATTN: REFINERY AND WASTE MANAGEMENT TEAM

- E) TWO COMPLETE COPIES OF THE SOURCE TEST RESULTS SHALL BE SUBMITTED TO THE DISTRICT WITHIN 45 DAYS OF COMPLETION OF THE TEST. THE REPORT SHALL INCLUDE, BUT NOT BE LIMITED TO, EMISSION 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 EXHAUST FLOW RATES, IN ACTUAL CUBIC FEET PER MINUTE (ACFM)
 - II. THE FIRING RATES, IN BTU/HOUR.
 - III. THE EXHAUST TEMPERATURE, IN DEGREES FAHRENHEIT.
 - IV. THE OXYGEN CONTENT OF THE EXHAUST GASES, IN PERCENT.
 - V. THE FUEL FLOW RATE.
- F) SAMPLING FACILITIES SHALL COMPLY WITH DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217. [RULE 1146.1, RULE 1303(a)(1)]

Periodic Monitoring:

NONE

Emissions And Requirements:

CO: 400 PPMV, RULE 1146.1
NOX: 30 PPMV, RULE 1146.1, RULE 1303(a)(1) – BACT
PM: 0.1 GRAIN/SCFM, RULE 409
CO: 2000 PPM, RULE 407
SO2: 500 PPM, RULE 407



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. F48662
A/N 334786**

Equipment Description:

BOILER, RITE, MODEL NO. 400 WG, SERIAL NO. 25672TSF, WITH A 4 MILLION BTU PER HOUR LOW NOX BURNER, GORDON PIATT, MODEL LNR10-G-20, NATURAL GAS FIRED.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS BOILER SHALL BE FIRED ON NATURAL GAS ONLY.
[RULE 1303(a)(1)]
4. THIS BOILER SHALL BE OPERATED IN COMPLIANCE WITH APPLICABLE RULES AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, RULE 1146.1.
[RULE 1146.1]
5. THE BURNER SHALL BE EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE COMBUSTION AIR AND FUEL AS THE BOILER LOAD VARIES. THIS AUTOMATIC CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED AT LEAST TWICE A YEAR ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS TO ASSURE ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME FIRING RATE.
[RULE 204, RULE 1146.1]
6. RECORDS OF SUCH ADJUSTMENTS TUNE-UP, AND CALIBRATION AS STATED IN CONDITION NO. 5 SHALL BE KEPT FOR AT LEAST 2 YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 204, RULE 1146.1]
7. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT SOURCE TESTS UNDER THE FOLLOWING CONDITIONS:
 - A) SOURCE TESTING SHALL BE CONDUCTED WITHIN 180 DAYS AFTER INITIAL START-UP AND EVERY FIVE YEARS THEREAFTER UNLESS OTHERWISE APPROVED IN WRITING BY THE EXECUTIVE OFFICER.



FACILITY PERMIT TO OPERATE LA CITY, SANITATION BUREAU (HTP)

- B) THE SOURCE TESTS SHALL BE PERFORMED USING APPROVED DISTRICT METHODS TO VERIFY COMPLIANCE WITH NOX AND CO EMISSION LIMITS SPECIFIED BY THIS PERMIT.
- C) THE TESTS SHALL BE CONDUCTED WHILE THE BOILER IS FIRING AT MAXIMUM, MINIMUM, AND AVERAGE FIRING RATES.
- D) WRITTEN NOTICE OF THE SOURCE TESTS SHALL BE SUBMITTED TO THE DISTRICT AT LEAST 14 DAYS PRIOR TO TESTING SO THAT AN OBSERVER MAY BE PRESENT. THE NOTICE SHALL BE ADDRESSED TO:

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 COPLEY DRIVE
DIAMOND BAR, CA 91765
ATTN: REFINERY AND WASTE MANAGEMENT TEAM

- E) TWO COMPLETE COPIES OF THE SOURCE TEST RESULTS SHALL BE SUBMITTED TO THE DISTRICT WITHIN 45 DAYS OF COMPLETION OF THE TEST. THE REPORT SHALL INCLUDE, BUT NOT BE LIMITED TO, EMISSION 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 EXHAUST FLOW RATES, IN ACTUAL CUBIC FEET PER MINUTE (ACFM)
 - II. THE FIRING RATES, IN BTU/HOUR.
 - III. THE EXHAUST TEMPERATURE, IN DEGREES FAHRENHEIT.
 - IV. THE OXYGEN CONTENT OF THE EXHAUST GASES, IN PERCENT.
 - V. THE FUEL FLOW RATE.
- F) SAMPLING FACILITIES SHALL COMPLY WITH DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217. [RULE 1146.1, RULE 1303(a)(1)]

Periodic Monitoring:

NONE

Emissions And Requirements:

CO: 400 PPMV, RULE 1146.1
NOX: 30 PPMV, RULE 1146.1, RULE 1303(a)(1) – BACT
PM: 0.1 GRAIN/SCFM, RULE 409
CO: 2000 PPM, RULE 407
SO2: 500 PPM, RULE 407



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. F48664
A/N 334787**

Equipment Description:

BOILER, CLEAVER BROOKS, MODEL NO. CB700-150-125, WITH ONE 6.3 MILLION BTU PER HOUR CLEAVER BROOKS LOW NOX BURNER, NATURAL GAS FIRED, AND A FLUE GAS RECIRCULATION SYSTEM.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS BOILER SHALL BE FIRED ON NATURAL GAS ONLY.
[RULE 1303(a)(1)]
4. THIS BOILER SHALL BE OPERATED IN COMPLIANCE WITH APPLICABLE RULES AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, RULE 1146.
[RULE 1146]
5. THE BURNER SHALL BE EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE COMBUSTION AIR AND FUEL AS THE BOILER LOAD VARIES. THIS AUTOMATIC CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED AT LEAST TWICE A YEAR ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS TO ASSURE ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME FIRING RATE.
[RULE 204, RULE 1146]
6. RECORDS OF SUCH ADJUSTMENTS TUNE-UP, AND CALIBRATION AS STATED IN CONDITION NO. 5 SHALL BE KEPT FOR AT LEAST 2 YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 204, RULE 1146]
7. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT SOURCE TESTS UNDER THE FOLLOWING CONDITIONS:
 - A) SOURCE TESTING SHALL BE CONDUCTED WITHIN 180 DAYS AFTER INITIAL START-UP AND EVERY FIVE YEARS THEREAFTER UNLESS OTHERWISE APPROVED IN WRITING BY THE EXECUTIVE OFFICER.



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- B) THE SOURCE TESTS SHALL BE PERFORMED USING APPROVED DISTRICT METHODS TO VERIFY COMPLIANCE WITH NOX AND CO EMISSION LIMITS SPECIFIED BY THIS PERMIT.
- C) THE TESTS SHALL BE CONDUCTED WHILE THE BOILER IS FIRING AT MAXIMUM, MINIMUM, AND AVERAGE FIRING RATES.
- D) WRITTEN NOTICE OF THE SOURCE TESTS SHALL BE SUBMITTED TO THE DISTRICT AT LEAST 14 DAYS PRIOR TO TESTING SO THAT AN OBSERVER MAY BE PRESENT. THE NOTICE SHALL BE ADDRESSED TO:

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 COPLEY DRIVE
DIAMOND BAR, CA 91765
ATTN: REFINERY AND WASTE MANAGEMENT TEAM

- E) TWO COMPLETE COPIES OF THE SOURCE TEST RESULTS SHALL BE SUBMITTED TO THE DISTRICT WITHIN 45 DAYS OF COMPLETION OF THE TEST. THE REPORT SHALL INCLUDE, BUT NOT BE LIMITED TO, EMISSION 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 EXHAUST FLOW RATES, IN ACTUAL CUBIC FEET PER MINUTE (ACFM)
 - II. THE FIRING RATES, IN BTU/HOUR.
 - III. THE EXHAUST TEMPERATURE, IN DEGREES FAHRENHEIT.
 - IV. THE OXYGEN CONTENT OF THE EXHAUST GASES, IN PERCENT.
 - V. THE FUEL FLOW RATE.
- F) SAMPLING FACILITIES SHALL COMPLY WITH DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217. [RULE 1146, RULE 1303(a)(1)]

Periodic Monitoring:

NONE

Emissions And Requirements:

CO: 400 PPMV, RULE 1146
NOX: 30 PPMV, RULE 1146, RULE 1303(a)(1) - BACT
PM: 0.1 GRAIN/SCFM, RULE 409
CO: 2000 PPM, RULE 407
SO2: 500 PPM, RULE 407



AQMD

**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. F31378
A/N 351997**

Equipment Description:

SPRAY BOOTH, DEVILBISS, AUTOMOTIVE TYPE, 14'-1" W. X 33'-4" L. X 10'-0" H., WITH TEN 20" X 40" INLET AIR FILTERS, TWENTY-FOUR 20" X 25" EXHAUST FILTERS, AND ONE 1-HP EXHAUST FAN.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS SPRAY BOOTH SHALL NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH THE FILTER MEDIA.
[RULE 1303(a)(1)]
4. A GAUGE SHALL BE MAINTAINED TO INDICATE, IN INCHES OF WATER, THE PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. WHEN IN OPERATION, THE PRESSURE DIFFERENTIAL SHALL NOT EXCEED 0.25 INCH OF WATER.
[RULE 1303(a)(1)]
5. THE TOTAL QUANTITY OF VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS FROM THE USE OF COATINGS, THINNERS, REDUCERS AND CLEAN-UP SOLVENTS IN THIS EQUIPMENT AND ASSOCIATED OPERATIONS SHALL NOT EXCEED 182 POUNDS IN ANY CALENDAR MONTH. ASSOCIATED OPERATIONS INCLUDE, BUT ARE NOT LIMITED TO, SURFACE PREPARATION, EQUIPMENT CLEAN-UP, AND THE APPLICATION OF ANY OTHER MATERIALS TO PARTS THAT ARE SUBSEQUENTLY PROCESSED IN THE PERMITTED EQUIPMENT.
[RULE 1303(b)(2)]
6. THE OPERATOR SHALL COMPLY WITH RULE 109 (RECORDKEEPING FOR VOLATILE ORGANIC COMPOUND EMISSIONS).
[RULE 109]
7. IN ADDITION TO THE RECORD KEEPING REQUIREMENTS IN RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO VERIFY DAILY USAGE, VOLATILE ORGANIC COMPOUND (VOC) CONTENT AND DAILY AND MONTHLY VOC EMISSIONS FOR EACH COATING AND SOLVENT USED IN THIS EQUIPMENT. SUCH RECORDS SHALL BE RETAINED FOR A PERIOD OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1303(b)(2)][RULE 204]



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8. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY COMPOUNDS IDENTIFIED AS CARCINOGENIC AIR CONTAMINANTS IN RULE 1401 AS AMENDED AUGUST 13, 1999 OR EARLIER, EXCEPT COMPOUNDS LISTED UNDER MATERIAL SAFETY DATA SHEETS (MSDS) SUBMITTED WITH THE APPLICATION.
[RULE 1401][RULE 212]
9. MATERIAL SAFETY DATA SHEETS FOR ALL COATINGS AND SOLVENTS USED AT THIS FACILITY SHALL BE KEPT CURRENT AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1401][RULE 212]
10. THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS FACILITY TO VERIFY CALENDAR MONTHLY VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS IN POUNDS AND THE VOC CONTENT OF EACH MATERIAL AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS). ALL RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE SCAQMD.
[RULE 1303(b)(2)][RULE 204]
11. WITHIN 14 CALENDAR DAYS AFTER THE END OF EACH MONTH, THE OPERATOR SHALL TOTAL AND RECORD VOC EMISSIONS FOR THE MONTH. 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 INDIVIDUAL RESPONSIBLE FOR COMPLIANCE WITH THE SCAQMD RULES.
[RULE 1303(b)(2)][RULE 204]
12. THE OPERATOR SHALL RETAIN ALL PURCHASE INVOICES FOR ALL VOC-CONTAINING MATERIAL USED OR STORED, AND ALL WASTE MANIFESTS FOR ALL WASTE VOC-CONTAINING MATERIAL REMOVED, FOR FIVE YEARS.
[RULE 109][RULE 1303(b)(2)][RULE 204]

Periodic Monitoring:

13. THE OPERATOR SHALL DETERMINE AND RECORD THE PRESSURE DROP ACROSS THE FILTER MEDIA ONCE EVERY WEEK.
[RULE 3004 (a)(4)]

Emissions And Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
VOC: RULES 1107, 1151, 1171, SEE APPENDIX B FOR EMISSION LIMITS



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PERMIT TO OPERATE

Permit No. G15560
A/N 362229

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. TWO BLOWERS, EACH RATED AT MAXIMUM OF 20,000 CFM, VENTING THE FOREBAY AND AFTERBAY OF THE INTERMEDIATE PUMPING STATION (IPS).
2. TWO 3-STAGE SCRUBBERS, PACKED BED TYPE, IN PARALLEL, EACH 25'-0" L. X 9'-0" W. X 12'-0" H., EACH WITH A MIST ELIMINATOR, 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 CONCENTRATION OF HYDROGEN SULFIDE (H₂S) AT THE EXHAUST SHALL NOT EXCEED 1.0 PPMV, DAILY AVERAGE.
[RULE 402]
4. THE CONCENTRATION OF HYDROGEN SULFIDE AT THE EXHAUST SHALL BE MEASURED AND RECORDED DAILY.
[RULE 204]
5. A pH INDICATOR AND CONTROLLER SHALL BE INSTALLED AND MAINTAINED FOR EACH STAGE OF THE SCRUBBERS. THE pH OF THE SCRUBBING SOLUTION SHALL BE MAINTAINED AT 8.0 (DAILY AVERAGE) OR HIGHER WHEN USING SODIUM HYDROXIDE AND SHALL BE MONITORED AND RECORDED DAILY.
[RULE 204]
6. DIFFERENTIAL PRESSURE GAUGES INDICATING THE PRESSURE DROP ACROSS PACKING, AND SIGHT GLASSES FOR VISUAL MONITORING OF PACKING SHALL BE INSTALLED AND MAINTAINED FOR EACH STAGE OF THE SCRUBBERS. THE PACKING SHALL BE VISUALLY MONITORED FOR ADEQUATE WETTING AND POSSIBLE CLOGGING ON DAILY BASIS. THE DIFFERENTIAL PRESSURE DROP ACROSS THE PACKING SHALL BE MONITORED AND RECORDED DAILY. THE DIFFERENTIAL PRESSURE DROP ACROSS THE PACKING SHALL NOT EXCEED 6 INCHES OF WATER COLUMN, DAILY AVERAGE.
[RULE 204]



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7. A PRESSURE GAUGE INDICATING PSIG SHALL BE INSTALLED AND PROPERLY MAINTAINED AT THE DISCHARGE LINE OF EACH RECIRCULATION PUMP FOR EACH SCRUBBER. THE PRESSURE IN THE RECIRCULATION LINE SHALL BE MEASURED DAILY AND SHALL NOT EXCEED 25 PSIG, DAILY AVERAGE.
[RULE 204]

Periodic Monitoring:

NONE

Emissions And Requirements:

NONE



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. F48949
A/N 395160**

Equipment Description:

BOILER, BABCOX AND WILCOX, 63.4 MMBTU/HR, MODEL FM-3019, WATERTUBE TYPE, WITH AN ALZETA, MICRO-STAR ULTRA LOW NOX BURNER, DIGESTER GAS AND NATURAL GAS FIRED, AND A FLUE GAS RECIRCULATION SYSTEM, EXHAUSTING TO THE MAIN STACK, REPLACING THE AUXILIARY BOILER NO. 1, 39 MMBTU/HR, DIGESTER GAS FIRED, PERMITTED UNDER AQMD APPLICATION NUMBER 223334, PERMIT NO. D70546.

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 63.4 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)]
- 5) A CONTINUOUS EMISSION MONITORING SYSTEM (CEMS) SHALL BE INSTALLED AND OPERATED TO MEASURE AND RECORD THE EXHAUST CONCENTRATIONS OF NOX AND O2 ON DRY BASIS. IN ADDITION THE SYSTEM SHALL CONVERT THE ACTUAL NOX CONCENTRATIONS TO A CORRECTED NOX CONCENTRATIONS AT 3% O2, ON A DRY BASIS, AND CONTINUOUSLY RECORD STACK NOX, O2, AND CORRECTED NOX CONCENTRATIONS. THE CONCENTRATIONS SHALL BE MEASURED AT LEAST AT 3 MINUTES INTERVAL AND AVERAGED OVER A PERIOD OF 15 MINUTES. PRIOR TO INSTALLATION, THIS MONITORING SYSTEM (CEMS) SHALL BE APPROVED BY THE AQMD IN WRITING.
[RULE 1146][RULE 218]
- 6) 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)]



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- 7) DAILY RECORDS OF THE FUEL GAS CONSUMPTION, FUEL TYPE, EXHAUST NOX CONCENTRATIONS AND CORRECTED NOX CONCENTRATIONS SHALL BE KEPT AND MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.
[RULE 1303(a)(1)][RULE 204]

- 8) THIS BOILER SHALL NOT BE OPERATED WHEN AUXILIARY BOILER NO.1 (PERMITTED UNDER AQMD APPLICATION 223334) IS OPERATING. WITHIN 30 DAYS AFTER APPROVAL OF THE SOURCE TEST RESULTS BY THE AQMD, THE DECOMMISSIONING PROCESS OF THE AUXILIARY BOILER NO. 1 SHALL BEGIN.
[RULE 1303(b)(1)][RULE 1303(b)(2)][RULE 1401]



AQMD

FACILITY PERMIT TO OPERATE LA CITY, SANITATION BUREAU (HTP)

9) 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) A SOURCE TEST PROTOCOL SHALL BE SUBMITTED (IN DUPLICATE) TO REFINERY AND WASTE MANAGEMENT GROUP OF 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 TESTS, 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.
- D) THE SOURCE TESTS SHALL BE PERFORMED WHEN THE BOILER IS OPERATING AT MAXIMUM, MINIMUM, AND AVERAGE LOAD WHEN FIRING 1- 100% NATURAL GAS, AND 2- 100% DIGESTER GAS. THE SAMPLING TIME AT EACH LOAD SHALL BE FOR A MINIMUM OF 15 CONSECUTIVE MINUTES.
- E) TWO COPIES OF THE SOURCE TEST RESULTS SHALL BE SUBMITTED TO HASSAN NAMAKI WITHIN 60 DAYS OF THE TESTS. THE REPORT SHALL INCLUDE THE FOLLOWINGS:
 - 1. HEAT INPUT.
 - 2. TYPE OF FUEL.
 - 3. EXHAUST FLOW RATE.
 - 4. EXHAUST MOISTURE, OXYGEN, AND TEMPERATURE,
 - 5. OXIDES OF NITROGEN.
 - 6. CARBON MONOXIDE.
 - 7. PARTICULATE MATTER.
 - 8. TOTAL NON-METHANE HYDROCARBONS.

IN ADDITION TO THE ABOVE, THE BOILER SHALL BE TESTED FOR THE COMPOUNDS LISTED BELOW WHEN FIRING DIGESTER GAS AT AVERAGE LOAD:

- 1. ACETALDEHYDE
- 2. ACROLEIN
- 3. BENZENE
- 4. CARBON TETRACHLORIDE
- 5. CHLOROBENZENE
- 6. CHLOROFORM
- 7. 1,4(p)-DICHLOROBENZENE
- 8. 1,2-DICHLOROETHANE
- 9. FORMALDEHYDE



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10. METHYLENE CHLORIDE
11. STYRENE
12. TETRACHLOROETHYLENE
13. TOLUENE
14. TRICHLOROETHYLENE
15. 1,1,1-TRICHLOROETHANE
16. VINYL CHLORIDE
17. XYLENES

THE REPORT SHALL PRESENT THE EMISSIONS DATA IN PARTS PER MILLION VOLUME (PPMV)
AND POUNDS PER HOUR, ON DRY BASIS.
[RULE 1303(a)(1)][RULE 1401]

Periodic Monitoring:

NONE

Emissions And Requirements:

CO: 2000 PPM, RULE 407
CO: 100 PPMV, RULE 1303(a)(1) - BACT
CO: 400 PPMV, RULE 1146
NOX: 30 PPMV, RULE 1146,
NOX: 30 PPMV, RULE 1303(a)(1)-BACT (DIGESTER GAS)
NOX: 9 PPMV, RULE 1303(a)(1)-BACT (NATURAL GAS)
H2S: 40 PPMV, DIGESTER GAS, RULE 431.1
PM: 0.1 GRAIN/SCFM, RULE 409
SO2: 500 PPM, RULE 407



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. F57926
A/N 408154**

Equipment Description:

BOILER, DONLEE, MODEL NO. 582-SAHF-650-N, SERIAL NO. 28080, FIRETUBE, NATURAL GAS FIRED ONLY, WITH ONE LOW NOX BURMER, ALZETA PREMIX METAL FIBER, MODEL CSB22-SSO-30, RATED AT 28.8 MILLION BTU PER HOUR.

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 28.8 MMBTU PER HOUR.
[RULE 1303(b)(1)][RULE 1303(b)(2)]
- 4) THIS BOILER SHALL BE FIRED ON NATURAL GAS ONLY.
[RULE 1303(a)(1)]
- 5) SAMPLING PORTS SHALL BE INSTALLED AND MAINTAINED IN THE EXHAUST STACK OF THE BOILER. ADEQUATE AND SAFE ACCESS TO THE SAMPLING PORTS SHALL BE PROVIDED.
[RULE 1146][RULE 1303(a)(1)]
- 6) THE EMISSIONS FROM THIS EQUIPMENT SHALL NOT EXCEED THE FOLLOWING:

| EMISSION | LB/HR |
|----------|-------|
| CO | 1.086 |
| NOX | 0.321 |
| PM10 | 0.216 |
| ROG | 0.202 |
| SOX | 0.024 |

[RULE 1303(b)(2)]



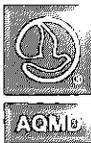
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7) THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT SOURCE TEST(S) UNDER THE FOLLOWING CONDITIONS:

- 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) A SOURCE TEST PROTOCOL SHALL BE SUBMITTED (IN DUPLICATE) TO REFINERY AND WASTE MANAGEMENT GROUP OF 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 TESTS, 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 AT LEAST ONCE EVERY FIVE YEARS THEREAFTER.
- D) THE SOURCE TESTS SHALL BE PERFORMED WHEN THE BOILER IS OPERATING AT MAXIMUM, MINIMUM, AND AVERAGE LOAD. THE SAMPLING TIME AT EACH LOAD SHALL BE FOR A MINIMUM OF 15 CONSECUTIVE MINUTES.
- E) TWO COPIES OF THE SOURCE TEST RESULTS SHALL BE SUBMITTED TO HASSAN NAMAKI WITHIN 60 DAYS OF THE TESTS. THE REPORT SHALL INCLUDE THE FOLLOWINGS:
 - 1. HEAT INPUT.
 - 2. EXHAUST FLOW RATE.
 - 3. EXHAUST MOISTURE, OXYGEN, AND TEMPERATURE,
 - 4. OXIDES OF NITROGEN.
 - 5. CARBON MONOXIDE.

THE REPORT SHALL PRESENT THE EMISSIONS DATA IN PARTS PER MILLION VOLUME (PPMV) AND POUNDS PER HOUR, ON DRY BASIS.
[RULE 1303(a)(1)-BACT]

8) DAILY RECORDS OF THE FUEL GAS CONSUMPTION SHALL BE KEPT AND MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.
[RULE 204]



FACILITY PERMIT TO OPERATE LA CITY, SANITATION BUREAU (HTP)

Periodic Monitoring:

NONE

Emissions And Requirements:

CO: 50 PPMV, RULE 1303(a)(1)-BACT
CO: 400 PPMV, RULE 1146
CO: 2000 PPMV, RULE 407
NOX: 30 PPMV, RULE 1146,
NOX: 9 PPMV, RULE 1303(a)(1)-BACT
PM: 0.1 GRAIN/SCFM, RULE 409
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMIT
SO2: 500 PPMV, RULE 407



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No.F66769
A/N 424861**

Equipment Description:

HIGH PURITY OXYGEN REACTOR'S AIR POLLUTION CONTROL SYSTEM NO. 1, CONSISTING OF:

1. TWO ACTIVATED CARBON VESSELS (ONE STANDBY), EACH WITH A 6' DIA. X 3' H. CARBON BED CONTAINING US FILTER MIDAS OCM CARBON OR EQUIVALENT.
2. TWO EXHAUST BLOWERS (ONE STANDBY), EACH 10 HP, 1080 CFM MAXIMUM CAPACITY, VENTING THE HIGH PURITY OXYGEN REACTOR INFLUENT CHANNELS.

Conditions:

1. CONSTRUCTION AND OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT TO CONSTRUCT 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. THE EXHAUST FAN ASSOCIATED WITH THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO THE CARBON VESSEL DESCRIBED IN THIS PERMIT. AT NO TIME, THE OPERATOR SHALL ALLOW THE ESCAPE OF RAW GAS INTO THE ATMOSPHERE.
[RULE 402]]
5. A PRESSURE GAUGE SHALL BE INSTALLED TO INDICATE, IN INCHES OF WATER COLUMN, THE PRESSURE DROP ACROSS THE CARBON ADSORBER.
[RULE 402]
6. THE PRESSURE DROP ACROSS THE CARBON ADSORBER SHALL NOT EXCEED 5.0 INCHES OF WATER COLUMN.
[RULE 402]
7. WHEN OPERATING, THE CONCENTRATION OF THE HYDROGEN SULFIDE AT THE OUTLET OF THE CARBON ADSORBER SHALL BE MEASURED AND RECORDED AT LEAST ONCE A WEEK.
[RULE 204]



FACILITY PERMIT TO OPERATE LA CITY, SANITATION BUREAU (HTP)

8. THE CONCENTRATION OF SULFUR COMPOUNDS MEASURED AS HYDROGEN SULFIDE (H₂S) AT THE OUTLET OF THE CARBON ADSORBER SHALL NOT EXCEED 1.0 PART PER MILLION VOLUME.
[RULE 402]
9. WHENEVER THE H₂S MONITORING INDICATE CONCENTRATION READINGS OF 0.9 OR GREATER, CARBON SHALL BE REPLACED.
[RULE 204][RULE 402]
10. SPENT CARBON REMOVED FROM THE SYSTEM SHALL BE MAINTAINED OR STORED IN CLOSED CONTAINERS PRIOR TO REMOVAL FROM SITE.
[RULE 402]
11. WITHIN 180 DAYS FROM THE INITIAL START-UP, UNLESS OTHERWISE APPROVED IN WRITING BY THE SCAQMD, SOURCE TESTS SHALL BE CONDUCTED ON THIS EQUIPMENT IN ACCORDANCE WITH SCAQMD TEST PROCEDURES AND WRITTEN TEST RESULTS SHALL BE FURNISHED TO THE SCAQMD WITHIN 60 DAYS AFTER TESTING. PRIOR TO TESTING, THE SCAQMD SHALL BE NOTIFIED 7 DAYS PRIOR TO TESTING SO THAT AN OBSERVER MAY BE PRESENT. SAMPLES SHALL BE TAKEN AT THE INLET AND THE OUTLET OF ONE OF THE CARBON VESSELS. THE SAMPLES SHALL BE SPECIATED AND SHALL INCLUDE BUT MAY NOT BE LIMITED TO THE COMPOUNDS LISTED BELOW:
 1. BENZENE
 2. CARBON TETRACHLORIDE
 3. CHLOROFORM
 4. CHLOROBENZENE
 5. DICHLOROBENZENE
 6. ETHYLBENZENE
 7. ETHYLENE DICHLORIDE
 8. METHYLENE CHLORIDE
 9. TETRACHLOROETHYLENE
 10. STYRENE
 11. 1,1,1-TRICHLOROETHANE
 12. TRICHLOROETHYLENE
 13. TOLUENE
 14. VINYL CHLORIDE
 15. VINYLIDENE CHLORIDE
 16. XYLENES
 17. MTBE
 18. TOTAL REDUCED SULFUR AS H₂S
 19. TOTAL NON METHANE HYDROCARBON AS CH₄
 20. AMMONIA

AFTER THE TESTS, A REPORT SHALL BE PREPARED AND SUBMITTED TO THE AQMD ENGINEER RESPONSIBLE FOR THE HYPERION PERMITTING ACTIVITIES. THE REPORT SHALL PRESENT THE EMISSION DATA IN PARTS PER MILLION VOLUME (PPMV).
[RULE 1401]



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12. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT ON FILE FOR AT LEAST FIVE YEARS AND BE MADE AVAILABLE TO THE SCAQMD UPON REQUEST.
[RULE 204]

Periodic Monitoring:

NONE

Emissions And Requirements:

NONE



FACILITY PERMIT TO OPERATE LA CITY, SANITATION BUREAU (HTP)

PERMIT TO OPERATE

Permit No. F66770
A/N 424862

Equipment Description:

HIGH PURITY OXYGEN REACTOR'S AIR POLLUTION CONTROL SYSTEM NO. 2, CONSISTING OF:

1. TWO ACTIVATED CARBON VESSELS (ONE STANDBY), EACH WITH A 6' DIA. X 3' H. CARBON BED CONTAINING US FILTER MIDAS OCM CARBON OR EQUIVALENT.
2. TWO EXHAUST BLOWERS (ONE STANDBY), EACH 10 HP, 1080 CFM MAXIMUM CAPACITY, VENTING THE HIGH PURITY OXYGEN REACTOR INFLUENT CHANNELS.

Conditions:

1. CONSTRUCTION AND OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT TO CONSTRUCT 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. THE EXHAUST FAN ASSOCIATED WITH THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO THE CARBON VESSEL DESCRIBED IN THIS PERMIT. AT NO TIME, THE OPERATOR SHALL ALLOW THE ESCAPE OF RAW GAS INTO THE ATMOSPHERE.
[RULE 402]]
5. A PRESSURE GAUGE SHALL BE INSTALLED TO INDICATE, IN INCHES OF WATER COLUMN, THE PRESSURE DROP ACROSS THE CARBON ADSORBER.
[RULE 402]
6. THE PRESSURE DROP ACROSS THE CARBON ADSORBER SHALL NOT EXCEED 5.0 INCHES OF WATER COLUMN.
[RULE 402]
7. WHEN OPERATING, THE CONCENTRATION OF THE HYDROGEN SULFIDE AT THE OUTLET OF THE CARBON ADSORBER SHALL BE MEASURED AND RECORDED AT LEAST ONCE A WEEK.
[RULE 204]]



**FACILITY PERMIT TO OPERATE
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8. THE CONCENTRATION OF SULFUR COMPOUNDS MEASURED AS HYDROGEN SULFIDE (H₂S) AT THE OUTLET OF THE CARBON ADSORBER SHALL NOT EXCEED 1.0 PART PER MILLION VOLUME.
[RULE 402]
9. WHENEVER THE H₂S MONITORING INDICATE CONCENTRATION READINGS OF 0.9 OR GREATER, CARBON SHALL BE REPLACED.
[RULE 204][RULE 402]
10. SPENT CARBON REMOVED FROM THE SYSTEM SHALL BE MAINTAINED OR STORED IN CLOSED CONTAINERS PRIOR TO REMOVAL FROM SITE.
[RULE 402]
11. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT ON FILE FOR AT LEAST FIVE YEARS AND BE MADE AVAILABLE TO THE SCAQMD UPON REQUEST.
[RULE 204]

Periodic Monitoring:

NONE

Emissions And Requirements:

NONE



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. F66771
A/N 424863**

Equipment Description:

HIGH PURITY OXYGEN REACTOR'S AIR POLLUTION CONTROL SYSTEM NO. 3, CONSISTING OF:

1. TWO ACTIVATED CARBON VESSELS (ONE STANDBY), EACH WITH A 6' DIA. X 3' H. CARBON BED CONTAINING US FILTER MIDAS OCM CARBON OR EQUIVALENT.
2. TWO EXHAUST BLOWERS (ONE STANDBY), EACH 10 HP, 1080 CFM MAXIMUM CAPACITY, VENTING THE HIGH PURITY OXYGEN REACTOR INFLUENT CHANNELS.

Conditions:

1. CONSTRUCTION AND OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT TO CONSTRUCT 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. THE EXHAUST FAN ASSOCIATED WITH THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO THE CARBON VESSEL DESCRIBED IN THIS PERMIT. AT NO TIME, THE OPERATOR SHALL ALLOW THE ESCAPE OF RAW GAS INTO THE ATMOSPHERE.
[RULE 402]]
5. A PRESSURE GAUGE SHALL BE INSTALLED TO INDICATE, IN INCHES OF WATER COLUMN, THE PRESSURE DROP ACROSS THE CARBON ADSORBER.
[RULE 402]
6. THE PRESSURE DROP ACROSS THE CARBON ADSORBER SHALL NOT EXCEED 5.0 INCHES OF WATER COLUMN.
[RULE 402]
7. WHEN OPERATING, THE CONCENTRATION OF THE HYDROGEN SULFIDE AT THE OUTLET OF THE CARBON ADSORBER SHALL BE MEASURED AND RECORDED AT LEAST ONCE A WEEK.
[RULE 204]



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8. THE CONCENTRATION OF SULFUR COMPOUNDS MEASURED AS HYDROGEN SULFIDE (H₂S) AT THE OUTLET OF THE CARBON ADSORBER SHALL NOT EXCEED 1.0 PART PER MILLION VOLUME.
[RULE 402]
9. WHENEVER THE H₂S MONITORING INDICATE CONCENTRATION READINGS OF 0.9 OR GREATER, CARBON SHALL BE REPLACED.
[RULE 204]]
10. SPENT CARBON REMOVED FROM THE SYSTEM SHALL BE MAINTAINED OR STORED IN CLOSED CONTAINERS PRIOR TO REMOVAL FROM SITE.
[RULE 402]
11. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT ON FILE FOR AT LEAST FIVE YEARS AND BE MADE AVAILABLE TO THE SCAQMD UPON REQUEST.
[RULE 204]

Periodic Monitoring:

NONE

Emissions And Requirements:

NONE



FACILITY PERMIT TO OPERATE LA CITY, SANITATION BUREAU (HTP)

PERMIT TO OPERATE

Permit No. F66848
A/N 425835

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, 6 CYLINDER, TURBOCHARGED, AFTERCOOLED, MODEL M I-G2, SERIAL NO 34934196, 380 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 1470]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 199 HOURS IN ANY ONE YEAR.
[RULE 1110.2, RULE 1304(a)(4), 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 1470]

Periodic Monitoring:

NONE

Emissions And Requirements:

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



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LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. F76326
A/N 438675**

Equipment Description:

ODOR CONTROL SYSTEM CONSISTING OF:

1. ONE CARBON VESSEL, APPROXIMATELY 10' D. X 12.5 H., WITH TWO 10' DIA. X 3' H. CARBON BEDS, EACH BED CONTAINING APPROXIMATELY 7000 LBS OF ACTIVATED CARBON.
2. TWO EXHAUST BLOWERS (ONE STANDBY), EACH 5 HP, 1000 CFM MAXIMUM CAPACITY, VENTING THE PLANT DESULFURIZATION OXIDIZER.

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 ODOR CONTROL EQUIPMENT SHALL BE OPERATING WHEN THE DESULFURIZATION SYSTEMS OXIDIZERS ARE OPERATING EXCEPT DURING CARBON CHANGE-OUT. A TEMPORARY AQMD PERMITTED ODOR CONTROL EQUIPMENT SHALL VENT THE DESULFURIZATION SYSTEM'S OXIDIZERS DURING CARBON CHANGE-OUT. THE TEMPORARY ODOR CONTROL EQUIPMENT, IN ADDITION TO THE PERMIT CONDITIONS ON THIS PERMIT, SHALL BE OPERATED IN COMPLIANCE WITH ALL CONDITIONS AS STATED IN ITS ORIGINAL PERMIT.
[RULE 402]
4. WHEN OPERATING, THE CONCENTRATION OF THE HYDROGEN SULFIDE AT THE OUTLET TO THE CARBON ADSORBER SHALL BE MEASURED AT LEAST ONCE A WEEK.
[RULE 204]
5. THE CONCENTRATION OF SULFUR COMPOUNDS MEASURED AS HYDROGEN SULFIDE (H₂S) AT THE OUTLET TO THE CARBON ADSORBER SHALL NOT EXCEED 1.0 PART PER MILLION VOLUME.
[RULE 402]
6. WHENEVER THE H₂S MONITORING INDICATE CONCENTRATION READINGS GREATER THAN 0.8 PPMV, THE CARBON SHALL BE REPLACED.
[RULE 204]
7. SPENT CARBON REMOVED FROM THE SYSTEM SHALL BE MAINTAINED OR STORED IN CLOSED CONTAINERS PRIOR TO REMOVAL FROM SITE.
[RULE 402]



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8. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL KEEP RECORDS OF 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]

Periodic Monitoring:

NONE

Emissions And Requirements:

NONE



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. F80905
A/N 454045**

Equipment Description:

INTERNAL COMBUSTION ENGINE, JOHN DEERE, 4 CYLINDER, TURBOCHARGED, AFTERCOOLED, MODEL 4045HF275H, SERIAL NO CD40456019900, 157 BHP, DIESEL FUEL 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 NON-RESETTABLE TOTALIZING TIMER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1470]
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 1470]
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 1110.2, RULE 1304(a)(4), RULE 1470]
6. 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: (A) 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 (B) 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.



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[RULE 1303(a)(1) - BACT, RULE 1470]

7. THIS EQUIPMENT SHALL BE A US-EPA NON-ROAD CERTIFIED COMPRESSION IGNITION ENGINE AS EVIDENCED BY THE MANUFACTURER'S ENGINE TAG OR LABEL.
[RULE 204]

Periodic Monitoring:

NONE

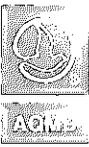
Emissions And Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

PM: RULE 1470

NOX + VOC: 4.9 GRAMS/BHP-HR - BACT



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO OPERATE

**Permit No. N20469
A/N 476101**

Equipment Description:

Fuel Storage and Dispensing Facility Consisting of:

- 1) 2 - GASOLINE BELLOWS-LESS NOZZLES DISPENSING 2 PRODUCTS, EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, HEALY PHASE II EVR NOT INCLUDING ISD (VR-201-D).
- 2) 1 - GASOLINE UNDERGROUND STORAGE TANK, 12,000-GALLON CAPACITY, EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM OPW (VR-102-A/H), 1 METHANOL COMPATIBLE.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. ALL PERMIT CONDITIONS APPLICABLE TO THE EQUIPMENT DESCRIBED IN THE PREVIOUS PERMIT TO OPERATE N13195 SHALL REMAIN IN EFFECT UNTIL THE NEW OR MODIFIED EQUIPMENT IS CONSTRUCTED AND OPERATED AS DESCRIBED IN THIS NEW PERMIT. THIS PERMIT TO CONSTRUCT/OPERATE SHALL BECOME INVALID IF THE MODIFICATION AS DESCRIBED IN THE EQUIPMENT DESCRIPTION HAS NOT BEEN COMPLETED WITHIN ONE YEAR FROM THE ISSUE DATE. IF THE MODIFICATION HAS NOT BEEN COMPLETED WITHIN ONE YEAR FROM THE ISSUE DATE OF THE PERMIT, A WRITTEN REQUEST SHALL BE SUBMITTED TO THE AQMD (ATTENTION: RANDY MATSUYAMA) TO REINSTATE THE PREVIOUSLY INACTIVATED PERMIT TO OPERATE. A NEW APPLICATION SHALL BE FILED IF THERE ARE PLANS TO CONTINUE WITH MODIFICATION. FURTHERMORE, THIS CONDITION DOES NOT ALLOW ANY TIME EXTENSIONS TO ANY MODIFICATIONS REQUIRED BY THE CALIFORNIA AIR RESOURCES BOARD OR AQMD.
[RULE 204]
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]



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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. THE DISTRICT AT ITS DISCRETION MAY WISH TO WITNESS THE INSTALLATION AND/OR PERFORMANCE TESTING OF THE HEALY PHASE II EVR SYSTEM NOT INCLUDING ISD AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE INSTALLATION AND PERFORMANCE TESTING OF THE HEALY PHASE II EVR SYSTEM NOT INCLUDING ISD, THE APPLICANT SHALL NOTIFY THE AQMD AT TELEPHONE NUMBER (866) 770-9140.
[RULE 461]
8. NEW EQUIPMENT INSTALLATIONS AND SUBSEQUENT SERVICE AND REPAIRS FOR ANY CERTIFIED COMPONENT FOR WHICH THIS PERMIT WAS ISSUED, SHALL ONLY BE PERFORMED BY A CURRENT AND CERTIFIED PERSON WHO HAS SUCCESSFULLY COMPLETED THE MANUFACTURER'S TRAINING COURSE. COMPLETION OF ANY AQMD TRAINING COURSE DOES NOT CONSTITUTE AS A SUBSTITUTE FOR THIS REQUIREMENT. PROOF OF SUCCESSFUL COMPLETION OF ANY MANUFACTURER TRAINING COURSE SHALL BE WITH THE MANUFACTURER.
[RULE 461]
9. AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO BACK-FILLING ANY UNDERGROUND STORAGE TANK OR PIPING, THE SCAQMD SHALL BE NOTIFIED BY E-MAIL AT R461BACKFILL@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTORS; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE BACK-FILLING PROCEDURE. THE BACKFILLING PROCEDURE SHALL NOT COMMENCE UNTIL INSPECTED BY A DISTRICT REPRESENTATIVE.
[RULE 461]
10. DEPENDING ON THE SYSTEM CONFIGURATION, A LEAK RATE TEST OF DROP TUBE/DRAIN VALVE ASSEMBLY SHALL BE CONDUCTED TO QUANTIFY THE PRESSURE INTEGRITY OF BOTH THE DROP TUBE AND DRAIN VALVE SEAL OR A LEAK RATE TEST OF DROP TUBE OVERFILL PREVENTION DEVICE AND 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 PERFORMANCE TEST AND AS A REVERIFICATION TEST. 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.
[RULE 461]
11. 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-201.1E. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND



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

[RULE 461]

- 12. A STATIC TORQUE TEST OF ROTATABLE PHASE I ADAPTORS SHALL BE CONDUCTED TO QUANTIFY THE AMOUNT OF STATIC TORQUE REQUIRED TO START THE ROTATION OF THE ROTATABLE PHASE I ADAPTORS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEST PROCEDURE METHOD OUTLINED IN TP-201.1B. AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO(72) HOURS OF TEST.
[RULE 461]

- 13. THE PHASE II VAPOR RECOVERY SYSTEM SHALL BE INSTALLED, OPERATED, AND MAINTAINED SUCH THAT THE MAXIMUM ALLOWABLE PRESSURE THROUGH THE RISER, 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 | 0.50 |

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 4 AND 6, AS A PERFORMANCE TEST. THIS TEST SHALL BE A ONE-TIME TEST AND THE RESULTS KEPT PERMANENTLY ON SITE. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TESTS.

[RULE 461]

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

[RULE 461]

- 15. A STATIC PRESSURE PERFORMANCE TEST FOR THE HEALY CLEAN AIR SEPARATOR USING BOTH THE VACUUM DECAY PROCEDURE AND THE POSITIVE PRESSURE PROCEDURE SHALL BE CONDUCTED TO QUANTIFY THE VAPOR TIGHTNESS OF THE TANK PRESSURE MANAGEMENT SYSTEM. THESE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 4 OF CARB EXECUTIVE ORDER VR-201-D AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

[RULE 461]



**FACILITY PERMIT TO OPERATE
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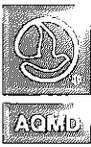
16. A VAPOR TO LIQUID VOLUME RATIO TEST SHALL BE CONDUCTED TO QUANTIFY THE VAPOR TO LIQUID (V/L) VOLUMETRIC RATIO OF THE HEALY CLEAN AIR SEPARATOR SYSTEM. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 5 OF CARB EXECUTIVE ORDER VR-201-D AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
17. A NOZZLE BAG TEST SHALL BE CONDUCTED ON THE HEALY PHASE II EVR NOZZLES TO VERIFY THE INTEGRITY OF THE VAPOR VALVE. THE TEST SHALL BE CONDUCTED ON ANY NEWLY INSTALLED OR REPLACED HEALY PHASE II EVR NOZZLES AND IN ACCORDANCE WITH EXHIBIT 7 OF CARB EXECUTIVE ORDER VR-201-D. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
18. THE STATIC PRESSURE LEAK DECAY TEST TP-201.3, SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 8 OF CARB EXECUTIVE ORDER VR-202-D. VERIFICATION OF COMPLETING EACH STEP AS OUTLINED SHALL BE DOCUMENTED BY SUBMITTING A COPY OF EXHIBIT 8 TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
19. THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO ANY OF THE ABOVE MENTIONED TESTING REQUIREMENTS. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR, THE NAME OF THE CONTRACTOR, THE LOCATION OF THE FACILITY, AND THE SCHEDULED START AND COMPLETION DATES OF THE TESTS TO BE PERFORMED.
[RULE 461]
20. 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]
21. 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 DISTRICT REPRESENTATIVES UPON REQUEST.
[RULE 204]
22. FOR ISD REQUIREMENTS ONLY, THIS FACILITY SHALL NOT DISPENSE MORE THAN 600,000 GALLONS OF GASOLINE PER CALENDAR YEAR. SHOULD THE FACILITY DISPENSE MORE THAN 600,000 GALLONS OF GASOLINE PER CALENDAR YEAR, THE OPERATOR SHALL IMMEDIATELY CEASE ALL GASOLINE DISPENSING OPERATIONS AND FILE AN APPLICATION FOR A PERMIT TO CONSTRUCT/OPERATE TO INSTALL A CARB CERTIFIED ISD SYSTEM. GASOLINE DISPENSING OPERATIONS SHALL NOT RESUME UNTIL THE ISD SYSTEM HAS BEEN GRANTED A PERMIT TO CONSTRUCT/OPERATE AND FULLY INSTALLED.
[RULE 461]



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23. THE MAXIMUM QUANTITY OF GASOLINE DISPENSED FROM THE STORAGE TANKS AT THIS FACILITY SHALL NOT EXCEED 10,000 GALLONS IN ANY ONE CALENDAR MONTH NOR 120,000 GALLONS IN ANY ONE CALENDAR YEAR.
[RULE 1303(b)(2)][RULE 1401]

24. RECORDS OF MONTHLY AND ANNUAL FUEL DISPENSED SHALL BE PREPARED, SHALL BE RETAINED ON SITE FOR TWO YEARS, AND SHALL BE MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.
[RULE 204]



FACILITY PERMIT TO OPERATE LA CITY, SANITATION BUREAU (HTP)

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS.

Periodic Monitoring:

1. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

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

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

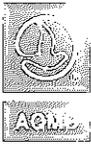
[RULE 3004 (a) (4)]

Emissions And Requirements:

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

VOC: RULE 1113, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS



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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, HAND WIPING OPERATIONS.

Emissions And Requirements:

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

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS



FACILITY PERMIT TO OPERATE LA CITY, SANITATION BUREAU (HTP)

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, OPEN TOP-VAPOR DEGREASERS, HEATED, < 1.0 FT².

Periodic Monitoring:

1. THE OPERATOR SHALL PERFORM A MONTHLY INSPECTION OF THE COVER TO ASSURE COMPLIANCE WITH RULE 1122 (c) (2)(A).
2. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH RULE 1122 (e)(6) REQUIREMENTS BY MEASURING THE TEMPERATURE AT THE CENTER OF THE AIR BLANKET ONCE A MONTH IF THE FREEBOARD REFRIGERATION DEVICE IS USED, OR MEASURING THE TEMPERATURE AT THE CENTER OF THE SUPERHEATED SOLVENT VAPOR ZONE ONCE A MONTH IF SUPERHEATED VAPOR SYSTEM IS USED. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS FACILITY PERMIT, THE OPERATOR SHALL KEEP RECORDS OF THE CORRECTIVE ACTIONS TAKEN WHEN THE MONITORING DEMONSTRATE NON COMPLIANCE.

Emissions And Requirements:

3. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
VOC: RULE 1122



FACILITY PERMIT TO OPERATE LA CITY, SANITATION BUREAU (HTP)

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS

Emissions And Requirements:

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



**FACILITY PERMIT TO OPERATE
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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, HALON UNITS

Emissions And Requirements:

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

HALON: RULE 1418



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

This section consists of a table listing all equipment with Permits to Construct and copies of all individual Permits to Construct issued to various equipment at the facility. Each permit 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, SANITATION BUREAU (HTP)**

**PERMITTED EQUIPMENT LIST
(Section H)**

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

| Application number | Permit to Construct | Equipment description | Page No. |
|---------------------------|----------------------------|--|-----------------|
| 281664 | PC | APC SYSTEM, LIQUID SCRUBBER – WASTE ACTIVATED SLUDGE THICKENING FACILITY | 4 |
| 388675 | PC | BOILER >10 MMBTU/HR, DIGES. GAS & N. GAS | 6 |
| 431055 | PC | APC SYSTEM, CAUSTIC SCRUBBERS, CARBON VESSELS – PRIMARY BATTERIES & INFLUENT/EFFLUENT CHANNELS | 9 |

NOTE: EQUIPMENT LISTED ABOVE HAVE NO CORRESPONDING PERMITS TO OPERATE NUMBER. THEY ARE ISSUED PERMITS TO CONSTRUCT (PC). THE ISSUANCE OR DENIAL OF THEIR PERMITS TO OPERATE IS SUBJECT TO ENGINEERING FINAL REVIEW.



FACILITY PERMIT TO OPERATE LA CITY, SANITATION BUREAU (HTP)

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. TOTAL SULFUR CONTENT OF THE DIGESTER GAS COMBUSTED AT THIS FACILITY OR SUPPLIED TO ANOTHER FACILITY SHALL NOT EXCEED 40 PPMV MEASURED AS H₂S.
[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]
5. SULFUR CONTENT OF FUEL OIL USED IN STATIONARY EMERGENCY COMPRESSION IGNITION INTERNAL COMBUSTION ENGINES SHALL NOT EXCEED 15 PPMV.
[RULE 1470]
6. THE OPERATOR SHALL MEASURE THE SULFUR CONTENT OF THE DIGESTER GAS ACCORDING TO THE FOLLOWING:
 - A. FOR READING UP TO 36 PPM AS H₂S, DIALY ANALYSIS OF THE DIGESTER GAS FOR H₂S, USING COLORIMETRIC TUBES, AND WEEKLY ANALYSIS OF THE DIGESTER GAS BY AQMD METHOD 307 – TOTAL SULFUR COMPOUNDS IN FUEL GAS BY GAS CHROMATOGRAPHY AND CHEMILUMINESCENCE DETECTOR.
 - B. FOR READING ABOVE 36 PPM AS H₂S 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]



**FACILITY PERMIT TO OPERATE
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PERMIT TO CONSTRUCT

**A/N 281664
Granted as of 1/25/1994**

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF THE FOLLOWING:

1. THREE PACKED TOWER SCRUBBERS (ONE STAND BY), EACH APPROXIMATELY 16'-0" H X 6'-0" DIA, WITH A RECIRCULATING PUMP.
2. EXHAUST SYSTEM WITH THREE CENTRIFUGAL EXHAUST FANS (ONE STAND BY), EACH 40 HP, VENTING THE WASTE ACTIVATED SLUDGE THICKENING FACILITY.
3. THREE RECIRCULATION PUMPS (ONE STAND BY), EACH 15 HP.
4. SIX CHEMICAL METERING PUMPS.
5. TWO CHEMICAL WASTE PUMPS (ONE STANBY).
6. DAY TANK, SODIUM HYDROXIDE (NaOH), 70-GALLON CAPACITY.
7. DAY TANK, SODIUM HYPOCHLORITE (NaOCl), 500-GALLON CAPACITY.

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 OPERATED AND MAINTAINED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]
4. A PRESSURE GAUGE SHALL BE INSTALLED TO INDICATE, IN INCHES OF WATER COLUMN, THE PRESSURE DROP ACROSS THE SCRUBBER.
[RULE 204]
5. THE PRESSURE DROP ACROSS THE SCRUBBER SHALL NOT EXCEED 4.0 INCHES OF WATER COLUMN.
[RULE 204]



FACILITY PERMIT TO OPERATE LA CITY, SANITATION BUREAU (HTP)

6. THE CONCENTRATION OF SULFUR COMPOUNDS, SHALL BE MEASURED DAILY IN EACH SCRUBBER EXHAUST, AS HYDROGEN SULFIDE (H₂s), AND SHALL NOT EXCEED 1.0 PPMV.
[RULE 402]
7. A PRESSURE GAUGE INDICATING PSIG SHALL BE INSTALLED AND PROPERLY MAINTAINED AT THE DISCHARGE LINE OF EACH RECIRCULATION PUMP FOR EACH SCRUBBER. DURING OPERATION OF THE AIR POLLUTION CONTROL SYSTEM, THE PRESSURE INDICATED BY EACH GAUGE SHALL BE MAINTAINED AT 25 PSIG.
[RULE 204]
8. A pH AND ORP METER SHALL BE INSTALLED AND PROPERLY MAINTAINED TO INDICATE THE pH AND ORP VALUE OF THE SCRUBBING SOLUTION USED IN EACH SCRUBBER. THE pH OF THE SCRUBBING SOLUTION SHALL BE MAINTAINED AT 8.0 OR HIGHER.
[RULE 204]
9. WITHIN 180 DAYS FROM THE INITIAL START-UP, UNLESS OTHERWISE APPROVED IN WRITING BY THE SCAQMD, SOURCE TESTS SHALL BE CONDUCTED ON THIS EQUIPMENT IN ACCORDANCE WITH SCAQMD TEST PROCEDURES AND WRITTEN TEST RESULTS SHALL BE FURNISHED TO THE SCAQMD WITHIN 60 DAYS AFTER TESTING. A SOURCE TEST PROTOCOL SHALL BE SUBMITTED AND APPROVED IN WRITING BY THE SCAQMD AT LEAST 30 DAYS PRIOR TO TESTING. THE SCAQMD SHALL BE NOTIFIED 7 DAYS PRIOR TO TESTING SO THAT AN OBSERVER MAY BE PRESENT. THESE SAMPLES SHALL BE TAKEN AT THE INLET AND OUTLET OF ONE PACKED BED SCRUBBER.

THESE SAMPLES SHALL BE ANALYZED FOR TOTAL NON-METHANE HYDROCARBONS, TRACE ORGANICS (BENZENE, CARBON TETRACHLORIDE, ETHYLENE, DICHLORIDE, CHLOROFORM, METHYLENE CHLORIDE, PERCHLOROETHYLENE, TOLUENE, FORMALDEHYDE, 1,1,1-TRICHLOROETHANE, TRICHLOROETHYLENE, AND VINYL CHLORIDE), SPECIATED ORGANIC SULFUR COMPOUNDS AND HYDROGEN SULFIDE AS APPROVED BY THE SCAQMD. THESE SAMPLES SHALL BE SPECIATED BY GAS CHROMATOGRAPHY THEIR VOLUME CONCENTRATION.

[RULE 204][RULE 1401]

Periodic Monitoring:

NONE

Emissions And Requirements:

NONE



FACILITY PERMIT TO OPERATE LA CITY, SANITATION BUREAU (HTP)

PERMIT TO CONSTRUCT

A/N 388675
Granted as of 12/14/2001

Equipment Description:

MODIFICATION TO THE BOILER NO. 2, BABCOX AND WILCOX, 70 MMBTU/HR (52.6 MMBTU/HR ACTUAL) WITH A COEN LOW NOX BURNER, AND A FLUE GAS RECIRCULATION BLOWER, DIGESTER GAS AND NATURAL GAS FIRED, EXHAUSTING TO THE MAIN STACK, PERMITTED UNDER AQMD APPLICATION NUMBER 296987.

BY REPLACEMENT OF THE BURNER WITH AN ALZETA, MICRO-STAR, 62.1 MMBTU/HR, ULTRA LOW NOX BURNER, 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 62.1 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)]
5. A CONTINUOUS EMISSION MONITORING SYSTEM (CEMS) SHALL BE INSTALLED AND OPERATED TO MEASURE AND RECORD THE EXHAUST CONCENTRATIONS OF NOX AND O2 ON DRY BASIS. IN ADDITION THE SYSTEM SHALL CONVERT THE ACTUAL NOX CONCENTRATIONS TO A CORRECTED NOX CONCENTRATIONS AT 3% O2, ON A DRY BASIS, AND CONTINUOUSLY RECORD STACK NOX, O2, AND CORRECTED NOX CONCENTRATIONS. THE CONCENTRATIONS SHALL BE MEASURED AT LEAST AT 3 MINUTES INTERVAL AND AVERAGED OVER A PERIOD OF 15 MINUTES. PRIOR TO INSTALLATION, THIS MONITORING SYSTEM (CEMS) SHALL BE APPROVED BY THE AQMD IN WRITING.
[RULE 1146][RULE 218]



FACILITY PERMIT TO OPERATE LA CITY, SANITATION BUREAU (HTP)

6. 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) A SOURCE TEST PROTOCOL SHALL BE SUBMITTED (IN DUPLICATE) TO ABDI MAJIDIFAR, REFINERY AND WASTE MANAGEMENT PERMITTING OF 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 TESTS, 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.
- D) THE SOURCE TESTS SHALL BE PERFORMED WHEN THE BOILER IS OPERATING AT MAXIMUM, MINIMUM, AND AVERAGE LOAD WHEN FIRING 1- 100% NATURAL GAS, AND 2- 100% DIGESTER GAS. THE SAMPLING TIME AT EACH LOAD SHALL BE FOR A MINIMUM OF 15 CONSECUTIVE MINUTES.
- E) TWO COPIES OF THE SOURCE TEST RESULTS SHALL BE SUBMITTED TO HASSAN NAMAKI WITHIN 60 DAYS OF THE TESTS. THE REPORT SHALL INCLUDE THE FOLLOWINGS:
 - 1. HEAT INPUT.
 - 2. TYPE OF FUEL.
 - 3. EXHAUST FLOW RATE.
 - 4. EXHAUST MOISTURE, OXYGEN, AND TEMPERATURE,
 - 5. OXIDES OF NITROGEN.
 - 6. CARBON MONOXIDE.
 - 7. PARTICULATE MATTER.
 - 8. TOTAL NON-METHANE HYDROCARBONS.

IN ADDITION TO THE ABOVE, THE BOILER SHALL BE TESTED FOR THE COMPOUNDS LISTED BELOW WHEN FIRING DIGESTER GAS AT AVERAGE LOAD:

- 1. ACETALDEHYDE
- 2. ACROLEIN
- 3. BENZENE
- 4. CARBON TETRACHLORIDE
- 5. CHLOROBENZENE
- 6. CHLOROFORM
- 7. 1,4(p)-DICHLOROBENZENE
- 8. 1,2-DICHLOROETHANE
- 9. FORMALDEHYDE



FACILITY PERMIT TO OPERATE LA CITY, SANITATION BUREAU (HTP)

10. METHYLENE CHLORIDE
11. STYRENE
12. TETRACHLOROETHYLENE
13. TOLUENE
14. TRICHLOROETHYLENE
15. 1,1,1-TRICHLOROETHANE
16. VINYL CHLORIDE
17. XYLENES

THE REPORT SHALL PRESENT THE EMISSIONS DATA IN PARTS PER MILLION VOLUME (PPMV) AND POUNDS PER HOUR, ON DRY BASIS.
[RULE 1303(a)(1)][RULE 1401]

7. DAILY RECORDS OF THE FUEL GAS CONSUMPTION, FUEL TYPE, EXHAUST NOX CONCENTRATIONS AND CORRECTED NOX CONCENTRATIONS SHALL BE KEPT AND MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.
[RULE 218][RULE 1146]
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 217]

Periodic Monitoring:

NONE

Emissions And Requirements:

CO: 400 PPMV, RULE 1146
CO: 100 PPMV, RULE 1303(a)(1)-BACT
CO: 2000 PPM, RULE 407
NOX: 30 PPMV, RULE 1146,
NOX: 30 PPMV, RULE 1303(a)(1)-BACT (DIGESTER GAS)
NOX: 9 PPMV, RULE 1303(a)(1)-BACT (NATURAL GAS)
PM: 0.1 GRAIN/SCFM, RULE 409
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMIT
SO2: 500 PPM, RULE 407



**FACILITY PERMIT TO OPERATE
LA CITY, SANITATION BUREAU (HTP)**

PERMIT TO CONSTRUCT

**A/N 431055
Granted as of 12/08/2004**

Equipment Description:

MODIFICATION TO AIR POLLUTION CONTROL SYSTEM, GRANTED A PERMIT TO CONSTRUCT UNDER A/N 352003, CONSISTING OF:

1. THREE IDENTICAL CAUSTIC SCRUBBERS OPERATING IN PARALLEL, EACH SCRUBBER WITH 20,000 CFM BLOWER, THREE STAGE, PACKED BED TYPE, EACH 25' L. X 9' W. X 12' H., EACH STAGE WITH SCRUBBING SOLUTION RECIRCULATING PUMP, pH MONITORING AND METERING PUMP, AND PRESSURE DIFFERENTIAL GAUGE.
2. SIX IDENTICAL CARBON VESSELS, EACH 10,000 CFM DESIGN CAPACITY, TWO CARBON VESSELS PER SCRUBBER, OPERATING IN PARALLEL, EACH CARBON VESSEL WITH TWO CARBON BEDS, EACH CARBON BED WITH PRESSURE DIFFERENTIAL GAUGE.
3. EXHAUST SYSTEM VENTING THE PRIMARY A, B & C BATTERIES, AND A, B, C, & D INFLUENT AND EFFLUENT CHANNELS, WITH DUCTING AND HEADERS, 60,000 CFM CAPACITY.

BY THE ADDITION OF:

4. THREE IDENTICAL CAUSTIC SCRUBBERS OPERATING IN PARALLEL, EACH SCRUBBER WITH 20,000 CFM BLOWER, THREE STAGE, PACKED BED TYPE, EACH 25' L. X 9' W. X 12' H., EACH STAGE WITH SCRUBBING SOLUTION RECIRCULATING PUMP, pH MONITORING AND METERING PUMP, AND PRESSURE DIFFERENTIAL GAUGE.
5. SIX IDENTICAL CARBON VESSELS, EACH 10,000 CFM DESIGN CAPACITY, TWO CARBON VESSELS PER SCRUBBER, OPERATING IN PARALLEL, EACH CARBON VESSEL WITH TWO CARBON BEDS, EACH CARBON BED WITH PRESSURE DIFFERENTIAL GAUGE.
6. EXHAUST SYSTEM VENTING THE PRIMARY D BATTERY, PRIMARY SLUDGE WETWELLS, AND INTERMEDIATE PUMPING STATION, WITH DUCTING AND HEADERS, 60,000 CFM CAPACITY.

Conditions:

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



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- 3) WHEN A SCRUBBER-CARBON TRAIN SYSTEM OF THE AIR POLLUTION CONTROL SYSTEM IS NOT FULLY FUNCTIONAL, THE BLOWER ASSOCIATED WITH THAT SCRUBBER-CARBON TRAIN SHALL REMAIN SHUTDOWN UNTIL THE PROBLEMS ARE DETERMINED AND ELIMINATED.
[RULE 204]
- 4) THE CONCENTRATION OF HYDROGEN SULFIDE (H₂S) AT THE EXHAUST SHALL NOT EXCEED 1.0 PPMV.
[RULE 402]
- 5) ACTIVE DILUTION AIR SHALL NOT BE INTRODUCED WITHOUT PRIOR WRITTEN APPROVAL OF THE EXECUTIVE OFFICER.
[RULE 204]
- 6) THE CONCENTRATION OF HYDROGEN SULFIDE AT THE EXHAUST SHALL BE MEASURED AND RECORDED AT LEAST ONCE EACH DAY.
[RULE 204]
- 7) FLOWMETERS INDICATING THE SCRUBBING SOLUTION FLOWRATES IN GALLONS PER MINUTE SHALL BE INSTALLED FOR EACH SCRUBBING STAGE. THE SCRUBBING SOLUTION FLOWRATES SHALL BE MONITORED AND RECORDED DAILY.
[RULE 204]
- 8) THE SCRUBBING SOLUTION FLOWRATES SHALL BE SET AT FLOWRATES WHICH PROVIDES THE MAXIMUM SULFUR REMOVAL. THESE FLOWRATES SHALL BE DETERMINED DURING THE SCRUBBERS OPTIMIZATION WORKS AND SHALL BE VERIFIED BY PERFORMANCE TESTS.
[RULE 204]
- 9) A pH INDICATOR AND CONTROLLER SHALL BE INSTALLED AND MAINTAINED FOR EACH STAGE OF THE SCRUBBERS. THE pH OF THE SCRUBBING SOLUTIONS SHALL BE DETERMINED DURING THE SCRUBBER OPTIMIZATION WORKS AND SHALL BE VERIFIED WITH PERFORMANCE TESTS. THE pH OF THE SCRUBBING SOLUTIONS SHALL BE MONITORED AND RECORDED DAILY.
[RULE 204]
- 10) MODULES SHALL BE INSTALLED AND MAINTAINED TO AUTOMATICALLY CONTROL THE FLOW OF CAUSTIC AND THE MAKE-UP WATER TO EACH SCRUBBING STAGE OF THE SCRUBBERS.
[RULE 204]
- 11) DIFFERENTIAL PRESSURE GAGES INDICATING THE PRESSURE DROP ACROSS PACKING, AND SIGHT GLASSES FOR VISUAL MONITORING OF PACKING SHALL BE INSTALLED AND MAINTAINED FOR EACH STAGE OF THE SCRUBBERS. THE PACKING SHALL BE VISUALLY MONITORED FOR ADEQUATE WETTING AND POSSIBLE CLOGGING ON DAILY BASIS. THE PRESSURE DROP ACROSS THE PACKING SHALL BE MONITORED AND RECORDED DAILY.
[RULE 204]
- 12) DIFFERENTIAL PRESSURE GAGES INDICATING THE PRESSURE DROP ACROSS EACH CARBON BED SHALL BE INSTALLED AND MAINTAINED FOR EACH CARBON VESSEL. THE PRESSURE DROP ACROSS THE CARBON BEDS SHALL BE MONITORED AND RECORDED DAILY.
[RULE 204]



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13) THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT THE SOURCE TESTS 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 SOURCE TESTS.
- (B) A SOURCE TEST PROTOCOL SHALL BE SUBMITTED IN DUPLICATE TO THE ENGINEER IDENTIFIED ON THE PERMIT TO CONSTRUCT WITHIN 30 DAYS AFTER INITIAL START-UP AND SHALL BE APPROVED BY THE SCAQMD BEFORE THE TEST COMMENCES. THE PROTOCOL SHALL INCLUDE PROPOSED OPERATING CONDITIONS OF THE EQUIPMENT DURING THE TEST, AND 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.
- (D) THE TESTS SHALL BE CONDUCTED AT THE INLET TO EACH SCRUBBER AND AT THE INLET AND THE OUTLET EACH ASSOCIATED CARBON VESSEL UNDER AIR POLLUTION CONTROL SYSTEM NORMAL OPERATING CONDITIONS. THE TESTS SHALL INCLUDE BUT MAY NOT BE LIMITED TO THE COMPOUNDS LISTED BELOW:

1. BENZENE
2. CARBON TETRACHLORIDE
3. CHLOROFORM
4. DICHLOROBENZENE
5. 1,4 DIOXANE
6. ETHYLENE DIBROMIDE
7. ETHYLENE DICHLORIDE
8. METHYLENE CHLORIDE
9. TETRACHLOROETHYLENE
10. STYRENE
11. 1,1,1-TRICHLOROETHANE
12. TRICHLOROETHYLENE
13. TRICHLOROFLUOROMETHANE
14. TOLUENE
15. VINYL CHLORIDE
16. XYLENES
17. AMMONIA
18. HYDROGEN SULFIDE
19. CARBONYL SULFIDE
20. CARBON DISULFIDE
21. METHYL MERCAPTAN
22. ETHYL MERCAPTAN
23. DIMETHYL SULFIDE
24. ISO-PROPYL MERCAPTAN
25. N-PROPYL MERCAPTAN
26. DIMETHYL DISULFIDE



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- 27. VINYLIDENE CHLORIDE
- 28. MTBE
- 29. ETHYL BENZENE
- 30. TOTAL NON-METHANE ORGANIC
- 31. HEXAVALENT CHROMIUM
- 32. NICKEL

- (E) THE OPERATING PARAMETERS OF THE SCRUBBERS-CARBON TRAIN INCLUDING THE VAPOR FLOW RATE, SCRUBBING SOLUTION FLOWRATES AND pH, TYPE OF CAUSTIC USED IN EACH STAGE, AND THE PRESSURE DIFFERENTIAL ACROSS EACH SCRUBBING STAGE AND EACH CARBON BED SHALL BE RECORDED AND INCLUDED IN SOURCE TEST REPORT.
 - (F) TWO COPIES OF A SOURCE TEST REPORT INCLUDING THE SOURCE TEST RESULTS AND OPERATING PARAMETERS INDICATED ABOVE SHALL BE SUBMITTED TO THE AQMD ENGINEER IDENTIFIED ON THE PERMIT TO CONSTRUCT WITHIN 60 DAYS OF THE TESTS. THE REPORT SHALL PRESENT THE EMISSIONS DATA IN PARTS PER MILLION VOLUME (PPMV) AND POUNDS PER HOUR.
[RULE 204][RULE 1401]
- 14) CARBON SHALL BE REPLACED WHENEVER H₂S BREAK THROUGH. SPENT CARBON REMOVED FROM THE SYSTEM SHALL BE MAINTAINED OR STORED IN CLOSED CONTAINER PRIOR TO REMOVAL FROM SITE.
[RULE 402]

Periodic Monitoring:

NONE

Emissions And Requirements:

NONE