

VENTURA REGIONAL SANITATION DISTRICT

1001 PARTRIDGE DRIVE, SUITE 150 ■ VENTURA, CA 93003-0704



A Public
Waste
Management
Agency

June 22, 2012

Mr. Kerby E. Zozula
Ventura County Air Pollution Control District
669 County Square Drive
Ventura, CA 93003

**RE: PART 70 PERMIT REISSUANCE APPLICATION
VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT PERMIT
No. 01399 – OXNARD LANDFILLS**

Enclosed is the Part 70 Permit Reissuance Application for the Oxnard Landfills and a check for \$2,450 to cover the filing fee (\$450.00) and deposit (\$2000.00).

Please call me at (805) 658-4617 if you have any questions.

JASON SIEGERT – SOURCE CONTROL INSPECTOR

78050

RECEIVED
VENTURA COUNTY
A.P.C.D.
12 JUN 22 PM 3:15

Part 70 Permit Reissuance – Oxnard Landfills

1.

General Facility Information

- a. Application Form**
- b. Process Description**
- c. Site Maps**
- d. Process Diagram**



**General Facility Information
Part 70 Permit Reissuance Application Form**

1. Permit Number: 0 1 3 9 9

Date: 6-22-12

2. Company Name:
Ventura Regional Sanitation District

3. Company Mailing Address:
1001 Partridge Drive, Suite 150

4. Company City, State Zip Code:
Ventura, CA 93003

5. Responsible Official and Title (as defined in 40 CFR 70.2 and VCAPCD Rule 33.1):
Sally Coleman Director of Operations

6. Responsible Official Telephone Number:
(805) 658-4674

Facility Name (Usually Same As Company Name):
Oxnard Landfills

8. Facility Street Address (or Lease Name/Field Name):
4105 West Gonzales Road

9. Facility City, CA Zip Code:
Oxnard, CA 93036

10. Title V Permit Contact Person and Title:
Jason Siegert - Source Control Inspector

11. Title V Permit Contact Person Telephone Number and Mailing Address (If different from above):
(805) 658-4617

12. Type of Organization:

Corporation

Sole Proprietorship

Partnership

Government

Facility Operating Schedule: 24 Hours/Day 7 Days/Week 52 Weeks/Year

14. Facility SIC Code: 4953

CAM (Compliance Assurance Monitoring) Plans

15. Are you required to submit a CAM plan for any emissions unit at this facility? Yes No

If yes, submit a CAM plan for each emissions unit as an attachment to the application. See the District CAM plan instructions for more detail.

If you answer yes to any of questions 16 through 18 below, submit supplemental information as an attachment to the application. See instructions for more detail.

16. Does this application request alternative operating scenarios pursuant to Rule 33.4.B? Yes No

17. Does this application request voluntary emission caps pursuant to Rule 33.4.C? Yes No

18. Does this application include any proposed exemptions from otherwise applicable requirements pursuant to Rule 33.2.A.5? Yes No

Miscellaneous Federal Requirements

19. Has this facility been required to prepare a federal Risk Management Plan pursuant to Section 112(r) of the federal Clean Air Act and 40 CFR Part 68? Yes No

If yes, has the federal Risk Management Plan been submitted to the implementing agency? Yes No

If a federal Risk Management Plan is required but has not been submitted to the implementing agency, provide a detailed explanation as an attachment to the application.

20. Does this facility conduct any activities that are regulated by the federal protection of stratospheric ozone requirements in 40 CFR Part 82? Yes No

21. Is this facility subject to the acid rain requirements in 40 CFR Part 72 through 40 CFR Part 78? Yes No

22. Is this facility subject to the federal Outer Continental Shelf air regulations in 40 CFR Part 55? Yes No

Permit Shields

23. Does the current Part 70 permit for this facility include any permit shields? Yes No

If yes, is the basis for each permit shield still correct? Yes No

If the current Part 70 permit contains any permit shield for which the basis is no longer correct, provide a detailed explanation as an attachment to the application.

Generally Applicable Requirement

24. Rule 74.11.1 requires that new large water heaters and new small boilers with a rated heat input capacity greater than or equal to 75,000 BTU per hour and less than or equal to 2,000,000 BTU per hour be certified by the manufacturer to meet certain nitrogen oxide emission standards. Are you complying with the requirements of Rule 74.11.1 by purchasing and installing only certified units? Yes No

If no, provide a detailed explanation as an attachment to the application.

Facilities Must Submit Process Descriptions, Plot Plans, and Process Flow Diagrams That Provide the Following:

25. General Nature of Business (e.g., Autobody Painting, Gasoline Storage & Dispensing, Oil Production, etc.)
Closed Landfill.
26. Facility Process Description
See attached Process Description.
27. A Street Map or Road Map That Shows the Location of the Facility in Ventura County.
See attached Maps.
28. A Facility Map That Clearly Indicates the Facility Boundaries and the Location of Permitted Equipment.
See attached Maps.
29. A Process Flow Diagram That Traces the Processes Throughout All Permitted Equipment from Start to Finish.

See attached Diagrams.

30. Certification by Responsible Official (as defined in 40 CFR 70.2 and VCAPCD Rule 33.1)

I certify that, based on information and belief formed after reasonable inquiry, the statements and information provided for this Part 70 Permit Application are true, accurate, and complete.

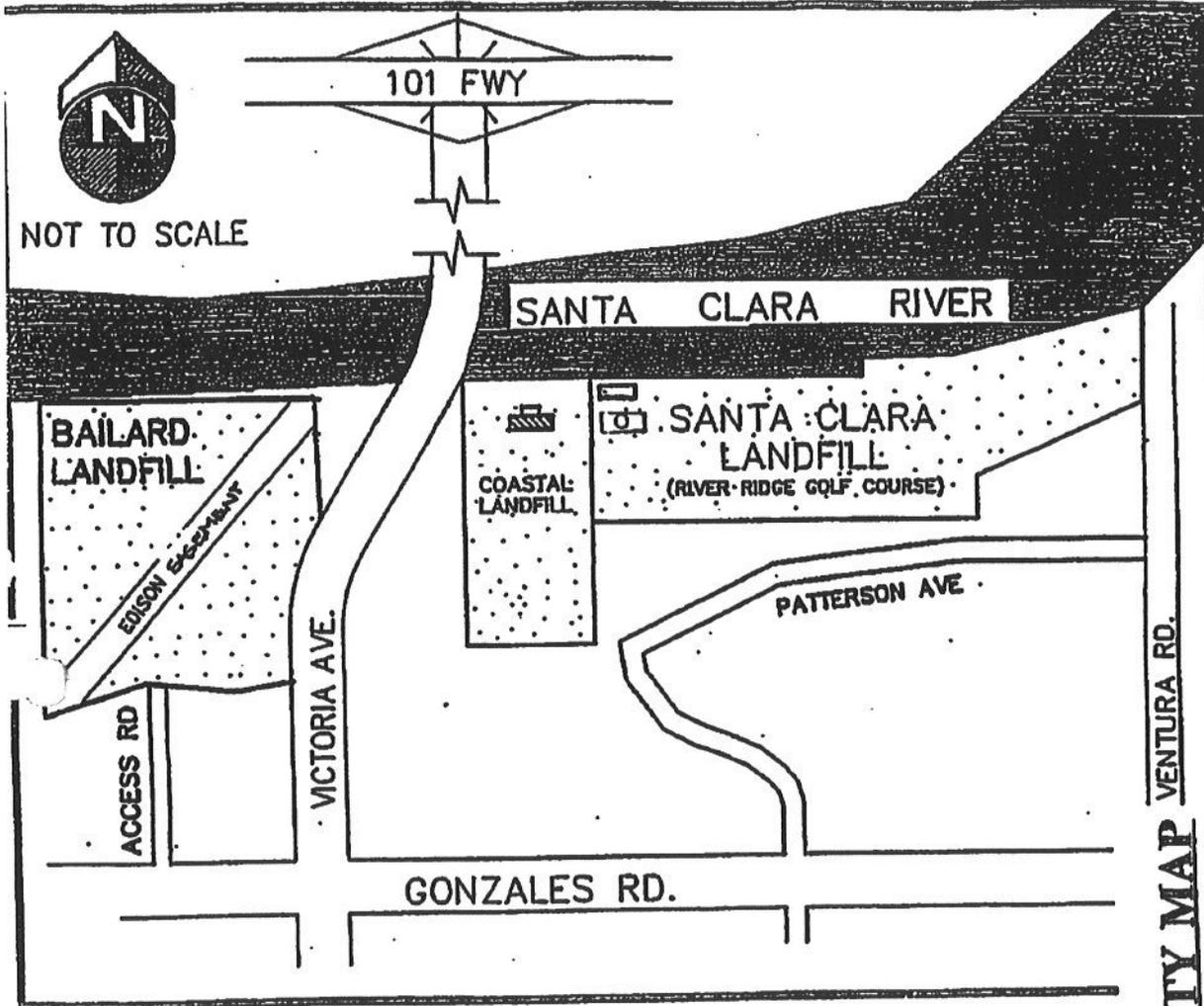
| | |
|---|------------------|
| Signature and Title of Responsible Official:  - DIRECTOR OF OPERATIONS | Date: 6-22-12 |
|---|------------------|

General Facility Information (August 22, 2006)

OXNARD LANDFILLS - PROCESS DESCRIPTION

The Oxnard landfills have Gas/Gas Condensate Collection Systems as configured in the facility maps located in Section 1.c. of this Permit Reissuance application. The process description for the emissions units on the permit is as follows:

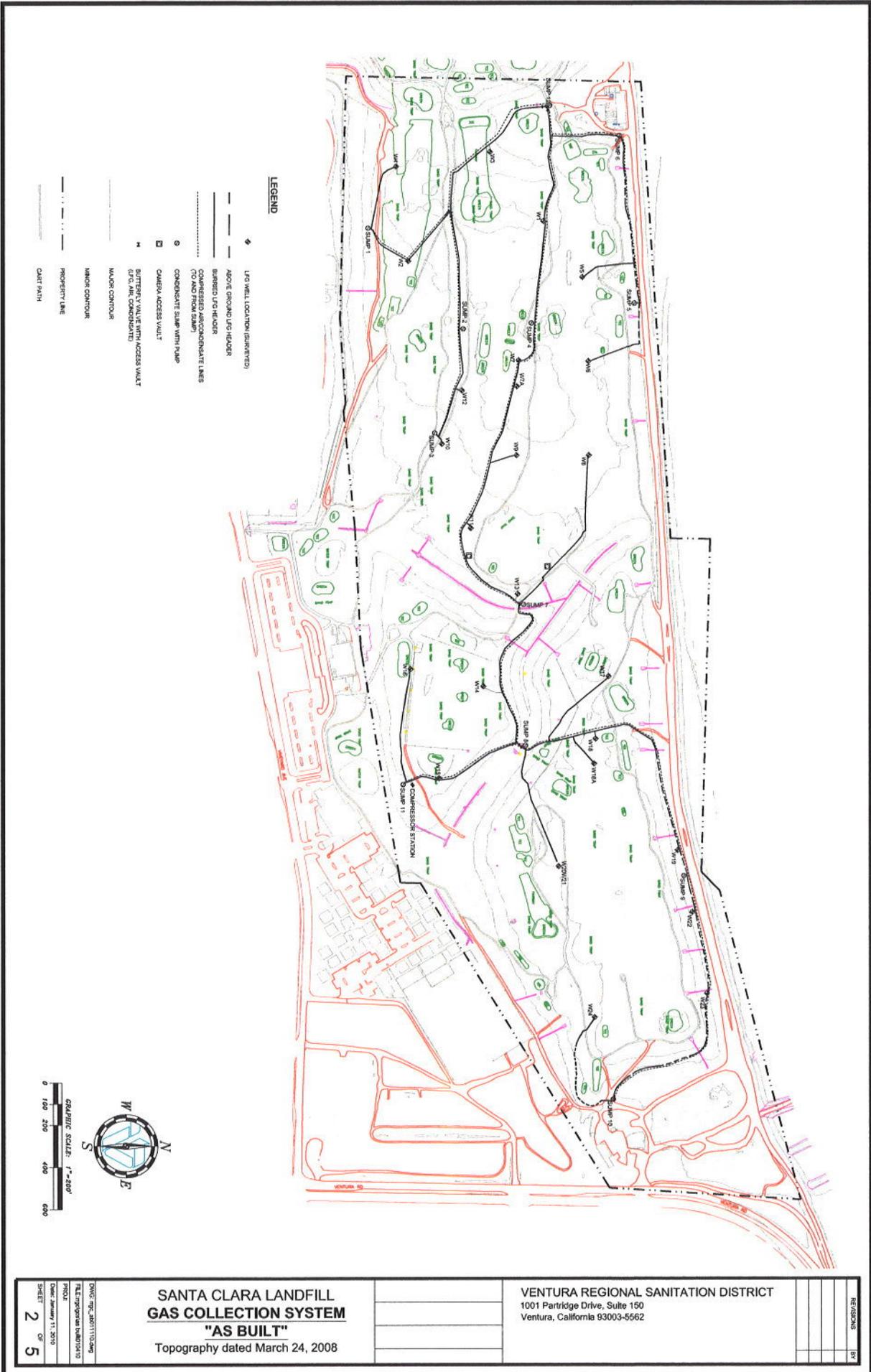
The gas collection headers transport the gas from the individual extraction laterals and wells to a single gas transport header. The gas transport header transports the gas to the Ventura Regional Sanitation District's Gas Flare complex. The Gas Flare complex consists of two electrically driven, four-stage blowers capable of pumping 1500 scfm each; one fully enclosed ground flares with combustion capacity of 1500 scfm; and all controls, piping and equipment necessary for proper operation.



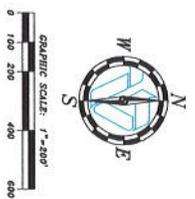
COASTAL FLARE COMPLEX
 OGDEN FACILITY

BAILARD/COASTAL/SANTA CLARA
 VICINTY MAP
 FIGURE 2

EXHIBIT A-2 VICINITY MAP VENTURA RD.



- LEGEND**
- ◆ LFG WELL LOCATION (SURF/IED)
 - AIR/TE GROUND LFG HEADER
 - BURIED LFG HEADER
 - AIR/CONDENSATE LINES (TO AND FROM SLURRY)
 - CONDENSATE SLURRY WITH PUMP
 - CAMERA ACCESS VALVE
 - ⊕ BUTTERFLY VALVE WITH ACCESS WALK (E.P.C. AIR CONDENSATE)
 - MAJOR CONTOUR
 - MINOR CONTOUR
 - - - - - PROPERTY LINE
 - ⋯⋯⋯ CART PATH



**SANTA CLARA LANDFILL
GAS COLLECTION SYSTEM
"AS BUILT"**
Topography dated March 24, 2008

VENTURA REGIONAL SANITATION DISTRICT
1001 Partridge Drive, Suite 150
Ventura, California 93003-5562

DATE: 01/11/2008
PROJECT: REDEVELOPMENT
DATE: January 11, 2008
SHEET: 2 OF 5

| NO. | REVISIONS |
|-----|-----------|
| | |
| | |
| | |

E 1,632,500

E 1,633,000

SANTA CLARA RIVER

E 1,634,000

N 269,000

N 268,500

N 268,000

N 267,500

N 267,000

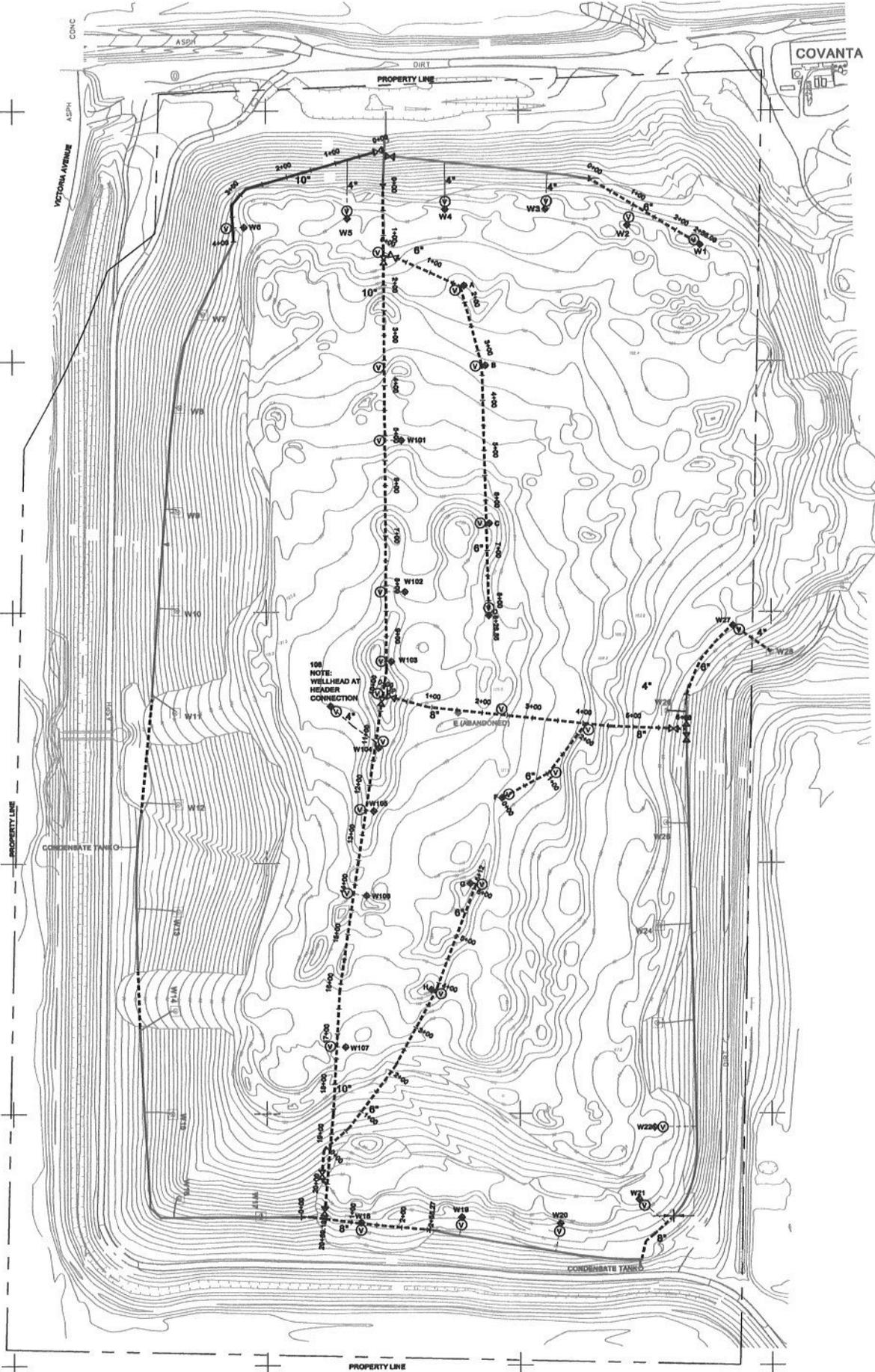
N 266,500

E 1,632,500

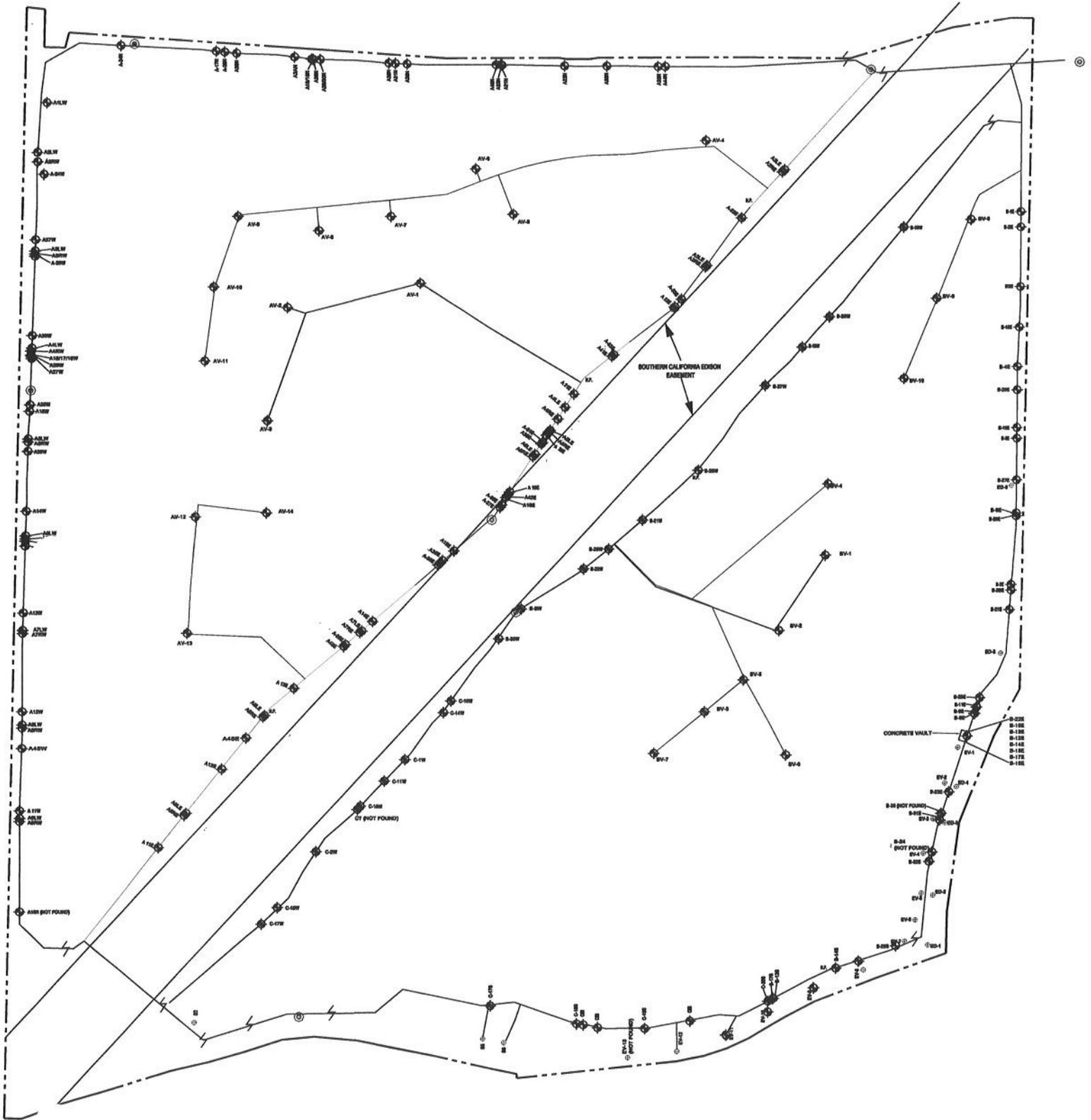
E 1,633,000

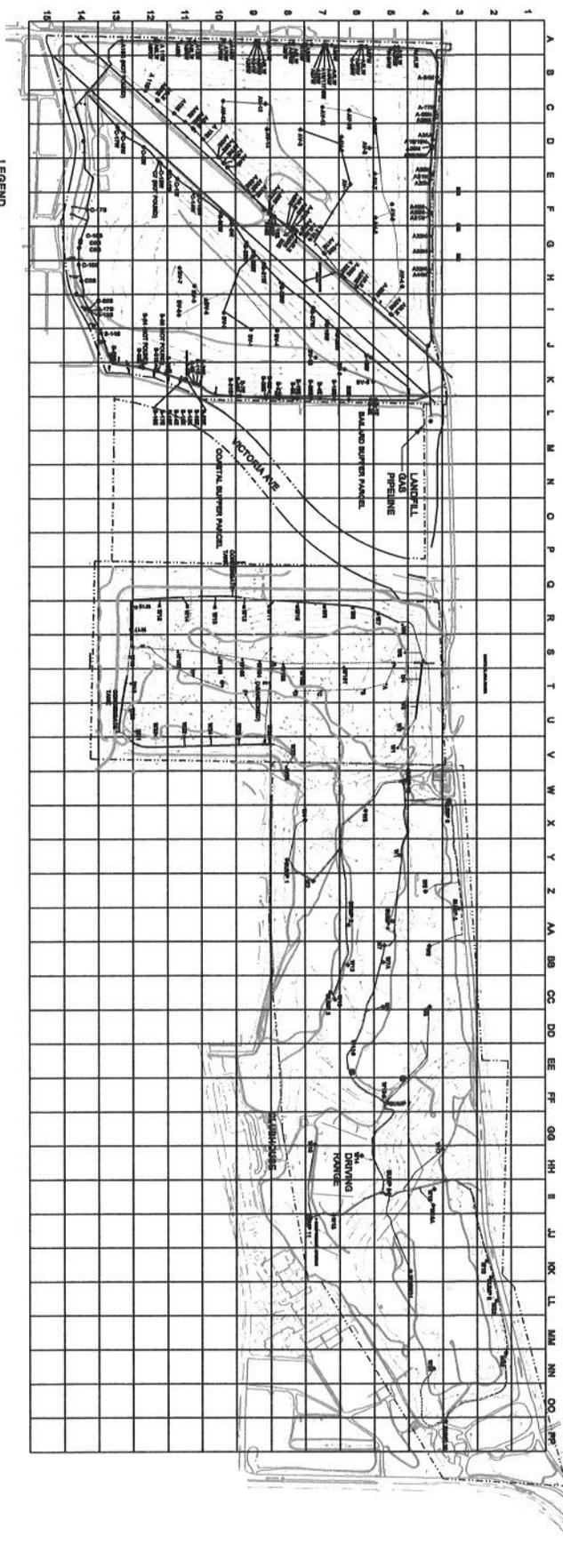
E 1,633,500

E 1,634,000

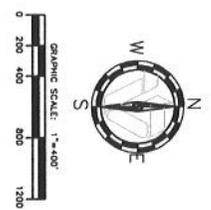


SANTA CLARA RIVER





- LEGEND**
- ◆ LWS WELL LOCATION (BATTERED)
 - ABOVE GROUND LWS RISER
 - BELOW GWS RISER
 - COMPRESSED AIR/COMPRESSANT LINE (TO AND FROM STATION)
 - COMPRESSANT SLIP WITH FLAP
 - GASEOUS ACCESS VALVE
 - BATTERY VALVE WITH ACCESS VALVE (LWS, AIR, COMPRESSANT)
 - MAJOR CONTOUR
 - MINOR CONTOUR
 - - - PROPERTY LINE
 - CHART PATH



| | | |
|--|---|--|
| DATE: 12/15/10 FILE NUMBER: 100 PROJECT: Santa Fe Valley, CA DRAWN: [Name] CHECKED: [Name] APPR: [Name] | <h3 style="margin: 0;">BAILARD/COASTAL/SANTA CLARA GAS COLLECTION SYSTEM</h3> | <p style="margin: 0;">VENTURA REGIONAL SANITATION DISTRICT 1001 Partridge Drive, Suite 150 Ventura, California 93003-5562</p> |
|--|---|--|

Part 70 Permit Reissuance – Oxnard Landfills

2.

Part 70 Permit Tables

All of the enclosed tables have been reviewed and are correct.

I.c. PERIODIC MONITORING SUMMARY

This periodic monitoring summary is intended to aid the permittee in quickly identifying key monitoring, recordkeeping, and reporting requirements. It is not intended to be used as a "stand alone" monitoring guidance document that completely satisfies the requirements specifically applicable to this facility. The following tables are included in the periodic monitoring summary:

- Table 1.c.1 - Specific Applicable Requirements
- Table 1.c.2 - Permit-Specific Conditions
- Table 1.c.3 - General Applicable Requirements
- Table 1.c.4 - General Requirements for Short-Term Activities

1.c.1. Specific Applicable Requirements

The Specific Applicable Requirements Table includes a summary of the monitoring requirements, recordkeeping requirements, reporting requirements, and test methods associated with the attachments contained in Section No. 6 of this permit.

| Attachment No./ Condition No. | Applicable Rule or Requirement | Monitoring | Recordkeeping | Semi-annual Reports | Test Methods | Comments |
|-------------------------------|--------------------------------|--|--|--|---|----------|
| 74.17.1N3 | Rule 74.17.1 | <ul style="list-style-type: none"> • Annual compliance certification • Monitor landfill gas flow rate to off-site engines • Monitor flare gas flow rate and flare temperature • Monitor wells and collection header (temperature, pressure, nitrogen, oxygen) • Monitor methane concentration at the surface of the landfill • Source test flare every 2 years (NMOC, NOx, and CO) | <ul style="list-style-type: none"> • Records of waste in place and annual waste acceptance rate • Records of landfill gas flow rate to off-site engines • Records of flare testing • Records of flare temperature and landfill gas flow to the flare • Records of existing wells, newly installed wells, and planned wells • Records of methane concentration at the landfill surface • Records of asbestos-containing or non-degradable waste • Records of exceedances • Records of SSM plan | <ul style="list-style-type: none"> • Reports of exceedances • Reports of new wells | <ul style="list-style-type: none"> • NMOC-EPA Test Method 25 or 18 • NOx - EPA Method 7 • CO - EPA Method 10 • Calorific value - ASTM Method D1826-77 • O2 - EPA Method 3A • Exhaust Flow - F Factor EPA Method 19 • Surface Methane - EPA Method 21 | |
| 40CFR63AAAA | 40 CFR Part 63, Subpart AAAAA | <ul style="list-style-type: none"> • Annual compliance certification • Comply with 40 CFR Part 60, Subpart Cc • Develop a startup, shutdown, malfunction (SSM) plan | | <ul style="list-style-type: none"> • SSM plan reports | | |

1.c.2. Permit-Specific Conditions

The Permit-Specific Conditions Table includes a summary of the monitoring requirements, recordkeeping requirements, reporting requirements, and test methods associated with the attachments contained in Section No. 7 of this permit.

| Attachment No./ Condition No. | Applicable Rule or Requirement | Monitoring | Recordkeeping | Semi-annual Reports | Test Methods | Comments |
|-------------------------------|--|--|---|---------------------|--|---|
| PO1399PC1 - Condition No. 1 | Rule 26 General Recordkeeping | <ul style="list-style-type: none"> Annual compliance certification Monthly records of throughput and consumption | <ul style="list-style-type: none"> Monthly records of throughput and consumption | None | None | |
| PO1399PC1 - Condition No. 2 | Rule 29 Solvent Recordkeeping | <ul style="list-style-type: none"> Annual compliance certification | <ul style="list-style-type: none"> Maintain a list of exempt solvents | None | None | |
| PO1399PC2 - Condition No. 1 | Rule 26 Annual Flare Combustion Limit | <ul style="list-style-type: none"> Annual compliance certification Landfill gas flow rate and heating value | <ul style="list-style-type: none"> Landfill gas flow rate and heating value | None | None | |
| PO1399PC2 - Condition No. 2 | Rule 29 No Simultaneous Use | <ul style="list-style-type: none"> Annual compliance certification Daily usage records | <ul style="list-style-type: none"> Daily usage records | None | None | |
| PO1399PC2 - Condition No. 3 | Rule 26 Flare BACT Limits | <ul style="list-style-type: none"> Annual compliance certification Flare temperature Testing every 2 years (ROC, NOx) | <ul style="list-style-type: none"> Records of flare temperature Records of source tests | None | <ul style="list-style-type: none"> ROC-EPA Test Method 25 or 18 NOx - EPA Method 7 | |
| PO1399PC2 - Condition No. 4 | Rule 54 | <ul style="list-style-type: none"> Annual compliance certification Source test every 4 years Modeling upon request | <ul style="list-style-type: none"> Records of source tests | None | <ul style="list-style-type: none"> Sulfur Compounds - EPA Test Method 6, 6A, 6C, 8, 15, 16A, 16B, or SCAQMD Method 307-94, as appropriate | |
| PO1399PC2 - Condition No. 5 | Rule 57.1 | <ul style="list-style-type: none"> Annual compliance certification | <ul style="list-style-type: none"> None | None | None | Not required based on District EPA emission factor analysis |
| PO1399PC2 - Condition No. 6 | Rule 26 Flare Equipment Requirements | <ul style="list-style-type: none"> Annual compliance certification | <ul style="list-style-type: none"> None | None | None | |

1.c.2. Permit-Specific Conditions (Continued)

| | | | | | | |
|-------------------------------------|--|--|--|------|-----------------------------|---------------------------|
| PO1399PC2 - Condition No. 7 | Rule 26 Calibration Requirements | <ul style="list-style-type: none"> • Annual compliance certification • Calibration records | <ul style="list-style-type: none"> • Records of calibration and function checks | None | None | |
| PO1399PC2 - Condition No. 8 | Rule 26 Landfill Gas Control Requirements During Maintenance | <ul style="list-style-type: none"> • Annual compliance certification • Written notification requirements • Reporting requirements | <ul style="list-style-type: none"> • Records of maintenance activities | None | None | |
| PO1399PC2 - Condition Nos. 9 and 10 | Rule 51 Toxics Testing and HRA Requirements | <ul style="list-style-type: none"> • Source testing | <ul style="list-style-type: none"> • Records of source tests | None | APCD approved test protocol | District enforceable only |

1.c.2. General Applicable Requirements

The General Applicable Requirements Table includes a summary of the monitoring requirements, recordkeeping requirements, reporting requirements, and test methods associated with the attachments contained in Section No. 8 of this permit.

| Attachment No./Condition No. | Applicable Rule or Requirement | Monitoring | Recordkeeping | Semi-annual Reports | Test Methods | Comments |
|------------------------------|--------------------------------|--|---|---------------------|---|--|
| 50 | Rule 50 | <ul style="list-style-type: none"> • Routine surveillance • Visual inspections • Annual compliance certification, including a formal survey • Opacity readings upon request • Notification required for uncorrectable visible emissions | <ul style="list-style-type: none"> • All occurrences of visible emissions for periods > 3min in any one hour • Annual formal survey of all emissions units | None | <ul style="list-style-type: none"> • Opacity - EPA Method 9 | |
| 54.B.1 | Rule 54.B.1 | <ul style="list-style-type: none"> • Annual compliance certification • Follow monitoring requirements under Rule 64 • Upon request, source test for sulfur compounds at point of discharge | None | None | <ul style="list-style-type: none"> • Sulfur Compounds - EPA Test Method 6, 6A, 6C, 8, 15, 16A, 16B, or SCAQMD Method 307-94, as appropriate | <ul style="list-style-type: none"> • Compliance with Rule 64 ensures compliance with this rule based on District analysis |
| 54.B.2 | Rule 54.B.2 | <ul style="list-style-type: none"> • Annual compliance certification • Determine ground or sea level concentrations of SO₂, upon request | <ul style="list-style-type: none"> • Representative fuel analysis or exhaust analysis and compliance demonstration | None | <ul style="list-style-type: none"> • SO₂ - BAAQMD Manual of Procedures, Vol. VI, Section 1, Ground Level Monitoring for H₂S and SO₂ | |
| 57.1 | Rule 57.1 | <ul style="list-style-type: none"> • Annual compliance certification | None | None | None | <ul style="list-style-type: none"> • Not required based on District analysis |
| 64.B.1 | Rule 64.B.1 | <ul style="list-style-type: none"> • Annual compliance certification • None for PUC-quality gas, propane, or butane • Annual test if gas is other than PUC-quality gas, propane, or butane (submit with annual compliance certification) | <ul style="list-style-type: none"> • Annual fuel gas analysis if gas is other than PUC-quality gas, propane, or butane | None | <ul style="list-style-type: none"> • SCAQMD Method 307-94 | |

1.c.3. General Applicable Requirements (Continued)

| Attachment No./ Condition No. | Applicable Rule or Requirement | Monitoring | Recordkeeping | Semi-annual Reports | Test Methods | Comments |
|-------------------------------|--------------------------------|---|---|---------------------|--|---|
| 64.B.2 | Rule 64.B.2 | <ul style="list-style-type: none"> Annual compliance certification Fuel supplier's certification, or fuel test per each delivery (submit with annual compliance certification) | <ul style="list-style-type: none"> Fuel supplier's certification, or fuel test per each delivery | None | <ul style="list-style-type: none"> ASTM Method D4294-83 or D2622-87 | |
| 74.6 | Rule 74.6 | <ul style="list-style-type: none"> Annual compliance certification Maintain current solvent information Routine surveillance of solvent cleaning activities Upon request, solvent testing | <ul style="list-style-type: none"> Records of current solvent information | None | <ul style="list-style-type: none"> ROC content-EPA Test Method 24 Identity of solvent components-ASTM E168-67, ASTM E169-87, or ASTM E260-85 True vapor pressure or composite partial pressure -ASTM D2879-86 or other methods per Rule 74.6.G.5 Initial boiling point-ASTM 1078-78 or published source Spray gun active/passive solvent losses-SCAQMD Method (10-3-89) | |
| 74.11.1 | Rule 74.11.1 | <ul style="list-style-type: none"> Annual compliance certification Maintain identification records of large water heaters and small boilers | <ul style="list-style-type: none"> Records of current information of large water heaters and small boilers | None | None | <ul style="list-style-type: none"> Rule only applies to future installation of large water heaters and small boilers |
| 74.22 | Rule 74.22 | <ul style="list-style-type: none"> Annual compliance certification Maintain furnace identification records | <ul style="list-style-type: none"> Records of current furnace information | None | None | <ul style="list-style-type: none"> Rule only applies to future installation of natural gas-fired, fan-type furnaces |

1.c.4. General Requirements for Short-Term Activities

The General Requirements for Short-term Activities Table includes a summary of the monitoring requirements, recordkeeping requirements, reporting requirements, and test methods associated with the attachments contained in Section No. 9 of this permit.

| Attachment No./ Condition No. | Applicable Rule or Requirement | Monitoring | Recordkeeping | Semi-annual Reports | Test Methods | Comments |
|-------------------------------|--------------------------------|--|--|--|---|----------|
| 74.1 | Rule 74.1 | <ul style="list-style-type: none"> Annual compliance certification Routine surveillance and visual inspections of abrasive blasting operation Abrasive blasting records | <ul style="list-style-type: none"> Abrasive blasting records | None | <ul style="list-style-type: none"> Visible emission evaluation- Section 92400 of CCR | |
| 74.2 | Rule 74.2 | <ul style="list-style-type: none"> Annual compliance certification Routine surveillance Maintain VOC records of coatings used | <ul style="list-style-type: none"> Maintain VOC records of coatings used | None | <ul style="list-style-type: none"> Rule 74.2.G | |
| 74.4.D | Rule 74.4.D | <ul style="list-style-type: none"> Annual compliance certification Test ROC content of oil sample being proposed for usage | <ul style="list-style-type: none"> Records of oil analyses | None | <ul style="list-style-type: none"> ASTM D402 | |
| 74.28 | Rule 74.28 | <ul style="list-style-type: none"> Annual compliance certification Visual inspection to ensure proper vapor control during roofing kettle operation | None | None | None | |
| 74.29 | Rule 74.29 | <ul style="list-style-type: none"> Annual compliance certification Weekly measurements of in-situ soil bioventing or bioremediation Weekly measurements of soil aeration Date and quantity of soil aerated Routine surveillance Notification required for excavation | <ul style="list-style-type: none"> Weekly measurements of soil decontamination operation vapor concentration Date and quantity of soil aerated | None | <ul style="list-style-type: none"> Vapor concentration- EPA Method 21 Wt. % of contaminant in soil-EPA Method 8015B | |
| 40CFR.61.M | 40 CFR Part 61, Subpart M | <ul style="list-style-type: none"> Annual compliance certification See 40 CFR Part 61.145 for inspection procedures | <ul style="list-style-type: none"> See 40 CFR Part 61.145 for recordkeeping procedures | <ul style="list-style-type: none"> See 40 CFR Part 61.145 for notification procedures | <ul style="list-style-type: none"> See 40 CFR Part 61.145 for test methods | |

\\APCDBULLPEN\divData\ENG\TITLE\TV Permits\Fo1399\Permit (I)\PerMonTbl-rcv151.doc

2. PERMITTED EQUIPMENT AND APPLICABLE REQUIREMENTS TABLE

Purpose

The purpose of this table is to list the emissions unit at this stationary source that is permitted to operate pursuant to Rule 10, "Permits Required" and Rule 23, "Exemptions From Permit". The table also provides a list of requirements that are specifically applicable to the emissions unit. Permit conditions that enforce these requirements are listed in Section No. 6, "Specific Applicable Requirements" and Section No. 7, "Permit Specific Conditions" of this permit.

In addition to the emission unit specific requirements in Section No. 6 and Section No. 7, there are additional general requirements that may apply to the emissions unit listed in this table, or to the stationary source as a whole. Furthermore, some general requirements may apply to emissions unit or short-term activities not required to be specifically listed on the permit. These general requirements are contained in the following sections of the Permit: Section No. 8, "General Applicable Requirements"; Section No. 9, "General Requirements for Short-Term Activities"; Section No. 10, "General Permit Conditions"; and Section No. 11, "Miscellaneous Federal Program Conditions".

Equipment Description

This portion of the table provides a brief description of the permitted equipment at this stationary source. Attached to the table is a "Title V Equipment List Description Key" that contains definitions and explanations for some of the standard terminology used in the equipment description.

Applicable Requirements

The applicable requirements portion of the table is a matrix of applicability for the specific requirements that apply to the listed emissions unit. The columns are labeled with APCD rule numbers or references to federal requirements. An "X" in the row corresponding to the emissions unit indicates the requirement is specifically applicable to that unit. For cases where a rule has multiple compliance options, a number appears instead of an "X". The number is a code key that corresponds to the "Title V Applicable Requirement Code Key" attached to the table. The code key table contains specific citations for the portions of the rule that are applicable. The code key is also used to identify the permit attachment in Section No. 6, "Specific Applicable Requirements", that contains the associated permit conditions. For example, code key "3" under Rule 74.17.1 is associated with Attachment 74.17.1N3 in Section No. 6.

Permit specific conditions are identified with a "PC" followed by a number in the column labeled "ADD REQ" (additional requirements). A "PC#" in the row corresponding to the emissions unit indicates that the permit specific condition is specifically applicable to that unit. The "PC#" also

corresponds to the permit attachment in Section No. 7, "Permit Specific Conditions", that contains the permit specific requirements.

E:\Permitting\Letters\Title WPO 01399\Apl No. 161\01399-161-Section2-Permitted Equipment-1334.doc

TABLE NO. 2

| <p align="center">VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT</p> <p align="center">Part 70 Permit No. 01399</p> <p align="center">Permitted Equipment and Applicable Requirements</p> | | |
|---|--|----------------------------|
| <p>M:\TITLE\TV Permits\PO1399\PERMIT\Apl161\Tables1399-rev161</p> | | |
| <p>Equipment</p> | <p>Permit Specific Conditions</p> | <p>Rule 74.17.1</p> |
| <p>Landfill Gas Collection and Control System consisting of:</p> <ul style="list-style-type: none"> 1 - 40.5 MMBTU/Hr Sur-Lite Model Sacramento Landfill Gas Flare (No. 1) 1 - 40.5 MMBTU/Hr Sur-Lite Model Sacramento Landfill Gas Flare (No. 2) (Flare No. 2 out of service, parts will be used for Flare #1) Landfill Gas Particulate Scrubber(s) Condensate Storage Tanks Electric Powered Gas Blower(s) | <p>PC1, PC2</p> <p>Out Of Service</p> | <p>3</p> |

TITLE V EQUIPMENT LIST DESCRIPTION KEY

The Permitted Equipment and Applicable Requirements Table and this Title V permit contain a number of terms, abbreviations, and acronyms that have been standardized. The following list describes and defines many of the terms in this permit:

TITLE V EQUIPMENT LIST DESCRIPTION KEY

| | |
|------------|---|
| APCD | Air Pollution Control District |
| APCO | Air Pollution Control Officer of the Ventura County APCD |
| ARB | The California Air Resources Board |
| ASTM | American Standards for Testing Materials |
| BACT | Best Available Control Technology |
| BHP | The rating of an internal combustion engine as measured in brake horsepower |
| CARB | California Air Resources Board |
| CFH | Cubic feet per hour |
| CFM | Cubic feet per minute |
| CFR | Code of Federal Regulations |
| CO | Carbon Monoxide |
| EPA | Environmental Protection Agency |
| FO | Fuel oil or diesel fuel |
| Gal | Gallon |
| HAP | Hazardous Air Pollutant |
| Lb ROC/Gal | Pound(s) of ROC per gallon |
| LPG | Liquid petroleum gas |
| MMBTU/Hr | The heat input of an external combustion device as measured in millions of British Thermal Units per hour |
| NESHAPS | National Emission Standards for Hazardous Air Pollutants |
| NG | Natural gas |

TITLE V EQUIPMENT LIST DESCRIPTION KEY

| | |
|--------|---|
| NOx | Oxides of Nitrogen |
| NSPS | New Source Performance Standards |
| PM | Particulate Matter |
| ROC | Reactive Organic Compound |
| SCAQMD | South Coast Air Quality Management District |
| SCFM | Standard cubic feet per minute |
| SIP | State Implementation Plan |
| SOx | Sulfur Oxides |
| TV AF | Title V application form |
| VOC | Volatile Organic Compound |
| VR | Vapor recovery |

PART 70 PERMIT NO. 1399
TITLE V APPLICABLE REQUIREMENT CODE KEY

Rule 74.17.1, "Municipal Solid Waste Landfills"

1. Requirements and emission limits specifically for internal combustion engines used as a landfill gas control device where the engine operator does not operate the landfill. (74.17.1.B.3 and 74.17.1.B.4)
2. Requirements to install and operate a landfill gas collection system, using a flare as a landfill gas control device. Requirements and emission limits for flares used as a control device. (74.17.1.B.2, 74.17.1.B.3, and 74.17.1.B.4)
3. Requirements to install and operate a landfill gas collection system, using either a flare as a landfill gas control device or an option to sell or transfer the landfill gas to an off-site facility for use as fuel in internal combustion engines. Requirements and emission limits for flares used as a control device. (74.17.1.B.2, 74.17.1.B.3, and 74.17.1.B.4)

\\APCDBULLPEN\DivData\ENG\TITLEV\TV Permits\Po1399\Permit I\CodeKey.doc

3. PERMITTED THROUGHPUT AND CONSUMPTION LIMIT TABLE

Purpose

The purpose of this table is to list the emissions units at this stationary source that have limitations on throughput, fuel consumption, raw material usage, hours of operation, or other parameters that limit the potential to emit of the emissions unit. In some cases, the limit on the potential to emit is expressed directly as a set of pollutants and emission limits in tons per year.

These limitations are applied pursuant to Rule 26, "New Source Review" or Rule 29, "Conditions on Permits". Two sets of limits are listed in this table. The "Throughput Permit Limit" is the enforceable limit pursuant to this permit. Permit conditions that enforce these limits are listed in Section No. 7, "Permit Specific Conditions" of this permit.

The "Calculation Throughput" is used only to calculate permitted emissions pursuant to Rule 29, "Conditions on Permits".

Equipment Description

This portion of the table is the same as the equipment description in the "Permitted Equipment and Applicable Requirements Table".

Throughput Permit Limit

The throughput or consumption limit listed in this column of the table is an enforceable limit on the emissions unit's potential to emit. In the column labeled "District (D)/ Federal (F) Enforceable", a "D" or an "F" denotes whether the limit is only enforceable by the District or whether the limit is a federally-enforceable limit. District-enforceable limits are limits applied solely pursuant to Rule 29, "Conditions on Permits". Limits that have been applied pursuant to Rule 26, "New Source Review" are federally enforceable.

The throughput permit limit may apply to a single emissions unit or to a set of emission units. Limits applied to multiple units apply to the group and not to individual emission units, such as an engine. When the limit applies to set of emissions units, the set consists of the emissions unit with which the limit is listed and the emissions units that follow that have an asterisk in the throughput permit limit column. Conditions that enforce the throughput or consumption limits may also be contained in Section No. 7, "Permit Specific Conditions".

Pursuant to Rule 26 and Rule 29, the throughput permit limit is an annual limit that is enforceable based on a period of any twelve (12) consecutive calendar months.

Note that when the calculation throughput (discussed below) corresponds to using the emissions unit full time (8760 hours per year) at maximum rated capacity, the throughput permit limit column

contains the notation "No Limit". When District emission calculation procedures do not involve throughput or consumption data, both the throughput permit limit and the calculation throughput column are left blank.

Calculation Throughput

The throughput or consumption limit listed in this column of the table is the throughput used in the District calculation procedures to calculate permitted emissions for the emissions unit. The calculation throughput may apply to a single emissions unit or to a set of emissions units denoted as discussed above. The calculation throughput is not an enforceable permit limit.

The "Calculation Procedure" column is reserved for future use. Emission calculations for the emissions units in this table are available in the District's existing permit files for this stationary source.

Abbreviations

The following abbreviations have been used in the "Permitted Throughput and Consumption Limit Table" for the "Throughput Permit Limit" column and for the "Calculation Throughput Limit" column:

LGCS: landfill gas collection system

MMBtu/Yr: million British thermal units of heat input per year

TABLE NO. 3

VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT

Part 70 Permit No. 01399

Permitted Throughput/Consumption Limits

| <small>M:\TITLE\VTV Permits\PO1399\PERMIT\RApl161\Tables\1399-rev161</small> Equipment | Throughput Permit Limit | District (D) Federal(F) Enforceable | Calculation Throughput | Calculation Procedure |
|---|------------------------------------|---|------------------------------------|--------------------------|
| 1 - Landfill Gas Collection and Control System consisting of: 1 - 40.5 MMBTU/Hr Sur-Lite Model Sacramento Landfill Gas Flare (No. 1) 1 - 40.5 MMBTU/Hr Sur-Lite Model Sacramento Landfill Gas Flare (No. 2) Flare No. 2 out of service, parts will be used for Flare No. 1 Landfill Gas Particulate Scrubber(s) Condensate Storage Tanks Electric Powered Gas Blower(s) | 350,000 MMBTU/Yr Out of Service | F - | 350,000 MMBTU/Yr Out Of Service | |

4. PERMITTED EMISSIONS TABLE

Purpose

The purpose of this table is to document the permitted emissions for this stationary source. Rule 29, "Conditions on Permits", requires permitted emissions to be included on each Permit to Operate. Rule 29 is not federally enforceable.

The permitted emissions table also characterizes the amount and type of criteria air pollutants emitted by this stationary source.

Rule 29 requires that annual permitted emissions be based on a 12 calendar month rolling period and be expressed in units of tons per year. Hourly permitted emissions are required to be expressed in units of pounds per hour. Permitted emissions for a stationary source are required to be determined by aggregating the permitted emissions for each emissions unit at the stationary source.

Enforceability of Permitted Emissions

The permitted emissions in the units of tons per year and pounds per hour listed in the permitted emissions table are not directly enforceable as permit conditions. Other permit conditions listed in the permit, however, are designed to limit the emissions from this stationary source to the limits in the table.

In general, permitted emissions are calculated based on throughput or consumption data for an emission unit, specific physical characteristics of the emission unit, and emission factors. The emission factors may be standard published emission factors or they may be derived from source test data or specific emission limits that apply to the emissions unit. In some cases, permitted emissions are expressed directly as a set of pollutants and emission limits in tons per year without reference to any calculation method.

Section No. 3, "Permitted Throughput and Consumption Limit Table", contains information on the throughput and consumption limits that are enforceable at this stationary source. In addition, other sections of this permit contain conditions that enforce specific portions of the permitted emissions table.

Equipment Description

This portion of the table is the same as the equipment description in the "Permitted Equipment and Applicable Requirements Table".

Tons Per Year

This column of the table represents the permitted emissions in units of tons per year for ROC (reactive organic compounds), NO_x (nitrogen oxides), PM (particulate matter), SO_x (sulfur oxides), and CO (carbon monoxide). In some cases, emissions of non-criteria pollutants of interest may also be listed. Pursuant to Rule 29, annual permitted emissions shall be the annual emissions used to determine compliance for issuance of any new or revised permit issued after October 22, 1991. For emissions units for which no new or revised permit has been issued since October 22, 1991, annual permitted emissions generally reflect actual historical emissions from the emissions unit.

The permitted emissions limit may apply to a single emissions unit or to a set of emission units. When the limit applies to set of emissions units, the set consists of the emissions unit with which the limit is listed and the emissions units that follow that have an asterisk in the pollutant columns.

Pounds Per Hour

This column of the table represents the permitted emissions in units of pounds per hour for ROC (reactive organic compounds), NO_x (nitrogen oxides), PM (particulate matter), SO_x (sulfur oxides), and CO (carbon monoxide). Pursuant to Rule 29, hourly permitted emissions shall be calculated based on the maximum quantity of each air pollutant that may be emitted from the emissions unit during a one hour period, as limited by any applicable rules or permit conditions.

Hazardous Air Pollutants

This permit does not provide information that characterizes the emissions of hazardous air pollutants (HAPS) from this facility. This information can be obtained from the facility's AB-2588, Air Toxics "Hot Spots", Report referenced at the bottom of the "Permitted Emissions Table". For Outer Continental Source (OCS) sources, not subject to AB-2588, HAP emissions information is referenced in the permit application and is maintained by the stationary source.

TABLE NO. 4

| VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT | | | | | | | | | | |
|---|---------------|--------------|-------------|-------------|--------------|-----------------|-------------|-------------|-------------|-------------|
| Part 70 Permit No. 01399 | | | | | | | | | | |
| Permitted Emissions | | | | | | | | | | |
| Equipment | TONS PER YEAR | | | | | POUNDS PER HOUR | | | | |
| | ROC | NOx | PM | SOx | CO | ROC | NOx | PM | SOx | CO |
| <small>M:\TITLE\VT\Permits\PO1399\PERMIT\Ap1161\Tables1399-rev161</small> | | | | | | | | | | |
| Landfill Gas Collection and Control System consisting of: | | | | | | | | | | |
| 1 - 40.5 MMBTU/Hr Sur-Lite Model Sacramento Landfill Gas Flare (No. 1) | 6.88 | 10.50 | 7.70 | 1.75 | 35.00 | 1.59 | 2.43 | 1.78 | 0.41 | 8.10 |
| 1 - 40.5 MMBTU/Hr Sur-Lite Model Sacramento Landfill Gas Flare (No. 2) | - | - | - | - | - | - | - | - | - | - |
| Flare No. 2 out of service, parts will be use for Flare No.1 | | | | | | | | | | |
| Landfill Gas Particulate Scrubber(s) | | | | | | | | | | |
| Condensate Storage Tanks | | | | | | | | | | |
| Electric Powered Gas Blower(s) | | | | | | | | | | |
| HAP Emissions Reference: AB 2588 Air Toxics Report | | | | | | | | | | |
| Submittal Date: 08-22-95 | | | | | | | | | | |
| Total Permitted Emissions | 6.88 | 10.50 | 7.70 | 1.75 | 35.00 | 1.59 | 2.43 | 1.78 | 0.41 | 8.10 |

5. EXEMPT EQUIPMENT LIST

Rule 33.2.A.3 (Part 70 Permits - Application Contents) requires the applicant to provide a list of all emissions units located at the stationary source that are exempt pursuant to Rule 23 based on size or production rate. Pursuant to Rule 33.2.A.3, emissions from insignificant activities do not need to be included in the permit application.

This section of the permit contains a table entitled "Insignificant Activities (Exempt Equipment)". This table is a list of insignificant activities (exempt equipment) at the facility that are exempt from permit based on a size or production rate exemption in Rule 23, "Exemptions From Permit". Insignificant Activity is defined in Rule 33.1 (Part 70 Permits – Definitions). The permittee shall provide calculations, usage records, emission records, and/or operational data as necessary to substantiate an activity as insignificant.

This table is presented for informational purposes only. Any changes to this list are not considered to be permit modifications, nor is the list considered to be enforceable. As detailed in Rule 33.2.A.3, this list is required to be submitted with an application for permit reissuance. The general requirements listed in Section No. 8 of this permit may apply to these insignificant activities.

Part 70 Permit Reissuance – Oxnard Landfills

3.

**Equipment and Emission Summary
Supplied by APCD**

2010 Toxics & Criteria Pollutant Source Test Report Summary

2011 EPA Greenhouse Gas Monitoring Report Summary

Equipment and Emissions Summary

01399 - REN VRSD Oxnard Landfills

Permit Period: 1/1/2012 to 12/31/2012

SIC Code 4953 - Landfills/Incinerators

DEVICE NO: 14605 1 - 40.5 MMBTU/hr

Enclosed Ground Level Sur-Lite Landfill Gas Flare (Flare No. 1), Model Sacramento, 1500 SCFM capacity, equipped with a temperature recorder/controller, automatic combustion air dampers, landfill gas flow meter, and a landfill gas particulate scrubber

| SOURCE CLASSIFICATION CODE | SCC Units | Prmt Annual Throughput | Max Hourly Throughput | Hours Per Year (if used) |
|----------------------------|-----------|------------------------|-----------------------|--------------------------|
| 10201303 - Flare-MMBTU | MMBTU | 350000.0000 MMBTU | 40.5000 MMBTU | |

| POLLUTANT | Tons/Yr | Lbs/Hr | Uncntl EF | Cntl Factor | Cntl EF | APE? | HPE? | EF Over | CF Over | Control Device |
|--------------------|---------|--------|-----------|-------------|---------|------|------|---------|---------|----------------|
| Reactive Organics | 6.88 | 1.59 | 0.0400 | 1.0000 | 0.0400 | Y | Y | Y | Y | |
| Nitrogen Oxides | 10.50 | 2.43 | 0.0600 | 1.0000 | 0.0600 | Y | Y | Y | Y | |
| Particulate Matter | 7.70 | 1.78 | 0.0400 | 1.0000 | 0.0400 | Y | Y | Y | Y | |
| Sulfur Oxides | 1.75 | 0.41 | 0.0100 | 1.0000 | 0.0100 | Y | Y | Y | Y | |
| Carbon Monoxide | 35.00 | 8.10 | 0.2000 | 1.0000 | 0.2000 | Y | Y | Y | Y | |

Permitted Emissions Summary

Criteria Pollutants

01399-REN VRSD Oxnard Landfills

Permit Period: 1/1/2012 to 12/31/2012

| Equipment | Tons per Year | | | | | Pounds Per Hour | | | | |
|---|---------------|--------------|-------------|-------------|--------------|-----------------|-------------|-------------|-------------|-------------|
| | ROC | NOx | PM | SOx | CO | ROC | NOx | PM | SOx | CO |
| 1 - 40.5 MMBTU/hr Enclosed Ground Level Sur-Lite Land | 6.88 | 10.50 | 7.70 | 1.75 | 35.00 | 1.59 | 2.43 | 1.78 | 0.41 | 8.10 |
| Total | 6.88 | 10.50 | 7.70 | 1.75 | 35.00 | 1.59 | 2.43 | 1.78 | 0.41 | 8.10 |

**2010 TOXICS AND CRITERIA POLLUTANT
SOURCE TEST REPORT
SOLID WASTE FIELD OPERATIONS
COASTAL LANDFILL**

PREPARED FOR:

Ventura Regional Sanitation District
1001 Partridge Drive, Suite 150
Ventura, California 93003-5562

EQUIPMENT LOCATION:

VRSD Oxnard "Coastal" Landfill
4105 West Gonzales Rd.
Oxnard, California 93030

TEST DATE:

June 22 and 23, 2010

SUBMITTAL DATE:

August 12, 2010

PARAMETERS MEASURED:

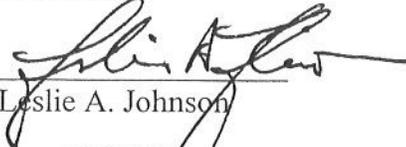
Flare Exhaust: NO_x, CO, VOC, Hexavalent Chromium, HCl, and HF
Flare Inlet: VOC, CH₄, Heating Value and Volume Flow

TESTED BY:

Leslie A. Johnson
SCEC
1582-1 N. Batavia Street
Orange, California 92867

Report No: 2001.1023

Prepared By:


Leslie A. Johnson

Reviewed By:


Michael W. Bell

3.0 TEST SUMMARY

3.1 Source Test Requirements

SCEC submitted a Source Test Plan to VCAPCD for approval on April 13, 2010. The plan proposed testing flare #1 to quantify criteria and toxic pollutant emissions and destruction efficiencies for non-methane hydrocarbons. This approved test plan was followed for this test program.

The Source Test Plan described specific measurement, sampling and analytical methods to be used during the testing. In addition, it specified the number of samples to be collected as well as their sampling locations (flare system inlet and Flare exhaust).

3.2 Source Test Overview

SCEC conducted the compliance source test of the flare system on June 22 and 23, 2010. The work was performed in accordance with the VCAPCD approved test plan. Mr. Lyle Olsen, of VCAPCD, witnessed the test program on June 22, 2010.

Prior to performing the source test, SCEC performed EPA Method 1 at both the flare inlet and exhaust to identify the optimum sampling traverse locations and number of sampling points per traverse. SCEC then obtained measurements of the average exhaust gas velocity, volumetric flow rate, temperature, dry molecular weight and moisture content using EPA Methods 2, 3 and 4, respectively. Please see Appendix H for exhaust sample point locations.

NO_x, CO, O₂, and CO₂ data was collected on a data acquisition system (DAS) for all tests.

Exhaust samples from the flare were collected and analyzed to quantify emissions of NO_x, CO, CH₄, TGNMO, hydrogen chloride (HCl), hydrogen fluoride (HF) and hexavalent chromium (Cr⁶⁺). All exhaust samples were collected while traversing the stack to minimize gaseous stratification bias. Inlet and exhaust samples were tested for CH₄, and TGNMO. Landfill gas samples were collected and analyzed for higher heating value (HHV) and elemental content. All parameters were sampled in triplicate.

3.0 TEST SUMMARY (Continued)

SCEC collected landfill gas samples at the inlet of the flare station and flare exhaust samples and analyzed them for TGNMO (ROC). Comparison of the inlet and exhaust sample results allowed the flare's destruction efficiency to be calculated.

**TABLE 3-1
Test Program Overview
Toxics and Compliance Emissions Test Program**

| Parameter | Sample Location | Proposed Method | Sample Time | Number of Samples/ Location |
|--|-----------------|------------------------|---------------------------------|-----------------------------|
| Heating Value | Inlet | ASTM D1826-77 | Grab | 1 |
| CO ₂ and O ₂ | Outlet | EPA Method 3A | 1 Hour | 3 |
| | Inlet | Modified EPA Method 25 | Integrated Canister | 3 |
| NO _x and CO | Outlet | EPA Method 7E & 10 | 1 Hour | 3 |
| HCl and HF | Outlet | EPA Method 26A | 2 Hours | 3 |
| Volatile Organic Compounds (VOC) | Outlet | EPA TO-15 | 1 Hour (Integrated Canister) | 3 |
| Reactive Organic Compounds (ROC) | Inlet/Outlet | Modified EPA Method 25 | 1 Hour (Integrated Canister) | 3 |
| Temperature/ Flow Rate & H ₂ O | Inlet | EPA Method 1-4 | 30 minute | 3 |
| | Outlet | | 2 Hours | 3 |
| Hexavalent Chromium | Outlet | CARB Method 425 | 2 Hours | 3 |
| Sulfur Compounds | Inlet | Modified SCAQMD 307-91 | Grab | 3 |

3.0 TEST SUMMARY (Continued)

3.3 Flare Performance

During the source test flare 1 was operated with a landfill gas flow rate of 911.7 SCFM. The landfill gas BTU/scf values were about 394. The flare combustion temperature controller was set and maintained at 1600 °F from the lower thermocouple. All criteria pollutants were within compliance with the governing permit.

3.4 Toxic Pollutant Results

The results of the criteria pollutant testing are shown in Tables 5-1 and 5-3 and contained in Appendix A through C of this report. As indicated in Table 5-1 and 5-3, NO_x and CO emissions for the Flare demonstrated compliance with all permit conditions.

4.0 CONCLUSIONS

Based on the results of this test program, the VRSD flare 1 system is in compliance with all requirements of the permit and VCAPCD Rule 74.17.1. The flare exhaust TGNMO is well below both the 20 ppm_v @3% O₂ as hexane and the 98% DRE. Table 5-1 present the summarized test results and application permit limits. Table 5-3 presents detailed test results of each parameter.

No sampling or analytical problems occurred during the test program. All calibration error and system bias checks were below their allowable tolerance, 2% and 5%. The on-site NO₂ converter check documented a 93.9% efficiency. All CARB 425 and EPA 26A isokinetic sampling rates were within the allowable 100% +/- 10%.

5.0 SUMMARY OF RESULTS

**TABLE 5-1
SUMMARY OF RESULTS vs PERMIT CONDITIONS
VRSD Coastal
Flare 1 Exhaust
June 22 & 23, 2010**

| PARAMETER | INLET | EXHAUST | PERMIT LIMIT |
|---|---------|----------|--------------|
| O ₂ , % | 3.78 | 13.77 | |
| CO ₂ , % | 26.77 | 5.98 | |
| N ₂ , % | 27.53 | 80.26 | |
| H ₂ O, % | 2.68 | 8.38 | |
| Flow Rate, wscfm | 911.7 | 11,303 | |
| Flow Rate, dscfm | 887.2 | 10,556 | |
| Temperature, °F (measured at sample ports) | 94 | 1,419 | inlet 1,500 |
| Temperature, °F (measured at monitoring thermocouple) | | 1,601 | |
| Btu/scf | 394 | | >1,500 |
| MMBtu/Hr | 21.55 | | |
| NO_x: | | | |
| ppm | | | |
| ppm @ 3% O ₂ | | 16.1 | |
| lb/hr (as NO ₂) | | 40.3 | |
| lb/day (as NO ₂) | | 1.21 | 2.43 |
| lb/MMBtu (as NO ₂) | | 29.1 | |
| lb/MMCF (as NO ₂) | | 0.056 | 0.06 |
| | | 22.75 | |
| CO: | | | |
| ppm | | | |
| ppm @ 3% O ₂ | | 17.4 | |
| lb/hr | | 43.2 | |
| lb/day | | 0.79 | 8.1 |
| lb/MMBtu | | 19.01 | |
| lb/MMCF | | 0.037 | 0.2 |
| | | 14.88 | |
| Hydrocarbons: | | | |
| CH ₄ , ppm | 401,667 | < | 1.0 |
| TGNMO, ppm (as CH ₄) | 1,327 | | 2.07 |
| TGNMO, ppm @ 3% O ₂ (as methane) | | | 5.20 |
| TGNMO, lb/hr (as CH ₄) | 3.0 | | 0.06 |
| TGNMO, lb/MM Btu (as CH ₄) | - | | 0.003 |
| TGNMO, lb/day (as CH ₄) | 72.4 | | 1.39 |
| TGNMO, ppm (as hexane) | | | 0.35 |
| TGNMO, ppm @ 3% O ₂ (as hexane) | | | 0.88 |
| TGNMO, lb/hr (as hexane) | | | 0.05 |
| Destruction Eff. % | | 98.0 | >98% |
| lb/MMCF | | 0.97 | |
| Hexavalent Chromium: | | | |
| lb/hr | | 1.87E-06 | NA |
| Hydrogen Chloride: | | | |
| lb/hr | | 1.05E-02 | NA |
| Hydrogen Flouride: | | | |
| lb/hr | | 5.99E-03 | NA |
| Total Sulfur Compounds, | | | |
| Total Reduced Sulfur Inlet, ppm | 6.6 | | |
| SO _x Exhaust, lb/hr (as SO ₂) | | 0.06 | 0.40 |
| SO _x Exhaust, lb/day (as SO ₂) | | 1.43 | |
| SO _x Exhaust, lb/MMBtu (as SO ₂) | | 0.003 | 0.02 |
| lb/MMCF | | 1.12 | |

Notes:

The results in this table are the averages of all measurements.

5.0 SUMMARY OF RESULTS (Continued)

TABLE 5-2 VOC Emissions
(Three-Run Averages)
VRSD Coastal

| | RUN 1 | RUN 2 | RUN 3 | AVERAGE |
|--------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| | <u>Emissions</u> (lbs/hr) | <u>Emissions</u> (lbs/hr) | <u>Emissions</u> (lbs/hr) | <u>Emissions</u> (lbs/hr) |
| 1) Freon-12 | < 2.92E-04 | < 2.45E-04 | < 2.60E-04 | < 2.65E-04 |
| 2) Methyl chloride | < 1.91E-04 | < 1.60E-04 | < 1.70E-04 | < 1.74E-04 |
| 3) Freon-114 | < 4.84E-04 | < 4.06E-04 | < 4.32E-04 | < 4.41E-04 |
| 4) Vinyl chloride | < 1.77E-04 | < 1.48E-04 | < 1.58E-04 | < 1.61E-04 |
| 5) Methyl bromide | < 3.59E-04 | < 3.01E-04 | < 3.20E-04 | < 3.27E-04 |
| 6) Acetone | 6.98E-04 | 5.81E-04 | 4.92E-04 | 5.90E-04 |
| 7) Freon-11 | < 3.61E-04 | < 3.03E-04 | < 3.22E-04 | < 3.29E-04 |
| 8) 1,1-dichloroethylene | < 3.63E-04 | < 3.04E-04 | < 3.24E-04 | < 3.30E-04 |
| 9) Dichloromethane | < 3.70E-04 | < 3.10E-04 | < 3.30E-04 | < 3.37E-04 |
| 10) Freon-113 | < 5.31E-04 | < 4.45E-04 | < 4.74E-04 | < 4.83E-04 |
| 11) 1,1-dichloroethane | < 3.70E-04 | < 3.10E-04 | < 3.30E-04 | < 3.37E-04 |
| 12) c-1,2-dichloroethene | < 3.63E-04 | < 3.04E-04 | < 3.24E-04 | < 3.30E-04 |
| 13) Chloroform | < 3.39E-04 | < 2.84E-04 | < 3.02E-04 | < 3.08E-04 |
| 14) 1,2-dichloroethane | < 3.70E-04 | < 3.10E-04 | < 3.30E-04 | < 3.37E-04 |
| 15) 1,1,1-trichloroethane | < 3.78E-04 | < 3.17E-04 | < 3.38E-04 | < 3.44E-04 |
| 16) Benzene | < 2.21E-04 | < 1.85E-04 | < 1.97E-04 | < 2.01E-04 |
| 17) Carbon tetrachloride | < 4.36E-04 | < 3.66E-04 | < 3.89E-04 | < 3.97E-04 |
| 18) 1,2 dichloropropane | < 5.34E-04 | < 4.47E-04 | < 4.76E-04 | < 4.86E-04 |
| 19) Trichloroethene | < 3.71E-04 | < 3.11E-04 | < 3.31E-04 | < 3.38E-04 |
| 20) t-1,3-dichloropropene | < 3.71E-04 | < 3.11E-04 | < 3.31E-04 | < 3.37E-04 |
| 21) c-1,3-dichloropropene | < 3.71E-04 | < 3.11E-04 | < 3.31E-04 | < 3.37E-04 |
| 22) 1,1,2-trichloroethane | < 4.52E-04 | < 3.79E-04 | < 4.03E-04 | < 4.12E-04 |
| 23) Toluene | 3.89E-03 | 2.62E-04 | < 2.79E-04 | < 1.48E-03 |
| 24) 1,2-dibromoethane | < 6.29E-04 | < 5.27E-04 | < 5.61E-04 | < 5.73E-04 |
| 26) Chlorobenzene | < 3.83E-04 | < 3.21E-04 | < 3.41E-04 | < 3.48E-04 |
| 27) Ethylbenzene | < 3.61E-04 | < 3.02E-04 | < 3.22E-04 | < 3.28E-04 |
| 28) m + p-xylenes | < 3.61E-04 | < 3.02E-04 | < 3.22E-04 | < 3.28E-04 |
| 29) Styrene | < 3.54E-04 | < 2.97E-04 | < 3.16E-04 | < 3.22E-04 |
| 30) 1,1,2,2,-tetrachloroethane | < 4.76E-04 | < 3.99E-04 | < 4.25E-04 | < 4.33E-04 |
| 31) o-xylene | < 3.61E-04 | < 3.02E-04 | < 3.22E-04 | < 3.28E-04 |
| 32) 4-ethyl-toluene | < 4.09E-04 | < 3.43E-04 | < 3.65E-04 | < 3.72E-04 |
| 33) 1,3,5-trimethylbenzene | < 4.08E-04 | < 3.42E-04 | < 3.64E-04 | < 3.71E-04 |
| 34) 1,2,4-trimethylbenzene | < 4.08E-04 | < 3.42E-04 | < 3.64E-04 | < 3.71E-04 |
| 35) 1,3-dichlorobenzene | < 4.17E-04 | < 3.49E-04 | < 3.72E-04 | < 3.79E-04 |
| 36) 1,4-dichlorobenzene | < 4.17E-04 | < 3.49E-04 | < 3.72E-04 | < 3.79E-04 |
| 38) 1,2-dichlorobenzene | < 4.17E-04 | < 3.49E-04 | < 0.0003718 | < 3.79E-04 |
| 39) 1,2,4-trichlorobenzene | < 6.86E-04 | < 5.75E-04 | < 0.0006118 | < 6.24E-04 |
| 40) Hexachlorobutadiene | < 9.85E-04 | < 8.26E-04 | < 0.0008792 | < 8.97E-04 |

ND laboratory results are represented as the reported analytical detection limit.

5.0 SUMMARY OF RESULTS (Continued)

TABLE 5-3
GENERAL RESULTS
VRSD Coastal
Flare 1 Exhaust
June 22 & 23, 2010

| Parameter | INLET | | | | EXHAUST | | | |
|--|-----------|------------|-----------|---------|-----------|------------|-----------|----------|
| | First Run | Second Run | Third Run | Average | First Run | Second Run | Third Run | Average |
| O ₂ , % | 4.44 | 3.68 | 3.23 | 3.78 | 14.27 | 13.25 | 13.78 | 13.77 |
| CO ₂ , % | 25.5 | 26.8 | 28.0 | 26.8 | 5.62 | 6.40 | 5.91 | 5.98 |
| N ₂ , % | 30.3 | 27.5 | 24.8 | 27.5 | 80.1 | 80.3 | 80.3 | 80.3 |
| H ₂ O, % | 2.8 | 2.7 | 2.6 | 2.7 | 8.39 | 8.23 | 8.51 | 8.38 |
| Flow Rate, wscfm | 898.1 | 922.2 | 914.7 | 911.7 | 10,838 | 11,533 | 11,538 | 11,303 |
| Flow Rate, dscfm | 873.3 | 897.1 | 891.2 | 887 | 11,156 | 9,929 | 10,584 | 10,556 |
| Temperature, °F | 101 | 98 | 84 | 94 | 1,413 | 1,421 | 1,422 | 1,419 |
| Btu/scf | 394 | 394 | 394 | 394 | | | | |
| MMBtu/Hr | 21.23 | 21.80 | 21.62 | 21.55 | | | | |
| NOx: | | | | | | | | |
| ppm | | | | | 14.81 | 17.72 | 15.67 | 16.07 |
| ppm @ 3% O ₂ | | | | | 40.0 | 41.5 | 39.4 | 40.3 |
| lb/hr (as NO ₂) | | | | | 1.18 | 1.26 | 1.19 | 1.21 |
| lb/MM Btu (as NO ₂) | | | | | 0.056 | 0.058 | 0.055 | 0.056 |
| CO: | | | | | | | | |
| ppm | | | | | 4.90 | 16.59 | 30.78 | 17.42 |
| ppm @ 3% O ₂ | | | | | 13.23 | 38.83 | 77.42 | 43.16 |
| lb/hr | | | | | 0.238 | 0.718 | 1.420 | 0.792 |
| lb/MM Btu | | | | | 0.011 | 0.033 | 0.066 | 0.037 |
| Hydrocarbons: | | | | | | | | |
| CH ₄ , ppm | 378,000 | 401,000 | 426,000 | 401,667 | < 1 | < 1 | < 1 | < 1 |
| Ethane, ppm | < 10 | < 10 | < 10 | < 10 | < 1 | < 1 | < 1 | < 1 |
| TGNMO, ppm (as CH ₄) | 1,180 | 1,360 | 1,440 | 1,327 | 2.77 | 1.86 | 1.58 | 2.07 |
| TGNMO, lb/hr (as CH ₄) | 2.64 | 3.12 | 3.28 | 3.02 | 0.07 | 0.05 | 0.05 | 0.06 |
| TGNMO, ppm (as hexane) | 196.7 | 226.7 | 240.0 | 221.1 | 0.46 | 0.31 | 0.26 | 0.35 |
| TGNMO, ppm @ 3% O ₂ (as hexane) | 213.9 | 235.6 | 243.1 | 230.9 | 1.25 | 0.73 | 0.66 | 0.88 |
| TGNMO, lb/hr (as hexane) | 2.37 | 2.80 | 2.94 | 2.70 | 0.07 | 0.05 | 0.04 | 0.05 |
| Destruction Eff. % | | | | | 97.17 | 98.29 | 98.49 | 97.98 |
| Hexavalent Chromium: | | | | | | | | |
| lb/hr | | | | | 2.14E-06 | 1.78E-06 | 1.70E-06 | 1.87E-06 |
| Hydrogen Chloride: | | | | | | | | |
| lb/hr | | | | | 1.04E-02 | 1.05E-02 | 1.05E-02 | 1.05E-02 |
| Hydrogen Fluoride: | | | | | | | | |
| lb/hr | | | | | 5.95E-03 | 5.27E-03 | 6.77E-03 | 5.99E-03 |
| Sulfur Compounds: | | | | | | | | |
| H ₂ S, ppm | 6.20 | 6.46 | 6.40 | 6.35 | | | | |
| Carbonyl Sulfide, ppm | < 0.2 | < 0.2 | < 0.2 | < 0.2 | | | | |
| Methyl Mercaptan, ppm | < 0.2 | < 0.2 | < 0.2 | < 0.2 | | | | |
| Ethyl Mercaptan, ppm | < 0.2 | < 0.2 | < 0.2 | < 0.2 | | | | |
| Dimethyl Sulfide, ppm | 0.20 | 0.20 | 0.20 | 0.20 | | | | |
| Carbon Disulfide, ppm | < 0.2 | < 0.2 | < 0.2 | < 0.2 | | | | |
| isopropyl mercaptan, ppm | < 0.2 | < 0.2 | < 0.2 | < 0.2 | | | | |
| n-propyl mercaptan, ppm | < 0.2 | < 0.2 | < 0.2 | < 0.2 | | | | |
| Dimethyl Disulfide, ppm | < 0.2 | < 0.2 | < 0.2 | < 0.2 | | | | |
| Total Sulfur Compounds, Total Reduced Sulfur Inlet, ppm | 6.40 | 6.66 | 6.60 | 6.55 | | | | |
| SOx Exhaust, lb/hr (as SO ₂) ⁽¹⁾ | | | | | 0.057 | 0.061 | 0.060 | 0.060 |

The exhaust volume flow values are based on EPA Method 19.

The HCl/HF and Cr6+ lb/hr emissions were calculated based on the measured exhaust volume flows EPA Method 2-4, conducted concurrently with each sample.

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Name: Oxnard Landfills

Facility Identifier: 527389

Facility Reporting Year: 2011

Facility Location:

Address: 4105 W. Gonzales Rd.

City: Oxnard

State: CA

Postal Code: 93036

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-HH): 71010.8

CO2 Equivalent (mtons, Subparts NN-PP): 0

Biogenic CO2 (mtons, Subparts C-HH): 80500

Cogeneration Unit Emissions Indicator: N

GHG Report Start Date: 2011-01-01

GHG Report End Date: 2011-12-31

Description of Changes to Calculation Methodology: Used recorded LFG flow and measured CH4 concentration to calculate monthly CH4 flow. Then, used monthly CH4 flow to calculate monthly metric tons of CH4 recovered. This calculation methodology was used instead of equation HH-4.

Description of Best Available Monitoring Methods Used:

BAMM use start date:

BAMM use end date:

Part 75 Biogenic Emissions Indication:

Primary NAICS Code: 562212

Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: Ventura Regional Sanitation District

Address: 1001 Partridge Dr., Suite 150, Ventura, CA 93003

Percent Ownership Interest: 67

Parent Company Name: City of Oxnard

Address: 305 W. Third St., Oxnard, CA 93030

Percent Ownership Interest: 33

Subpart C: General Stationary Fuel Combustion

Gas Information Details

| Gas Name | Other Gas Name | Gas Quantity | Own Result? |
|-------------------------|-----------------------|---------------------|--------------------|
| Biogenic Carbon dioxide | | 80500 (Metric Tons) | |
| Methane | | 0.58 (Metric Tons) | |
| Nitrous Oxide | | 0.115 (Metric Tons) | |
| Carbon Dioxide | | 0 (Metric Tons) | |

Unit Details:

Unit Name : Sur-Lite Model Sacramento

Unit Type : FLR (Flare)

Unit Description : Landfill Gas Flare

Individual Unit Details:**Maximum Rated Heat Input Capacity:** 40.5 (mmBtu/hr)**Emission Details:****Annual Sorbent based CO2 Emissions** (metric tons): 0.0**Annual Biogenic CO2 Emissions** (metric tons): 80500.0**Annual Fossil fuel based CO2 Emissions** (metric tons):**Tier Fuel Details:****Fuel :** Biogas (Captured methane)**Tier Name :** Tier 2 (Equation C-2a)**Tier Methodology Start Date :** 2011-01-01**Tier Methodology End Date :** 2011-12-31**Frequency of HHV determinations :** Monthly**Tier 2 Monthly HHV Details :**

| January | February | March | April | May | June | July | August | September | October | Novemb |
|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|--------|
| N | N | N | N | N | N | N | N | N | N | N |

Fuel Emission Details :

| Total CO2 emissions | Total CH4 emissions | Total N2O emissions | Total CH4 emissions CO2e | Total N2O emissions CO2e |
|----------------------|---------------------|---------------------|--------------------------|--------------------------|
| 9489.2 (Metric Tons) | 0.58 (Metric Tons) | 0.115 (Metric Tons) | 12.2 (Metric Tons) | 35.7 (Metric Tons) |

Subpart HH: Municipal Solid Waste Landfills**Gas Information Details**

| Gas Name | Other Gas Name | Gas Quantity | Own Result? |
|-------------------------|----------------|-----------------------|-------------|
| Biogenic Carbon dioxide | | 0 (Metric Tons) | |
| Methane | | 3379.19 (Metric Tons) | |
| Nitrous Oxide | | 0 (Metric Tons) | |

Landfill Details:

| | |
|--|-------------------------|
| Open | N |
| Ending Year for Accepting Waste | 1997 |
| Leachate Recirculation Indicator | N |
| LeachRate Recirculation Frequency | |
| Scales Indicator | Y |
| LandFill Gas Collection System Indicator | Y |
| Passive Vent Flare Indicator | N |
| Landfill Capacity | 9130246 (Metric Tons) |
| Landfill SurfaceArea Containing Waste | 1558040 (Square Meters) |
| Covertime Details | Organic cover |
| | Clay cover |
| | Other soil mixture |

Aeration Details:

| | |
|--|----|
| Aeration Blower Capacity | () |
| Landfill Fraction Affected by Aeration | () |

| | |
|----------------------------------|-----|
| Aeration Blower Operations Hours | () |
| Other MCF Factors | |
| Additional Description | |

Current Waste Disposal Quantity Determination Details

| | |
|--------------------------------------|--|
| Current Annual Waste Quantity Method | |
|--------------------------------------|--|

Historical Waste Disposal Quantity Estimation Details

Method used to determine the annual waste quantity for any years prior to 2010

| | |
|---|---|
| Were scales used to determine the annual waste quantity | Y |
|---|---|

| | | | | | |
|-----------------------------|------------------------------|------------|------------|---------------------------------------|---|
| Year Waste Disposed -- 1997 | | | | | |
| | Annual Waste Quantity : | N | | | |
| | Number of Times Substituted: | | | | |
| | Waste Type Details | Option | Waste Type | Methane Fraction Determination Method | An MCF value other than the default of 1 was used |
| | | Bulk Waste | Bulk waste | default | N |
| Year Waste Disposed -- 1996 | | | | | |
| | Annual Waste Quantity : | N | | | |
| | Number of Times Substituted: | | | | |
| | Waste Type Details | Option | Waste Type | Methane Fraction Determination Method | An MCF value other than the default of 1 was used |
| | | Bulk Waste | Bulk waste | default | N |
| Year Waste Disposed -- 1995 | | | | | |
| | Annual Waste Quantity : | N | | | |
| | Number of Times Substituted: | | | | |
| | Waste Type Details | Option | Waste Type | Methane Fraction Determination Method | An MCF value other than the default of 1 was used |

| | | | | | |
|-----------------------------|------------------------------|------------|---------------------------------------|---|---|
| Year Waste Disposed -- 1994 | | Bulk Waste | Bulk waste | default | N |
| | Annual Waste Quantity : | N | | | |
| | Number of Times Substituted: | | | | |
| Waste Type Details | Option | Waste Type | Methane Fraction Determination Method | An MCF value other than the default of 1 was used | |
| | Bulk Waste | Bulk waste | default | N | |
| Year Waste Disposed -- 1993 | Annual Waste Quantity : | N | | | |
| | Number of Times Substituted: | | | | |
| Waste Type Details | Option | Waste Type | Methane Fraction Determination Method | An MCF value other than the default of 1 was used | |
| | Bulk Waste | Bulk waste | default | N | |
| Year Waste Disposed -- 1992 | Annual Waste Quantity : | N | | | |
| | Number of Times Substituted: | | | | |
| Waste Type Details | Option | Waste Type | Methane Fraction Determination Method | An MCF value other than the default of 1 was used | |
| | Bulk Waste | Bulk waste | default | N | |
| Year Waste Disposed -- 1991 | Annual Waste Quantity : | N | | | |
| | Number of Times Substituted: | | | | |
| Waste Type Details | Option | Waste Type | Methane Fraction Determination Method | An MCF value other than the | |

| | | | | | |
|-----------------------------|------------------------------|------------|---------------------------------------|---|-----------------------|
| Year Waste Disposed -- 1990 | | Bulk Waste | Bulk waste | default | default of 1 was used |
| | | | | | N |
| | Annual Waste Quantity : | N | | | |
| | Number of Times Substituted: | | | | |
| Waste Type Details | Option | Waste Type | Methane Fraction Determination Method | An MCF value other than the default of 1 was used | |
| | Bulk Waste | Bulk waste | default | N | |
| Year Waste Disposed -- 1989 | | | | | |
| | Annual Waste Quantity : | N | | | |
| | Number of Times Substituted: | | | | |
| Waste Type Details | Option | Waste Type | Methane Fraction Determination Method | An MCF value other than the default of 1 was used | |
| | Bulk Waste | Bulk waste | default | N | |
| Year Waste Disposed -- 1988 | | | | | |
| | Annual Waste Quantity : | N | | | |
| | Number of Times Substituted: | | | | |
| Waste Type Details | Option | Waste Type | Methane Fraction Determination Method | An MCF value other than the default of 1 was used | |
| | Bulk Waste | Bulk waste | default | N | |
| Year Waste Disposed -- 1987 | | | | | |
| | Annual Waste Quantity : | N | | | |
| | Number of Times Substituted: | | | | |

| | | | | | |
|-----------------------------|------------------------------|------------|------------|---------------------------------------|---|
| | Waste Type Details | Option | Waste Type | Methane Fraction Determination Method | An MCF value other than the default of 1 was used |
| | | Bulk Waste | Bulk waste | default | N |
| Year Waste Disposed -- 1986 | | | | | |
| | Annual Waste Quantity : | N | | | |
| | Number of Times Substituted: | | | | |
| | Waste Type Details | Option | Waste Type | Methane Fraction Determination Method | An MCF value other than the default of 1 was used |
| | | Bulk Waste | Bulk waste | default | N |
| Year Waste Disposed -- 1985 | | | | | |
| | Annual Waste Quantity : | N | | | |
| | Number of Times Substituted: | | | | |
| | Waste Type Details | Option | Waste Type | Methane Fraction Determination Method | An MCF value other than the default of 1 was used |
| | | Bulk Waste | Bulk waste | default | N |
| Year Waste Disposed -- 1984 | | | | | |
| | Annual Waste Quantity : | N | | | |
| | Number of Times Substituted: | | | | |
| | Waste Type Details | Option | Waste Type | Methane Fraction Determination Method | An MCF value other than the default of 1 was used |
| | | Bulk Waste | Bulk waste | default | N |
| Year Waste Disposed -- 1983 | | | | | |
| | Annual Waste Quantity : | N | | | |

| | | | | | |
|-----------------------------|------------------------------|------------|------------|---------------------------------------|---|
| | Number of Times Substituted: | | | | |
| | Waste Type Details | Option | Waste Type | Methane Fraction Determination Method | An MCF value other than the default of 1 was used |
| | | Bulk Waste | Bulk waste | default | N |
| Year Waste Disposed -- 1982 | | | | | |
| | Annual Waste Quantity : | N | | | |
| | Number of Times Substituted: | | | | |
| | Waste Type Details | Option | Waste Type | Methane Fraction Determination Method | An MCF value other than the default of 1 was used |
| | | Bulk Waste | Bulk waste | default | N |

Tipping Receipt Details

| | |
|--|------|
| Were tipping receipts or company records used to determine waste disposal quantities | Y |
| Start Year | 1962 |
| End Year | 1982 |

Method used for estimating all annual waste quantities that are not determined with the methods above

| | |
|-----------------|------|
| Method | None |
| Start Year | |
| Method End Year | |
| Reason | |

Methane Generation and Emissions for Landfills with LFG Collection Systems

Gas Collection System Information

| | |
|---------------------|--|
| System Manufacturer | Ventura Regional Sanitation District & Sepich Associates |
| System Capacity | 3000 (acfm) |
| Number of Wells | 217 |

Methane Generation and Emissions values

| | |
|--|----------------------|
| Methane Generation Equation HH5 | 6453.28(Metric Tons) |
| Methane Generation Equation HH7 | 4420.54(Metric Tons) |
| Basis for Input Methane Generation Value | Equation HH-1 |

| | |
|------------------------------------|----------------------|
| Methane Emissions Equation HH6 | 3379.19(Metric Tons) |
| Methane Emission from Equation HH8 | 1346.46(Metric Tons) |

Gas Collection Systems details

| | | |
|---|-----------------------------------|---|
| Annual Volume FGCollected Gas Volumetric Flow | 395312700 (scf) | |
| | IsSubstitutedIndicator | N |
| | NumberofTimesSubstituted | |
| Annual Average Methane Concentration | 45.7 (Number (between 0 and 100)) | |
| | IsSubstitutedIndicator | N |
| | NumberofDaysSubstituted | |
| | NumberofWeeksSubstituted | |
| isTemperatureIncorporatedIndicator | Y | |
| isPressureIncorporatedIndicator | Y | |
| isLFGFlowWetBasisIndicator | Y | |
| isMethaneConcentrationWetBasisIndicator | Y | |
| OnSiteDestructionIndicator | On-site | |
| BackupDevicePresent | N | |

Waste depth details

| Area Type | WasteDepth(UOM) |
|-----------|-----------------|
| A1 | 0(Meters) |
| A2 | 0(Meters) |
| A3 | 0(Meters) |
| A4 | 33(Meters) |
| A5 | 0(Meters) |

Part 70 Permit Reissuance – Oxnard Landfills

4. Compliance Plan

The Oxnard landfills are in compliance and a Compliance Plan is not required.



Compliance Plan Cover Sheet
Part 70 Permit Reissuance Applications Forms

Instructions

A compliance plan, signed by the responsible official, must be attached to each application for reissuance of a Part 70 Permit. To complete the compliance plan, attach the following to this sheet:

1. A completed compliance plan form for all applicable requirements that are currently effective and that apply to an emission unit at your facility or to your entire facility. Only one form that refers to all currently applicable requirements needs to be completed.
2. A completed compliance plan form for each applicable requirement that will become effective during the term of your permit and that will apply to an emission unit at your facility or to your entire facility. One form for each applicable requirement with a future effective date must be completed.
3. A narrative description of how each emission unit at your facility that does not comply with an applicable requirement will achieve compliance with the requirement.

A compliance schedule, approved as part of an order issued by the District Hearing Board, must be attached for each emission unit that is not in compliance with an applicable requirement. Each compliance schedule shall contain a schedule of remedial measures, including an enforceable sequence of actions with milestones, leading to compliance with the applicable requirement. The compliance schedule shall resemble, and be at least as stringent as that contained in any judicial consent decree or administrative order to which the source is subject.

A schedule for submission of certified progress reports on the compliance schedule no less frequently than every six months must also be attached.

Certification by Responsible Official

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this compliance plan are true, accurate, and complete.

| | |
|--|------------------|
| Signature and Title of Responsible Official: Sally Coleman - Director of Operations | Date: 6-22-12 |
|--|------------------|



Compliance Plan
Applicable Requirements With a Future Effective Date

Applicable Requirement

| | |
|------------------|---------------------|
| Citation: | Description: |
|------------------|---------------------|

Compliance Schedule

The requirement cited and described will be applicable to my entire facility or to emission units at my facility.

Except for the specific emission units listed below, the facility that is the subject of this application will comply in a timely manner with the applicable requirement listed above and in accordance with the compliance schedule, if any, contained in the applicable requirement.

Exceptions to This Declaration

Emission Unit

| |
|--|
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |

Compliance Plan Future Effective (May 22, 2002)

Part 70 Permit Reissuance – Oxnard Landfills

**5.
Compliance Certification**

Enclosed is a copy of the cover letter and the Annual Certification Statement for the 2011 submittal.

VENTURA REGIONAL SANITATION DISTRICT

1001 PARTRIDGE DRIVE, SUITE 150 ▪ VENTURA, CA 93003-0704



February 13, 2012

Mr. Dan Searcy
Ventura County Air Pollution Control District
669 County Square Drive
Ventura, CA 93003

**PART 70 ANNUAL COMPLIANCE CERTIFICATION REPORT
VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT PERMIT
NO. 01399 – OXNARD LANDFILLS**

Enclosed is the Part 70 Annual Compliance Certification Report for the Oxnard Landfills.

Please call Andy Hovey at 805-658-4679 if you have any questions.

SALLY COLEMAN – DIRECTOR OF OPERATIONS



Ventura County
Air Pollution
Control District

**ANNUAL COMPLIANCE CERTIFICATION
SIGNATURE COVER FORM**

A copy of each Annual Compliance Certification shall be submitted to EPA, Region 9, at the following address:

Mr. Gerardo Rios, Chief
Permits Office (AIR-3)
Office of Air Division
EPA Region 9
75 Hawthorne Street
San Francisco, CA 94105

Confidentiality

All information in a Part 70 permit compliance certification is public information. The Part 70 permit is also public information.

Certification by Responsible Official

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this compliance certification are true, accurate, and complete.

| | |
|--|---------------|
| Signature and Title of Responsible Official:  Title: DIRECTOR OF OPERATIONS | Date: 2/13/12 |
|--|---------------|

| |
|---|
| Time Period Covered by Compliance Certification <u>01</u> / <u>01</u> / <u>11</u> (MM/DD/YY) to <u>12</u> / <u>31</u> / <u>11</u> (MM/DD/YY) |
|---|



Ventura County
Air Pollution
Control District

669 County Square Drive
Ventura, California 93003

tel 805/645-1400
fax 805/645-1444
www.vcapcd.org

Michael Villegas
Air Pollution Control Officer

RECEIVED

2012 MAR 28 AM 11:41

VENTURA REGIONAL
SANITATION DISTRICT

March 21, 2012

Sally Coleman
Ventura Regional Sanitation District
1001 Partridge Drive, Suite 150
Ventura, CA 93003

**RE: Title V Annual Compliance Certification Report
Ventura County Air Pollution Control District Permit No. 01399**

Dear Ms. Coleman:

We have completed our review of your Title V Annual Compliance Certification that was submitted to us on February 15, 2012. Your Compliance Certification is now complete. Enclosed you will find an Invoice TV01399 - 12 in the amount of \$386.75 for the staff time spent evaluating your Compliance Certification. This fee is charged pursuant to District Rule 42, Section O, Part 70 Compliance Certification Fee.

Questions regarding your Title V Annual Compliance Certification or the attached invoice should be directed to Tod Neilan at 805/645-1476. If you have any general questions regarding the annual compliance certification process, please contact me at 805/645-1494.

Sincerely,

A handwritten signature in black ink that reads "DAN SEARCY".

Dan Searcy
Manager, Compliance Division

C: Jason Siegert, Ventura Regional Sanitation District

Part 70 Permit Reissuance – Oxnard Landfills

6.

List of Insignificant Activities

Ventura County Air Pollution Control District
INSIGNIFICANT ACTIVITIES (EXEMPT EQUIPMENT)
 Form TVAF50/05-23-96

Oxnard Landfills

| Insignificant Activities (Exempt Emission Units) | Basis For Exemption Size/Production Rate) | Rule 23 Citation |
|---|--|------------------|
| Generator - 8 BHP | Maximum design rating <50 BHP | 23.D.6 |
| Portable Water Pumps- 6 | Maximum design rating <50 BHP | 23.D.6 |
| Compressor - 5.5 BHP - gas | Maximum design rating <50 BHP | 23.D.6 |
| Water Pump - 48.26 BHP | Maximum design rating <50 BHP | 23.D.6 |
| Lincoln Welder 20 BHP - Gas | Maximum design rating <50 BHP | 23.D.6 |
| Air Compressor - Diesel - 49 BHP | Maximum design rating <50 BHP | 23.D.6 |
| Fork Lift - Propane | Maximum design rating <50 BHP | 23.D.6 |
| Miscellaneous coatings and paints | Emissions < 200 pounds ROC | 23. F.11.b |
| Diesel fuel tank w/ air pump (200 gallons) | Storage Capacity <250 gallons | 23.F.2 |
| Assorted portable containers for gasoline | Storage Capacity <100 gallons | 23.F.3 |
| Assorted portable containers for diesel | Storage Capacity <100 gallons | 23.F.3 |
| PVC Pipe cement (5 gallons per year) | Usage <20 gallons permonth | 12.F.14 |
| 8" Diesel Water Pump - 99 BHP | Emergency Water Pump | 23.D.7.c. |