

VENTURA REGIONAL SANITATION DISTRICT

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

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February 12, 2014

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. 07340 – TOLAND ROAD LANDFILL**

Enclosed is the Part 70 Annual Compliance Certification Report for the Toland Road Landfill.

Please call David F. Thomas at 805-658-4672 if you have any questions.

FRANK KIESLER – 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: 2/12/14
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Time Period Covered by Compliance Certification <u>01</u> / <u>01</u> / <u>13</u> (MM/DD/YY) to <u>12</u> / <u>31</u> / <u>13</u> (MM/DD/YY)

I. PERIODIC MONITORING SUMMARY

This periodic monitoring summary is intended to aid the permittees 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.a - Specific Applicable Requirements
- Table 1.b - Permit-Specific Conditions
- Table 1.c - General Applicable Requirements
- Table 1.d - General Requirements for Short-Term Activities

Ia. 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
70N3	Rule 70	<ul style="list-style-type: none"> • Annual compliance certification • Annual static pressure testing • Quadrantial dynamic pressure testing • Log of maintenance on vapor recovery system 	<ul style="list-style-type: none"> • Records of maintenance • Records of vapor recovery system tests 	None	<ul style="list-style-type: none"> • Static Test (ARB TP-201.3b) • Dynamic Test (ARB TP-201.4) 	
74.17.1N5-07340	Rule 74.17.1	<ul style="list-style-type: none"> • Annual compliance certification • Monitor flare and turbine 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 24 months (NMOC, NOx, and CO) 	<ul style="list-style-type: none"> • Records of waste in place and annual waste acceptance rate • Records of flare and turbine 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 	<ul style="list-style-type: none"> • Reports of exceedances • Reports of new wells 	<ul style="list-style-type: none"> • NMOC-EPA Test Method 25, 25C or 18 • NOx - EPA Method 7 (flare) • CO - EPA Method 10 (flare) • Calorific value - ASTM Method D1826-77 • O2 - EPA Method 3A • Exhaust Flow - F Factor EPA Method 19 • Surface Methans - EPA Method 21 	
40CFR63/AAAA	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"> • Records of SSM plan 	<ul style="list-style-type: none"> • SSM plan reports 		

1b. 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
P07340PC1 - Condition No. 1	Rule 26 General Recordkeeping	<ul style="list-style-type: none"> Annual compliance certification Monthly records of throughput and consumption Annual compliance certification 	<ul style="list-style-type: none"> Monthly records of throughput and consumption 	None	None	
P07340PC1 - Condition No. 2	Rule 29 Solvent Use	<ul style="list-style-type: none"> Annual compliance certification Landfill gas flow rate and heating value 	<ul style="list-style-type: none"> Solvent use exemption records Landfill gas flow rate and heating value 	None	None	District enforceable only
P07340PC2 - Condition No. 1	Rule 26 Annual Flare Combustion Limit	<ul style="list-style-type: none"> Annual compliance certification Flare temperature Testing every 2 years (ROC, NOx) Testing every 4 years (SOx) 	<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 Sulfur Compounds - EPA Test Method 6, 6A, 6C, 8, 15, 16A, 16B, or SCAQMD Method 307-94, as appropriate 	
P07340PC3 - Condition No. 3	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 	
P07340PC2 - Condition No. 4	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

1b. Permit-Specific Conditions (Continued)

Attachment No./Condition No.	Applicable Rule or Requirement	Monitoring	Recordkeeping	Semi-annual Reports	Test Methods	Comments
PO7340PC3 - Condition No. 5	Rule 26 Flare Equipment Requirements	•Annual compliance certification	•None	None	None	
PO7340PC3 - Condition No. 6	Rule 26 Flare Condensate Knockout / Filler Requirements	•Annual compliance certification	•None	None	None	
PO7340PC3 - Condition No. 7	Rule 26 Collection Vessel Emission Requirements	•Annual compliance certification	•None	None	None	
PO7340PC3 - Condition No. 8	Rule 51 Flare Dimensions and Exhaust Velocity	•Source testing	•Records of source tests	None	APCD approved test protocol	District enforceable only
PO7340PC3 - Condition Nos. 9 and 10	Rule 51 Toxics Testing and HRA Requirements	•Source testing	•Records of source tests	None	APCD approved test protocol	District enforceable only
PO7340PC4 - Condition No. 1	CARB Executive Order DG-077	•Annual compliance certification	•Records that micro-turbines are certified	None	None	
PO7340PC4 - Condition Nos. 2, 5	Rules 54 and 64	•Annual compliance certification •Daily LFG H2S monitoring •Monthly LFG sulfur content measurements	•Records of LFG H2S and sulfur measurements	None	•SCAQMD Method 307	
PO7340PC4 - Condition Nos. 3, 5	Rule 64	•Annual compliance certification •Annual measurement of LFG sulfur content	•Records of annual LFG sulfur content	None	Rule 64.E.1	
PO7340PC4 - Condition No. 4	40 CFR, Part 60, Subpart WWWW	•Annual compliance certification •Maintain documentation of EPA determination	•Maintain records of EPA determination of LFG treatment system	None	None	
PO7340PC4 - Condition No. 6	Rule 74.17.1 Micro-Turbine Metering Requirement	•Annual compliance certification •Electrical power generated, landfill gas flow rate, and heating value	•Electrical power generated, landfill gas flow rate, and heating value	None	None	

Ic. 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	• 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 	• 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	• Annual compliance certification	None	None	• PM - CARB Method 5	• Compliance based on District EPA emission factor analysis
64.B.1	Rule 64.B.1	<ul style="list-style-type: none"> • Annual compliance certification • Quarterly micro-turbine fuel sulfur analysis 	<ul style="list-style-type: none"> • Quarterly fuel sulfur analyses 	None	<ul style="list-style-type: none"> • SCAQMD Method 307-94 or ASTM D1072-90 or other alternatives per Rule 64.E.1 	
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 D3622-87 	
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 • Measurement of freeboard height and drain hole area for cold cleaners (as applicable) 	<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 E169-97, or ASTM E268-85 • True vapor pressure or composite partial pressure -ASTM D2879-86 • Initial boiling point-ASTM 1078-78 or published source • Spray gun active/passive solvent losses-SCAQMD Method (10-3-89) 	

1c. General Applicable Requirements (continued)

Attachment No./Condition No.	Applicable Rule or Requirement	Monitoring	Recordkeeping	Semi-annual Reports	Test Methods	Comments
74.1.1.1	Rule 74.1.1.1	<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

Id. 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 	
74.2B	Rule 74.2B	<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 	
40CFR61.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 	

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ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 01 / 01 / 13 (MM/DD/YY) to 12 / 31 / 13 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: 70N3</p>	<p>D. Frequency of monitoring: Annually</p>
<p>B. Description: Rule 70</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Maintain records of maintenance and vapor recovery system tests (Static and Dynamic).</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: 74.17.1N5-07340</p>	<p>D. Frequency of monitoring: Continuous, quarterly and bi-annually</p>
<p>B. Description: Rule 74.17.1</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable See Attachment A.</p>
<p>C. Method of monitoring:</p> <ul style="list-style-type: none"> Monitor flare gas flow rate and temperature. Monitor wells (temperature, pressure, nitrogen, oxygen) Monitor methane concentration at surface of landfill Source test flare every 2 years (NMOC, NOx and CO) 	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: 40CFR63AAAA</p>	<p>D. Frequency of monitoring: Recordkeeping as needed.</p>
<p>B. Description: 40CFR Part 63, Subpart AAAA</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Develop and implement a Startup, Shutdown, Malfunction Plan (SSMP).</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: P07340PC1</p>	<p>D. Frequency of monitoring: Monthly</p>
<p>B. Description: Condition No. 1 – Rule 26 General Recordkeeping</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Monthly records of throughput and consumption.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: P07340PC1</p>	<p>D. Frequency of monitoring: Annually</p>
<p>B. Description: Condition No. 2 - Rule 29 Solvent Use</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Maintain solvent use exemption records.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: P07340PC2</p>	<p>D. Frequency of monitoring: Continuous</p>
<p>B. Description: Condition No. 1 – Rule 26 Annual Flare Combustion Limit The annual amount of landfill gas combusted in the destruction devices shall not exceed 450,000 MMBtU per year.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Landfill gas flow is recorded by a totalizer.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: P07340PC2</p>	<p>D. Frequency of monitoring: Continuous, bi-annually and quadrennially</p>
<p>B. Description: Condition No. 2 – Rule 26 Flare BACT Limits</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable See Attachment A.</p>
<p>C. Method of monitoring: The flare is equipped with a continuous temperature recording device and landfill gas flow totalizer. Source testing every 2 years (ROC, NOx) using EPA test method 25 or 18, 7 and every 4 years (SOx) using modified SCAQMD method 307-94.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: P07340PC2</p>	<p>D. Frequency of monitoring: Quadrennially</p>
<p>B. Description: Condition No. 3 – Rule 54 Sulfur Compounds</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable See Attachment A.</p>
<p>C. Method of monitoring: Source test flare every 4 years for sulfur compounds using EPA test method 6, 6A, 6C, 8, 15, 16A, 16B, or SCAQMD method 307-94, as appropriate.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: P07340PC2</p>	<p>D. Frequency of monitoring: Not applicable.</p>
<p>B. Description: Condition No. 4 – Rule 57.1 Particulate Matter Emissions from Fuel Burning Equipment</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Not required based on District EPA emission factor analysis.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: P07340PC2</p>	<p>D. Frequency of monitoring:</p> <p>Monthly</p>
<p>B. Description:</p> <p>Condition No. 5 – Rule 26 Flare Equipment Requirements</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring:</p> <p>Monthly function checks of the flare equipment.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u></p> <p>*If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: P07340PC2</p>	<p>D. Frequency of monitoring:</p> <p>Not applicable.</p>
<p>B. Description:</p> <p>Condition No. 6 – Rule 26 Flare Condensate Knockout / Filter Vessel Requirements</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring:</p> <p>The flare is operated with a condensate knockout / filter vessel.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u></p> <p>*If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: P07340PC2</p>	<p>D. Frequency of monitoring:</p> <p>Monthly</p>
<p>B. Description:</p> <p>Condition No. 7 – Rule 26 Condensate and Leachate Collection Vessel Emission Requirements</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring:</p> <p>Monthly inspections of collection vessel.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u></p> <p>*If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: P07340PC2</p>	<p>D. Frequency of monitoring: Bi-annually</p>
<p>B. Description: Condition No. 8 – Rule 51 Flare Dimensions and Exhaust Velocity</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable See Attachment A.</p>
<p>C. Method of monitoring: Source Testing of the flare stack exit velocity using APCD approved testing protocol.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: P07340PC2</p>	<p>D. Frequency of monitoring: Every 1000 hours, but not less than 10 years and not more than every 4 years.</p>
<p>B. Description: Condition No. 9 & 10 – Rule 51 Toxics Testing and HRA Requirements</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable See Attachment A.</p>
<p>C. Method of monitoring: Source Testing of the flare for Toxics using APCD approved testing protocol.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: P07340PC4</p>	<p>D. Frequency of monitoring: Not applicable.</p>
<p>B. Description: Condition Nos. 1 - CARB Executive Order DG-027</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: The 250kW micro-turbines comply with ARB Executive Order DG-027 and are CARB certified.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: P07340PC4</p>	<p>D. Frequency of monitoring: Daily, Monthly and Annually.</p>
<p>B. Description: Condition Nos. 2, 3 and 5 – Rule 51 Nuisance, Rule 54 Sulfur Compounds & Rule 64 Sulfur Content of Fuels, 250kW Micro-Turbines</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: The treated landfill gas is monitored prior to combustion in the 250kW Micro-turbines. Daily hydrogen sulfide is measured using colorimetric method. Monthly and Annually total sulfur content is measured using SCAQMD Method 307. Maintain these records.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: P07340PC4</p>	<p>D. Frequency of monitoring: Not applicable.</p>
<p>B. Description: Condition No. 4 – Rule 40 CFR Part 60, Subpart WWW, 250kW Micro-Turbines</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Maintain documentation of EPA compliance determination that 250kW Micro-turbines are subject to Section 60.752(b)(2)(iii)(C).</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: P07340PC4</p>	<p>D. Frequency of monitoring: Daily, Monthly, Semi-Annually</p>
<p>B. Description: Condition No. 6 – Rule 74.17.1 Micro-Turbine Metering Requirement</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable See Attachment B.</p>
<p>C. Method of monitoring: Electrical power generated, landfill gas flow rate, and heating value</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: 50</p>	<p>D. Frequency of monitoring: Annual formal survey</p>
<p>B. Description: Rule 50 - Opacity</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable See Attachment B</p>
<p>C. Method of monitoring: Routine surveillance and visual inspections of the control devices emission. Annual formal survey of the control devices emissions.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: 54.B.1</p>	<p>D. Frequency of monitoring: Not applicable.</p>
<p>B. Description: Rule 54.B.1 Sulfur Compounds APCD memos Rule 54, Sulfur Compounds 12/9/97 and SOx Rule Comparison for Combustion of Gaseous Fuel 12/2/97.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Compliance with Rule 54 ensures compliance with this rule based on District analysis.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: 54.B.2</p>	<p>D. Frequency of monitoring: Bi-annually</p>
<p>B. Description: Rule 54.B.2 Sulfur Dioxide According to APCD memo from Terri Thomas, 5/23/96, subject Rule 54.B.2 compliance is an emission rate of 0.46 lb/hr would produce a 1 hour maximum concentration of 0.11 ppmv and a 24 hour maximum concentration of 0.04 ppmv, 100 meters from stack.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable See Attachment A.</p>
<p>C. Method of monitoring: Exhaust analysis and compliance demonstration. Source test exhaust value of Sulfur Dioxide of 0.21 lb/hr.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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Period Covered by Compliance Certification: 01 / 01 / 13 (MM/DD/YY) to 12 / 31 / 13 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: 57.1</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: Rule 57.1 Particulate Matter Emissions from Fuel Burning Equipment</p>	<p>Not applicable.</p>
<p>C. Method of monitoring: Compliance based on District analysis of EPA emission factor dated 12/3/1997.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: 64.B.1</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: Rule 64.B.1</p>	<p>Annually</p>
<p>C. Method of monitoring: Annual fuel gas analysis of hydrogen sulfide.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable See Attachment A.</p>
	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: 64.B.2</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: Rule 64.B.2 Fuel Supplier's Certification</p>	<p>Annually</p>
<p>C. Method of monitoring: Fuel supplier's certification is supplied by the fuel manufacturer.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable See Attachment C</p>
	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: 74.6</p>	<p>D. Frequency of monitoring: Annually</p>
<p>B. Description: Rule 74.6 Surface Cleaning and Degreasing</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Maintain records of current solvent information.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: 74.11.1</p>	<p>D. Frequency of monitoring: Not applicable.</p>
<p>B. Description: Rule 74.11.1 Large Water Heaters and Small Boilers</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: There are no large water heaters or small boilers at this location that fall under this rule.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: 74.22</p>	<p>D. Frequency of monitoring: Not applicable</p>
<p>B. Description: Rule 74.22 Natural Gas-Fired Fan-Type Furnaces</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: There are no natural gas-fired fan-type furnaces at this location that fall under this rule.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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Period Covered by Compliance Certification: 01 / 01 / 13 (MM/DD/YY) to 12 / 31 / 13 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: 74.1</p>	<p>D. Frequency of monitoring: As needed.</p>
<p>B. Description: Rule 74.1 Abrasive Blasting</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: No abrasive blasting was conducted in 2013.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: 74.2</p>	<p>D. Frequency of monitoring: Annually</p>
<p>B. Description: Rule 74.2 Architectural Coatings</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Maintain VOC records of coatings used. Only coatings that are in compliance with rule 74.2 are used.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: 74.4.D</p>	<p>D. Frequency of monitoring: As needed.</p>
<p>B. Description: Rule 74.4.D Cut Back Asphalt</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: No road oils were applied in 2013.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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Period Covered by Compliance Certification: 01 / 01 / 13 (MM/DD/YY) to 12 / 31 / 13 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: 74.28</p>	<p>D. Frequency of monitoring: As needed.</p>
<p>B. Description: Rule 74.28 Asphalt Roofing Operations</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: No asphalt roofing operations were conducted in 2013.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: 74.29</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: Rule 74.29 Soil Decontamination Operations</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: No soil decontamination operations were conducted in 2013.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: 40CFR.61.M</p>	<p>D. Frequency of monitoring: As needed.</p>
<p>B. Description: 40 CFR, Part 61, Subpart M – National Emission Standard for Asbestos</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: No asbestos demolition or renovation activities were conducted in 2013.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

Attachment A



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ANNUAL COMPLIANCE CERTIFICATION SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 01 / 01 / 13 (MM/DD/YY) to 12 / 31 / 13 (MM/DD/YY)

A. Emission Unit Description: 85.8 MMBtu/Hr LFG Specialties, Inc. Model EF945112 Landfill Gas Flare			B. Pollutant: NMOC
C. Measured Emission Rate: 0.59 lb/hr (as CH ₄) 7.67 ppm @ 3% O ₂ (as hexane)	D. Limited Emission Rate: 1.00 lb/hr (as CH ₄) <20 NSPS	E. Specific Source Test or Monitoring Record Citation: Modified EPA Method 25	F. Test Date: 10/9/13 – 10/10/13

A. Emission Unit Description: 85.8 MMBtu/Hr LFG Specialties, Inc. Model EF945112 Landfill Gas Flare			B. Pollutant: NO _x
C. Measured Emission Rate: 1.35 lb/hr (as NO ₂) 0.047 lb/MMBtu (as NO ₂)	D. Limited Emission Rate: 5.15 lb/hr (as NO ₂) 0.06 lb/MMBtu (as NO ₂)	E. Specific Source Test or Monitoring Record Citation: EPA Method 7E	F. Test Date: 10/9/13 – 10/10/13

A. Emission Unit Description: 85.8 MMBtu/Hr LFG Specialties, Inc. Model EF945112 Landfill Gas Flare			B. Pollutant: CO
C. Measured Emission Rate: 0.33 lb/hr 0.012 lb/MMBtu	D. Limited Emission Rate: 17.16 lb/hr 0.2 lb/MMBtu	E. Specific Source Test or Monitoring Record Citation: EPA Method 10	F. Test Date: 10/9/13 – 10/10/13

A. Emission Unit Description: 85.8 MMBtu/Hr LFG Specialties, Inc. Model EF945112 Landfill Gas Flare			B. Pollutant: SO _x
C. Measured Emission Rate: 0.19 lb/hr (as SO ₂) 0.007 lb/MMBtu (as SO ₂)	D. Limited Emission Rate: 1.72 lb/hr (as SO ₂) 0.02 lb/MMBtu (as SO ₄)	E. Specific Source Test or Monitoring Record Citation: Modified SCAQMD 307-91	F. Test Date: 10/9/13 – 10/10/13

A. Emission Unit Description: 85.8 MMBtu/Hr LFG Specialties, Inc. Model EF945112 Landfill Gas Flare			B. Pollutant: Destruction Eff.%
C. Measured Emission Rate: > 99.974%	D. Limited Emission Rate: >98%	E. Specific Source Test or Monitoring Record Citation:	F. Test Date: 10/9/13 – 10/10/13

3.0 TEST SUMMARY (Continued)

TABLE 3-2
SUMMARY OF RESULTS vs PERMIT CONDITIONS
VRSD Toland
Flare
October 9 & 10, 2013

PARAMETER	INLET	EXHAUST	PERMIT LIMIT
O ₂ , %	1.11	12.58	
CO ₂ , %	35.87	7.57	
N ₂ , %	7.93	79.85	
H ₂ O, %	3.11	9.42	
Flow Rate, wscfm	851.3	12,337	
Flow Rate, dscfm	824.9	11,098	
Temperature, °F (measured at sample ports)	82	1,377	inlet 1,500
Temperature, °F (measured at monitoring thermocouple)		1,650	>1,500
Btu/scf	557		
MMBtu/Hr	28.47		
NO _x :			
ppm		16.9	
ppm @ 3% O ₂		36.4	
lb/hr (as NO ₂)		1.35	5.15
lb/day (as NO ₂)		32.3	
lb/MMBtu (as NO ₂)		0.047	0.06
lb/MMCF (as NO ₂)		27.20	
CO:			
ppm		6.7	
ppm @ 3% O ₂		14.5	
lb/hr		0.33	17.16
lb/day		8.00	
lb/MMBtu		0.012	0.2
lb/MMCF		6.74	
Hydrocarbons:			
CH ₄ , ppm	522,000	< 10.0	
CH ₄ , lb/hr	1,073	< 0.28	
Destruction Eff. % CH ₄	-	> 99.974	99
TGNMO, ppm (as CH ₄)	2,147	21.40	
TGNMO, ppm @ 3% O ₂ (as methane)		46.01	
TGNMO, lb/hr (as CH ₄)	4.4	0.59	1.00
TGNMO, lb/MMBtu (as CH ₄)	-	0.021	
TGNMO, lb/day (as CH ₄)	105.9	14.20	
TGNMO, ppm (as hexane)		3.57	
TGNMO, ppm @ 3% O ₂ (as hexane)		7.67	<20 NSPS ⁽¹⁾
TGNMO, lb/hr (as hexane)		0.53	
Destruction Eff. %		87.38	>98% ⁽¹⁾
lb/MMCF		10.71	
Total Sulfur Compounds,			
Total Reduced Sulfur Inlet, ppm	23.3		
SO ₂ Outlet, ppm		1.73	
SO _x Exhaust, lb/hr (as SO ₂)		0.19	1.72
SO _x Exhaust, lb/day (as SO ₂)		4.60	
SO _x Exhaust, lb/MMBtu (as SO ₂)		0.007	0.02
lb/MMCF		3.87	

Notes:

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

⁽¹⁾ NSPS require that a flare meet the concentration standard or DRE

3.0 TEST SUMMARY (Continued)

TABLE 3-4
GENERAL RESULTS
VRSD Toland
Flare
October 9 & 10, 2013

Parameter	INLET				EXHAUST			
	First Run	Second Run	Third Run	Average	First Run	Second Run	Third Run	Average
O ₂ , %	1.26	1.26	0.80	1.11	12.56	12.48	12.69	12.58
CO ₂ , %	35.5	35.5	36.7	35.9	7.61	7.67	7.44	7.57
N ₂ , %	8.4	8.4	7.0	7.9	79.8	79.9	79.9	79.9
H ₂ O, %	2.9	3.0	3.5	3.1	9.69	9.49	9.07	9.42
Flow Rate, wscfm	839.9	854.8	859.3	851.3	12,132	12,673	12,205	12,337
Flow Rate, dscfm	815.9	829.5	829.3	825	10,869	10,956	11,469	11,098
Temperature, °F	88	89	68	82	1,384	1,375	1,374	1,377
Btu/scf	555	555	562	557				
MMBtu/Hr	27.97	28.47	28.98	28.47				
NO _x :								
ppm					16.64	16.98	17.16	16.93
ppm @ 3% O ₂					35.7	36.1	37.4	36.4
lb/hr (as NO _x)					1.30	1.33	1.41	1.35
lb/MM Btu (as NO _x)					0.046	0.047	0.049	0.047
CO:								
ppm					0.00	0.00	< 20.00	6.67
ppm @ 3% O ₂					0.00	0.00	< 43.62	14.54
lb/hr					0.000	0.000	< 1.000	< 0.333
lb/MM Btu					0.000	0.000	< 0.035	< 0.012
Hydrocarbons:								
CH ₄ , ppm	503,000	524,000	539,000	522,000	< 10	< 10	< 10	< 10
CH ₄ , lb/hr	1022.32	1082.84	1113.49	1,073	0.27	0.27	0.29	0.28
Destruction Eff. % CH ₄					99.974	99.975	99.974	99.974
TGNMO, ppm (as CH ₄)	2,216	2,537	1,688	2,147	21.20	21.60	21.40	21.40
TGNMO, lb/hr (as CH ₄)	4.50	5.24	3.49	4.41	0.57	0.59	0.61	0.59
TGNMO, ppm (as hexane)	369.3	422.8	281.3	357.8	3.53	3.60	3.57	3.57
TGNMO, ppm @ 3% O ₂ (as hexane)	336.6	385.4	250.5	324.2	7.58	7.65	7.78	7.67
TGNMO, lb/hr (as hexane)	4.03	4.70	3.12	3.95	0.51	0.53	0.55	0.53
Destruction Eff. %					87.26	88.75	86.14	87.38
Sulfur Compounds:								
H ₂ S, ppm	12.1	7.48	15.50	11.69				
Carbonyl Sulfide, ppm	0.234	0.217	0.215	0.226				
Methyl Mercaptan, ppm	1.68	1.65	1.49	1.61				
Ethyl Mercaptan, ppm	0.061	0.077	0.061	0.069				
Dimethyl Sulfide, ppm	7.21	7.23	5.47	6.64				
Carbon Disulfide, ppm	0.137	0.093	0.067	0.115				
isopropyl mercaptan, ppm	0.880	0.823	0.890	0.852				
n-propyl mercaptan, ppm	< 0.050	< 0.050	< 0.050	< 0.050				
Dimethyl Disulfide, ppm	0.407	0.385	0.315	0.396				
Total Sulfur Compounds,								
Total Reduced Sulfur Inlet, ppm	24.9	19.7	25.4	23.3				
SO _x Exhaust, lb/hr (as SO ₂) ^{1d}					0.201	0.163	0.210	0.192

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

3.0 TEST SUMMARY (Continued)

TABLE 3-2
 SUMMARY OF RESULTS vs PERMIT CONDITIONS
 VRSD Toland
 Flare
 November 14, 2013

PARAMETER	INLET	EXHAUST	PERMIT LIMIT
O ₂ , %	2.03	13.93	
CO ₂ , %	32.50	7.13	
N ₂ , %	18.94	77.83	
H ₂ O, %	4.05		
Flow Rate, ws cfm	755.2		
Flow Rate, ds cfm	724.7	10,207	inlet 1,500
Temperature, °F (measured at sample ports)	107		
Temperature, °F (measured at monitoring thermocouple)		1,648	>1,500
Btu/scf	472		
MMBtu/Hr	21.39		
Hydrocarbons:			
CH ₄ , ppm	464,800		

Notes:

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

3.0 TEST SUMMARY (Continued)

TABLE 3-3
GENERAL RESULTS
VRSD Toland
Flare
November 14, 2013

Parameter	INLET				EXHAUST			
	First Run	Second Run	Third Run	Average	First Run	Second Run	Third Run	Average
O ₂ , %	2.03	2.03	2.03	2.03	14.2	14.0	13.6	13.9
CO ₂ , %	32.5	32.5	32.5	32.5	6.8	7.1	7.5	7.1
N ₂ , %	18.9	18.9	18.9	18.9	77.9	77.8	77.8	77.8
H ₂ O, %	4.26	3.96	3.93	4.05				
Flow Rate, wscfm	734.2	773.2	758.3	755.2				
Flow Rate, dscfm	702.9	742.6	728.5	725	10,308	10,542	9,772	10,207
Temperature, °F	116	104	100	107				
Btu/scf	472	472	472	472				
MMBtu/Hr	20.79	21.90	21.48	21.39				
Hydrocarbons:								
CH ₄ , ppm	464,800	464,800	464,800	464,800				

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

3.0 TEST SUMMARY (Continued)

3.3 Flare Performance

During the source test flare was operated with a landfill gas flow rate of 755 SCFM. The landfill gas BTU/scf value was 472 for the flare. The flare combustion temperature controllers were set and maintained at 1650 °F as controlled by the #2 thermocouple. Compliance testing occurred on October 9 -10, 2013 and November 14, 2013,

3.4 Toxics Pollutant Results

The results of the flare inlet testing and outlet source parameters are shown in Table 3-3. The results of toxic pollutant testing are presented below in Table 3-4 and contained in Appendix A of this report.

TABLE 3-4
VRSD Toland
TRACE ORGANIC SPECIES RESULTS

Sample Location: Test No.: Time: Flow Rate, dscfm:	Sample A Flare 0850-0950 10,308		Sample B Flare 0955-1055 10,542		Sample C Flare 1100-1200 9,772		Average Emission Rate of Detectable Components lb/hr
	ppb	lb/hr	ppb	lb/hr	ppb	lb/hr	
Dichlorodifluoromethane (Freon-12)	ND<	1.8 < 3.55E-04	ND<	1.8 < 3.60E-04	ND<	1.9 < 2.54E-04	
Chloromethane (Methyl chloride)	ND<	1.8 < 1.48E-04	ND<	1.8 < 1.51E-04	ND<	1.9 < 2.54E-04	
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	ND<	1.8 < 5.01E-04	ND<	1.8 < 5.13E-04	ND<	1.9 < 2.54E-04	
Vinyl chloride	ND<	1.8 < 1.83E-04	ND<	1.8 < 1.87E-04	ND<	1.9 < 2.54E-04	
Bromomethane (Methyl Bromide)	ND<	1.8 < 2.79E-04	ND<	1.8 < 2.85E-04	ND<	1.9 < 2.54E-04	
Acetone	12.9	1.22E-03	8.09	7.83E-04	8.27	1.11E-03	0.0010
Trichlorofluoromethane (Freon-11)	ND<	1.8 < 4.03E-04	ND<	1.8 < 4.12E-04	ND<	1.9 < 2.54E-04	
Methylene Chloride (Dichloromethane)	ND<	3.6 < 4.98E-04	ND<	3.7 < 5.24E-04	ND<	1.9 < 2.54E-04	
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon-113)	ND<	1.8 < 5.50E-04	ND<	1.8 < 5.62E-04	ND<	1.9 < 2.54E-04	
1,1-dichloroethane	ND<	1.8 < 2.90E-04	ND<	1.8 < 2.97E-04	ND<	1.9 < 2.54E-04	
o-1,2-dichloroethane	ND<	1.8 < 2.84E-04	ND<	1.8 < 2.91E-04	ND<	1.9 < 2.54E-04	
Chloroform	ND<	1.8 < 3.50E-04	ND<	1.8 < 3.58E-04	ND<	1.9 < 2.54E-04	
1,2-dichloroethane	ND<	1.8 < 2.90E-04	ND<	1.8 < 2.97E-04	ND<	1.9 < 2.54E-04	
1,1,1-trichloroethane	ND<	1.8 < 3.88E-04	ND<	1.8 < 3.97E-04	ND<	1.9 < 2.54E-04	
Benzene	ND<	1.8 < 2.29E-04	ND<	1.8 < 2.34E-04	ND<	1.9 < 2.54E-04	
Carbon Tetrachloride	ND<	1.8 < 4.51E-04	ND<	1.8 < 4.62E-04	ND<	1.9 < 2.54E-04	
Trichloroethene	ND<	1.8 < 3.85E-04	ND<	1.8 < 3.94E-04	ND<	1.9 < 2.54E-04	
o-1,3-dichloropropene	ND<	1.8 < 3.23E-04	ND<	1.8 < 3.30E-04	ND<	1.9 < 2.54E-04	
t-1,3-dichloropropene	ND<	1.8 < 3.23E-04	ND<	1.8 < 3.30E-04	ND<	1.9 < 2.54E-04	
1,1,2-trichloroethane	ND<	1.8 < 3.91E-04	ND<	1.8 < 4.00E-04	ND<	1.9 < 2.54E-04	
Toluene	11.3	1.70E-03	1.93	2.96E-04	ND<	1.9 < 2.54E-04	< 0.0010
1,2-dibromoethane	ND<	1.8 < 5.51E-04	ND<	1.8 < 5.64E-04	ND<	1.9 < 2.54E-04	
Chlorobenzene	ND<	1.8 < 3.30E-04	ND<	1.8 < 3.38E-04	ND<	1.9 < 2.54E-04	
Ethylbenzene	ND<	1.8 < 3.11E-04	ND<	1.8 < 3.18E-04	ND<	1.9 < 2.54E-04	
m & p-xylenes	ND<	3.6 < 6.23E-04	ND<	3.7 < 6.55E-04	ND<	3.7 < 4.94E-04	
Styrene	ND<	1.8 < 3.05E-04	ND<	1.8 < 3.12E-04	ND<	1.9 < 2.54E-04	
1,1,2,2-tetrachloroethane	ND<	1.8 < 4.92E-04	ND<	1.8 < 5.04E-04	ND<	1.9 < 2.54E-04	
o-xylene	ND<	1.8 < 3.11E-04	ND<	1.8 < 3.18E-04	ND<	1.9 < 2.54E-04	
4-ethyl-toluene	ND<	1.8 < 3.53E-04	ND<	1.8 < 3.61E-04	ND<	1.9 < 2.54E-04	
1,3,5-trimethylbenzene	ND<	1.8 < 3.53E-04	ND<	1.8 < 3.61E-04	ND<	1.9 < 2.54E-04	
1,2,4-trimethylbenzene	ND<	1.8 < 3.53E-04	ND<	1.8 < 3.61E-04	ND<	1.9 < 2.54E-04	
1,3-Dichlorobenzene(m-dichlorobenzene)	ND<	1.8 < 4.31E-04	ND<	1.8 < 4.41E-04	ND<	1.9 < 2.54E-04	
1,4-Dichlorobenzene(p-dichlorobenzene)	ND<	1.8 < 4.31E-04	ND<	1.8 < 4.41E-04	ND<	1.9 < 2.54E-04	
1,2-Dichlorobenzene(o-dichlorobenzene)	ND<	1.8 < 4.31E-04	ND<	1.8 < 4.41E-04	ND<	1.9 < 2.54E-04	
1,2,4-trichlorobenzene	ND<	1.8 < 5.22E-04	ND<	1.8 < 5.44E-04	ND<	1.9 < 2.54E-04	
Hexachlorobutadiene	ND<	1.8 < 7.65E-04	ND<	1.8 < 7.82E-04	ND<	1.9 < 2.54E-04	
Total Trace Organics:		< 0.0104		< 0.0092		< 0.0058	< 0.0020

ND< - indicates that the species was not detected in the sample above the analytical detection limit for this species.
The values reported in this table are the detection limit for this species and the actual concentration is lower.
NA - indicates that the destruction efficiency cannot be calculated because the inlet concentration is below the detection limit or the calculated efficiency is a negative value.

Attachment B

**VCAPCD Rule 50, Opacity
Annual Compliance Survey**

Survey Information:

By: David Thomas
Date: July 9, 2013
Time: 9:00 AM to 9:30 AM
Emissions Unit: Toland Landfill Flare

Verification: On the above date I observed no visible emissions (smoke) for a period or periods aggregating more than three (3) minutes during the time observed (0.5 hour).



DAVID F. THOMAS – ENVIRONMENTAL RESOURCE ANALYST

**VCAPCD Rule 50, Opacity
Annual Compliance Survey**

Survey Information:

By: David Thomas

Date: July 10, 2013

Time: 3:00 PM to 3:30 PM

Emissions Unit: Toland Landfill Biosolids Thermal Oil Heaters

Verification: On the above date I observed no visible emissions (smoke) for a period or periods aggregating more than three (3) minutes during the time observed (0.5 hour).



DAVID F. THOMAS – ENVIRONMENTAL RESOURCE ANALYST

**VCAPCD Rule 50, Opacity
Annual Compliance Survey**

Survey Information:

By: David Thomas

Date: July 10, 2013

Time: 3:00 PM to 3:30 PM

Emissions Unit: Toland Landfill Biosolids Thermal Oxidizer

Verification: On the above date I observed no visible emissions (smoke) for a period or periods aggregating more than three (3) minutes during the time observed (0.5 hour).

A handwritten signature in cursive script that reads "David F. Thomas".

DAVID F. THOMAS – ENVIRONMENTAL RESOURCE ANALYST

**VCAPCD Rule 50, Opacity
Annual Compliance Survey**

Survey Information:


By: David Thomas

Date: July 10, 2013

Time: 3:00 PM to 3:30 PM

Emissions Unit: Toland Landfill Micro-Turbines

Verification: On the above date I observed no visible emissions (smoke) for a period or periods aggregating more than three (3) minutes during the time observed (0.5 hour).



DAVID F. THOMAS – ENVIRONMENTAL RESOURCE ANALYST

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Attachment C

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STRAIGHT BILL OF LADING — SHORT FORM — ORIGINAL — NOT NEGOTIABLE

RECEIVED subject to the classifications and liability limit tariffs in effect on the date of the issue of this Bill of Lading. The property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if in its route, otherwise to deliver to another carrier on the route to said destination, if it is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.



ORIGINAL

1



1920 LUGGER WAY • Long Beach, CA 90813 • 562-435-8364

CAUTION: SEE REVERSE SIDE FOR HAZARD WARNING

DEWITT #11
4480 DUPONT COURT
VENTURA, CA.

BILLING ADDRESS:

Mercury Air Group Inc.
5456 McDonnell Avenue
Los Angeles, CA 90066

SHIPPING ADDRESS:

Mercury Air Group
5456 McDonnell Avenue
Los Angeles, CA 90066

DATE SHIPPED 10/02/13	TIME IN 00:33	TIME OUT 08:54	SHIPPED FROM 1920 LUGGER WAY • LONG BEACH CA		CUSTOMER NO. 0431700044	B/L NO. 211303
CARRIER CODE KAGE	CARRIER NAME KAG West	DRIVER NO. 0272	VEHICLE NO. 211-1213	CUSTOMER EMERGENCY PHONE +1 310 333 3333		

PRODUCT DESCRIPTION	ADD*	TEMP	GRAV	GROSS GAL	NET GAL
27 Uni Keg Gasoline with E10H Meets CARB Phase I Reformulated gaso with E10H for sale in CA RVP does not exceed 7.2 PSI during control period April thru Oct	130	80.0	58.4	8800	8681
	TOTAL →			8800	8681

TR# 17563883

*ADDITIVE INJECTED (OUNCES)

D.O.T. HAZARDOUS MATERIAL DESCRIPTION

UN 1203, Gasoline, 3, PG 11, *
2 Cargo Tanks

MESSAGES

Petro-Diamond Incorporated EPA Registration # 4083.
License Contract # W150004859

Carrier and driver fuel meet all CARB & EPA requirements.

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

X

Carrier certifies that the cargo tank supplied for this shipment is a proper container for the transportation of this commodity. If this shipment moves, in other than shipper's vehicle, the terms will be those (a) of the contract between shipper and carrier or (b) the terms of the lawfully applicable tariffs if the carrier is common carrier.

TRANSPORTATION EMERGENCY
Call CHEMTEL

1-800-255-3924

24 hours a day, 7 days a week

José Alonso Javalera

(DRIVER NAME)

(DRIVER SIGNATURE)

STRAIGHT BILL OF LADING — SHORT FORM — ORIGINAL — NOT NEGOTIABLE

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading. The property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if in its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back hereof, set forth in the classification or tariff which governs the transportation of the shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.



Corp. Office: 1100 Main St., 2nd Floor
Irvine CA 92614 949-503-0112

ORIGINAL

1



1920 LUGGER Way • Long Beach, CA 90815 • 562-435-8384

CAUTION: SEE REVERSE SIDE FOR HAZARD WARNING

BILLING ADDRESS:

SHIPPING ADDRESS:

DATE SHIPPED	TIME IN	TIME OUT	SHIPPED FROM			CUSTOMER NO.	BILL NO.
			1920 LUGGER WAY • LONG BEACH CA				
CARRIER CODE	CARRIER NAME		DRIVER NO.	VEHICLE NO.	CUSTOMER EMERGENCY PHONE		

PRODUCT DESCRIPTION			ADD*	TEMP	GRAV	GROSS GAL.	NET GAL.
			TOTAL		→		

*ADDITIVE INJECTED (OUNCES)

D.O.T. HAZARDOUS MATERIAL DESCRIPTION

MESSAGES

This is to certify that the above — named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

X

Carrier certifies that the cargo tank supplied for this shipment is a proper container for the transportation of this commodity. If this shipment moves, in other than shipper's vehicle, the terms will be those (a) of the contract between shipper and carrier or (b) the terms of the lawfully applicable tariffs if the carrier is common carrier.

TRANSPORTATION EMERGENCY
Call CHEMTEL

1-800-255-3924

24 hours a day, 7 days a week