2nd HALF 2016
SEMI-ANNUAL MONITORING REPORT

HILLSIDE CLASS III DISPOSAL SITE
COLMA, CALIFORNIA
PERMIT #A1364

Prepared By:
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Type of Limit	Citation of Limt	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliant to Regulations as of report date ?	Comments
Collection system Installation Dates	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	BAAQMD 8-34-501.7 and 501.8 and BAAQMD Condition #16884, Parts 18.d.-e.	N	Records	Y	Facility no longer accepts waste - facility is closed and in Post-Closure mode.
Collection system Installation Dates	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	BAAQMD 8-34-501.7 and 501.8 and BAAQMD Condition #16884, Parts 18.d.-e.	N	Records	Y	Facility no longer accepts waste - facility is closed and in Post-Closure mode
Collection system Installation Dates	BAAQMD 8-34-304.3	For any 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 waste.	BAAQMD 8-34-501.7 and 501.8 and BAAQMD Condition #16884, Parts 18.d.-e.	N	Records	Y	Facility no longer accepts waste - facility is closed and in Post-Closure mode
Gas Flow	BAAQMD 8-34-301 and 301.1	Landfill gas collection system shall opera continuously and all collected gases shall be vented to a properly operating control system	BAAQMD 8-34-501.10 and 508	C	Gas flow meter and digital recorder (continuous, 1 min. intervals)	Y	
Gas Flow	BAAQMD Condition #16884, Parts 5, 6, 7, and 8	Landfill gas collection system shall opera continuously and all collected gases shall be vented to a properly operating control system	BAAQMD Condition #16884, Parts 13, 14, and 18.d.-f.	C	Gas flow meter, flare alarms, and records of landfill gas flow rates, collection and control systems downtime, and collection system components	Y	
Collection and Control Systems Shutdown Time	BAAQMD 8-34-113.2	240 hours/year nor 5 consecutive days	BAAQMD 8-34-501.1	P/D	Operating records	Y	
Periods of In operation for Parametric Monitors	BAAQMD 1-523.2	15 consecutive days/incident and 30 calendar days/12 month period	BAAQMD 1-523.4	P/D	Operating records for all parametric monitors	Y	
Permitted LFG well locations	BAAQMD 8-34-304	N/A	BAAQMD 8-34-304	N	Operating records for all continuous monitors	Y	Facility no longer accepts waste - facility is closed and in Post-Closure mode

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Wellhead Pressure	BAAQMD 8-34-305.1	Pressure < 0 psig	BAAQMD 8-34-414, 501.9 and 505.1	P/M	Monthly inspection and operating records	Y	
Temperature of Gas at Wellhead	BAAQMD 8-34-305.2 and BAAQMD Condition #16884, Part 7	< 55 °C (131 °F) or ≤ 140 °F and < 5% O_2	BAAQMD 8-34-414, 501.9 and 505.2	P/M	Monthly inspection and operating records	Y	
Gas concen-trations at Wellhead	BAAQMD 8-34-305.3 or 305.4	N_2 < 20% or O_2 < 5%	BAAQMD 8-34-414, 501.9 and 505.3 or 505.4	P/M	Monthly inspection and operating records	N	A few well locations exhibited O_2 > 5% during this reporting period. Operator filed a CAP plan with the Bay Area Air District to implement corrective actions.
Well Shutdown Limits	BAAQMD 8-34-116.2	No more than 5 wells at a time or 10% of total collection system, whichever is less	BAAQMD 8-34-116.5, 8-34-117.6, and 501.1	P/D	Operating records	Y	
Well Shutdown Limits	BAAQMD 8-34-116.3	24 hours per well	BAAQMD 8-34-116.5, 8-34-117.6, and 501.1	P/D	Operating records	Y	
TOC (Total Organic Compounds plus Methane)	BAAQMD 8-34-301.2	1000 ppmv as methane (component leak limit)	BAAQMD 8-34-501.6 and 503	P/A	Annual inspection of collection and control system components with a portable analyzer and operating records	Y	
TOC	BAAQMD 8-34-303	500ppmv as methane at 2 inches above surface	BAAQMD 8-34-415, 416, 501.6, 506 and 510	P/M, A	Monthly visual inspection of cover. Annual inspection of surface with a portable analyzer, Re-inspection times for leaking areas, and operating records	Y	
Non-Methane Organic Compounds (NMOC)	BAAQMD 8-34-301.3	98% removal by weight OR < 30 ppmv, dry basis @ 3% O_2, expressed as methane (applies to A-2 Landfill Gas Flare only)	BAAQMD 8-34-412 and 8-34-501.4 and BAAQMD Condition #16884, Part 16	P	Tri-annual Source Tests and operating records	Y	
Temperature of Combustion Zone (CT)	BAAQMD Condition #16884, Part 12	CT ≥ 1500 °F, averaged over any 3-hour period, (applies to A-2 Landfill Gas Flare only)	BAAQMD 8-34-501.3 and 507	C	Temperature sensor and digital recorder (1 minute intervals)	Y	

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Total Carbon	BAAQMD 8-2-301 and BAAQMD Condition #16884, Part 3	15 pounds/day or 3000 ppm, dry basis (applies only to aeration of or use as cover soil of soil containing ≤ 50 ppmv of volatile organic compounds)	BAAQMD Condition #16884, Parts 3 and 18.b.	N	Records	Y	Facility no longer accepts waste - facility is closed and in Post-Closure mode
Volatile Organic Compounds	BAAQMD Condition #16884, Part 2	Facility shall not accept soil containing more than 50 ppmv of VOC	BAAQMD Condition #16884, Part 2	N	Records	Y	Facility no longer accepts waste - facility is closed and in Post-Closure mode
SO_2	BAAQMD regulation 9-1-302	≤ 300 ppm (dry basis) (applies to A-2 Landfill Gas Flare only)	BAAQMD Condition #16884, Part 16	P	Tri-annual Source Test	Y	
Total Sulfur content in Landfill Gas	BAAQMD Condition #16884, Part 15	≤ 1300 ppmv	BAAQMD Condition #16884, Part 15	P	Sulfur analysis of landfill gas conducted Tri-annually.	Y	
Amount of Waste Accepted	BAAQMD Condition #16884, Part 1	≤ 400 tons/day and ≤5,028,000 tons (cumulative amount of all wastes) and ≤9,830,000 yd^3 (cumulative amount of all wastes and cover materials)	BAAQMD Condition #16884, Part 18.a.	N	Records	Y	Facility no longer accepts waste - facility is closed and in Post-Closure mode
Heat Input	BAAQMD Condition #16884, Part 9	≤ 633.6 MM BTU per day and ≤231,264 MM BTU per year	BAAQMD Condition #16884, Parts 9 and 18.f	P/A	Records	Y	
NO_x	BAAQMD Condition #16884, Part 10	≤ 30 ppmv of NO_x, corrected to 15% O_2 dry	BAAQMD Condition #16884, Part 16.d	P	Tri-annual Source Test	Y	
CO	BAAQMD Condition #16884, Part 11	≤ 208 ppmv of CO, corrected to 15% O_2 dry	BAAQMD Condition #16884, Part 16.d	P	Tri-annual Source Test	Y	