POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

Site: Potrero Hills Landfill	**Facility ID#:** A2039
Permitted Unit: S-1 POTRERO HILLS LANDFILL AND A-2 LANDFILL GAS FLARE; S-202 WASTE AND COVER MATERIAL DUMPING; S-203 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	**Reporting Period:** *from* 08/01/2015 *through* 01/31/2016

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Collection System Installation Dates	BAAQMD 8-34-501.7 and 501.8 and BAAQMD Condition # 1948, Parts 13b-c and 13f-g	Records	Periodic / On event basis	BAAQMD 8-34-304.1	For Inactive/Closed Areas: collection system components must be installed and operating by 2 years + 60 days after initial waste placement	Continuous	N/A
Collection System Installation Dates	BAAQMD 8-34-501.7 and 501.8 and BAAQMD Condition # 1948, Parts 13b-c and 13f-g	Records	Periodic / On event basis	BAAQMD 8-34-304.2	For Active Areas: Collection system components must be installed and operating by 5 years + 60 days after initial waste placement	Continuous	N/A

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Collection System Installation Dates	BAAQMD 8-34-501.7 and 501.8 and BAAQMD Condition # 1948, Parts 13a-c and 13f-g	Records	Periodic / On event basis	BAAQMD 8-34-304.3	For uncontrolled areas or cells: collection system components must be installed and operating within 60 days after the uncontrolled area or cell accumulates 1,000,000 tons of decomposable all waste	Continuous	N/A
Gas Flow	BAAQMD 8-34-501.10, and 508, and Condition 1948, Part 13h	Gas Flow Meter and Recorder (every 15 minutes)	Continuous	BAAQMD 8-34-301 and 301.1	Landfill gas collection system shall operate continuously and all collected gases shall be vented to a properly operating control system	Continuous	N/A

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Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Gas Flow	BAAQMD Condition # 1948, Parts 13 f-h	Records of Landfill Gas Flow Rates, Collection and Control Systems Downtime, and Collection System Components	Periodic / Daily	BAAQMD Condition # 1948, Parts 5 and 6	Landfill gas collection system shall operate continuously and all collected gases shall be vented to a properly operating control system	Continuous	N/A
Collection and Control Systems Shutdown Time	BAAQMD 8-34-501.1	Operating Records	Periodic / Daily	BAAQMD 8-34-113.2	≤240 hours per year and ≤5 consecutive days	Continuous	N/A
Periods of Inoperation for Parametric Monitors	BAAQMD 1-523.4	Operating Records for All Parametric Monitors	Periodic / Daily	BAAQMD 1-523.2	≤15 consecutive days per incident and ≤30 calendar days per 12-month period	Continuous	N/A

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Continuous Monitors	40 CFR 60.7(b)	Operating Records for All Continuous Monitors	Periodic / Daily	40 CFR 60.13(e)	Requires Continuous Operation except for breakdowns, repairs, calibration, and required span adjustments	Continuous	N/A
Wellhead Pressure	BAAQMD 8-34-414, 501.9 and 505.1	Monthly Inspection and Records	Periodic / Monthly	BAAQMD 8-34-305.1	< 0 psig	Continuous	N/A
Temperature of Gas at Wellhead	BAAQMD 8-34-414, 501.9 and 505.2	Monthly Inspection and Records	Periodic / Monthly	BAAQMD 8-34-305.2	< 55 ° C	Continuous	N/A
Gas Concentrations at Wellhead	BAAQMD 8-34-414, 501.9 and 505.3 or 505.4	Monthly Inspection and Records	Periodic / Monthly	BAAQMD 8-34-305.3 or 305.4	N2 < 20% OR O2 < 5% by volume	Continuous	N/A
Temperature of Gas at Wellhead	BAAQMD 8-34-414, 501.9 and 505.2	Monthly Inspection and Records	Periodic / Monthly	BAAQMD 8-34-305.2	Applies to all wells, except as specified in Condition #1948, Part 21: < 55 °C	Continuous	N/A

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Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Gas Concentrations at Wellhead	BAAQMD 8-34-414, 501.9 and 505.3 or 505.4	Monthly Inspection and Records	Periodic / Monthly	BAAQMD 8-34-305.3 or 305.4	Applies to all wells, except as specified in Condition #1948, Part 21: N_2 < 20% by volume **OR** O_2 < 5% by volume	Continuous	N/A
Alternate Operating Parameters for Specified Wellheads	BAAQMD Condition #1948, Part 21b	Monthly Inspection and Records	Periodic / Monthly/Weekly	BAAQMD Condition #1948, Part 21a	Applies to Specified Wells: Gas temperature: < 145 °F (< 63 °C) **AND** N_2 < 10% by volume OR O_2 < 5% by volume	Continuous	N/A

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Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Carbon Monoxide for Specified Wells Subject to Alternate Wellhead Operating Parameters	BAAQMD Condition #1948, Part 21d	Monthly Inspection and Records	Periodic / Monthly/Weekly	BAAQMD Condition #1948, Part 21d	Applies to Specified Wells: < 200 ppmv, no action; > 200 ppmv but ≤ 500 ppmv, weekly monitoring; > 500 ppmv – well must be shutdown and further CO analysis performed within 1 week.	Continuous	N/A
Well Shutdown Limits for Well Raising	BAAQMD 8-34-116.5 and 501.1	Records	Periodic / Daily	BAAQMD 8-34-116.2	No more than 5 wells at a time or 10% of total collection system, whichever is less	Continuous	N/A
Well Shutdown Limits	BAAQMD 8-34-116.5 and 501.1	Records	Periodic / Daily	BAAQMD 8-34-116.3	24 hours per well	Continuous	N/A
Well Shutdown Limits for Well Raising	BAAQMD 8-34-116.5 and 501.1	Records	Periodic / Daily	BAAQMD 8-34-116.3	24 consecutive hours per well	Continuous	N/A

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Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Well Shutdown Limits Repair, Construction, Fire	BAAQMD 8-34-117.6 and 501.1	Records	Periodic / Daily	BAAQMD 8-34-117.4	No more than 5 wells at a time or 10% of total collection system, whichever is less	Continuous	N/A
Well Shutdown Limits Repair, Construction, Fire	BAAQMD 8-34-117.6 and 501.1	Records	Periodic / Daily	BAAQMD 8-34-117.5	≤24 consecutive hours per well	Continuous	N/A
Landfill Construction Activity Limits	BAAQMD 8-34-118.9 and 501.1	Records	Periodic / Daily	BAAQMD 8-34-118.5	Excavated refuse covered immediately and disposed of ≤24 hours	Continuous	N/A
Landfill Construction Activity Limits	BAAQMD 8-34-118.9 and 501.1	Records	Periodic / Daily	BAAQMD 8-34-118.6	Drilled wells and excavated trenches covered ≤ 8 hours	Continuous	N/A
TOC (Total Organic Compounds Plus Methane)	BAAQMD 8-34-501.6 and 503	Quarterly Inspection of collection and control system components with OVA and Records	Periodic / Quarterly	BAAQMD 8-34-301.2	Component leak limit: ≤1000 ppmv as methane	Continuous	N/A

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Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
TOC	BAAQMD 8-34-415, 416, 501.6, 506 and 510	Monthly Visual Inspection of Cover, Quarterly Inspection with OVA of Surface, Various Reinspection Times for Leaking Areas, and Records	Periodic /Monthly, Quarterly, and On an event basis	BAAQMD 8-34-303	Surface Leak Limit: ≤500 ppmv as methane at 2 inches above surface	Continuous	N/A
Non-Methane Organic Compounds (NMOC)	BAAQMD 8-34-412 and 8-34-501.4 and BAAQMD Condition # 1948, Part 11	Initial and Annual Source Tests and Records	Periodic / Annual	BAAQMD 8-34-301.3	98% removal by weight OR < 30 ppmv, dry basis @ 3% O2, expressed as methane (applies to A-2 Flare only)	Continuous	N/A

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Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Non-Methane Organic Compounds (NMOC)	BAAQMD 8-34-412 and 8-34-501.4 and BAAQMD Condition # 1948, Part 11	Initial and Annual Source Tests and Records	Periodic / Annual	BAAQMD 8-34-301.3	≥ 98% removal by weight OR < 30 ppmv, dry basis @ 3% O_2, expressed as methane (applies to A-2 and A-4 Flares only)	Continuous	N/A
Temperature of Combustion Zone (CT)	BAAQMD 8-34-501.3, and 507, and BAAQMD Condition # 1948, Part 13i	Temperature Sensor and Recorder (continuous)	Continuous	BAAQMD Condition # 1948, Part 9	CT ≤ 1504 °F, averaged over any 3-hour period (applies to A-2 Flare only)	Continuous	N/A
Temperature of Combustion Zone (CT)	BAAQMD 8-34-501.3 and 507, and BAAQMD Condition # 1948, Part 13i	Temperature Sensor and Recorder (continuous)	Continuous	BAAQMD Condition# 1948, Part 9	CT ≥ 1467 °F, averaged over any 3-hour period (applies to A-4 Flare only)	Continuous	N/A

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Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Total Carbon	BAAQMD Condition # 1948, Part 3	Records	Periodic / On Daily	BAAQMD 8-2-301	≤ 15 pounds/day or ≤ 300 ppm, dry basis (applies only to aeration of or use as cover soil of ≤ 50 ppmw of VOC during aeration or use as cover)	Continuous	N/A
Volatile Organic Compounds	BAAQMD Condition # 1948, Parts 2 and 13d	Records	Periodic / On event basis	BAAQMD Condition # 1948, Part 2	Facility shall not accept soil containing more than 50 ppmw of VOC	Continuous	N/A
Opacity	BAAQMD Condition # 1948 Part 13e	Records of all site watering and road cleaning events	Periodic / On event basis, Monthly	BAAQMD 6-1-301	Ringelmann No. 1 for < 3 minutes/hr (applies to S-202 and S-203)	Continuous	N/A
Opacity	None	N/A	None	BAAQMD 6-1-301	Ringelmann No. 1 for < 3 minutes/hr (applies to A-2 Flare)	Continuous	N/A
Opacity	BAAQMD 6-1-301	N/A	None	None	Ringelmann No. 1 for < 3 minutes/hr (applies to A-2 and A-4 Flares only)	Continuous	N/A

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Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
FP	None	N/A	None	BAAQMD 6-1-310	≤ 0.15 grains/dscf (applies to A-2 Flare only)	Continuous	N/A
FP	None	N/A	None	BAAQMD 6-1-310	≤ 0.15 grains/dscf (applies to A-2 and A-4 Flares only)	Continuous	N/A
Opacity	BAAQMD Condition# 1948, Part 13e	Records of all site watering and road cleaning events	Periodic / On event basis, Monthly	SIP 6-301	Ringelmann No. 1 for < 3 minutes/hr (applies to S-202 and S-203)	Continuous	N/A
Opacity	None	N/A	None	SIP 6-301	Ringelmann No. 1 for < 3 minutes/hr (applies to A-2 Flare)	Continuous	N/A
Opacity	None	N/A	None	SIP 6-301	Ringelmann No. 1 for ≤ 3 minutes/hr (applies to A-2 and A-4 Flares)	Continuous	N/A
FP	None	N/A	None	SIP 6-310	≤ 0.15 grains/dscf (applies to A-2 Flare only)	Continuous	N/A

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FP	None	N/A	None	SIP 6-310	≤ 0.15 grains/dscf (applies to A-2 and A-4 Flares only)	Continuous	N/A
SO_2	None	N/A	None	BAAQMD 9-1-301	Property Line Ground Level Limits: ≤ 0.5 ppm for 3 minutes and ≤ 0.25 ppm for 60 min. and ≤ 0.05 ppm for 24 hours (applies to A-2 Flare only)	Continuous	N/A
SO_2	None	N/A	None	BAAQMD 9-1-301	Property Line Ground Level Limits: ≤ 0.5 ppm for 3 minutes and ≤ 0.25 ppm for 60 min. and ≤ 0.05 ppm for 24 hours (applies to A-2 and A-4 Flares only)	Continuous	N/A
SO_2	BAAQMD Condition # 1948, Parts 10, 11d, and13j	Sulfur analysis of landfill gas and source test	Periodic / Quarterly	BAAQMD Regulation 9-1-302	≤ 300 ppm, (dry basis) (applies to A-2 Flare only)	Continuous	N/A

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SO_2	BAAQMD Condition # 1948, Parts 10, 11d, and 13j	Sulfur analysis of landfill gas and source test	Periodic / Quarterly	BAAQMD 9-1-302	≤ 300 ppm (dry basis) (applies to A-2 and A-4 Flares only)	Continuous	N/A
Total Sulfur Content in Landfill Gas	BAAQMD Condition # 1948, Part 10 and 13j	Sulfur analysis of landfill gas	Periodic / Quarterly	BAAQMD Condition # 1948, Part 10	≤ 1300 ppmv of TRS, expressed as H_2S, or (≤1000 ppmv of hydrogen sulfide (H_2S), when measured using a Draeger Tube	Continuous	N/A
H_2S	BAAQMD Condition # 1948, Part 16	Monitoring to be proposed by operator	Periodic / On event basis	BAAQMD 9-2-301	Property Line Ground Level Limits: ≤ 0.06 ppm, averaged over 3 minutes and < 0.03 ppm averaged over 60 min.	Continuous	N/A
Amount of Waste Accepted	BAAQMD Condition # 1948, Part 13a	Records	Periodic / Daily	BAAQMD Condition # 1948, Part 1a	≤ 4430 tons/day	Continuous	N/A