



South Coast Air Quality Management District



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

May 21, 2014

Mr. Dylan Wright
Director, OC Waste & Recycling
300 N. Flower Street, Suite 400
Santa Ana, CA 92703

Subject: Administrative Revision to Title V Facility Permit
OC Waste & Recycling, Santiago (Facility ID 52743)

Dear Mr. Wright,

Enclosed please find the revised Title V facility permit for the OC Waste & Recycling, Santiago Canyon Landfill (Facility ID 52743), located at 3099 Santiago Canyon Road, Orange, California.

The administrative permit revision is to Section A and Section D as follows (No EPA review or public notice is required).

SECTION A: Facility Information

Administrative revision includes Responsible Official's Title revised to Director and Contact Person's Title revised as Manager, Environmental Services.

SECTION D: Facility Equipment and Requirements

Appl. No./ Permit No.	Equipment	Description
559020/G31151	Enclosed Flaring System, LFG	Revise equipment description to change number of blowers from three (3) to two (2), under Equipment Description item No. 3.

Please review the attached pages carefully. Insert the Title Page, Table of Contents, Section A and Section D in your Title V Facility Permit and discard the earlier version. Questions concerning this revised permit should be directed to Mr. Gaurang Rawal at (909) 396-2543.

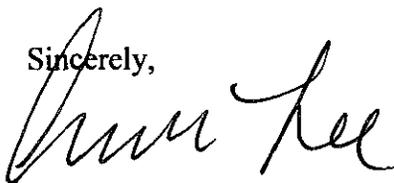
Mr. Dylan Wright
Title V Facility Permit Revision

2

May 21, 2014

The operation of your facilities is bound by the conditions and/or requirements stated in your Facility Permit to Operate. If you determine any administrative errors, please contact Mr. Gaurang Rawal at the above number within 30 days of receipt of your permit.

Sincerely,



Andrew Y. Lee, P.E.
Senior AQ Engineering Manager
Energy/Public Services/Waste Mgmt/Terminals-
Permitting

AYL: CDT: GCR

cc: w/ enclosure
Geraldo Rios, EPA Region IX
Compliance
Title V Central File
Title V Revision, A/N 559021



FACILITY PERMIT TO OPERATE

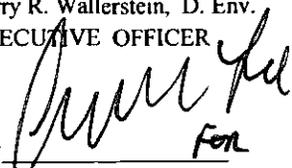
**OC WASTE & RECYCLING, SANTIAGO
3099 SANTIAGO CYN RD
ORANGE, CA 92862**

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



FACILITY PERMIT TO OPERATE OC WASTE & RECYCLING, SANTIAGO

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FACILITY PERMIT TO OPERATE OC WASTE & RECYCLING, SANTIAGO

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: OC WASTE & RECYCLING, SANTIAGO

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 3099 SANTIAGO CYN RD
ORANGE, CA 92862

MAILING ADDRESS: 300 N FLOWER ST #400
SANTA ANA, CA 92703

RESPONSIBLE OFFICIAL: DYLAN WRIGHT

TITLE: DIRECTOR

TELEPHONE NUMBER: (714) 834-4122

CONTACT PERSON: JEFF ARBOUR

TITLE: MANAGER, ENVIRONMENTAL SERVICES

TELEPHONE NUMBER: (714) 834-4056

TITLE V PERMIT ISSUED: October 06, 2011

TITLE V PERMIT EXPIRATION DATE: October 05, 2016

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



**FACILITY PERMIT TO OPERATE
OC WASTE & RECYCLING, SANTIAGO**

**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 OC WASTE & RECYCLING, SANTIAGO

PERMITTED EQUIPMENT LIST

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

Application Number	Permit to Operate Number	Equipment Description	Page No.
338776	F13641	LANDFILL GAS COLLECTION (>50 WELLS)	5
441050	F77552	LANDFILL CONDENSATE/LEACHATE/COLLECTION	10
559020	G31151	FLARE, ENCLOSED LANDFILL/DIGESTER GAS	13

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



FACILITY PERMIT TO OPERATE OC WASTE & RECYCLING, SANTIAGO

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 LANDFILL GAS CONTAINING SULFUR COMPOUNDS IN EXCESS OF 150 PPMV CALCULATED AS HYDROGEN SULFIDE AVERAGED DAILY.
[RULE 431.1]
3. THE OWNER/OPERATOR OF A MSW LANDFILL SHALL COMPLY WITH THE FOLLOWING:
 - A. INSTALL AND OPERATE A WIND SPEED AND DIRECTION MONITORING SYSTEM WITH A CONTINUOUS RECORDER. FOR WIND SPEED, USE A 3 CUP ASSEMBLY WITH A RANGE OF 0 TO 50 MILES AN HOUR, WITH A THRESHOLD OF 0.75 MILE PER HOUR OR LESS. FOR WIND DIRECTION, USE A VANE WITH A RANGE OF 0 TO 540 DEGREES AZIMUTH, WITH A THRESHOLD OF PLUS-MINUS 2 DEGREES. AN APPROVED ALTERNATIVE MAY BE USED IN LIEU OF THE ABOVE.
[RULE 1150.1]
 - B. MONITOR AND COLLECT MONTHLY, OR AS PER THE APPROVED 1150.1 ALTERNATIVE, SAMPLES FOR ANALYSIS OF TOC AND TAC FROM THE SUBSURFACE REFUSE BOUNDARY SAMPLING PROBES.
[RULE 1150.1]
 - C. OPERATE THE GAS COLLECTION AND CONTROL SYSTEM TO PREVENT THE CONCENTRATION OF TOC MEASURED AS METHANE FROM EXCEEDING 5% BY VOLUME IN THE SUBSURFACE REFUSE BOUNDARY SAMPLING PROBES.
[RULE 1150.1]
 - D. COLLECT MONTHLY, OR AS PER THE APPROVED 1150.1 ALTERNATIVE, INTEGRATED SAMPLES FOR ANALYSIS OF TOC AND TAC FROM THE LANDFILL SURFACE.
[RULE 1150.1]
 - E. OPERATE THE GAS COLLECTION AND CONTROL SYSTEM TO PREVENT THE CONCENTRATION OF TOC MEASURED AS METHANE FROM EXCEEDING 25 PPMV AS DETERMINED BY INTEGRATED SAMPLES TAKEN ON NUMBERED 50,000 SQUARE FOOT LANDFILL GRIDS OR AS PER THE APPROVED 1150.1 ALTERNATIVE
[RULE 1150.1]



FACILITY PERMIT TO OPERATE OC WASTE & RECYCLING, SANTIAGO

- F. MONITOR QUARTERLY, OR AS PER THE APPROVED 1150.1 ALTERNATIVE, THE LANDFILL SURFACE FOR TOC.
[RULE 1150.1]
- G. OPERATE THE GAS COLLECTION AND CONTROL SYSTEM TO PREVENT THE CONCENTRATION OF TOC MEASURED AS METHANE FROM EXCEEDING 500 PPMV ABOVE BACKGROUND AS DETERMINED BY INSTANTANEOUS MONITORING AT ANY LOCATION ON THE LANDFILL, EXCEPT AT THE OUTLET OF ANY CONTROL DEVICE.
[RULE 1150.1]
- H. OPERATE THE GAS COLLECTION AND CONTROL SYSTEM SO THAT THERE ARE NO LEAKS THAT EXCEED 500 PPMV TOC MEASURED AS METHANE AT ANY COMPONENT UNDER POSITIVE PRESSURE.
[RULE 1150.1]
- I. COLLECT MONTHLY, OR AS PER THE APPROVED 1150.1 ALTERNATIVE, LANDFILL GAS SAMPLES FOR ANALYSIS OF TOC AND TAC FROM THE MAIN GAS COLLECTION HEADER LINE ENTERING THE GAS TREATMENT AND/OR GAS CONTROL SYSTEM.
[RULE 1150.1]
- J. COLLECT MONTHLY, OR AS PER THE APPROVED 1150.1 ALTERNATIVE, AMBIENT AIR SAMPLES FOR ANALYSIS OF TOC AND TAC FROM THE LANDFILL PROPERTY BOUNDARY.
[RULE 1150.1]
- K. OPERATE THE GAS COLLECTION AND CONTROL SYSTEM AT ALL TIMES FOR LANDFILLS WITH ACTIVE COLLECTION SYSTEMS.
[RULE 1150.1]
- L. OPERATE ALL WELLHEADS SO THE GAUGE PRESSURE IS UNDER A CONSTANT VACUUM, EXCEPT DURING WELL HEAD RAISING AND/OR REPAIR AND TEMPORARY SHUTDOWN DUE TO A CATASTROPHIC EVENT.
[RULE 1150.1]



FACILITY PERMIT TO OPERATE OC WASTE & RECYCLING, SANTIAGO

PERMIT TO OPERATE

Permit No. F13641
A/N 338776

Equipment Description:

LANDFILL GAS COLLECTION SYSTEM CONSISTING OF:

1. PHASE I:

- A. TRENCH NUMBER (A-1), 2'-0" W. X 1200'-0" L X 4'-0" D
- B. TRENCH NUMBER (B-1), 2'-0" W. X 1250'-0" L X 4'-0" D
- C. TRENCH NUMBER (C-1), 2'-0" W. X 1125'-0" L X 4'-0" D
- D. TRENCH NUMBER (D-1), 2'-0" W. X 925'-0" L X 4'-0" D
- E. TRENCH NUMBER (E-1), 2'-0" W. X 750'-0" L X 4'-0" D
- F. TRENCH NUMBER (F-1), 2'-0" W. X 750'-0" L X 4'-0" D

EACH FILLED WITH NO. 2 GRAVEL AND ALTERNATING 10'-0" LENGTHS OF 12" DIAMETER AND 15" DIAMETER POLYETHYLENE COATED CORRUGATED STEEL PIPE.

- G. TRENCH NUMBER (G-1), 3'-0" W. X 2000'-0" L. X 5'-0" D

FILLED WITH NO. 2 GRAVEL AND ALTERNATING 10'-0" LENGTHS OF 10" DIAMETER AND 12" DIAMETER POLYETHYLENE COATED CORRUGATED STEEL PIPE, STARTING AT 1100 FOOT ELEVATION DOWN TO 950 FOOT ELEVATION, WITH 14 MIL POLYETHYLENE LINER

2. PHASE II:

- A. TRENCH NUMBER (A-2), 2'-0" W. X 1500'-0" L X 4'-0" D
- B. TRENCH NUMBER (B-2), 2'-0" W. X 1650'-0" L X 4'-0" D
- C. TRENCH NUMBER (C-2), 2'-0" W. X 1650'-0" L X 4'-0" D
- D. TRENCH NUMBER (D-2), 2'-0" W. X 1500'-0" L X 4'-0" D
- E. TRENCH NUMBER (E-2), 2'-0" W. X 1400'-0" L X 4'-0" D
- F. TRENCH NUMBER (F-2), 2'-0" W. X 1500'-0" L X 4'-0" D

EACH FILLED WITH NO. 2 GRAVEL AND ALTERNATING 10'-0" LENGTHS OF 12" DIAMETER AND 15" DIAMETER POLYETHYLENE COATED CORRUGATED STEEL PIPE.

3. PHASE III:

- A. TRENCH NUMBER (A-3), 2'-0" W. X 1000'-0" L X 4'-0" D
- B. TRENCH NUMBER (B-3), 2'-0" W. X 1000'-0" L X 4'-0" D
- C. TRENCH NUMBER (C-3), 2'-0" W. X 1000'-0" L X 4'-0" D
- D. TRENCH NUMBER (D-3), 2'-0" W. X 1000'-0" L X 4'-0" D
- E. TRENCH NUMBER (E-3), 2'-0" W. X 1000'-0" L X 4'-0" D
- F. TRENCH NUMBER (F-3), 2'-0" W. X 1000'-0" L X 4'-0" D

EACH FILLED WITH NO. 2 GRAVEL 8" HDPE PERFORATED PIPE.



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4. SEVENTY (70) VERTICAL LANDFILL GAS COLLECTION WELLS (EW-1 THRU EW-70), 24" DIAMETER BOREHOLE, RANGING FROM 40' TO 100' DEEP, EACH WITH 4" DIAMETER HDPE SLOTTED CASING.
5. LATERALS AND HEADERS, HDPE AND PVC, CONNECTING THE VERTICAL AND HORIZONTAL WELLS TO A GAS COMBUSTION FACILITY.
6. SIXTEEN (16) PHASE IV HORIZONTAL COLLECTORS (A4, B4, C4, D4, E4, F4, G4, H4, I4, J4, K4, L4, M4, N4, O4, P4), PERFORATED HDPE IN GRAVEL TRENCHES 4' DEEP AND 2' WIDE, WELL HEADS AND ASSOCIATED LATERAL PIPING TO CONNECT HORIZONTAL COLLECTORS WITH THE HEADER, TO BE ADDED AS NEEDED.
7. SIXTY-TWO (62) VERTICAL LANDFILL GAS COLLECTION WELLS (EW-71 THRU EW-132), 24" DIAMETER BOREHOLE, RANGING FROM 40' TO 100' DEEP, EACH WITH 4" DIAMETER HDPE SLOTTED CASING, TO BE ADDED AS NEEDED.

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. ALL GASES COLLECTED BY THIS SYSTEM SHALL BE VENTED TO A GAS PROCESSING SYSTEM WHICH IS IN FULL USE, CAN ADEQUATELY PROCESS THE VOLUME OF GAS COLLECTED, AND HAS BEEN ISSUED A VALID PERMIT TO CONSTRUCT OR OPERATE BY THE AQMD.
[RULE 1150.1, 1303(a)(1)-BACT]
5. PRIOR TO CONNECTING ANY VAPOR EXTRACTION LINE TO THE COLLECTION SYSTEM, EACH PIPING LINE SHALL BE SEALED AT BOTH ENDS TO PREVENT LANDFILL GAS FROM ESCAPING FROM THE LINE INTO THE ATMOSPHERE.
[RULE 402, 1150.1]
6. DURING VERTICAL, WELL DRILLING, AN APPROVED EMISSION CONTROL BOX SHALL BE PLACED OVER THE WELL HOLE TO COLLECT LANDFILL GAS. THE COLLECTED GAS SHALL BE DIRECTED TO A GAS PROCESSING SYSTEM WHICH IS IN FULL OPERATION, CAN ADEQUATELY PROCESS THE VOLUME OF GAS COLLECTED, AND HAS A VALID PERMIT TO CONSTRUCT OR OPERATE FROM THE AQMD.
[RULE 402, 1150.1]



FACILITY PERMIT TO OPERATE OC WASTE & RECYCLING, SANTIAGO

7. EACH HORIZONTAL GAS COLLECTION WELL SHALL BE CONNECTED TO AN OPERATING LANDFILL GAS HEADER OR THE ENDS OF THE WELL SHALL BE SEALED WITH BLIND FLANGES OR OTHER TYPES OF SEALS APPROVED BY THE AQMD AS SOON AS THE WELL IS INSTALLED.
[RULE 1150, 1150.1]
8. EACH VERTICAL AND HORIZONTAL WELL HEAD SHALL BE EQUIPPED WITH A SHUT-OFF VALVE AND A SAMPLING PORT.
[RULE 1150.1]
9. UNTIL CONNECTED TO AN OPERATING LANDFILL GAS COLLECTION SYSTEM, EACH COMPLETED WELL SHALL BE CAPPED AND ITS GAS CONTROL VALVE CLOSED TO AVOID VENTING LANDFILL GAS TO THE ATMOSPHERE.
[RULE 1150, 1150.1]
10. EACH WELL SHALL BE SECURELY SEALED TO PREVENT ANY EMISSIONS OF LANDFILL GAS FROM AROUND THE WELL CASING.
[RULE 402, 1150, 1150.1]
11. AS-BUILT DRAWINGS SHOWING THE TRENCH LOCATIONS, VERTICAL WELL LOCATIONS, AND LINE SIZES SHALL BE PROVIDED TO THE SCAQMD WITHIN 30 DAYS AFTER CONSTRUCTION IS COMPLETED.
[RULE 1150.1]
12. THE SCAQMD SHALL BE NOTIFIED IN WRITING WHEN WORK ON THIS SYSTEM COMMENCES AND WHEN IT IS COMPLETED. SUCH NOTIFICATION SHALL OCCUR AT LEAST TWO DAYS PRIOR TO THE COMMENCEMENT AND WITHIN FIVE DAYS AFTER THE COMPLETION OF THE WORK.
[RULE 1150.1]
13. WELL DRILLING, DRIVING, AND/OR TRENCHING SHALL NOT BE CONDUCTED BETWEEN THE HOURS OF 5 P.M AND 7 A.M. OR ON SATURDAYS, SUNDAYS OR LEGAL HOLIDAYS, UNLESS OTHERWISE APPROVED BY THE SCAQMD.
[RULE 402, 1150]
14. WELL DRILLING DRIVING, AND/OR TRENCHING SHALL NOT BE CONDUCTED ON DAYS WHEN THE SCAQMD FORECASTS FIRST, SECOND OR THIRD STAGE EPISODES FOR AREA NO. 19, OR WHEN THE SCAQMD REQUIRES COMPANIES IN AREA NO. 19 TO IMPLEMENT THEIR FIRST, SECOND OR THIRD STAGE EPISODE PLANS. EPISODE FORECASTS FOR THE FOLLOWING DAY CAN BE OBTAINED BY CALLING (800) 242-4666.
[RULE 402, 1150]
15. WELL DRILLING, DRIVING, AND/OR TRENCHING SHALL NOT BE CONDUCTED WHEN THE WIND SPEED IS GREATER THAN 15 M.P.H. AVERAGE (OVER 15 MINUTES) OR THE WIND SPEED INSTANTANEOUSLY EXCEEDS 25 M.P.H.
[RULE 402, 403, 1150]
16. DURING WELL DRILLING, DRIVING, AND/OR TRENCHING, ALL WORKING AREAS, EXCAVATED MATERIAL, AND UNPAVED ROADWAYS SHALL BE MAINTAINED IN A MOIST CONDITION TO MINIMIZE DUST AND EMISSIONS.
[RULE 402, 403, 1150]



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17. DURING WELL DRILLING, DRIVING, AND/OR TRENCHING, IF A CONSIDERABLE NUMBER OF COMPLAINTS ARE RECEIVED, ALL WORK SHALL CEASE AND APPROVED MITIGATION MEASURES SHALL BE IMPLEMENTED IMMEDIATELY. WORK SHALL NOT RESUME UNTIL THE EMISSIONS CAUSING THE COMPLAINTS ARE MITIGATED AND APPROVAL TO RESUME WORK IS RECEIVED FROM THE SCAQMD.
[RULE 402, 1150]
18. WELL HOLES, TRENCHES, AND EXPOSED LANDFILL TRASH SHALL BE COMPLETELY COVERED TO PREVENT ANY EMISSIONS OF LANDFILL GAS TO THE ATMOSPHERE WHENEVER WORK IS NOT ACTIVELY IN PROGRESS. THE COVER SHALL INCLUDE, BUT MAY NOT BE LIMITED TO A MINIMUM OF 6 INCHES OF CLEAN DIRT, APPROVED FOAM, OR HEAVY-DUTY PLASTIC SHEETING. FOAM BY ITSELF SHALL NOT BE USED AS A NIGHT COVER IF IT IS RAINING OR RAIN IS PREDICTED BY THE NATIONAL WEATHER SERVICE PRIOR TO THE NEXT SCHEDULED WORKDAY.
[RULE 402, 1150]
19. NO MORE THAN 100 LINEAR FEET OF TRENCH, WHICH EXPOSES LANDFILL TRASH TO THE ATMOSPHERE, SHALL BE OPEN AT ANY TIME PRIOR TO BACKFILLING, UNLESS OTHERWISE NOTED BELOW.
[RULE 402, 1150]
20. EXCAVATED REFUSE MAY BE PLACED ALONG THE TRENCH EDGE UPON REMOVAL FROM THE TRENCH. ALL EXCAVATED REFUSE SHALL BE TRANSFERRED TO THE WORKING FACE WITHIN ONE HOUR OF REMOVAL FROM THE TRENCH, UNLESS OTHERWISE NOTED BELOW.
[RULE 402, 1150]
21. IF A DISTINCT ODOR LEVEL (LEVEL III OR GREATER) RESULTING FROM THE WELL DRILLING, DRIVING, AND/OR TRENCHING IS DETECTED AT OR BEYOND THE PROPERTY LINE, ALL WORK SHALL CEASE UNTIL THE ODOR SOURCES ARE DETERMINED AND ELIMINATED. ODOR LEVELS SHALL BE DETERMINED BY SCAQMD PERSONNEL OR ON-SITE SAFETY COORDINATOR IN THE ABSENCE OF SCAQMD PERSONNEL.
[RULE 402, 1150]
22. THE EXTERIOR OF VEHICLES (INCLUDING THE TIRES) HAULING EXCAVATED MATERIAL SHALL BE CLEANED OFF PRIOR TO LEAVING THE WORKING SITE.
[RULE 1150]
23. ALL EXCAVATED REFUSE SHALL BE BURIED AT THE ACTIVE WORKING FACE OF THE LANDFILL BY THE END OF EACH DAY.
[RULE 402, 1150]
24. THE SCAQMD SHALL BE NOTIFIED, IN WRITING, AT LEAST ONE WEEK IN ADVANCE WHEN AN ADDITIONAL WELL OR SET OF WELLS AND THEIR ASSOCIATED PIPING WILL BE INSTALLED. THE PROPOSED WELL LOCATIONS AND CONNECTING PIPING SHALL BE IDENTIFIED ON A DRAWING WHICH SHOWS AND DESCRIBES THE ENTIRE GAS COLLECTION SYSTEM. ESTIMATED GAS COLLECTION VOLUME, WELL DEPTHS, PIPE LENGTHS, DIAMETERS AND LAYOUTS SHALL BE SUPPLIED TO THE SCAQMD IN THIS ADVANCE NOTIFICATION.
[RULE 1150.1]



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25. WITHIN 30 DAYS AFTER CONSTRUCTION OF A WELL OR A SET OF WELLS AND THEIR ASSOCIATED PIPING IS COMPLETE, AS-BUILT DRAWINGS SHALL BE SUBMITTED TO THE SCAQMD.
[RULE 1150.1]
26. MITIGATION MEASURES, OTHER THAN THOSE INDICATED IN THESE CONDITIONS, WHICH ARE DEEMED APPROPRIATE BY SCAQMD PERSONNEL AS NECESSARY TO PROTECT THE COMFORT, REPOSE, HEALTH, OR SAFETY OF THE PUBLIC SHALL BE IMPLEMENTED UPON REQUEST.
[RULE 402, 1150]

Emissions and Requirements:

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

GASEOUS EMISSIONS: RULE 1150.1
GASEOUS EMISSIONS: 40 CFR 63 SUBPART AAAAA



FACILITY PERMIT TO OPERATE OC WASTE & RECYCLING, SANTIAGO

PERMIT TO OPERATE

Permit No. F77552
A/N 441050

Equipment Description:

LANDFILL GAS CONDENSATE AND GROUNDWATER COLLECTION AND STORAGE SYSTEM CONSISTING OF:

1. CONDENSATE COLLECTION AND STORAGE:

- A. TANK (T-3), CONDENSATE COLLECTION, ABOVEGROUND, POLYETHYLENE, VERTICAL, 7'-6" DIA. BY 7'-6" HIGH, 2000 GALLON CAPACITY, COLLECTING LIQUID FROM GAS HEADER LINE, WITH LIQUID LEVEL CONTROLLER AND ALARM, WITH PRESSURE RELIEF VALVE, VENTED TO 55-GALLON CARBON CANISTER.
- B. PUMP (P-3), SUBMERSIBLE TYPE, 15 GPM, 1.5 HP, LOCATED INSIDE CONDENSATE COLLECTION TANK, PUMPING CONDENSATE FROM COLLECTION TANK (T-3) TO STORAGE TANK (T-101).
- C. TANK (T-2), CONDENSATE COLLECTION, ABOVEGROUND, POLYETHYLENE, HORIZONTAL, 3'2" DIA. BY 5'4" LONG, 325 GALLON CAPACITY, COLLECTING LIQUID FROM GAS HEADER LINE, WITH LIQUID LEVEL CONTROLLER AND ALARM, WITH PRESSURE RELIEF VALVE, VENTED TO 55 GALLON CARBON CANISTER.
- D. PUMP, GRUNDFOS, SUBMERSIBLE TYPE, 5 GPM, 3/4 HP, LOCATED INSIDE CONDENSATE COLLECTION TANK, PUMPING CONDENSATE FROM COLLECTION TANK (T-5) TO COLLECTION TANK (T-2).
- E. CONDENSATE PIPING AND VALVES, COLLECTING AND TRANSPORTING CONDENSATE.
- F. TANK (T-4), CONDENSATE COLLECTION, ABOVEGROUND, POLYETHYLENE, VERTICAL, 7'-8" DIA. BY 4'-6" HIGH, 1080 GALLON CAPACITY, WITH SECONDARY CONTAINMENT CAPACITY OF 2800 GALLONS, VENTED TO LFG COLLECTION SYSTEM.
- G. PUMP (P-4), PNEUMATIC TYPE, 6 GPM, LOCATED INSIDE CONDENSATE COLLECTION TANK (T-4), PUMPING CONDENSATE FROM COLLECTION TANK (T-4) TO HIGH POINT IN THE GAS HEADER.

2. GROUNDWATER COLLECTION AND STORAGE:

- A. GROUNDWATER EXTRACTION WELLS
- B. SUMP, CONTAINMENT, WITH SUBMERSIBLE PUMP (P-1A), PUMPING WATER TO TANK (T-1).
- C. TANK (T-101), HOLDING TANK, CONDENSATE AND/OR GROUNDWATER ABOVEGROUND, POLYETHYLENE, VERTICAL, 14'-0" DIA. X 14'-6" H., 16,400 GALLON



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CAPACITY, COLLECTING CONDENSATE AND GROUNDWATER FROM CONDENSATE COLLECTION TANK (T-3), WITH LIQUID LEVEL CONTROLLER, PRESSURE RELIEF VENT VALVE, VENTED TO 55-GALLON CARBON CANISTER.

D. PUMP (P-111), CONTAINMENT (SUMP) TRANSFER, 15 GPM, ½ HP ELECTRIC MOTOR, PUMPING WATER TO TANK (T-101).

3. COMBINED CONDENSATE AND GROUNDWATER COLLECTION AND STORAGE:

- A. PUMPS (P-101A & P-101B), CONDENSATE AND/OR GROUNDWATER TRANSFER, 30 GPM, 1-1/2 HP ELECTRIC MOTORS, ALTERNATING OPERATION (ONE OPERATING, OTHER SPARE), PUMPING WATER FROM TANK (T-101) TO TANK (T-102).
- B. PUMP (P-112), CONTAINMENT SUMP TRANSFER, 15 GPM, ½ HP ELECTRIC MOTOR, PUMPING WATER TO TANK (T-102).
- C. FILTERS (F-101A & F-101B), CONDENSATE/GROUNDWATER TRANSFER.
- D. TANK (T-102), CONDENSATE AND/OR GROUNDWATER INJECTION, ABOVEGROUND, POLYETHYLENE, VERTICAL, 7'6" DIA. X 7'6" H., 2000 GALLON CAPACITY, RECEIVING CONDENSATE AND GROUNDWATER FROM TRANSFER TANK (T-101) PRIOR TO INJECTION INTO FLARE(S), WITH LIQUID LEVEL CONTROLLER AND ALARM, PRESSURE RELIEF VALVE, FLAME ARRESTOR, VENTED TO 55-GALLON CARBON CANISTER

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL BE OPERATED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]
4. ALL CONDENSATE AND/OR GROUNDWATER COLLECTED SHALL BE DISPOSED OF AND/OR TREATED PROPERLY.
[RULE 402]
5. EMISSIONS FROM THE OUTLET OF EACH CARBON CANISTER SHALL NOT, AT ANY TIME, EXCEED 50 PPM TOTAL ORGANIC COMPOUNDS MEASURED AS METHANE.
[RULE 402, 1303(b)(2)-OFFSET]



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6. ALL CONNECTIONS, VALVES AND OPENINGS SHALL BE PROPERLY SEALED OR CLOSED SO AS TO PREVENT RAW LANDFILL GAS AND/OR CONDENSATE VAPORS FROM ENTERING INTO THE ATMOSPHERE.
[RULE 402, 1303(a)(1)-BACT]



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PERMIT TO OPERATE

Permit No. G31151
A/N 559020

Equipment Description:

LANDFILL GAS FLARING SYSTEM CONSISTING OF:

1. ONE (1) CONDENSATE SEPARATOR WITH FILTER, ENDUSTRA, 3750 SCFM CAPACITY, 6'-8" HIGH BY 4'-6" DIAM.
2. ONE (1) FLOW METER WITH RECORDER, FOR TOTAL INLET LANDFILL GAS.
3. TWO (2) BLOWERS, LOCATED IN PARALLEL, EACH 40 HP, EACH 1250 SCFM.
4. THREE (3) SHUT-OFF VALVES, EACH 12-INCH CONNECTIONS, PNEUMATIC, LOCATED IN PARALLEL.
5. THREE (3) FLAME ARRESTORS, 12-INCH CONNECTIONS.
6. TWO (2) PUMPS (P-102A & P-102B), CONDENSATE/GROUNDWATER INJECTION, EACH 7.5 GPM MAX CAPACITY, PNEUMATIC, ALTERNATING OPERATION.
7. TWO (2) FILTERS (F-102A & F-102B).
8. THREE (3) SPRAY NOZZLES, CONDENSATE/GROUNDWATER INJECTION, ONE TO EACH FLARE, LOCATED IN MIDDLE OF BURNERS.
9. THREE (3) FLARES, EACH 8'-4.5" W. BY 8'-4" D. BY 30'-0" H., WITH PROPANE PILOT, PERRENIAL BURNERS, TEN 4-INCH SOURCE TEST PORTS, 41.25 MMBTU/HR, 1250 SCFM, SIX AUTOMATIC AIR LOUVERS, ELECTRIC IGNITER, UV FLAME SCANNER, AND THERMOCOUPLE WITH TEMPERATURE INDICATOR AND RECORDER, FLARES OPERATED IN PARALLEL.
10. TWO (2) TANKS, EACH 5 GALLON CAPACITY CONTAINING PROPANE GAS FOR FLARE PILOTS.

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. THIS EQUIPMENT SHALL BE OPERATED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]
4. TEN (10) SAMPLING PORTS SHALL BE PROVIDED IN EACH FLARE STACK AT LEAST FIVE (5) FEET UPSTREAM OF THE FLARE OUTLET. FIVE OF THE PORTS SHALL BE LOCATED IN A LINEAR, HORIZONTAL POSITION ACROSS ONE SIDE OF THE FLARE STACK, AND THE REMAINING FIVE SHALL BE LOCATED IN A LINEAR, HORIZONTAL POSITION DIRECTLY OPPOSITE THE FIRST FIVE. EACH SAMPLING PORT SHALL CONSIST OF A FOUR-INCH COUPLING WITH PLUG. ALL PORTS SHALL BE PROPERLY CENTERED. AN EQUIVALENT METHOD OF EMISSION SAMPLING MAY BE USED UPON APPROVAL BY THE EXECUTIVE OFFICER. ADEQUATE AND SAFE ACCESS TO ALL SOURCE TEST PORTS SHALL BE PROVIDED.
[RULE 217]
5. A SAMPLING PORT SHALL BE INSTALLED AND MAINTAINED AT THE INLET GAS LINE TO THE FLARES TO ALLOW THE COLLECTION OF A LANDFILL GAS SAMPLE.
[RULE 217, 431.1, 1150.1, 1303(b)(2)-OFFSET]
6. EACH FLARE SHALL BE EQUIPPED WITH A TEMPERATURE INDICATOR AND RECORDER WHICH MEASURES AND RECORDS THE GAS TEMPERATURE IN THE FLARE STACK. THE TEMPERATURE INDICATOR AND RECORDER SHALL OPERATE WHENEVER ITS CORRESPONDING FLARE IS IN OPERATION. THE TEMPERATURE SHALL BE MEASURED AT A LOCATION ABOVE THE FLAME ZONE, AT LEAST 0.6 SECOND DOWNSTREAM OF THE BURNER AND NOT LESS THAN FIVE (5) FEET FROM THE TOP OF THE STACK.
[RULE 1303(a)(1)-BACT]
7. WHENEVER A FLARE IS IN OPERATION, A TEMPERATURE OF NOT LESS THAN 1500 DEGREES F, AS MEASURED BY THE TEMPERATURE INDICATOR AND RECORDER, SHALL BE MAINTAINED IN ITS FLARE STACK.
[RULE 1303(a)(1)-BACT]
8. EACH FLARE SHALL BE EQUIPPED WITH AN AUTOMATIC SHUT-DOWN SYSTEM WITH A FAILURE ALARM, WHICH HAS BEEN APPROVED BY THE EXECUTIVE OFFICER, TO AUTOMATICALLY ISOLATE THE FLARE FROM THE LANDFILL GAS SUPPLY LINE, SHUT OFF THE BLOWERS AND IMMEDIATELY NOTIFY A RESPONSIBLE PARTY OF THE SHUT-DOWN.
[RULE 1303(a)(1)-BACT]
9. THE AUTOMATIC SHUT-DOWN SAFETY SYSTEM SHALL BE TESTED MONTHLY FOR PROPER OPERATION AND THE RESULTS RECORDED.
[RULE 1303(a)(1)-BACT]
10. A FLOW INDICATING AND RECORDING DEVICE SHALL BE INSTALLED IN THE LANDFILL GAS SUPPLY LINE TO THE FLARE STATION TO MEASURE AND RECORD THE TOTAL QUANTITY OF LANDFILL GAS (IN SCFM) BEING BURNED IN THE FLARE STATION. THE FLOW INDICATING AND RECORDING DEVICE SHALL OPERATE CONTINUOUSLY WHENEVER THE FLARE(S) IS(ARE) IN OPERATION.
[RULE 1303(b)(2)-OFFSET]
11. THE PRESSURE DROP ACROSS EACH FLAME ARRESTOR SHALL BE MEASURED AND RECORDED MONTHLY.



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- [RULE 1303(b)(2)-OFFSET]
12. A FLOW INDICATING AND RECORDING DEVICE SHALL BE INSTALLED IN THE CONDENSATE LINE TO MEASURE AND RECORD THE CONDENSATE INJECTION RATE INTO THE FLARE.
[RULE 1303(b)(2)-OFFSET]
 13. THE VOLUME OF LANDFILL GAS BURNED IN EACH FLARE SHALL NOT EXCEED 1224 STANDARD CUBIC FEET PER MINUTE.
[RULE 1303(b)(2)-OFFSET]
 14. THE TOTAL COMBINED VOLUME OF LANDFILL GAS BURNED IN THE FLARE STATION SHALL NOT EXCEED 3672 STANDARD CUBIC FEET PER MINUTE.
[RULE 1303(b)(2)-OFFSET]
 15. THE HEAT INPUT THROUGH EACH FLARE SHALL NOT EXCEED 41.25 MILLION BTU'S PER HOUR.
[RULE 1303(b)(2)-OFFSET]
 16. THE TOTAL HEAT INPUT THROUGH THE FLARE STATION SHALL NOT EXCEED 112.5 MILLION BTU'S PER HOUR.
[RULE 1303(b)(2)-OFFSET]
 17. THE VOLUME OF LIQUID INJECTED INTO EACH FLARE SHALL NOT EXCEED 1.9 GALLONS PER MINUTE (GPM).
[RULE 1303(b)(2)-OFFSET, 1401]
 18. THE TOTAL VOLUME OF LIQUID INJECTED INTO THE FLARE STATION SHALL NOT EXCEED 2.46 GALLONS PER MINUTE (GPM).
[RULE 1303(b)(2)-OFFSET, 1401]
 19. WEEKLY READINGS OF THE COMPOSITION OF THE LANDFILL GAS AT THE INLET TO THE FLARE(S) SHALL BE RECORDED USING AN INSTRUMENT APPROVED BY THE SCAQMD.
[RULE 1303(b)(2)-OFFSET]
 20. ALL LANDFILL GAS COLLECTED SHALL BE DIRECTED EITHER TO THE FLARE(S) FOR COMBUSTION OR TO A TREATMENT FACILITY WHICH HAS A VALID PERMIT FROM THE SCAQMD.
[RULE 1150.1, 1303(a)(1)-BACT]
 21. ALL RECORDING DEVICES SHALL BE SYNCHRONIZED WITH RESPECT TO THE TIME OF DAY.
[RULE 1303(b)(2)-OFFSET]
 22. EACH FLARE SHALL BE EQUIPPED WITH AT LEAST ONE VIEW PORT TO ALLOW VISUAL INSPECTION OF THE FLAME WITHIN THE FLARE AT ALL TIMES. SAFE AND ADEQUATE ACCESS SHALL BE PROVIDED FOR ALL VIEW PORTS UPON REQUEST BY SCAQMD PERSONNEL.
[RULE 217, 1303(a)(1)-BACT]
 23. EACH FLARE SHALL BE DESIGNED AND OPERATED SO THAT THE FLAME IN THE FLARE REMAINS BELOW THE HEIGHT OF THE FLARE'S OPERATING THERMOCOUPLE AT ALL TIMES.
[RULE 1303(a)(1)-BACT]



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24. THE MAXIMUM FLARE SKIN TEMPERATURE AT ANY LOCATION SHALL NOT EXCEED 250 DEGREES F.
[RULE 217]

25. THE OPERATOR SHALL OPERATE AND MAINTAIN THIS EQUIPMENT ACCORDING TO THE FOLLOWING REQUIREMENTS:

THE TEMPERATURE IN EXHAUST STACK SHALL BE MAINTAINED AT A MINIMUM OF 1,500 DEGREES FAHRENHEIT. TEMPERATURE SHALL BE AVERAGED OVER A 15- MINUTE PERIOD AND ONE-HOUR AVERAGE SHALL BE COMPUTED FROM DATA POINTS IN EACH ONE-HOUR PERIOD. WHENEVER THE EQUIPMENT IT SERVES IS IN OPERATION

CONTINUOUS EXHAUST TEMPERATURE MONITORING AND RECORDING SYSTEM SHALL BE PURSUANT TO THE OPERATION AND MAINTENANCE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.7. SUCH A SYSTEM SHALL HAVE AN ACCURACY OF WITHIN $\pm 1\%$ OF THE TEMPERATURE BEING MONITORED AND SHALL BE INSPECTED, MAINTAINED, AND CALIBRATED ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS USING AN APPLICABLE AQMD OR EPA APPROVED METHOD.

FOR THE PURPOSE OF THIS CONDITION, A DEVIATION SHALL BE DEFINED AS WHEN A TEMPERATURE OF LESS THAN 1,500 DEGREES FAHRENHEIT OCCURS DURING NORMAL OPERATION. THE OPERATOR SHALL REVIEW THE RECORDS OF TEMPERATURE ON A DAILY BASIS TO DETERMINE IF A DEVIATION OCCURS OR SHALL INSTALL AN ALARM SYSTEM TO ALERT THE OPERATOR WHEN A DEVIATION OCCURS.

FOR EACH SEMI-ANNUAL REPORTING PERIOD SPECIFIED IN CONDITION NO. 23 IN SECTION K, WHENEVER A DEVIATION OCCURS FROM 1,500 DEGREES FAHRENHEIT, THE OPERATOR SHALL TAKE IMMEDIATE CORRECTIVE ACTION, AND KEEP RECORDS OF THE DURATION AND CAUSE (INCLUDING UNKNOWN CAUSE, IF APPLICABLE) OF THE DEVIATION AND THE CORRECTIVE ACTION TAKEN.

ALL DEVIATIONS SHALL BE REPORTED TO THE AQMD ON A SEMI-ANNUAL BASIS PURSUANT TO THE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.9 AND CONDITION NOS. 22 AND 23 IN SECTION K OF THIS PERMIT.

THE OPERATOR SHALL SUBMIT AN APPLICATION WITH A QUALITY IMPROVEMENT PLAN (QIP) IN ACCORDANCE WITH 40 CFR PART 64.8 TO THE AQMD IF AN ACCUMULATION OF DEVIATIONS EXCEEDS 5 PERCENT DURATION OF THIS EQUIPMENT'S TOTAL OPERATING TIME FOR ANY SEMI-ANNUAL REPORTING PERIOD SPECIFIED IN CONDITION NO. 23 IN SECTION K OF THIS PERMIT. THE REQUIRED QIP SHALL BE SUBMITTED TO THE AQMD WITHIN 90 CALENDAR DAYS AFTER THE DUE DATE FOR THE SEMI-ANNUAL MONITORING REPORT.

THE OPERATOR SHALL INSPECT AND MAINTAIN ALL COMPONENTS OF THIS EQUIPMENT ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE OPERATOR SHALL KEEP ADEQUATE RECORDS IN A FORMAT THAT IS ACCEPTABLE TO THE AQMD TO DEMONSTRATE COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS SPECIFIED IN THIS CONDITION AND 40 CFR PART 64.9 FOR A MINIMUM OF FIVE YEARS.
[RULE 3004(A) (4)-PERIODIC MONITORING, 40CFR PART 64]



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26. OPERATION OF THIS EQUIPMENT SHALL NOT RESULT IN THE RELEASE OF RAW LANDFILL GAS INTO THE ATMOSPHERE. ANY BREAKDOWN OR MALFUNCTION WHICH RESULTS IN EMISSIONS OF RAW LANDFILL GAS SHALL BE REPORTED TO THE SCAQMD MANAGER OF TOXICS AND WASTE MANAGEMENT TEAM WITHIN ONE HOUR AFTER OCCURRENCE, OR WITHIN ONE HOUR OF THE TIME ORANGE COUNTY PERSONNEL KNEW OR REASONABLY SHOULD HAVE KNOWN OF ITS OCCURRENCE, AND IMMEDIATE REMEDIAL MEASURES SHALL BE UNDERTAKEN TO CORRECT THE PROBLEM AND PREVENT FURTHER EMISSIONS INTO THE ATMOSPHERE.
[RULE 402, 430, 1150.1]
27. THE APPLICANT SHALL CONDUCT ANNUAL SOURCE TESTS AND SUBMIT WRITTEN RESULTS OF PERFORMANCE TESTS PERFORMED IN ACCORDANCE WITH SCAQMD RULE 1150.1. WRITTEN NOTICE OF THE PERFORMANCE TESTS SHALL BE PROVIDED TO THE SCAQMD 10 DAYS PRIOR TO THE TESTING SO THAT AN OBSERVER MAY BE PRESENT. ALL SOURCE TESTING AND ANALYTICAL METHODS SHALL BE SUBMITTED TO THE SCAQMD FOR APPROVAL AT LEAST 30 DAYS PRIOR TO START OF TESTS. THE TESTS SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, A TEST OF THE INLET GAS TO THE FLARE AND THE FLARE EXHAUST FOR:
- A. METHANE
 - B. TOTAL NON-METHANE ORGANICS (WITH AND WITHOUT INJECTION)
 - C. OXIDES OF NITROGEN (EXHAUST ONLY)(WITH AND WITHOUT INJECTION)
 - D. CARBON MONOXIDE (EXHAUST ONLY)(WITH AND WITHOUT INJECTION)
 - E. TOTAL PARTICULATES (EXHAUST ONLY)(WITH AND WITHOUT INJECTION)
 - F. HYDROGEN SULFIDE (INLET ONLY)
 - G. C1 THROUGH C3 SULFUR COMPOUNDS (SPECIATED)(INLET ONLY)
 - H. CARBON DIOXIDE
 - I. RULE 1150.1 TABLE 1 COMPOUNDS
 - J. OXYGEN
 - K. NITROGEN
 - L. MOISTURE CONTENT
 - M. TEMPERATURE
 - N. FLOW RATE
 - O. NMOC DESTRUCTION EFFICIENCY
- [RULE 1150.1, 1303(a)(1)-BACT, 1303(b)(2)-OFFSET, 1401, 40 CFR 63 SUBPART AAAA]
28. APPLICANT SHALL SUBMIT ANALYSES OF CONDENSATE AND GROUNDWATER WITH ANNUAL SOURCE TEST RESULTS.
[RULE 1303(b)(2)-OFFSET, 1401]



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29. EMISSIONS RESULTING FROM EACH FLARE SHALL NOT EXCEED THE FOLLOWING:

POLLUTANT	LBS./HOUR
NOX, AS NO2	2.50
SOX, AS SO2	0.50
CO	12.0
PM	1.4
NMHC, AS METHANE	0.65
[RULE 1303(b)(2)-OFFSET]	

30. TOTAL EMISSIONS RESULTING FROM THE FLARE STATION SHALL NOT EXCEED THE FOLLOWING:

POLLUTANT	LBS./HOUR	LBS./DAY
NOX, AS NO2	6.8	162
SOX, AS SO2	1.12	27
CO	32.6	783
PM	4.1	99
NMHC, AS METHANE	1.91	46
[RULE 1303(b)(2)-OFFSET]		

31. NO MORE THAN TWO FLARES OF THE FLARE STATION SHALL BE OPERATED AT THE SAME TIME.

32. EMISSIONS OF HEXAVALENT CHROME FROM THE FLARE STATION SHALL NOT EXCEED 0.03005 LB/YR. UNLESS OTHERWISE ANALYZED, ALL CHROME EMITTED SHALL BE ASSUMED TO BE HEXAVALENT.
[RULE 1401]

33. APPLICANT SHALL SAMPLE FOR TOTAL CHROME FROM A WELL-MIXED, COMPOSITE GROUNDWATER/CONDENSATE SAMPLE ON A WEEKLY BASIS WHENEVER GROUNDWATER IS BEING COLLECTED AT THE SITE FOR INJECTION INTO THE FLARE(S).
[RULE 1401]

Emissions and Requirements:

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

- CO: 2000 PPM, RULE 407
0.29 LBS/MMBTU INLET GAS, RULE 1303(a) (1)-BACT
- NOx: 0.06 LBS/MMBTU INLET GAS, RULE 1303(a) (1)-BACT
- NMOC: 20 PPMV OR 98 WEIGHT PERCENT REDUCTION, RULE 1150.1
- NMOC: 20 PPMV OR 98 WEIGHT PERCENT REDUCTION, 40 CFR 63 SUBPART AAAA
- PM: 18.5 LBS/MM CUBIC FEET OF INLET GAS, RULE 1303(b) (2)-OFFSET.
- PM: 0.1 GR/SCF, RULE 409
- PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS



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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 REGULATIONS:

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