

# POTRERO HILLS LANDFILL, INC. TITLE V SEMI-ANNUAL MONITORING REPORT

<b>Site:</b> Potrero Hills Landfill	<b>Facility ID#:</b> A2039
<b>Permitted Unit:</b> S-1 POTRERO HILLS LANDFILL AND A-2 LANDFILL GAS FLARE	<b>Reporting Period:</b> from 08/01/2012 through 01/31/2013

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
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 accumulate 1,000,000 tons of decomposable all waste	Continuous	N/A
Gas Flow	BAAQMD 8-34-501.10, 8-34-508	Gas Flow Meter and Recorder (every 15 minutes)	Continuous or Periodic / Monthly	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      **Reporting Period:** from 08/01/2012 through 01/31/2013  
 GAS FLARE

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	Continuous Periodic / Daily	BAAQMD Condition # 1948, Parts 5, 6, and 7	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 (for gas flow and temperature monitors)	Periodic / Daily	BAAQMD 1-523.2	15 consecutive days per incident and 30 calendar days per 12-month period	Continuous	N/A
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	NA

# POTRERO HILLS LANDFILL, INC.

## TITLE V SEMI-ANNUAL MONITORING REPORT

<b>Site:</b> Potrero Hills Landfill	<b>Facility ID#:</b> A2039
<b>Permitted Unit:</b> S-1 POTRERO HILLS LANDFILL AND A-2 LANDFILL GAS FLARE	<b>Reporting Period:</b> from 08/01/2012 through 01/31/2013

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
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%	Continuous	N/A
Well Shutdown Limits	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	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	BAAQMD 8-34-117.6 and 501.1	Records	Periodic / Daily	BAAQMD 8-34-117.5	24 hours per well	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	1000 ppmv as methane (component leak limit)	Continuous	N/A

# POTRERO HILLS LANDFILL, INC.

## TITLE V SEMI-ANNUAL MONITORING REPORT

<b>Site:</b> Potrero Hills Landfill	<b>Facility ID#:</b> A2039
<b>Permitted Unit:</b> S-1 POTRERO HILLS LANDFILL AND A-2 LANDFILL GAS FLARE	<b>Reporting Period:</b> from 08/01/2012 through 01/31/2013

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, Various Reinspection Times for Leaking Areas, and Records	Periodic /Monthly, Quarterly, and On an event basis	BAAQMD 8-34-303	500 ppmv as methane at 2 inches above surface	Continuous	NA
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, 8-34-507, and BAAQMD Condition # 1948, Part 13i	Temperature Sensor and Recorder (continuous)	Continuous	BAAQMD Condition # 1948, Part 9	CT ≥ 1400 °F, (applies to A-2 Flare only)	Continuous	N/A
Temperature of Combustion Zone (CT)	BAAQMD 8-34-501.3, 8-34-507, and BAAQMD Condition # 1948, Part 13i	Temperature Sensor and Recorder (continuous)	Continuous	BAAQMD Condition # 1948, Part 9	CT ≥ 1660 °F, averaged over any 3-hour period (applies to A-2 Flare only)	Continuous	N/A

# POTRERO HILLS LANDFILL, INC. TITLE V SEMI-ANNUAL MONITORING REPORT

<b>Site:</b> Potrero Hills Landfill	<b>Facility ID#:</b> A2039
<b>Permitted Unit:</b> S-1 POTRERO HILLS LANDFILL AND A-2 LANDFILL GAS FLARE	<b>Reporting Period:</b> from 08/01/2012 through 01/31/2013

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Total Carbon Emissions	BAAQMD Condition # 1948, Part 3	Records	Periodic / On Daily	BAAQMD 8-2-301	15 pounds/day or 300 ppm, dry basis (applies to soil containing ≤ 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, Daily	BAAQMD 6-301	Ringelmann No. 1 for < 3 minutes/hr (applies to S-1 landfill operations)	Continuous	N/A
Opacity	None	N/A	None	BAAQMD 6-301	Ringelmann No. 1 for < 3 minutes/hr (applies to A-2 Flare)	Continuous	N/A
FP	None	N/A	None	BAAQMD 6-310	≤ 0.15 grains/dscf (applies to A-2 Flare only)	Continuous	N/A
SO <sub>2</sub>	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

# POTRERO HILLS LANDFILL, INC.

## TITLE V SEMI-ANNUAL MONITORING REPORT

<b>Site:</b> Potrero Hills Landfill	<b>Facility ID#:</b> A2039
<b>Permitted Unit:</b> S-1 POTRERO HILLS LANDFILL AND A-2 LANDFILL GAS FLARE	<b>Reporting Period:</b> from 08/01/2012 through 01/31/2013

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
SO <sub>2</sub>	BAAQMD Condition # 1948, Parts 10 and 13j	Sulfur analysis of landfill gas	Periodic / Quarterly	BAAQMD 9-1-302	≤ 300 ppm, dry basis (applies to A-2 Flare 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 (≤1000 ppmv hydrogen sulfide)	Continuous	N/A
H <sub>2</sub> S	None	N/A	None	BAAQMD 9-2-301	Property Line Ground Level Limits: ≤ 0.006 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 1	≤ 4430 tons/day and ≤13,100,000 tons (cumulative amount of all wastes) and ≤21,800,000 yd <sup>3</sup> (cumulative amount of all wastes and)	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

# POTRERO HILLS LANDFILL, INC.

## TITLE V SEMI-ANNUAL MONITORING REPORT

<b>Site:</b> Potrero Hills Landfill	<b>Facility ID#:</b> A2039
<b>Permitted Unit:</b> S-1 POTRERO HILLS LANDFILL AND A-2 LANDFILL GAS FLARE	<b>Reporting Period:</b> from 08/01/2012 through 01/31/2013

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

<b>Site:</b> Potrero Hills Landfill	<b>Facility ID#:</b> A2039
<b>Permitted Unit:</b> S-33, & 13 DIESEL IC ENGINE FOR POWER GENERATION	<b>Reporting Period:</b> from 08/01/2012 through 01/31/2013

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 6-303	Ringelmann 2.0 for 3 minutes in any hour	Continuous	N/A
FP	None	N/A	None	BAAQMD 6-310	0.15 gr/dscf	Continuous	N/A
SO2	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
SO2	BAAQMD Condition # 18996, Part 1	Vendor certification	Periodic / On event basis	BAAQMD 9-1-304	Fuel sulfur limit: 0.5%	Continuous	N/A
SO2	BAAQMD Condition # 18996, Part 1	Vendor certification	Periodic / On event basis	BAAQMD Condition # 18996, Part 1	Fuel sulfur limit 0.5%	Continuous	N/A



# POTRERO HILLS LANDFILL, INC.

## TITLE V SEMI-ANNUAL MONITORING REPORT

<b>Site:</b>	Potrero Hills Landfill	<b>Facility ID#:</b>	A2039
<b>Permitted Unit:</b>	S-14 NON-RETAIL GASOLINE DISPENSING FACILITY	<b>Reporting Period:</b>	from 08/01/2012 through 01/31/2013

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Gasoline Throughput	BAAQMD 8-7-503.1	Records	Periodic / annual	BAAQMD Condition 14098	940,000 gallons per twelve months.	Continuous	N/A
Throughput (exempt from phase 1)	BAAQMD 8-7-501 and 8-7-503.2	Records	Periodic / On event basis	BAAQMD 8-7-114	1,000 gallons per facility for integrity leak checking	Continuous	N/A
Organic compounds	BAAQMD Condition # 16516	Static pressure performance test, ST-38	Periodic / Annual	BAAQMD 8-7-301.6	All phase I equipment (except components with allowable leak rates) shall be leak free (≤ 3 drops/ minute) and vapor tight	Continuous	N/A
Organic compounds	BAAQMD Condition # 16516	Static pressure performance test, ST-38	Periodic / Annual	BAAQMD 8-7-302.5	All phase III equipment (except components with allowable leak rates or at the nozzle/fill-pipe interface) shall be leak free (≤ 3 drops/ minute) and vapor tight	Continuous	N/A