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* 02/01/2015 *through* 07/31/2015

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

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* 02/01/2015 *through* 07/31/2015

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 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

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* 02/01/2015 *through* 07/31/2015

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

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* 02/01/2015 *through* 07/31/2015

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
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	Intermittent	See Attachment to Title V Annual Compliance Certification for additional information
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
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

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* 02/01/2015 *through* 07/31/2015

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
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
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

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* 02/01/2015 *through* 07/31/2015

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
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
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

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* 02/01/2015 *through* 07/31/2015

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% O2, expressed as methane (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 ≤ 1504 °F, averaged over any 3-hour period (applies to A-2 Flare only)	Continuous	N/A
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

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* 02/01/2015 *through* 07/31/2015

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
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
FP	None	N/A	None	BAAQMD 6-1-310	≤ 0.15 grains/dscf (applies to A-2 Flare 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

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* 02/01/2015 *through* 07/31/2015

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Opacity	None	N/A	None	SIP 6-301	Ringelmann No. 1 for < 3 minutes/hr (applies to A-2 Flare)	Continuous	N/A
FP	None	N/A	None	SIP 6-310	≤ 0.15 grains/dscf (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 Flare 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

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* 02/01/2015 *through* 07/31/2015

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
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
Amount of Waste Accepted	BAAQMD Condition # 1948, Part 13a	Records	Periodic / Daily	BAAQMD Condition # 1948, Part 1b	≤13,100,000 tons (cumulative amount of all decomposable materials placed in landfill)	Continuous	N/A

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* 02/01/2015 *through* 07/31/2015

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Amount of Waste Accepted	BAAQMD Condition # 1948, Part 13a	Records	Periodic / Daily	BAAQMD Condition # 1948, Part 1c	≤21,800,000 yd^3 (cumulative amount of all wastes and cover materials placed in landfill)	Continuous	N/A
Heat input	BAAQMD Condition # 1948, Part 8	Records	Periodic / Daily	BAAQMD Condition # 1948, Part 8	≤1,080 MM BTU per day and ≤394,200 MM BTU per year	Continuous	N/A
Startup Shutdown or Malfunction Procedures	40 CFR 63.1980(a-b)	Records (all occurrences, duration of each, corrective actions)	Periodic / On event basis	40 CFR 63.6(e)	Minimize Emissions by Implementing SSM Plan	Continuous	N/A

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

Site: Potrero Hills Landfill	**Facility ID#:** A2039
Permitted Unit: S-13 DIESEL IC ENGINE FOR POWER GENERATION	**Reporting Period:** *from* 02/01/2015 *through* 07/31/2015

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Opacity	BAAQMD Condition # 18996, Part 2	Observation for visible smoke	Periodic / On event basis	BAAQMD 6-1-303	Ringelmann 2.0 for ≤ 3 minutes in any hour	Continuous	N/A
FP	None	N/A	None	BAAQMD 6-1-310	0.15 gr/dscf	Continuous	N/A
Opacity	BAAQMD Condition # 18996, Part 2	Observation for visible smoke	Periodic / On event basis	SIP Regulation 6-303	Ringelmann 2.0 for ≤ 3 minutes in any hour	Continuous	N/A
FP	None	N/A	None	SIP Regulation 6-310	0.15 gr/dscf	Continuous	N/A
Diesel PM	CCR Title 17, §93115.13(a)	Source test data	Periodic / On event basis	CCR Title 17, §93115.7(b)(1)	For non-certified engines: 85% reduction from baseline levels or 0.01 g/bhp-hr	Included in Schedule of Compliance in Title V permit (Compliance milestones completed December 29, 2014)	ATC for replacement engine (S-36) issued June 14, 2014. Initial operation of S-36 in November 2014; Initial Test Report dated December 29, 2014 submitted to District.
NOx	BAAQMD Regulation 9-8-501, 9-8-503	Initial Source Test and Portable Analyzer	P-Initial and P/Q	BAAQMD Regulation 9-8-304.2	≤110 ppmv, corrected to 15% oxygen, dry basis	(See previous comment)	(See previous comment)
CO	BAAQMD Regulation 9-8-501, 9-8-503	Initial Source Test and Portable Analyzer	P-Initial and P/Q	BAAQMD Regulation 9-8-304.2	≤310 ppmv, corrected to 15% oxygen, dry basis	(See previous comment)	(See previous comment)

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

Site:	Potrero Hills Landfill	**Facility ID#:**	A2039
Permitted Unit:	S-13 DIESEL IC ENGINE FOR POWER GENERATION	**Reporting Period:** *from*	02/01/2015 *through* 07/31/2015

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
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	Continuous	N/A
Fuel Sulfur Content	BAAQMD Condition # 18996, Part 1	Vendor certification	Periodic / On event basis	BAAQMD 9-1-304	0.5% sulfur by weight	Continuous	N/A
Fuel Sulfur Content	BAAQMD Condition # 18996, Part 1	Vendor certification	Periodic / On event basis	BAAQMD Condition # 18996, Part 1	0.5% sulfur by weight	Continuous	N/A
Fuel Sulfur Content	BAAQMD Condition # 18996, Part 1	Vendor certification	Periodic / On event basis	CCR Title 17, §93115.5(a)	CARB diesel 0.0015% sulfur by weight and aromatic HC <10% by volume; alternative diesel fuel; or fuel meeting the Verification Procedure	Continuous	N/A
Maintenance Criteria	40 CFR Part 63, Subpart ZZZZ, Sections 63.6625, 63.6640(a), and Table 6(9)(a)	Maintenance plan and records	Periodic / On event basis	40 CFR Part 63, Subpart ZZZZ, Sections 63.6603(a), 63.6640(a), Table 2d(1)(a)	Change Oil and Filter every 1,000 hours of operation or annually, whichever comes first	Continuous	N/A
Maintenance Criteria	40 CFR Part 63, Subpart ZZZZ, Sections 63.6625,	Maintenance plan and records	Periodic / On event basis	40 CFR Part 63, Subpart ZZZZ, Sections 63.6603(a),	Inspect air cleaner every 1,000 hours of operation or annually,	Continuous	N/A