



South Coast Air Quality Management District

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

January 15, 2010

Mr. Kurt A. Bratton
General Manager
Sunshine Canyon Landfill
14747 San Fernando Rd.
Sylmar, CA 91342

SUBJECT: Sunshine Canyon Landfill
Title V Facility Permit Revision #2 (Facility ID 49111)

Dear Mr. Bratton,

Please find attached the revised Title Page, Table of Contents, Section A and Section D of your Title V Facility Permit. The revised sections reflect the approval of a Minor revision of the Title V Permit. The South Coast Air Quality Management District (AQMD) issued a draft permit for Environmental Protection Agency (EPA) review on November 17, 2009 and no comments were received from the EPA. No public notice was required for a Minor revision. Changes to your Title V permit are as follows:

Section A: Changed the name of the Responsible Official and Contact Person.

Section D: Application No. 501513, relocating and modifying the leachate/condensate treatment system by removing the air strippers and adding three liquid phase carbon adsorbers.

Please review the attached pages and then insert the enclosed sections into your Title V Facility Permit and discard the earlier versions. If you have any questions concerning changes to your permit, or if you determine any administrative error, please contact Ted Kowalczyk at (909) 396-2592 within 30 days of the receipt of your permit.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Jay Chen', is written over a horizontal line.

Jay Chen, P.E.
Sr. Air Quality Engineering Manager
Refinery and Waste Management-Permitting

JC:CDT:TK
Attachments

cc: Gerardo Rios, EPA Region IX
Compliance
TV Master file
Application No. 502517
w/enclosure



FACILITY PERMIT TO OPERATE

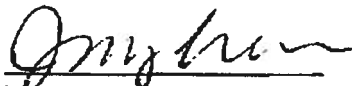
**SUNSHINE CANYON LANDFILL
14747 SAN FERNANDO RD
SYLMAR, CA 91342**

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



**FACILITY PERMIT TO OPERATE
SUNSHINE CANYON LANDFILL**

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| D | Facility Description and Equipment Specific Conditions | 2 | 01/15/2010 |
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| F | RECLAIM Monitoring and Source Testing Requirements | 0 | 10/05/2004 |
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FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: SUNSHINE CANYON LANDFILL

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 14747 SAN FERNANDO RD
SYLMAR, CA 91342

MAILING ADDRESS: 14747 SAN FERNANDO RD
SYLMAR, CA 91342

RESPONSIBLE OFFICIAL: KURT A. BRATTON

TITLE: GENERAL MANAGER

TELEPHONE NUMBER: (818) 833-6500

CONTACT PERSON: SUSAN JENNINGS

TITLE: ENVIRONMENTAL MANAGER

TELEPHONE NUMBER: (818) 833-6514

TITLE V PERMIT ISSUED: October 05, 2004

TITLE V PERMIT EXPIRATION DATE: October 04, 2009

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



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

Section B Page: 1
Facility I.D.: 49111
Revision #: 0
Date: October 05, 2004

FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

SECTION B: RECLAIM Annual Emission Allocation

NOT APPLICABLE



AQMD

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

Section C Page 1
Facility I.D.#: 049111
Revision #: 0
Date: October 05, 2004

FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

Facility Equipment and Requirements (Section D)

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



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

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 |
|---------------------------|---------------------------------|--|-------------|
| 457398 | F86506 | FLARE, ENCLOSED LANDFILL/DIGESTER GAS | 6 |
| 207173 | F23230 | FLARE, ENCLOSED LANDFILL/DIGESTER GAS | 11 |
| 330383 | F9412 | FLARE, ENCLOSED LANDFILL/DIGESTER GAS | 16 |
| 387641 | F43463 | AIR POLLUTION CONTROL SYSTEM | 19 |
| 412777 | F63135 | LANDFILL GAS COLLECTION SYSTEM | 21 |
| 501513 | G6687 | LEACHATE/CONDENSATE COLLECTION AND TREATMENT | 25 |

NOTE: ANY APPLICATIONS THAT ARE STILL BEING PROCESSED AND HAVE NOT BEEN ISSUED PERMITS TO CONSTRUCT AND/OR PERMITS TO OPERATE WILL NOT BE FOUND IN THIS TITLE V PERMIT.



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

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 PURCHASE FUEL OIL CONTAINING SULFUR COMPOUNDS IN EXCESS OF 500 PPM BY WEIGHT. ON OR AFTER JUNE 1, 2004, THE OPERATOR SHALL NOT PURCHASE FUEL OIL CONTAINING SULFUR COMPOUNDS IN EXCESS OF 15 PPM BY WEIGHT.
[RULE 431.2]
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 COLLECTION 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]



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

- E. OPERATE THE COLLECTION SYSTEM TO PREVENT THE CONCENTRATION OF TOC MEASURED AS METHANE FROM EXCEEDING 50 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]
 - F. MONITOR QUARTERLY, OR AS PER THE APPROVED 1150.1 ALTERNATIVE, THE LANDFILL SURFACE FOR TOC EACH QUARTER, OR AS APPROVED, FROM THE SURFACE OF THE LANDFILL
[RULE 1150.1]
 - G. OPERATE THE COLLECTION 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. 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]
 - I. 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]
- 4 THE OWNER/OPERATOR OF A MSW LANDFILL SHALL COMPLY WITH THE FOLLOWING:
- A. OPERATE THE COLLECTION SYSTEM SUCH THAT THE GAS IS COLLECTED FROM EACH AREA, CELL OR GROUP OF CELLS OF THE LANDFILL IN WHICH THE INITIAL SOLID WASTE HAS BEEN IN PLACE FOR A PERIOD OF:
 - (1). 5 YEARS OR MORE IF ACTIVE; OR
 - (2). 2 YEARS OR MORE IF CLOSED OR AT FINAL GRADE
 - B. OPERATE THE COLLECTION SYSTEM WITH NEGATIVE PRESSURE AT EACH WELL-HEAD EXCEPT UNDER THE FOLLOWING CONDITIONS:
 - (1). DURING A FIRE OR INCREASED WELL TEMPERATURE - THE OWNER/OPERATOR SHALL RECORD THE INSTANCES WHEN POSITIVE PRESSURE OCCURS IN EFFORTS TO PREVENT A FIRE. THIS REPORT SHALL BE SUBMITTED WITH THE ANNUAL REPORTS AS PROVIDED IN §60.757(f)(1).
 - (2). WHENEVER A GEOMEMBRANE OR SYNTHETIC COVER IS IN PLACE- THE OWNER/OPERATOR SHALL DEVELOP ACCEPTABLE PRESSURE LIMITS IN THE DESIGN PLAN.
 - (3). WHEN A WELL IS DECOMMISSIONED - A WELL MAY EXPERIENCE A STATIC POSITIVE PRESSURE AFTER SHUT DOWN TO ACCOMMODATE FOR DECLINING FLOWS.



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- C. OPERATE EACH INTERIOR WELLHEAD IN THE COLLECTION SYSTEM WITH A LANDFILL GAS TEMPERATURE LESS THAN 55 DEGREES C AND WITH EITHER A NITROGEN LEVEL LESS THAN 20% OR AN OXYGEN LEVEL LESS THAN 5% AS DETERMINED BY METHODS DESCRIBED IN §60.753(c).
- D. OPERATE THE COLLECTION SYSTEM SO THAT THE METHANE CONCENTRATION IS LESS THAN 500 PPM ABOVE BACKGROUND AT THE SURFACE OF THE LANDFILL AS DETERMINED IN ACCORDANCE WITH MONITORING PROCEDURES SPECIFIED IN §60.753 AND 60.754.
- E. OPERATE THE COLLECTION SYSTEM SUCH THAT ALL COLLECTED GASES ARE VENTED TO A CONTROL SYSTEM DESIGNED AND OPERATED IN COMPLIANCE WITH §60.752(b)(2)(iii).
- F. OPERATE THE COLLECTION AND CONTROL SYSTEM IN COMPLIANCE WITH TEST METHODS AND PROCEDURES OF §60.754
- G. OPERATE THE COLLECTION AND CONTROL SYSTEM IN COMPLIANCE WITH COMPLIANCE PROVISIONS OF §60.755
- H. OPERATE THE COLLECTION AND CONTROL SYSTEM IN COMPLIANCE WITH MONITORING PROCEDURES OF §60.756
- I. OPERATE THE COLLECTION AND CONTROL SYSTEM IN COMPLIANCE WITH REPORTING REQUIREMENTS OF §60.757
- J. OPERATE THE COLLECTION AND CONTROL SYSTEM IN COMPLIANCE WITH RECORD KEEPING REQUIREMENTS OF §60.758

[GASEOUS EMISSIONS: 40CFR60 SUBPART WWW]



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

PERMIT TO CONSTRUCT/OPERATE

Permit No. F86506
A/N 457396

Equipment Description:

LANDFILL GAS FLARING SYSTEM NO. 8 CONSISTING OF:

1. CONDENSATE KNOCKOUT DRUM, 6'-0" DIA. X 10'-0" SEAM TO SEAM HEIGHT, WITH A MIST ELIMINATOR.
2. CONDENSATE PUMP, 1 H.P., 3 GPM, SERVING A CONDENSATE KNOCKOUT DRUM AND A PARTICULATE FILTER.
3. THREE BLOWERS, LAMPSON, MODEL 362-6D, EACH 45 H.P., ONE BLOWER FOR STANDBY, VENTING THE LANDFILL GAS COLLECTION SYSTEM.
4. PARTICULATE FILTER, PEERLESS, 3'-0" DIA. X 10'-6" H.
5. TWO FLAME ARRESTORS, ONE FOR LANDFILL GAS AND ONE FOR VAPORS FROM THE LEACHATE TREATMENT SYSTEM.
6. FLARE, MCGILL, MODEL NO. EGF-125, 13'-0" DIA. X 50'-0" H. WITH A MULTI-JET BURNER, PROPANE GAS PILOT, ELECTRIC IGNITER, UV FLAME SENSOR, AUTOMATIC SHUTDOWN AND ALARM SYSTEM, AUTOMATIC COMBUSTION AIR REGULATING SYSTEM AND TEMPERATURE CONTROLLER.
7. LANDFILL GAS FLOW METER WITH A RECORDER.
8. LANDFILL GAS EMERGENCY SHUT-OFF VALVE.

Conditions:

1. OPERATION OF TIES 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]



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

4. A SET OF FOUR SAMPLING PORTS SHALL BE INSTALLED IN THE FLARE SHROUD AND LOCATED AT LEAST TWO FEET ABOVE THE FLAME ZONE AND AT LEAST SIX AND ONE HALF FEET BELOW THE TOP OF THE FLARE SHROUD. EACH PORT SHALL CONSIST OF A FOUR-INCH COUPLING WITH PLUG. ADEQUATE AND SAFE ACCESS TO ALL SOURCE TEST PORTS SHALL BE PROVIDED WITHIN 24 HOURS OF A REQUEST BY THE AQMD TO CONDUCT A TEST.
[RULE 217]
5. A SAMPLING PORT SHALL BE MAINTAINED AT THE INLET GAS LINE TO THE FLARE TO ALLOW LANDFILL GAS SAMPLING AND FLOW MEASUREMENT.
[RULE 217, 431.1, 1150.1]
6. THE FLARE SHALL BE EQUIPPED WITH A CONTINUOUS TEMPERATURE INDICATOR AND RECORDER WHICH MEASURES AND RECORDS THE GAS TEMPERATURE IN THE FLARE STACK. THE TEMPERATURE INDICATOR AND RECORDER SHALL OPERATE WHENEVER THE FLARE IS IN OPERATION. THE THERMOCOUPLE USED TO MEASURE THE TEMPERATURE SHALL BE AT LEAST TWO FEET ABOVE THE FLAME ZONE AND AT LEAST SIX AND ONE HALF FEET BELOW THE TOP OF THE FLARE SHROUD AND AT LEAST 0.6 SECONDS DOWNSTREAM OF THE BURNER.
[RULE 1150.1, 1303 (a)(1)-BACT, 40CFR 60.756(b)(1)]
7. WHENEVER THE FLARE IS IN OPERATION, A TEMPERATURE OF NOT LESS THAN 1600 DEGREES F, AS MEASURED BY THE TEMPERATURE INDICATOR AND RECORDER, SHALL BE MAINTAINED IN THE FLARE STACK.
[RULE 1303 (a)(1)-BACT]
8. THE SKIN TEMPERATURE OF THE FLARE SHROUD WITHIN FOUR FEET OF ALL THE SOURCE TEST PORTS SHALL NOT EXCEED 250 DEGREES F. IF A BEAT SHIELD IS REQUIRED TO MEET THIS REQUIREMENT, ITS DESIGN SHALL BE APPROVED BY THE AQMD PRIOR TO CONSTRUCTION. THE HEAT SHIELD, IF REQUIRED TO MEET THE TEMPERATURE REQUIREMENT, SHALL BE IN PLACE WHENEVER A SOURCE TEST IS CONDUCTED BY THE AQMD.
[RULE 217]
9. A SUFFICIENT NUMBER OF SIGHT GLASS WINDOWS SHALL BE MAINTAINED IN THE FLARE TO ALLOW VISUAL INSPECTION OF THE FLAME WITHIN THE FLARE AT ALL TIMES. PERMANENT AND SAFE ACCESS SHALL BE PROVIDED FOR ALL SIGHT GLASS WINDOWS.
[RULE 217, 1303(a)(1)-BACT]
10. A FLOW INDICATOR AND RECORDER SHALL BE MAINTAINED IN THE LANDFILL GAS SUPPLY LINE TO THE FLARE TO MEASURE AND RECORD THE GAS FLOW RATE (IN SCFM) TO THE FLARE AT LEAST EVERY FIFTEEN MINUTES AND SHALL OPERATE WHENEVER THE FLARE IS IN OPERATION.
[RULE 1150.1, 1303 (b)(2)-OFFSET, 40CFR 60.756(b)(2)(i)]
11. THE TOTAL VOLUME OF LANDFILL GAS BURNED IN THE FLARE SHALL NOT EXCEED 4,167 STANDARD CUBIC FEET PER MINUTE.
[RULE 1303 (b)(2)-OFFSET]



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

12. EMISSIONS RESULTING FROM THE FLARE SHALL NOT EXCEED THE FOLLOWING:

| POLLUTANT | LBS/HOUR |
|-----------|----------|
| NOX | 6.3 |
| SOX | 3.8 |
| CO | 3.7 |
| PM | 0.64 |
| ROG | 0.63 |

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

13. THE OWNER OR OPERATOR SHALL CONDUCT A TEST ANNUALLY OR PER THE APPROVED 1150.1 COMPLIANCE PLAN. THE TEST SHALL BE PERFORMED IN ACCORDANCE WITH AQMD APPROVED TEST PROCEDURES AND WRITTEN TEST RESULTS SHALL BE FURNISHED TO THE AQMD WITHIN SIXTY DAYS AFTER TESTING. WRITTEN NOTICE OF THE TEST SHALL BE PROVIDED TO THE AQMD THIRTY DAYS PRIOR TO THE TESTING SO THAT AN OBSERVER MAY BE PRESENT. IN ADDITION TO THE TEST REQUIREMENTS OF RULE 1150.1 AND THE APPROVED 1150.1 COMPLIANCE PLAN FOR NONMETHANE ORGANIC COMPOUNDS AND TOXIC COMPOUNDS, THE TEST SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, A TEST OF THE FLARE FOR:

- A. LANDFILL GAS COMPOSITION AND HEATING VALUE (INLET)
- B. LANDFILL GAS FLOW RATE, SCFM (INLET)
- C. TOTAL SULFUR COMPOUNDS AS H₂S, PPMV (INLET)
- D. TEMPERATURE, DEGREES F (EXHAUST)
- E. FLOW RATE, DSCFM (EXHAUST)
- F. NOX, LBS/HR (EXHAUST)
- G. SOX, LBS/HR (EXHAUST)
- H. CO, LBS/HR (EXHAUST)
- I. TOTAL PARTICULATES, LBS/HR (EXHAUST)

THE TEST SHALL BE CONDUCTED AT THE MAXIMUM FLOW RATE AVAILABLE AT THE TIME OF THE TEST BUT NOT TO EXCEED THE FLOW RATE ALLOWED BY THIS PERMIT.

[RULE 1303 (b)(2)-OFFSET, 3004(a)(4)-PERIODIC MONITORING]

14. THE FOLLOWING FLARE FAILURE ALARMS WHICH SHALL INCLUDE AN AUTOMATIC NOTIFICATION SYSTEM, AN AUTOMATIC BLOWER AND A LANDFILL GAS SUPPLY VALVE SHUT-OFF SYSTEM APPROVED BY THE AQMD, SHALL BE MAINTAINED AND TESTED EVERY SIX MONTHS FOR PROPER OPERATION AND THE RESULTS RECORDED:

- A. FLARE FLAME OUT
- B. LOW FLARE STACK TEMPERATURE
- C. HIGH FLARE STACK TEMPERATURE
- D. EXCESSIVE VIBRATION
- E. LOW BLOWER DISCHARGE PRESSURE.

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



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

15. A PRESSURE SENSING DEVICE WITH AN AUTOMATIC BLOWER SHUT OFF SYSTEM SHALL BE MAINTAINED IN THE BLOWER DISCHARGE LINE TO DETECT PRESSURE DROP DUE TO LANDFILL GAS LEAKS AND SHALL BE TESTED EVERY SIX MONTHS FOR PROPER OPERATION AND THE RESULTS RECORDED.
[RULE 1303 (a)(1)-BACT]
16. A PRESSURE DIFFERENTIAL INDICATOR SHALL BE MAINTAINED ACROSS THE PARTICULATE FILTER.
[RULE 1303 (a)(1)-BACT]
17. A PRESSURE DIFFERENTIAL INDICATOR SHALL BE MAINTAINED ACROSS THE FLAME ARRESTOR.
[RULE 1303 (a)(1)-BACT]
18. THE HEAT RELEASE OF LANDFILL GAS BURNED IN THIS FLARE SHALL NOT EXCEED 105 MILLION BTU/HR.
[RULE 1303 (b)(2)-OFFSET]
19. LANDFILL GAS ENTERING THE FLARE SHALL BE ANALYZED WEEKLY FOR HEATING VALUE AND METHANE CONCENTRATION. RESULTS SHALL BE RECORDED AND PROVIDED TO THE AQMD UPON REQUEST.
[RULE 1303 (b)(2)- OFFSET]
20. ALL RECORDING DEVICES SHALL BE SYNCHRONIZED WITH RESPECT TO THE TIME OF DAY.
[RULE 1303 (b)(2)- OFFSET]
21. ALL RECORDS SHALL BE KEPT FOR A PERIOD OF AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE AQMD UPON REQUEST. A RECORD OF THE HOURS OF FLARE OPERATION SHALL BE INCLUDED.
[RULE 1150.1, 1303 (b)(2)- OFFSET]
22. ANY BREAKDOWN OR MALFUNCTION OF THE LANDFILL GAS FLARE SYSTEM RESULTING IN THE EMISSION OF RAW LANDFILL GAS SHALL BE REPORTED TO THE AQMD WITHIN ONE HOUR AFTER OCCURRENCE, AND IMMEDIATE REMEDIAL MEASURES SHALL BE UNDERTAKEN TO CORRECT THE PROBLEM AND PREVENT FURTHER EMISSIONS INTO THE ATMOSPHERE.
[RULE 430]
23. THIS PERMIT SHALL EXPIRE IF CONSTRUCTION OF THIS EQUIPMENT IS NOT COMPLETE WITHIN ONE YEAR FROM THE DATE OF ISSUANCE OF THIS PERMIT UNLESS AN EXTENSION IS GRANTED BY THE EXECUTIVE OFFICER.
[RULE 204]



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

Emissions and Requirements:

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

NMOC: 20 PPMV OR 98% WEIGHT REDUCTION, RULE 1150.1, 40CFR60 SUBPART WWW, 40CFR63 SUBPART AAAA.

CO: 2000 PPMV, RULE 407

PM: 0.1 GR/DSCF, RULE 409

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

PERMIT TO OPERATE

**Permit No. F23230
A/N 207173**

Equipment Description:

LANDFILL GAS FLARING SYSTEM NO. 3 CONSISTING OF:

1. CONDENSATE KNOCKOUT DRUM, 6'-0" DIA. X 10'-0" SEAM TO SEAM HEIGHT, WITH A MIST ELIMINATOR.
2. CONDENSATE PUMP, 1 H.P., 3 GPM, SERVING A CONDENSATE KNOCKOUT DRUM AND A PARTICULATE FILTER.
3. THREE BLOWERS, LAMPSON, MODEL 362-6D, EACH 45 H.P., ONE BLOWER FOR STANDBY, VENTING THE LANDFILL GAS COLLECTION SYSTEM.
4. PARTICULATE FILTER, PEERLESS, 3'-0" DIA. X 10'-6" H.
5. TWO FLAME ARRESTORS, ONE FOR LANDFILL GAS AND ONE FOR VAPORS FROM THE LEACHATE TREATMENT SYSTEM.
6. FLARE, MCGILL, MODEL NO. EGF-125, 13'-0" DIA. X 50'-0" H. WITH A MULTI-JET BURNER, PROPANE GAS PILOT, ELECTRIC IGNITER, UV FLAME SENSOR, AUTOMATIC SHUTDOWN AND ALARM SYSTEM, AUTOMATIC COMBUSTION AIR REGULATING SYSTEM AND TEMPERATURE CONTROLLER.
7. LANDFILL GAS FLOW METER WITH A RECORDER.
8. LANDFILL GAS EMERGENCY SHUT-OFF VALVE.

Conditions:

1. OPERATION OF TIES 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]



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

4. A SET OF FOUR SAMPLING PORTS SHALL BE INSTALLED IN THE FLARE SHROUD AND LOCATED AT LEAST TWO FEET ABOVE THE FLAME ZONE AND AT LEAST SIX AND ONE HALF FEET BELOW THE TOP OF THE FLARE SHROUD. EACH PORT SHALL CONSIST OF A FOUR-INCH COUPLING WITH PLUG. ADEQUATE AND SAFE ACCESS TO ALL SOURCE TEST PORTS SHALL BE PROVIDED WITHIN 24 HOURS OF A REQUEST BY THE AQMD TO CONDUCT A TEST.
[RULE 217]
5. A SAMPLING PORT SHALL BE MAINTAINED AT THE INLET GAS LINE TO THE FLARE TO ALLOW LANDFILL GAS SAMPLING AND FLOW MEASUREMENT.
[RULE 217, 431.1, 1150.1]
6. THE FLARE SHALL BE EQUIPPED WITH A CONTINUOUS TEMPERATURE INDICATOR AND RECORDER WHICH MEASURES AND RECORDS THE GAS TEMPERATURE IN THE FLARE STACK. THE TEMPERATURE INDICATOR AND RECORDER SHALL OPERATE WHENEVER THE FLARE IS IN OPERATION. THE THERMOCOUPLE USED TO MEASURE THE TEMPERATURE SHALL BE AT LEAST TWO FEET ABOVE THE FLAME ZONE AND AT LEAST SIX AND ONE HALF FEET BELOW THE TOP OF THE FLARE SHROUD AND AT LEAST 0.6 SECONDS DOWNSTREAM OF THE BURNER.
[RULE 1150.1, 1303 (a)(1)-BACT, 40CFR 60.756(b)(1)]
7. WHENEVER THE FLARE IS IN OPERATION, A TEMPERATURE OF NOT LESS THAN 1600 DEGREES F, AS MEASURED BY THE TEMPERATURE INDICATOR AND RECORDER, SHALL BE MAINTAINED IN THE FLARE STACK.
[RULE 1303 (a)(1)-BACT]
8. THE SKIN TEMPERATURE OF THE FLARE SHROUD WITHIN FOUR FEET OF ALL THE SOURCE TEST PORTS SHALL NOT EXCEED 250 DEGREES F. IF A HEAT SHIELD IS REQUIRED TO MEET THIS REQUIREMENT, ITS DESIGN SHALL BE APPROVED BY THE AQMD PRIOR TO CONSTRUCTION. THE HEAT SHIELD, IF REQUIRED TO MEET THE TEMPERATURE REQUIREMENT, SHALL BE IN PLACE WHENEVER A SOURCE TEST IS CONDUCTED BY THE AQMD.
[RULE 217]
9. A SUFFICIENT NUMBER OF SIGHT GLASS WINDOWS SHALL BE MAINTAINED IN THE FLARE TO ALLOW VISUAL INSPECTION OF THE FLAME WITHIN THE FLARE AT ALL TIMES. PERMANENT AND SAFE ACCESS SHALL BE PROVIDED FOR ALL SIGHT GLASS WINDOWS.
[RULE 217, 1303 (a)(1)-BACT]
10. A FLOW INDICATOR AND RECORDER SHALL BE MAINTAINED IN THE LANDFILL GAS SUPPLY LINE TO THE FLARE TO MEASURE AND RECORD THE GAS FLOW RATE (IN SCFM) TO THE FLARE AT LEAST EVERY 15 MINUTES AND SHALL OPERATE WHENEVER THE FLARE IS IN OPERATION.
[RULE 1150.1, 1303 (b)(2)-OFFSET, 40CFR 60.756(b)(2)(i)]
11. THE TOTAL VOLUME OF LANDFILL GAS BURNED IN THE FLARE SHALL NOT EXCEED 4,167 STANDARD CUBIC FEET PER MINUTE.
[RULE 1303 (b)(2)-OFFSET]



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

12. EMISSIONS RESULTING FROM THE FLARE SHALL NOT EXCEED THE FOLLOWING:

| POLLUTANT | LBS/HOUR |
|-----------|----------|
| NOX | 6.0 |
| SOX | 3.8 |
| CO | 4.1 |
| PM | 1.6 |
| ROG | 0.25 |

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

13. THE OWNER OR OPERATOR SHALL CONDUCT A TEST ANNUALLY OR PER THE APPROVED 1150.1 COMPLIANCE PLAN. THE TEST SHALL BE PERFORMED IN ACCORDANCE WITH AQMD APPROVED TEST PROCEDURES AND WRITTEN TEST RESULTS SHALL BE FURNISHED TO THE AQMD WITHIN SIXTY DAYS AFTER TESTING. WRITTEN NOTICE OF THE TEST SHALL BE PROVIDED TO THE AQMD THIRTY DAYS PRIOR TO THE TESTING SO THAT AN OBSERVER MAY BE PRESENT. IN ADDITION TO THE TEST REQUIREMENTS OF RULE 1150.1 AND THE APPROVED 1150.1 COMPLIANCE PLAN FOR NONMETHANE ORGANIC COMPOUNDS AND TOXIC COMPOUNDS, THE TEST SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, A TEST OF THE FLARE FOR:

- A. LANDFILL GAS COMPOSITION AND HEATING VALUE (INLET)
- B. LANDFILL GAS FLOW RATE, SCFM (INLET)
- C. TOTAL SULFUR COMPOUNDS AS H₂S, PPMV (INLET)
- D. TEMPERATURE, DEGREES F (EXHAUST)
- E. FLOW RATE, DSCFM (EXHAUST)
- F. NOX, LBS/HR (EXHAUST)
- G. SOX, LBS/HR (EXHAUST)
- H. CO, LBS/HR (EXHAUST)
- I. TOTAL PARTICULATES, LBS/HR (EXHAUST)

THE TEST SHALL BE CONDUCTED AT THE MAXIMUM FLOW RATE AVAILABLE AT THE TIME OF THE TEST BUT NOT TO EXCEED THE FLOW RATE ALLOWED BY THIS PERMIT.

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

14. THE FOLLOWING FLARE FAILURE ALARMS WHICH SHALL INCLUDE AN AUTOMATIC NOTIFICATION SYSTEM, AN AUTOMATIC BLOWER AND A LANDFILL GAS SUPPLY VALVE SHUT-OFF SYSTEM APPROVED BY THE AQMD, SHALL BE MAINTAINED AND TESTED EVERY SIX MONTHS FOR PROPER OPERATION AND THE RESULTS RECORDED:

- A. FLARE FLAME OUT
- B. LOW FLARE STACK TEMPERATURE
- C. HIGH FLARE STACK TEMPERATURE
- D. EXCESSIVE VIBRATION
- E. LOW BLOWER DISCHARGE PRESSURE

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



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

15. A PRESSURE SENSING DEVICE WITH AN AUTOMATIC BLOWER SHUT OFF SYSTEM SHALL BE MAINTAINED IN THE BLOWER DISCHARGE LINE TO DETECT PRESSURE DROP DUE TO LANDFILL GAS LEAKS AND SHALL BE TESTED EVERY SIX MONTHS FOR PROPER OPERATION AND THE RESULTS RECORDED.
[RULE 1303 (a)(1)-BACT]
16. A PRESSURE DIFFERENTIAL INDICATOR SHALL BE MAINTAINED ACROSS THE PARTICULATE FILTER.
[RULE 1303 (a)(1)-BACT]
17. A PRESSURE DIFFERENTIAL INDICATOR SHALL BE MAINTAINED ACROSS THE FLAME ARRESTOR.
[RULE 1303 (a)(1)-BACT]
18. THE HEAT RELEASE OF LANDFILL GAS BURNED IN THIS FLARE SHALL NOT EXCEED 105 MILLION BTU/HR.
[RULE 1303 (b)(2)-OFFSET]
19. LANDFILL GAS ENTERING THE FLARE SHALL BE ANALYZED WEEKLY FOR HEATING VALUE AND METHANE CONCENTRATION. RESULTS SHALL BE RECORDED AND PROVIDED TO THE AQMD UPON REQUEST.
[RULE 1303 (b)(2)-OFFSET]
20. ALL RECORDING DEVICES SHALL BE SYNCHRONIZED WITH RESPECT TO THE TIME OF DAY.
[RULE 1303 (b)(2)-OFFSET]
21. ALL RECORDS SHALL BE KEPT FOR A PERIOD OF AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE AQMD UPON REQUEST. A RECORD OF THE HOURS OF FLARE OPERATION SHALL BE INCLUDED.
[RULE 1303 (b)(2)-OFFSET]
22. ANY BREAKDOWN OR MALFUNCTION OF THE LANDFILL GAS FLARE SYSTEM RESULTING IN THE EMISSION OF RAW LANDFILL GAS SHALL BE REPORTED TO THE AQMD WITHIN ONE HOUR AFTER OCCURRENCE, AND IMMEDIATE REMEDIAL MEASURES SHALL BE UNDERTAKEN TO CORRECT THE PROBLEM AND PREVENT FURTHER EMISSIONS INTO THE ATMOSPHERE.
[RULE 430]

Emissions and Requirements:

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

NMOC: 20 PPMV OR 98% WEIGHT REDUCTION, RULE 1150.1, 40CFR60 SUBPART WWW, 40CFR63 SUBPART AAAA
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/DSCF, RULE 409
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

Periodic Monitoring:

24. APPLICANT SHALL CONDUCT PERFORMANCE TEST OF THE FLARE IN ACCORDANCE WITH AQMD TEST PROCEDURES AND FURNISH THE AQMD A WRITTEN RESULT OF SUCH PERFORMANCE TEST WITHIN 60 DAYS AFTER TESTING. WRITTEN NOTICE OF THE PERFORMANCE TEST SHALL BE PROVIDED TO THE AQMD 10 DAYS PRIOR TO THE TEST SO THAT AN OBSERVER MAY BE PRESENT. THE PERFORMANCE TEST SHALL BE CONDUCTED AT THE EXHAUST OF THE FLARE ONCE EVERY FIVE YEARS FOR NOX, CO AND PM.
[RULE 3004]



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

PERMIT TO OPERATE

Permit No. F23230
A/N 207173

Equipment Description:

LANDFILL GAS FLARING SYSTEM NO. 3 CONSISTING OF:

1. CONDENSATE KNOCKOUT DRUM, 6'-0" DIA. X 10'-0" SEAM TO SEAM HEIGHT, WITH A MIST ELIMINATOR.
2. CONDENSATE PUMP, 1 H.P., 3 GPM, SERVING A CONDENSATE KNOCKOUT DRUM AND A PARTICULATE FILTER.
3. THREE BLOWERS, LAMPSON, MODEL 362-6D, EACH 45 H.P., ONE BLOWER FOR STANDBY, VENTING THE LANDFILL GAS COLLECTION SYSTEM.
4. PARTICULATE FILTER, PEERLESS, 3'-0" DIA. X 10'-6" H.
5. TWO FLAME ARRESTORS, ONE FOR LANDFILL GAS AND ~~ONE FOR VAPORS FROM THE LEACHATE TREATMENT SYSTEM.~~ *3 Need Change*
6. FLARE, MCGILL, MODEL NO. EGF-125, 13'-0" DIA. X 50'-0" H. WITH A MULTI-JET BURNER, PROPANE GAS PILOT, ELECTRIC IGNITER, UV FLAME SENSOR, AUTOMATIC SHUTDOWN AND ALARM SYSTEM, AUTOMATIC COMBUSTION AIR REGULATING SYSTEM AND TEMPERATURE CONTROLLER.
7. LANDFILL GAS FLOW METER WITH A RECORDER.
8. LANDFILL GAS EMERGENCY SHUT-OFF VALVE.

Conditions:

1. OPERATION OF TIES 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]



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

4. A SET OF FOUR SAMPLING PORTS SHALL BE INSTALLED IN THE FLARE SHROUD AND LOCATED AT LEAST TWO FEET ABOVE THE FLAME ZONE AND AT LEAST SIX AND ONE HALF FEET BELOW THE TOP OF THE FLARE SHROUD. EACH PORT SHALL CONSIST OF A FOUR-INCH COUPLING WITH PLUG. ADEQUATE AND SAFE ACCESS TO ALL SOURCE TEST PORTS SHALL BE PROVIDED WITHIN 24 HOURS OF A REQUEST BY THE AQMD TO CONDUCT A TEST.
[RULE 217]
5. A SAMPLING PORT SHALL BE MAINTAINED AT THE INLET GAS LINE TO THE FLARE TO ALLOW LANDFILL GAS SAMPLING AND FLOW MEASUREMENT.
[RULE 217, 431.1, 1150.1]
6. THE FLARE SHALL BE EQUIPPED WITH A CONTINUOUS TEMPERATURE INDICATOR AND RECORDER WHICH MEASURES AND RECORDS THE GAS TEMPERATURE IN THE FLARE STACK. THE TEMPERATURE INDICATOR AND RECORDER SHALL OPERATE WHENEVER THE FLARE IS IN OPERATION. THE THERMOCOUPLE USED TO MEASURE THE TEMPERATURE SHALL BE AT LEAST TWO FEET ABOVE THE FLAME ZONE AND AT LEAST SIX AND ONE HALF FEET BELOW THE TOP OF THE FLARE SHROUD AND AT LEAST 0.6 SECONDS DOWNSTREAM OF THE BURNER.
[RULE 1150.1, 1303 (a)(1)-BACT, 40CFR 60.756(b)(1)]
7. WHENEVER THE FLARE IS IN OPERATION, A TEMPERATURE OF NOT LESS THAN 1600 DEGREES F, AS MEASURED BY THE TEMPERATURE INDICATOR AND RECORDER, SHALL BE MAINTAINED IN THE FLARE STACK. 3-?
[RULE 1303 (a)(1)-BACT]
8. THE SKIN TEMPERATURE OF THE FLARE SHROUD WITHIN FOUR FEET OF ALL THE SOURCE TEST PORTS SHALL NOT EXCEED 250 DEGREES F. IF A HEAT SHIELD IS REQUIRED TO MEET THIS REQUIREMENT, ITS DESIGN SHALL BE APPROVED BY THE AQMD PRIOR TO CONSTRUCTION. THE HEAT SHIELD, IF REQUIRED TO MEET THE TEMPERATURE REQUIREMENT, SHALL BE IN PLACE WHENEVER A SOURCE TEST IS CONDUCTED BY THE AQMD.
[RULE 217]
9. A SUFFICIENT NUMBER OF SIGHT GLASS WINDOWS SHALL BE MAINTAINED IN THE FLARE TO ALLOW VISUAL INSPECTION OF THE FLAME WITHIN THE FLARE AT ALL TIMES. PERMANENT AND SAFE ACCESS SHALL BE PROVIDED FOR ALL SIGHT GLASS WINDOWS.
[RULE 217, 1303 (a)(1)-BACT]
10. A FLOW INDICATOR AND RECORDER SHALL BE MAINTAINED IN THE LANDFILL GAS SUPPLY LINE TO THE FLARE TO MEASURE AND RECORD THE GAS FLOW RATE (IN SCFM) TO THE FLARE AT LEAST EVERY 15 MINUTES AND SHALL OPERATE WHENEVER THE FLARE IS IN OPERATION.
[RULE 1150.1, 1303 (b)(2)-OFFSET, 40CFR 60.756(b)(2)(i)]
11. THE TOTAL VOLUME OF LANDFILL GAS BURNED IN THE FLARE SHALL NOT EXCEED 4,167 STANDARD CUBIC FEET PER MINUTE.
[RULE 1303 (b)(2)-OFFSET]



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

12. EMISSIONS RESULTING FROM THE FLARE SHALL NOT EXCEED THE FOLLOWING:

| POLLUTANT | LBS/HOUR |
|-----------|----------|
| NOX | 6.0 |
| SOX | 3.8 |
| CO | 4.1 |
| PM | 1.6 |
| ROG | 0.25 |

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

13. THE OWNER OR OPERATOR SHALL CONDUCT A TEST ANNUALLY OR PER THE APPROVED 1150.1 COMPLIANCE PLAN. THE TEST SHALL BE PERFORMED IN ACCORDANCE WITH AQMD APPROVED TEST PROCEDURES AND WRITTEN TEST RESULTS SHALL BE FURNISHED TO THE AQMD WITHIN SIXTY DAYS AFTER TESTING. WRITTEN NOTICE OF THE TEST SHALL BE PROVIDED TO THE AQMD THIRTY DAYS PRIOR TO THE TESTING SO THAT AN OBSERVER MAY BE PRESENT. IN ADDITION TO THE TEST REQUIREMENTS OF RULE 1150.1 AND THE APPROVED 1150.1 COMPLIANCE PLAN FOR NONMETHANE ORGANIC COMPOUNDS AND TOXIC COMPOUNDS, THE TEST SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, A TEST OF THE FLARE FOR:

- A. LANDFILL GAS COMPOSITION AND HEATING VALUE (INLET)
- B. LANDFILL GAS FLOW RATE, SCFM (INLET)
- C. TOTAL SULFUR COMPOUNDS AS H₂S, PPMV (INLET)
- D. TEMPERATURE, DEGREES F (EXHAUST)
- E. FLOW RATE, DSCFM (EXHAUST)
- F. NOX, LBS/HR (EXHAUST)
- G. SOX, LBS/HR (EXHAUST)
- H. CO, LBS/HR (EXHAUST)
- I. TOTAL PARTICULATES, LBS/HR (EXHAUST)

THE TEST SHALL BE CONDUCTED AT THE MAXIMUM FLOW RATE AVAILABLE AT THE TIME OF THE TEST BUT NOT TO EXCEED THE FLOW RATE ALLOWED BY THIS PERMIT.

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

14. THE FOLLOWING FLARE FAILURE ALARMS WHICH SHALL INCLUDE AN AUTOMATIC NOTIFICATION SYSTEM, AN AUTOMATIC BLOWER AND A LANDFILL GAS SUPPLY VALVE SHUT-OFF SYSTEM APPROVED BY THE AQMD, SHALL BE MAINTAINED AND TESTED EVERY SIX MONTHS FOR PROPER OPERATION AND THE RESULTS RECORDED:

- A. FLARE FLAME OUT
- B. LOW FLARE STACK TEMPERATURE
- C. HIGH FLARE STACK TEMPERATURE
- D. EXCESSIVE VIBRATION
- E. LOW BLOWER DISCHARGE PRESSURE.

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



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

15. A PRESSURE SENSING DEVICE WITH AN AUTOMATIC BLOWER SHUT OFF SYSTEM SHALL BE MAINTAINED IN THE BLOWER DISCHARGE LINE TO DETECT PRESSURE DROP DUE TO LANDFILL GAS LEAKS AND SHALL BE TESTED EVERY SIX MONTHS FOR PROPER OPERATION AND THE RESULTS RECORDED.
[RULE 1303 (a)(1)-BACT]
16. A PRESSURE DIFFERENTIAL INDICATOR SHALL BE MAINTAINED ACROSS THE PARTICULATE FILTER.
[RULE 1303 (a)(1)-BACT]
17. A PRESSURE DIFFERENTIAL INDICATOR SHALL BE MAINTAINED ACROSS THE FLAME ARRESTOR.
[RULE 1303 (a)(1)-BACT]
18. THE HEAT RELEASE OF LANDFILL GAS BURNED IN THIS FLARE SHALL NOT EXCEED 105 MILLION BTU/HR.
[RULE 1303 (b)(2)-OFFSET]
19. LANDFILL GAS ENTERING THE FLARE SHALL BE ANALYZED WEEKLY FOR HEATING VALUE AND METHANE CONCENTRATION. RESULTS SHALL BE RECORDED AND PROVIDED TO THE AQMD UPON REQUEST.
[RULE 1303 (b)(2)-OFFSET]
20. ALL RECORDING DEVICES SHALL BE SYNCHRONIZED WITH RESPECT TO THE TIME OF DAY.
[RULE 1303 (b)(2)-OFFSET]
21. ALL RECORDS SHALL BE KEPT FOR A PERIOD OF AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE AQMD UPON REQUEST. A RECORD OF THE HOURS OF FLARE OPERATION SHALL BE INCLUDED.
[RULE 1303 (b)(2)-OFFSET]
22. ANY BREAKDOWN OR MALFUNCTION OF THE LANDFILL GAS FLARE SYSTEM RESULTING IN THE EMISSION OF RAW LANDFILL GAS SHALL BE REPORTED TO THE AQMD WITHIN ONE HOUR AFTER OCCURRENCE, AND IMMEDIATE REMEDIAL MEASURES SHALL BE UNDERTAKEN TO CORRECT THE PROBLEM AND PREVENT FURTHER EMISSIONS INTO THE ATMOSPHERE.
[RULE 430]

Emissions and Requirements:

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

NMOC: 20 PPMV OR 98% WEIGHT REDUCTION, RULE 1150.1, 40CFR60 SUBPART WWW, 40CFR63 SUBPART AAAA

CO: 2000 PPMV, RULE 407

PM: 0.1 GR/DSCF, RULE 409

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

Periodic Monitoring:

24. APPLICANT SHALL CONDUCT PERFORMANCE TEST OF THE FLARE IN ACCORDANCE WITH AQMD TEST PROCEDURES AND FURNISH THE AQMD A WRITTEN RESULT OF SUCH PERFORMANCE TEST WITHIN 60 DAYS AFTER TESTING. WRITTEN NOTICE OF THE PERFORMANCE TEST SHALL BE PROVIDED TO THE AQMD 10 DAYS PRIOR TO THE TEST SO THAT AN OBSERVER MAY BE PRESENT. THE PERFORMANCE TEST SHALL BE CONDUCTED AT THE EXHAUST OF THE FLARE ONCE EVERY FIVE YEARS FOR NOX, CO AND PM.
[RULE 3004]



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

PERMIT TO OPERATE

Permit No. F9412
A/N 330383

Equipment Description:

LANDFILL GAS FLARING SYSTEM CONSISTING OF:

1. CONDENSATE KNOCKOUT DRUM, 6'-0" DIA. X 12'-0" H. SEAM TO SEAM.
2. THREE BLOWERS, EACH 2292 SCFM, 40 H.P.
3. DRY SCRUBBER, PEERLESS, 3'-0" DIA. X 10'-6" H.
4. FLARE, MCGILL, MODEL NO. EGF-125, 13'-0" DIA. X 50'-0" H. WITH A MULTI-JET BURNER, PROPANE GAS PILOT, ELECTRIC IGNITER, UV FLAME SENSOR, AUTOMATIC SHUTDOWN AND ALARM SYSTEM, AUTOMATIC COMBUSTION AIR REGULATING SYSTEM AND TEMPERATURE CONTROLLER.
5. LANDFILL GAS FLOW METER AND RECORDER.

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 CONTINUOUS TEMPERATURE INDICATOR AND RECORDER TO MEASURE AND RECORD THE GAS TEMPERATURE (IN DEGREES F) IN THE FLARE STACK SHALL BE OPERATED WHENEVER THE FLARE IS IN OPERATION.
[RULE 1150.1, 1303 (a)(1)-BACT, 40CFR 60.756(b)(1)]
5. WHENEVER THE FLARE IS IN OPERATION, A TEMPERATURE OF NOT LESS THAN 1600 DEGREES F., AS MONITORED BY THE TEMPERATURE INDICATOR AND RECORDER, SHALL BE MAINTAINED IN THE FLARE STACK EXCEPT THAT A TEMPERATURE DROP OF UP TO 100 DEGREES F. IS ALLOWED FOR NO MORE THAN THREE MINUTES IN ANY ONE HOUR.
[RULE 1303 (a)(1)-BACT]



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

6. THE FLOW INDICATING AND RECORDING DEVICE SHALL BE MAINTAINED IN THE LANDFILL GAS SUPPLY LINE TO THE FLARE TO MEASURE AND RECORD THE GAS FLOW RATE (IN SCFM) TO THE FLARE AT LEAST EVERY 15 MINUTES AND SHALL OPERATE WHENEVER THE FLARE IS IN OPERATION.
[RULE 1150.1, 1303 (b)(2)-OFFSET, 40CFR 60.756(b)(2)(i)]
7. THE TOTAL VOLUME OF LANDFILL GAS BURNED IN THE FLARE SHALL NOT EXCEED 4167 DRY STANDARD CUBIC FEET PER MINUTE (6.0 MILLION DRY STANDARD CUBIC FEET PER DAY).
[RULE 1303 (b)(2)-OFFSET]
8. ALL RECORDING DEVICES SHALL BE SYNCHRONIZED WITH RESPECT TO THE TIME OF DAY.
[RULE 1303 (b)(2)-OFFSET]
9. THE FOLLOWING FLARE FAILURE ALARMS, WHICH SHALL INCLUDE AN AUTOMATIC NOTIFICATION SYSTEM AND AN AUTOMATIC BLOWER AND LANDFILL GAS INLET VALVE SHUT-OFF SYSTEM, SHALL BE MAINTAINED:
 - A. FLARE FLAME OUT
 - B. LOW FLARE STACK TEMPERATURE
 - C. HIGH FLARE STACK TEMPERATURE
 - D. HIGH BLOWER DISCHARGE TEMPERATURE
 - E. EXCESSIVE VIBRATION[RULE 1303 (a)(1)-BACT]
10. THE FLARE FAILURE ALARMS SHALL BE TESTED AND THE RESULTS RECORDED ONCE EVERY SIX MONTHS.
[RULE 217]
11. THE FLAME IN THE FLARE SHALL REMAIN AT LEAST TWO FEET BELOW THE TEMPERATURE SENSOR AT ALL TIMES.
[RULE 1303 (a)(1)-BACT]
12. A SET OF FOUR SAMPLING PORTS SHALL BE MAINTAINED IN THE FLARE STACK AT LEAST TWO FEET ABOVE THE FLAME ZONE AND AT LEAST SIX AND ONE HALF FEET BELOW THE TOP OF THE FLARE STACK 90 DEGREES APART. EACH SAMPLING PORT SHALL CONSIST OF A FOUR INCH COUPLING WITH CAP. ADEQUATE AND SAFE ACCESS TO ALL TEST PORTS SHALL BE PROVIDED WITHIN FOUR HOURS OF A REQUEST BY THE AQMD TO CONDUCT A TEST.
[RULE 217]
13. A SAMPLE PORT SHALL BE MAINTAINED IN THE INLET GAS LINE TO THE FLARE TO ALLOW THE COLLECTION OF A LANDFILL GAS SAMPLE.
[RULE 217, 431.1, 1150.1]
14. THE SKIN TEMPERATURE OF THE FLARE STACK WITHIN FOUR FEET OF THE SOURCE TEST PORTS SHALL NOT EXCEED 250 DEGREES F. A HEAT SHIELD, IF REQUIRED TO MEET THE TEMPERATURE REQUIREMENT, SHALL BE IN PLACE WHENEVER A SOURCE TEST IS CONDUCTED BY THE AQMD.
[RULE 217]



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

15. EMISSIONS RESULTING FROM THE FLARE SHALL NOT EXCEED THE FOLLOWING:
- | POLLUTANT | LBS/DAY |
|-----------|---------|
| ROG | 23 |
| NOX | 174 |
| SOX | 107 |
| CO | 104 |
| PM10 | 41 |
- [RULE 1303 (b)(2)-OFFSET]
16. LANDFILL GAS ENTERING THE FLARE SHALL BE ANALYZED WEEKLY FOR HEATING VALUE AND METHANE CONCENTRATION. RESULTS SHALL BE RECORDED AND PROVIDED TO AQMD PERSONNEL UPON REQUEST.
[RULE 1303 (b)(2)-OFFSET]
17. THE HEAT RELEASE OF LANDFILL GAS BURNED IN THIS FLARE SHALL NOT EXCEED 105 MILLION BTU/HR.
[RULE 1303 (b)(2)-OFFSET]
18. ALL RECORDS SHALL BE KEPT FOR A PERIOD OF AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1150.1, 1303 (b)(2)-OFFSET]

Emissions and Requirements:

19. NMOC: 20 PPMV OR 98% WEIGHT REDUCTION, RULE 1150.1, 40CFR60 SUBPART WWW, 40CFR63 SUBPART AAAA
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/DSCF, RULE 409
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

Periodic Monitoring:

20. APPLICANT SHALL CONDUCT PERFORMANCE TEST OF THE FLARE IN ACCORDANCE WITH AQMD TEST PROCEDURES AND FURNISH THE AQMD A WRITTEN RESULT OF SUCH PERFORMANCE TEST WITHIN 60 DAYS AFTER TESTING. WRITTEN NOTICE OF THE PERFORMANCE TEST SHALL BE PROVIDED TO THE AQMD 10 DAYS PRIOR TO THE TEST SO THAT AN OBSERVER MAY BE PRESENT. THE PERFORMANCE TEST SHALL BE CONDUCTED AT THE EXHAUST OF THE FLARE ONCE EVERY FIVE YEARS FOR NOX, CO AND PM.
[RULE 3004]



AQMD

FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

PERMIT TO OPERATE

Permit No. F9412
A/N 330383

Equipment Description:

LANDFILL GAS FLARING SYSTEM CONSISTING OF:

1. CONDENSATE KNOCKOUT DRUM, 6'-0" DIA. X 12'-0" H. SEAM TO SEAM.
2. THREE BLOWERS, EACH 2292 SCFM, 40 H.P.
3. DRY SCRUBBER, PEERLESS, 3'-0" DIA. X 10'-6" H.
4. FLARE, MCGILL, MODEL NO. EGF-125, 13'-0" DIA. X 50'-0" H. WITH A MULTI-JET BURNER, PROPANE GAS PILOT, ELECTRIC IGNITER, UV FLAME SENSOR, AUTOMATIC SHUTDOWN AND ALARM SYSTEM, AUTOMATIC COMBUSTION AIR REGULATING SYSTEM AND TEMPERATURE CONTROLLER.
5. LANDFILL GAS FLOW METER AND RECORDER.

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 CONTINUOUS TEMPERATURE INDICATOR AND RECORDER TO MEASURE AND RECORD THE GAS TEMPERATURE (IN DEGREES F) IN THE FLARE STACK SHALL BE OPERATED WHENEVER THE FLARE IS IN OPERATION.
[RULE 1150.1, 1303 (a)(1)-BACT, 40CFR 60.756(b)(1)]
5. WHENEVER THE FLARE IS IN OPERATION, A TEMPERATURE OF NOT LESS THAN 1600 DEGREES F., AS MONITORED BY THE TEMPERATURE INDICATOR AND RECORDER, SHALL BE MAINTAINED IN THE FLARE STACK EXCEPT THAT A TEMPERATURE DROP OF UP TO 100 DEGREES F. IS ALLOWED FOR NO MORE THAN THREE MINUTES IN ANY ONE HOUR.
[RULE 1303 (a)(1)-BACT]



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

6. THE FLOW INDICATING AND RECORDING DEVICE SHALL BE MAINTAINED IN THE LANDFILL GAS SUPPLY LINE TO THE FLARE TO MEASURE AND RECORD THE GAS FLOW RATE (IN SCFM) TO THE FLARE AT LEAST EVERY 15 MINUTES AND SHALL OPERATE WHENEVER THE FLARE IS IN OPERATION.
[RULE 1150.1, 1303 (b)(2)-OFFSET, 40CFR 60.756(b)(2)(i)]
7. THE TOTAL VOLUME OF LANDFILL GAS BURNED IN THE FLARE SHALL NOT EXCEED 4167 DRY STANDARD CUBIC FEET PER MINUTE (6.0 MILLION DRY STANDARD CUBIC FEET PER DAY).
[RULE 1303 (b)(2)-OFFSET]
8. ALL RECORDING DEVICES SHALL BE SYNCHRONIZED WITH RESPECT TO THE TIME OF DAY.
[RULE 1303 (b)(2)-OFFSET]
9. THE FOLLOWING FLARE FAILURE ALARMS, WHICH SHALL INCLUDE AN AUTOMATIC NOTIFICATION SYSTEM AND AN AUTOMATIC BLOWER AND LANDFILL GAS INLET VALVE SHUT-OFF SYSTEM, SHALL BE MAINTAINED:
 - A. FLARE FLAME OUT
 - B. LOW FLARE STACK TEMPERATURE
 - C. HIGH FLARE STACK TEMPERATURE
 - D. HIGH BLOWER DISCHARGE TEMPERATURE
 - E. EXCESSIVE VIBRATION[RULE 1303 (a)(1)-BACT]
10. THE FLARE FAILURE ALARMS SHALL BE TESTED AND THE RESULTS RECORDED ONCE EVERY SIX MONTHS.
[RULE 217]
11. THE FLAME IN THE FLARE SHALL REMAIN AT LEAST TWO FEET BELOW THE TEMPERATURE SENSOR AT ALL TIMES.
[RULE 1303 (a)(1)-BACT]
12. A SET OF FOUR SAMPLING PORTS SHALL BE MAINTAINED IN THE FLARE STACK AT LEAST TWO FEET ABOVE THE FLAME ZONE AND AT LEAST SIX AND ONE HALF FEET BELOW THE TOP OF THE FLARE STACK 90 DEGREES APART. EACH SAMPLING PORT SHALL CONSIST OF A FOUR INCH COUPLING WITH CAP. ADEQUATE AND SAFE ACCESS TO ALL TEST PORTS SHALL BE PROVIDED WITHIN FOUR HOURS OF A REQUEST BY THE AQMD TO CONDUCT A TEST.
[RULE 217]
13. A SAMPLE PORT SHALL BE MAINTAINED IN THE INLET GAS LINE TO THE FLARE TO ALLOW THE COLLECTION OF A LANDFILL GAS SAMPLE.
[RULE 217, 431.1, 1150.1]
14. THE SKIN TEMPERATURE OF THE FLARE STACK WITHIN FOUR FEET OF THE SOURCE TEST PORTS SHALL NOT EXCEED 250 DEGREES F. A HEAT SHIELD, IF REQUIRED TO MEET THE TEMPERATURE REQUIREMENT, SHALL BE IN PLACE WHENEVER A SOURCE TEST IS CONDUCTED BY THE AQMD.
[RULE 217]



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

15. EMISSIONS RESULTING FROM THE FLARE SHALL NOT EXCEED THE FOLLOWING:

| POLLUTANT | LBS/DAY |
|-----------|---------|
| ROG | 23 |
| NOX | 174 |
| SOX | 107 |
| CO | 104 |
| PM10 | 41 |

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

16. LANDFILL GAS ENTERING THE FLARE SHALL BE ANALYZED WEEKLY FOR HEATING VALUE AND METHANE CONCENTRATION. RESULTS SHALL BE RECORDED AND PROVIDED TO AQMD PERSONNEL UPON REQUEST.

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

17. THE HEAT RELEASE OF LANDFILL GAS BURNED IN THIS FLARE SHALL NOT EXCEED 105 MILLION BTU/HR.

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

18. ALL RECORDS SHALL BE KEPT FOR A PERIOD OF AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.

[RULE 1150.1, 1303 (b)(2)-OFFSET]

Emissions and Requirements:

19. NMOC: 20 PPMV OR 98% WEIGHT REDUCTION, RULE 1150.1, 40CFR60 SUBPART WWW, 40CFR63 SUBPART AAAA

CO: 2000 PPMV, RULE 407

PM: 0.1 GR/DSCF, RULE 409

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

Periodic Monitoring:

20. APPLICANT SHALL CONDUCT PERFORMANCE TEST OF THE FLARE IN ACCORDANCE WITH AQMD TEST PROCEDURES AND FURNISH THE AQMD A WRITTEN RESULT OF SUCH PERFORMANCE TEST WITHIN 60 DAYS AFTER TESTING. WRITTEN NOTICE OF THE PERFORMANCE TEST SHALL BE PROVIDED TO THE AQMD 10 DAYS PRIOR TO THE TEST SO THAT AN OBSERVER MAY BE PRESENT. THE PERFORMANCE TEST SHALL BE CONDUCTED AT THE EXHAUST OF THE FLARE ONCE EVERY FIVE YEARS FOR NOX, CO AND PM.

[RULE 3004]



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

PERMIT TO OPERATE

**Permit No. F43463
A/N 387641**

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF TWO CARBON ADSORBERS, IN SERIES, EACH WITH 2000 LBS OF ACTIVATED CARBON, VENTING TWO AIR STRIPPERS FROM THE LANDFILL LEACHATE/CONDENSATE HANDLING AND TREATING 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. A FLOW INDICATOR SHALL BE INSTALLED AND MAINTAINED AT THE INLET TO THE CARBON ADSORBERS TO INDICATE THE FLOW RATE IN STANDARD CUBIC FEET PER MINUTE (SCFM). IN CASE A PRESSURE SENSOR DEVICE IS USED IN PLACE OF THE FLOW INDICATOR, A CONVERSION CHART SHALL BE POSTED ON THE EQUIPMENT TO INDICATE THE FLOW RATE (IN CFM) CORRESPONDING TO THE PRESSURE READING.
[RULE 1303 (b)(2)-OFFSET]
4. THE TOTAL FLOW RATE AT THE INLET TO THE CARBON ADSORBERS SHALL NOT EXCEED 1000 SCFM.
[RULE 1303 (b)(2)-OFFSET]
5. GRAB SAMPLES SHALL BE COLLECTED AT THE OUTLET OF EACH CARBON VESSEL ONCE EVERY QUARTER. EACH SAMPLE SHALL BE ANALYZED FOR VOC AS HEXANE (PPMV) IN ACCORDANCE WITH AQMD APPROVED METHODS AND THE SAMPLE FROM THE SECONDARY OUTLET SHALL BE SPECIATED FOR CHLOROFORM IN ACCORDANCE WITH AQMD APPROVED METHODS.
[RULE 1303 (b)(2)-OFFSET]
6. WHENEVER THE OUTLET OF THE PRIMARY ADSORBER EXCEEDS 50 PPMV, AS HEXANE, THE AIR POLLUTION CONTROL SYSTEM SHALL BE SHUT DOWN AND THE PRIMARY ADSORBER REPLACED WITH FRESH CARBON OR WITH THE SECONDARY VESSEL AND THE SECONDARY VESSEL REPLACED WITH FRESH CARBON.
[RULE 1303 (b)(2)-OFFSET]



**FACILITY PERMIT TO OPERATE
SUNSHINE CANYON LANDFILL**

7. VOC EMISSIONS AT THE OUTLET OF THE CARBON SYSTEM SHALL NOT EXCEED 50 PPMV AS HEXANE.
[RULE 1303 (b)(2)-OFFSET]
8. CHLOROFORM EMISSIONS AT THE OUTLET OF THE CARBON SYSTEM SHALL NOT EXCEED 2 PPMV.
[RULE 1401]
9. THE STACK HEIGHT SHALL BE A MINIMUM OF 14'-0" ABOVE GRADE.
[RULE 1303 (a)(1)-BACT]
10. RECORDS SHALL BE MAINTAINED AS REQUIRED BY THIS PERMIT FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1303 (b)(2)-OFFSET]



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

PERMIT TO OPERATE

**Permit No. F63135
A/N 412777**

Equipment Description:

LANDFILL GAS COLLECTION SYSTEM CONSISTING OF:

1. CITY SITE, UP TO TWO HUNDRED SIXTY FOUR (264) VERTICAL LANDFILL GAS COLLECTION WELLS, 44,000 LINEAR FEET OF HORIZONTAL COLLECTORS AND ASSOCIATED PIPING.
2. COUNTY SITE, UP TO TWO HUNDRED SEVENTY (270) VERTICAL LANDFILL GAS COLLECTION WELLS, 60,000 LINEAR FEET OF HORIZONTAL COLLECTORS AND ASSOCIATED PIPING.

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. DURING WELL DRILLING, AN APPROVED EMISSION CONTROL BOX SHALL BE PLACED OVER THE WELL HOLE TO COLLECT LANDFILL GAS. THE COLLECTED GAS SHALL EITHER BE DIRECTED TO AN OPERATING FLARE SYSTEM WHICH HAS A VALID PERMIT ISSUED BY THE AQMD, OR VENTED TO A CARBON ADSORPTION UNIT WHICH HAS SUFFICIENT CAPACITY TO REMOVE ODORS WHEN THERE IS NO OPERATIONAL GAS COLLECTION/FLARING SYSTEM AVAILABLE NEARBY.
[RULE 402]
5. WELL DRILLING, DRIVING AND/OR TRENCHING SHALL NOT BE CONDUCTED BETWEEN THE HOURS OF 6 P.M. AND 7 A.M. OR ON SATURDAYS, SUNDAYS OR LEGAL HOLIDAYS, UNLESS OTHERWISE APPROVED BY THE AQMD.
[RULE 402, 1150]



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

6. WELL DRILLING, DRIVING, AND/OR TRENCHING SHALL NOT BE CONDUCTED ON DAYS WHEN THE AQMD FORECASTS SECOND OR THIRD STAGE EPISODES FOR AREA NO. 13, OR WHEN THE AQMD REQUIRES COMPANIES IN AREA NO. 13 TO IMPLEMENT THEIR SECOND OR THIRD STAGE EPISODE PLANS. EPISODE FORECASTS FOR THE FOLLOWING DAY CAN BE OBTAINED BY CALLING (800) 288-7664.
[RULE 402, 1150]
7. WELL DRILLING, DRIVING AND/OR TRENCHING SHALL NOT BE CONDUCTED WHEN THE WIND SPEED IS GREAT ENOUGH TO CREATE VISIBLE DUST, EVEN WITH THE APPLICATION OF WATER, BEYOND 100 FEET FROM WORKING AREA.
[RULE 402, 403, 1150]
8. THE CONSTRUCTION OF ANY PIPING OR WELL TRENCH WHICH EXPOSES LANDFILL TRASH TO THE ATMOSPHERE SHALL BE STAGED SUCH THAT NO MORE THAN THREE HUNDRED (300) LINEAR FEET OF TRENCH IS EXPOSED AT ANY TIME PRIOR TO BACKFILLING.
[RULE 402, 1150]
9. 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 WORKING DAY.
[RULE 402, 1150.1]
10. FOR PURPOSES OF THIS PERMIT, CONSTRUCTION SPOILS ARE LANDFILL TRASH, MATERIAL THAT IS MIXED WITH LANDFILL TRASH, MATERIAL THAT HAS BEEN IN CONTACT WITH LANDFILL TRASH, OR ODOROUS MATERIAL THAT IS REMOVED FROM WELL HOLES OR TRENCHES.
[RULE 402, 403, 1150]
11. CONSTRUCTION SPOILS AND ALL WORKING AREAS BEING ACTIVELY USED FOR TRUCK AND CONSTRUCTION EQUIPMENT TRAFFICKING SHALL BE MAINTAINED IN A MOIST CONDITION TO MINIMIZE DUST AND EMISSIONS.
[RULE 402, 403, 1150]
12. ALL CONSTRUCTION SPOILS SHALL BE TRANSPORTED TO THE ACTIVE WORKING FACE OF THE LANDFILL WITHIN ONE HOUR OF GENERATION OR AS DEEMED NECESSARY BY AQMD PERSONNEL.
[RULE 402, 1150]
13. DURING TRANSPORT OF THE CONSTRUCTION SPOILS, NO MATERIAL SHALL EXTEND ABOVE THE SIDES OR REAR OF THE VEHICLE HAULING THE MATERIAL.
[RULE 1150]
14. THE EXTERIOR OF THE VEHICLE (INCLUDING THE TIRES) HAULING THE CONSTRUCTION SPOILS SHALL BE CLEANED OFF PRIOR TO LEAVING THE WORKING SITE.
[RULE 1150]



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

15. IF A DISTINCT ODOR LEVEL (LEVEL III OR GREATER) RESULTING FROM THE CONSTRUCTION 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 AQMD PERSONNEL OR ON-SITE SAFETY COORDINATOR IN THE ABSENCE OF SCAQMD PERSONNEL
[RULE 402, 1150]
16. DURING CONSTRUCTION, 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 IS MITIGATED AND THE APPROVAL TO RESUME WORK IS RECEIVED FROM THE AQMD.
[RULE 402, 1150]
17. MITIGATION MEASURES, OTHER THAN THOSE INDICATED IN THESE CONDITIONS, WHICH ARE DEEMED APPROPRIATE BY AQMD PERSONNEL AS NECESSARY TO PROTECT THE COMFORT, REPOSE, HEALTH OR SAFETY OF THE PUBLIC SHALL BE IMPLEMENTED UPON REQUEST.
[RULE 402, 1150]
18. EACH WELL HEAD SHALL BE EQUIPPED WITH A SHUT-OFF VALVE AND A SAMPLING PORT.
[RULE 1150.1]
19. 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]
20. EACH WELL SHALL BE SECURELY SEALED TO PREVENT ANY EMISSIONS OF LANDFILL GAS FROM AROUND THE WELL CASING
[RULE 402, 1150.1]
21. ALL OPENINGS OF THIS SYSTEM INCLUDING CONDENSATE REMOVAL EQUIPMENT SHALL BE PROPERLY COVERED AND SEALED TO PREVENT ANY VAPORS FROM ENTERING INTO THE ATMOSPHERE.
[RULE 402, 1150]
22. ALL GASES COLLECTED BY THIS SYSTEM SHALL BE VENTED TO A COMBUSTION OR PROCESSING FACILITY 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, 1401, 40CFR60 SUBPART WWW]
23. THE OPERATION OF THIS EQUIPMENT SHALL NOT RESULT IN THE RELEASE OF ANY RAW LANDFILL GAS OR CONDENSATE INTO THE ATMOSPHERE.
[RULE 402, 1150]
24. EACH VERTICAL WELL SHALL BE CONNECTED TO AN OPERATING LANDFILL GAS HEADER AS SOON AS POSSIBLE.
[RULE 402, 1150.1]



**FACILITY PERMIT TO OPERATE
SUNSHINE CANYON LANDFILL**

25. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE MITIGATION MEASURES STIPULATED IN THE STATEMENT OF FINDINGS, STATEMENT OF OVERRIDING CONSIDERATIONS AND MITIGATION MONITORING PLAN DOCUMENT WHICH IS PART OF THE CERTIFIED ENVIRONMENTAL IMPACT REPORT.
[RULE 204]

Emissions and Requirements:

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

GASEOUS EMISSIONS: RULE 1150, 40CFR60 SUBPART WWW, 40CFR63 SUBPART AAAA



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

PERMIT TO CONSTRUCT/OPERATE

**Permit No. G6687
A/N 501513**

Equipment Description

LANDFILL LEACHATE CONDENSATE COLLECTION AND TREATMENT SYSTEM CONSISTING OF:

1. INFLUENT STORAGE TANK, LEACHATE CONDENSATE, 8,000 GALLONS, VENTED TO A VAPOR ADSORBER WITH 200 LBS OF ACTIVATED CARBON.
2. TWO EMERGENCY STORAGE TANKS, LEACHATE CONDENSATE, EACH 10,000 GALLONS, VENTED TO A VAPOR ADSORBER WITH 200 LBS OF ACTIVATED CARBON.
3. THREE PARTICULATE FILTERS, LEACHATE/CONDENSATE, EACH 30 GPM..
4. THREE CARBON ADSORBERS, LIQUID PHASE, IN SERIES, EACH 2000 LBS OF GRANULAR ACTIVATED CARBON
5. ONE STORAGE TANK, SODIUM HYPOCHLORITE, 500 GALLONS.
6. STORAGE/SURGE TANK, EFFLUENT, 5,000 GALLONS, 10'-0" DIA X 12'-0" H.

Conditions

1. CONSTRUCTION AND OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THIS 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. THIS EQUIPMENT SHALL BE EQUIPPED WITH SOLID COVERS WITH ALL OPENINGS SEALED TO PREVENT VAPORS FROM RELEASING INTO THE ATMOSPHERE. ANY GAGEING, SAMPLING AND LEAK DETECTION DEVICE SHALL BE COVERED AND SEALED AT ALL TIMES EXCEPT WHEN THE DEVICE IS IN ACTUAL USE.
[RULE 1303 (a)(1)-BACT]



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

5. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS ALL VENTS OR EXHAUSTS ARE DIRECTED TO A CARBON ADSORBER.
[RULE 1303 (a)(1)-BACT]
7. A FLOW TOTALIZER SHALL BE INSTALLED AT THE INFLUENT FEED LINE AND AT THE EFFLUENT DISCHARGE LINE TO INDICATE THE TOTAL AMOUNT (IN GALLONS) OF LEACHATE/CONDENSATE TREATED BY THIS SYSTEM.
[RULE 1303 (b)(2)-OFFSET]
8. THE AMOUNT OF LEACHATE/CONDENSATE FED TO EACH TREATMENT SYSTEM SHALL BE RECORDED IN A LOG BOOK ON A DAILY BASIS.
[RULE 1303 (b)(2)-OFFSET]
9. THE TOTAL AMOUNT OF CONDENSATE LEACHATE TREATED (IN THE TREATMENT SYSTEM) SHALL NOT EXCEED 57,600 GALLONS PER DAY.
[RULE 1303 (b)(2)-OFFSET]
10. THE OPERATION OF THIS EQUIPMENT SHALL NOT RESULT IN THE DISCHARGE OF UNTREATED, ODOROUS LIQUID INTO THE ATMOSPHERE.
[RULE 402]
11. ANY LIQUID USED FOR DUST CONTROL OR OTHER PURPOSES SHALL BE ODORLESS, SHALL NOT CONTAIN TOTAL VOLATILE ORGANIC COMPOUNDS IN EXCESS OF 45 UG/L AND SHALL BE MONITORED AND RECORDED MONTHLY.
[RULE 402]
12. ALL RECORDS SHALL BE KEPT FOR A PERIOD OF AT LEAST FIVE YEARS AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1150.1, 1303 (b)(2)-OFFSET]
13. TOTAL ORGANIC COMPOUND (TOC) EMISSIONS FROM THE OUTLET OF THE VAPOR ADSORBERS FOR THE INFLUENT AND THE EMERGENCY STORAGE TANKS SHALL BE MEASURED AT LEAST ONCE A MONTH.
14. TOTAL ORGANIC COMPOUND (TOC) EMISSIONS FROM THE OUTLET OF ANY OF THE VAPOR ADSORBERS SHALL NOT EXCEED 50 PPM AS METHANE.
15. ALL CONDENSATE VALVES, AND OPENINGS SHALL BE PROPERLY SEALED OR CLOSED TO PREVENT RAW CONDENSATE VAPORS FROM ENTERING INTO THE ATMOSPHERE.
16. THIS PERMIT SHALL EXPIRE IF CONSTRUCTION OF THIS EQUIPMENT IS NOT COMPLETE WITHIN ONE YEAR FROM THE DATE OF ISSUANCE OF THIS PERMIT UNLESS AN EXTENSION IS GRANTED BY THE EXECUTIVE OFFICER.
[RULE 204]
17. THE OPERATOR SHALL REPLACE THE CARBON IN THE VAPOR ADSORBERS WITH FRESH CARBON WHEN THE EMISSIONS AT THE EXHAUST OF THE VAPOR ADSORBERS EXCEED THE LIMIT IN CONDITION NO. 14. RECORDS OF THE DATE OF REPLACEMENT AND TOC READINGS BEFORE AND AFTER CARBON REPLACEMENT SHALL BE MAINTAINED AND KEPT ON FILE



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

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Facility I.D.#: 049111
Revision #: 2
Date: January 15, 2010

FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

18. SPENT CARBON REMOVED FROM THE VAPOR ADSORBERS SHALL BE STORED IN CLOSED CONTAINERS PRIOR TO DISPOSAL OR REGENERATION.



PERMIT TO CONSTRUCT/OPERATE

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for the annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner
or Operator:

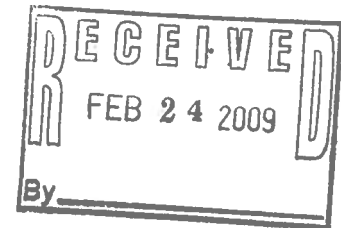
SUNSHINE CANYON LANDFILL
14747 SAN FERNANDO RD, ATTN: SUSAN JENNINGS
SYLMAR, CA 91342

ID 49111

Equipment Location: 14747 SAN FERNANDO RD, SYLMAR, CA 91342

Equipment Description :

INTERNAL COMBUSTION ENGINE, PORTABLE, NON-ROAD, DIESEL FUELED, JOHN DEERE, MODEL
NO. 6068H, 156 BHP, TURBOCHARGED, DRIVING A LANDFILL TIPPER.



Conditions :

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
3. THIS EQUIPMENT SHALL BE OPERATED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
4. THIS EQUIPMENT SHALL NOT RESIDE AT THE SAME LOCATION WITHIN THE FACILITY FOR MORE THAN 12 CONSECUTIVE MONTHS.
5. A NON RESETTABLE TIMER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE OPERATING HOURS.
6. THIS EQUIPMENT SHALL NOT OPERATE MORE THAN 3744 HOURS IN ANY ONE YEAR.
7. THE SULFUR CONTENT OF THE DIESEL FUEL, SUPPLIED TO THE ENGINE SHALL BE 15 PPM OR LESS BY WEIGHT.
8. THIS EQUIPMENT MAY INITIALLY OPERATE FOR UP TO 192 HRS WITHOUT A CARB LEVEL 3 PARTICULATE FILTER AND THEN SHALL OPERATE WITH A HUSS FS-MK SERIES OR CARB LEVEL 3 EQUIVALENT PARTICULATE FILTER THEREAFTER.
9. THE PARTICULATE FILTER MAKE AND MODEL NUMBER SHALL BE AFFIXED TO THE FILTER AND A LIST OF THE CARB APPROVED FILTERS SHALL BE KEPT ON FILE AT THE FACILITY.

ORIGINAL



PERMIT TO CONSTRUCT/OPERATE

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for the annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner
or Operator:

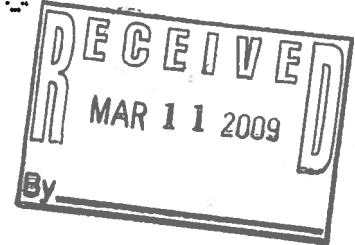
SUNSHINE CANYON LANDFILL
14747 SAN FERNANDO RD, ATTN: SUSAN JENNINGS
SYLMAR, CA 91342

ID 49111

Equipment Location: 14747 SAN FERNANDO RD, SYLMAR, CA 91342

Equipment Description :

INTERNAL COMBUSTION ENGINE, PORTABLE, NON-ROAD, DIESEL FUELED, JOHN DEERE, MODEL NO. 6068H, 156 BHP, TURBOCHARGED, DRIVING A LANDFILL TIPPER.



Conditions :

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
3. THIS EQUIPMENT SHALL BE OPERATED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
4. THIS EQUIPMENT SHALL NOT RESIDE AT THE SAME LOCATION WITHIN THE FACILITY FOR MORE THAN 12 CONSECUTIVE MONTHS.
5. A NON RESETTABLE TIMER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE OPERATING HOURS.
6. THIS EQUIPMENT SHALL NOT OPERATE MORE THAN 3744 HOURS IN ANY ONE YEAR.
7. THE SULFUR CONTENT OF THE DIESEL FUEL, SUPPLIED TO THE ENGINE SHALL BE 15 PPM OR LESS BY WEIGHT.
8. THIS EQUIPMENT MAY INITIALLY OPERATE FOR UP TO 192 HRS WITHOUT A CARB LEVEL 3 PARTICULATE FILTER AND THEN SHALL OPERATE WITH A HUSS FS-MK SERIES OR CARB LEVEL 3 EQUIVALENT PARTICULATE FILTER THEREAFTER.
9. THE PARTICULATE FILTER MAKE AND MODEL NUMBER SHALL BE AFFIXED TO THE FILTER AND A LIST OF THE CARB APPROVED FILTERS SHALL BE KEPT ON FILE AT THE FACILITY.

ORIGINAL



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

RULE 219 EQUIPMENT

Equipment Description:

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

Periodic Monitoring:

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

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

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

[RULE 3004 (a) (4)]

Emissions and Requirements:

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

VOC: RULE 1113, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, HAND WIPING OPERATIONS.

Emissions and Requirements:

- I. 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 SUNSHINE CANYON LANDFILL

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT.

Emissions and Requirements:

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

HALON: RULE 1418

VOC: RULE 1171. SEE APPENDIX B FOR EMISSION LIMITS



AQMD

FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

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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FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

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 SUNSHINE CANYON LANDFILL

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT.

Emissions and Requirements:

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

HALON: RULE 1418

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

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FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

SECTION E: ADMINISTRATIVE CONDITIONS

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

1. The permit shall remain effective unless this permit is suspended, revoked, modified, reissued, denied, or it is expired for nonpayment of permit processing or annual operating fees. [201, 203, 209, 301]
 - a. The permit must be renewed annually by paying annual operating fees, and the permit shall expire if annual operating fees are not paid pursuant to requirements of Rule 301(d). [301(d)]
 - b. The Permit to Construct listed in Section H shall expire one year from the Permit to Construct issuance date, unless a Permit to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the Executive Officer prior to the operation of the equipment, in which case the Permit to Construct serves as a temporary Permit to Operate. [202, 205]
 - c. The Title V permit shall expire as specified under Section K of the Title V permit. The permit expiration date of the Title V facility permit does not supercede the requirements of Rule 205. [205, 3004]
2. The operator shall maintain all equipment in such a manner that ensures proper operation of the equipment. [204]
3. This permit does not authorize the emissions of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules and Regulations of the AQMD. This permit cannot be considered as permission to violate existing laws, ordinances, regulations, or statutes of other governmental agencies. [204]
4. The operator shall not use equipment identified in this facility permit as being connected to air pollution control equipment unless they are so vented to the identified air pollution control equipment which is in full use and which has been included in this permit. [204]
5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation. [204]
6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to AQMD personnel upon request and be maintained for at least five years. [204]



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

SECTION E: ADMINISTRATIVE CONDITIONS

7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by AQMD rules or permit conditions: [204]
 - a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134]
 - b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
 - c. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes; [204]
 - d. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compounds which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO₂) and be averaged over 15 consecutive minutes; [407]
 - e. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent of carbon dioxide (CO₂) at standard conditions and averaged over a minimum of 15 consecutive minutes. [409]
 - f. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O₂) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]
8. The operator shall, when a source test is required by AQMD, provide a source test protocol to AQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by AQMD. The test protocol shall contain the following information: [204, 304]
 - a. Brief description of the equipment tested.
 - b. Brief process description, including maximum and normal operating temperatures, pressures, throughput, etc.
 - c. Operating conditions under which the test will be performed.
 - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts and stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream)



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

SECTION E: ADMINISTRATIVE CONDITIONS

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



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SECTION F: RECLAIM Monitoring and Source Testing Requirements

NOT APPLICABLE



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SECTION G: Recordkeeping and Reporting Requirements for RECLAIM Sources

NOT APPLICABLE



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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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



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SECTION I: COMPLIANCE PLANS AND SCHEDULES

This section lists all compliance plans approved by AQMD for the purpose of meeting the requirements of applicable AQMD rules specified below. The operator shall comply with all conditions specified in the approval of these plans.

List of approved compliance plans:

| Application | Rule |
|--------------------|-------------|
| 291681 | 431.1 |
| 343733 | 1150.1 |



FACILITY PERMIT TO OPERATE
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SECTION J: AIR TOXICS
[40CFR 63 Subpart AAAA 1-16-2003]

NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS -
MUNICIPAL SOLID WASTE LANDFILLS

- (1) The owner/operator of a municipal solid waste (MSW) landfill shall comply with all applicable requirements of 40 CFR 63, Subpart AAAA and of 40 CFR 63, Subpart A – General Provisions by the compliance date(s) that are specified in these subparts.
- (2) The owner/operator of a MSW landfill system shall comply with all applicable requirements for installation and operation of a landfill gas collection and/or control system as specified in 40 CFR 60, subpart Cc or WWW.
- (3) The operator shall keep all records pursuant to Section 63.1980 of this subpart or Subpart A to demonstrate compliance with all applicable requirements. All records including data, calculations and any supporting documentation shall be prepared in a format which is acceptable to the AQMD.
- (4) The operator shall submit all reports, notifications, plans, submittals and other communications required by Section 63.1980 of this subpart or Subpart A to the AQMD and, unless notified to the contrary by AQMD or US EPA, to US EPA Region IX (See Sections E and K of this permit for addresses).
- (5) Alternative plans, compliance plans, and the construction and operation of new or modified air pollution control equipment that are required by this subpart shall be approved through the AQMD permit system.



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

SECTION K: TITLE V Administration

GENERAL PROVISIONS

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

Permit Renewal and Expiration

3. (A) Except for solid waste incineration facilities subject to standards under Section 129(e) of the Clean Air Act, this permit shall expire five years from the date that the initial Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]

(B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]
4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

Duty to Provide Information

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

Payment of Fees

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

Reopening for Cause

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:

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



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FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDEILL

SECTION K: TITLE V Administration

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

COMPLIANCE PROVISIONS

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

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

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



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



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



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EMERGENCY PROVISIONS

17. An emergency¹ constitutes an affirmative defense to an action brought for non-compliance with a technology-based emission limit only if:
- (A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:
 - (1) An emergency occurred and the operator can identify the cause(s) of the emergency;
 - (2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;
 - (3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,
 - (4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and
 - (B) The operator complies with the breakdown provisions of Rule 430 - Breakdown Provisions, or subdivision (i) of Rule 2004 - Requirements, whichever is applicable. [3002(g), 430, 2004(i)]
18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

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



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RECORDKEEPING PROVISIONS

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

REPORTING PROVISIONS

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



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

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

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



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PERIODIC MONITORING

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



**FACILITY PERMIT TO OPERATE
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SECTION K: TITLE V Administration

FACILITY RULES

This facility is subject to the following rules and regulations:

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

| RULE SOURCE | Adopted/Amended Date | FEDERAL Enforceability |
|--|-----------------------------|-------------------------------|
| RULE 109 | 5-2-2003 | Federally enforceable |
| RULE 1113 | 11-8-1996 | Federally enforceable |
| RULE 1113 | 12-6-2002 | Non federally enforceable |
| RULE 1150 | 10-15-1982 | Non federally enforceable |
| RULE 1150.1 | 3-17-2000 | Federally enforceable |
| RULE 1171 | 8-2-2002 | Federally enforceable |
| RULE 118 | 12-7-1995 | Non federally enforceable |
| RULE 1303(a)(1)-BACT | 5-10-1996 | Federally enforceable |
| RULE 1303(b)(1)-Modeling | 5-10-1996 | Federally enforceable |
| RULE 1303(b)(2)-Offset | 5-10-1996 | Federally enforceable |
| RULE 1304(a)-Modeling and Offset Exemption | 6-14-1996 | Federally enforceable |
| RULE 1401 | 5-2-2003 | Non federally enforceable |
| RULE 1402 | 3-17-2000 | Non federally enforceable |
| RULE 1418 | 9-10-1999 | Non federally enforceable |
| RULE 1703 - PSD Analysis | 10-7-1988 | Federally enforceable |
| RULE 204 | 10-8-1993 | Federally enforceable |
| RULE 217 | 1-5-1990 | Federally enforceable |
| RULE 219 | 7-11-2003 | Non federally enforceable |
| RULE 219 | 9-4-1981 | Federally enforceable |
| RULE 3002 | 11-14-1997 | Federally enforceable |
| RULE 3003 | 11-14-1997 | Federally enforceable |
| RULE 3004 | 12-12-1997 | Federally enforceable |
| RULE 3004(a)(4)-Periodic Monitoring | 12-12-1997 | Federally enforceable |
| RULE 3005 | 11-14-1997 | Federally enforceable |
| RULE 3005 | 3-16-2001 | Non federally enforceable |
| RULE 3007 | 10-8-1993 | Federally enforceable |
| RULE 304 | 5-11-2001 | Non federally enforceable |
| RULE 401 | 11-9-2001 | Non federally enforceable |
| RULE 401 | 3-2-1984 | Federally enforceable |



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| RULE SOURCE | Adopted/Amended Date | FEDERAL Enforceability |
|-----------------------|-----------------------------|-------------------------------|
| RULE 402 | 5-7-1976 | Non federally enforceable |
| RULE 403 | 12-11-1998 | Federally enforceable |
| RULE 404 | 2-7-1986 | Federally enforceable |
| RULE 405 | 2-7-1986 | Federally enforceable |
| RULE 407 | 4-2-1982 | Federally enforceable |
| RULE 408 | 5-7-1976 | Federally enforceable |
| RULE 409 | 8-7-1981 | Federally enforceable |
| RULE 430 | 7-12-1996 | Non federally enforceable |
| RULE 431.1 | 6-12-1998 | Federally enforceable |
| RULE 431.2 | 5-4-1990 | Federally enforceable |
| RULE 431.2 | 9-15-2000 | Non federally enforceable |
| 40CFR 60 Subpart WWW | 10-17-2000 | Federally enforceable |
| 40CFR 63 Subpart AAAA | 1-16-2003 | Federally enforceable |
| RULE 701 | 6-13-1997 | Federally enforceable |



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**APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN
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NONE



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SUNSHINE CANYON LANDFILL

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

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

TABLE OF STANDARDS

VOC LIMITS

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

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



FACILITY PERMIT TO OPERATE
SUNSHINE CANYON LANDFILL

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

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

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



**FACILITY PERMIT TO OPERATE
SUNSHINE CANYON LANDFILL**

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

TABLE OF STANDARDS (cont.)

VOC LIMITS

Grams of VOC Per Liter of Material

| COATING | Limit |
|--------------------|-------|
| Low-Solids Coating | 120 |



FACILITY PERMIT TO OPERATE

SUNSHINE CANYON LANDFILL

APPENDIX B: RULE EMISSION LIMITS **[RULE 1113 12-6-2002]**

- (1) Except as provided in paragraphs (c)(2), (c)(3), (c)(4), and specified coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage any architectural coating for use in the District which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, and no person shall apply or solicit the application of any architectural coating within the District that exceeds 250 grams of VOC per liter of coating as calculated in this paragraph.
- (2) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified, and no person shall apply or solicit the application of any architectural coating within the District that exceeds the VOC limit as specified in this paragraph. No person shall apply or solicit the application within the District of any industrial maintenance coatings for residential use; or of any rust-preventative coating for industrial use, unless such a rust preventative coating complies with the Industrial Maintenance Coating VOC limit specified in the Table of Standards.



FACILITY PERMIT TO OPERATE

SUNSHINE CANYON LANDFILL

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 12-6-2002]

TABLE OF STANDARDS VOC LIMITS

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

| COATING | Limit* | Effective 1/1/98 | Effective 1/1/99 | Effective 7/1/01 | Effective 1/1/03 | Effective 1/1/04 | Effective 1/1/05 | Effective 7/1/06 | Effective 7/1/08 |
|---|--------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Bond Breakers | 350 | | | | | | | | |
| Clear Wood Finishes | | | | | | | | | |
| Varnish | 350 | | | | | | | | |
| Sanding Sealers | 350 | | | | | | | | |
| Lacquer | 680 | 550 | | | | | 275 | | |
| Clear Brushing Lacquer | 680 | | | | | | 275 | | |
| Concrete-Curing Compounds | 350 | | | | | | | | |
| Dry-Fog Coatings | 400 | | | | | | | | |
| Fire-proofing Exterior Coatings | 450 | | 350 | | | | | | |
| Fire-Retardant Coatings | | | | | | | | | |
| Clear | 650 | | | | | | | | |
| Pigmented | 350 | | | | | | | | |
| Flats | 250 | | | 100 | | | | | 50 |
| Floor Coatings | 420 | | | | 100 | | | 50 | |
| Graphic Arts (Sign) Coatings | 500 | | | | | | | | |
| Industrial Maintenance (IM) Coatings | 420 | | | | | 250 | | 100 | |
| High Temperature IM Coatings** | | | | | 420 | | | | |
| Zinc-Rich IM Primers | 420 | | | | 340 | | | 100 | |



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FACILITY PERMIT TO OPERATE

SUNSHINE CANYON LANDFILL

APPENDIX B: RULE EMISSION LIMITS **[RULE 1113 12-6-2002]**

| COATING | Limit* | Effective 1/1/98 | Effective 1/1/99 | Effective 7/1/01 | Effective 1/1/03 | Effective 1/1/04 | Effective 1/1/05 | Effective 7/1/06 | Effective 7/1/08 |
|--|---------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Japans/Faux Finishing Coatings | 700 | | 350 | | | | | | |
| Magnesite Cement Coatings | 600 | | 450 | | | | | | |
| Mastic Coatings | 300 | | | | | | | | |
| Metallic Pigmented Coatings | 500 | | | | | | | | |
| Multi-Color Coatings | 420 | 250 | | | | | | | |
| Non-Flat Coatings | 250 | | | | 150 | | | 50 | |
| Pigmented Lacquer | 680 | 550 | | | | | 275 | | |
| Pre-Treatment Wash Primers | 780 | | | | 420 | | | | |
| Primers, Sealers, and Undercoaters | 350 | | | | 200 | | | 100 | |
| Quick-Dry Enamels | 400 | | | | 250 | | | 50 | |
| Quick-Dry Primers, Sealers, and Undercoaters | 350*** | | | | 200 | | | 100 | |
| Recycled Coatings | | | | | 250 | | | | |
| Roof Coatings | 300 | | | | 250 | | | | |
| Roof Primers, Bituminous | 350 | | | | 350 | | | | |
| Rust Preventative Coatings | 420 | | | | 400 | | | 100 | |
| Shellac | | | | | | | | | |
| Clear | 730 | | | | | | | | |
| Pigmented | 550 | | | | | | | | |



FACILITY PERMIT TO OPERATE
SUNSHINE CANYON LANDFILL

APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 12-6-2002]

| COATING | Limit* | Effective 1/1/98 | Effective 1/1/99 | Effective 7/1/01 | Effective 1/1/03 | Effective 1/1/04 | Effective 1/1/05 | Effective 7/1/06 | Effective 7/1/08 |
|--|--------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Specialty Primers | 350 | | | | | | | 100 | |
| Stains | 350 | | | | 250 | | | | |
| Swimming Pool Coatings | | | | | | | | | |
| Repair | 650 | | | | 340 | | | | |
| Other | 340 | | | | | | | | |
| Traffic Coatings | 250 | 150 | | | | | | | |
| Waterproofing Sealers | 400 | | | | 250 | | | | |
| Waterproofing Concrete/Masonry Sealers | 400 | | | | | | | | |
| Wood Preservatives | | | | | | | | | |
| Below-Ground | 350 | | | | | | | | |
| Other | 350 | | | | | | | | |

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

** The National VOC Standard at 650 g/l is applicable until 1/1/2003

*** The specified limit applies unless the manufacturer submits a report pursuant to Rule 1113(g)(2)

TABLE OF STANDARDS (cont.)
VOC LIMITS

Grams of VOC Per Liter of Material

| COATING | Limit |
|--------------------|-------|
| Low-Solids Coating | 120 |



FACILITY PERMIT TO OPERATE
SUNSHINE CANYON LANDFILL

APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 8-2-2002]

(1) Solvent Requirements

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

| SOLVENT CLEANING ACTIVITY | CURRENT LIMITS* | Effective 1/1/2003 | Effective 7/1/2005 |
|--|------------------------|------------------------|------------------------|
| | VOC g/l (lb/gal) | VOC g/l (lb/gal) | VOC g/l (lb/gal) |
| (A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application | | | |
| (i) General | 50 (0.42) | 25 (0.21) | |
| (ii) Electrical Apparatus Components & Electronic Components | 500 (4.2) | | 100 (0.83) |
| (iii) Medical Devices & Pharmaceuticals | 800 (6.7) | | |
| (B) Repair and Maintenance Cleaning | | | |
| (i) General | 50 (0.42) | 25 (0.21) | |
| (ii) Electrical Apparatus Components & Electronic Components | 900 (7.5) | | 100 (0.83) |
| (iii) Medical Devices & Pharmaceuticals | | | |
| (A) Tools, Equipment, & Machinery | 800 (6.7) | | |
| (B) General Work Surfaces | 600 (5.0) | | |
| (C) Cleaning of Coatings, or Adhesives Application Equipment | 550 (4.6) | | 25 (0.21) |
| (D) Cleaning of Ink Application Equipment | | | |



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FACILITY PERMIT TO OPERATE
SUNSHINE CANYON LANDFILL

APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 8-2-2002]

| SOLVENT CLEANING ACTIVITY | CURRENT LIMITS* | Effective 1/1/2003 | Effective 7/1/2005 |
|--|------------------------|------------------------|------------------------|
| | VOC g/l (lb/gal) | VOC g/l (lb/gal) | VOC g/l (lb/gal) |
| (i) General | 50 (0.42) | 25 (0.21) | |
| (ii) Flexographic Printing | 50 (0.42) | 25 (0.21) | |
| (iii) Gravure Printing | | | |
| (A) Publication | 750 (6.3) | | 100 (0.83) |
| (B) Packaging | 50 (0.42) | 25 (0.21) | |
| (iv) Lithographic or Letter Press Printing | | | |
| (A) Roller Wash – Step 1 | 600 (5.0) | | 100 (0.83) |
| (B) Roller Wash-Step 2, Blanket Wash, & On-Press Components | 800 (6.7) | | 100 (0.83) |
| (C) Removable Press Components | 50 (0.42) | 25 (0.21) | |
| (v) Screen Printing | 750 (6.3) | | 100 (0.83) |
| (vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing) | 800 (6.7) | | 100 (0.83) |
| (vii) Specialty Flexographic Printing | 600 (5.0) | | 100 (0.83) |
| (E) Cleaning of Polyester Resin Application Equipment | 50 (0.42) | 25 (0.21) | |

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



FACILITY PERMIT TO OPERATE
SUNSHINE CANYO LANDFILL

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

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

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

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

TABLE 404(a)

| Volume Discharged Calculated as Dry Gas At Standard Conditions | | Maximum Concentration of Particulate Matter ² Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions | | Volume Discharged Calculated as Dry Gas At Standard Conditions | | Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions | |
|--|--------------------------------|---|--------------------------|--|--------------------------------|---|-----------------------------|
| Cubic meters Per Minute | Cubic feet Per Minute | Milligrams per Cubic Meter | Grains per Cubic Foot | Cubic meters Per Minute | Cubic feet Per Minute | Milligrams per Cubic Meter | Grains per Cubic Foot |
| 25 or less | 883 or less | 450 | 0.196 | 900 | 31780 | 118 | 0.0515 |
| 30 | 1059 | 420 | .183 | 1000 | 35310 | 113 | .0493 |
| 35 | 1236 | 397 | .173 | 1100 | 38850 | 109 | .0476 |
| 40 | 1413 | 377 | .165 | 1200 | 42380 | 106 | .0463 |
| 45 | 1589 | 361 | .158 | 1300 | 45910 | 102 | .0445 |
| 50 | 1766 | 347 | .152 | 1400 | 49440 | 100 | .0437 |
| 60 | 2119 | 324 | .141 | 1500 | 52970 | 97 | .0424 |
| 70 | 2472 | 306 | .134 | 1750 | 61800 | 92 | .0402 |



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

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Facility I.D.#: 49111
Revision #: 0
Date: October 05, 2004

FACILITY PERMIT TO OPERATE

SUNSHINE CANYON LANDFILL

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

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



FACILITY PERMIT TO OPERATE

SUNSHINE CANYON LANDFILL

APPENDIX B: RULE EMISSION LIMITS **[40CFR 60 Subpart WWW 10-17-2000]**

STANDARDS OF PERFORMANCE FOR MUNICIPAL SOLID WASTE LANDFILLS

- (1) The owner/operator of a municipal solid waste (MSW) landfill or landfill gas collection and control system shall comply with all applicable requirements of 40 CFR 60, Subpart WWW and of 40 CFR 60, Subpart A – General Provisions.
- (2) The owner/operator of a MSW landfill or landfill gas collection and control system shall comply with all applicable requirements for installation and operation of a landfill gas collection and/or control system as specified in Sections 60.752 and 60.753.
- (3) The owner/operator of a MSW landfill gas collection system shall operate the collection system so that the methane concentration is less than 500 parts per million above background at the surface of the landfill as determined in accordance with monitoring procedures specified in Sections 60.753 and 60.754.
- (4) The owner/operator of a MSW landfill gas collection and/or control system shall route all collected gas to:
 - (a) a control system designed and operated to reduce nonmethane organic compounds (NMOC) by 98 weight-percent, or when an enclosed combustion device is used for control, to either reduce NMOC by 98 weight percent or reduce the outlet NMOC concentration to less than 20 parts per million by volume, dry basis as hexane at 3 percent oxygen as determined by test methods specified in Section 60.754(d) or
 - (b) a treatment system that processes the collected gas for subsequent sale or use. All emissions from any atmospheric vent from the gas treatment system shall be subject to the requirements of Section 60.752(b)(iii)(2)(B).
- (5) The owner/operator of a MSW landfill gas collection and/or control system shall monitor operations pursuant to applicable requirements of Section 60.756 or Subpart A.
- (6) The owner/operator shall keep all records pursuant to Section 60.758 or Subpart A to demonstrate compliance with all applicable requirements. All records including data, calculations and any supporting documentation shall be prepared in a format which is acceptable to the AQMD.



FACILITY PERMIT TO OPERATE SUNSHINE CANYON LANDFILL

APPENDIX B: RULE EMISSION LIMITS [40CFR 60 Subpart WWW 10-17-2000]

- (7) The owner/operator shall submit all reports, notifications, plans, submittals and other communications required by Section 60.757 of this subpart or Subpart A to the AQMD and, unless notified to the contrary by AQMD or US EPA, to US EPA Region IX (See Sections E and K of this permit for addresses).
- (8) Alternative plans, compliance plans, and the construction and operation of new or modified air pollution control equipment that are required by this subpart shall be approved through the AQMD permit system.