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January 18, 2012

Enforcement and Compliance Department
Bay Area Air Quality Management District
939 Ellis St
San Francisco, CA 94109
email: compliance@baaqmd.gov

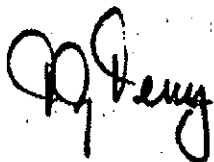
RE: 2nd Half 2011 Semi-Annual Monitoring Report
Hillside Class III Disposal Site in Colma, CA (Permit #A1364)
(Electronic Submittal via EMAIL)

Dear Department Representative:

CALCO is pleased to submit this 2nd Half 2011 Semi-Annual Monitoring Report (SAMP) for the Hillside Class III Solid Waste Disposal Site, located in both the Town of Colma and San Mateo County, California. This document was prepared in accordance with the BAAQMD AQ engineer's recommended guidelines for presentation and covers the semi-annual period from July 1, 2011 through December 31, 2011.

During this reporting period, the facility operator has continued Parcel 2 closure construction work activities. It is anticipated that this work activity will be completed towards the end of this year. Please contact me directly if you have any questions regarding this submittal.

Respectfully Submitted,



Jeff Terry
General Manager

cc: Naomi Bernardo, Bay Area Air Quality Management District (via email)
Greg Schirle, San Mateo County Health Services (via email)
Brad Donohue, Town of Colma (via email)

**2nd HALF 2011
SEMI-ANNUAL MONITORING REPORT**

**HILLSIDE CLASS III DISPOSAL SITE
COLMA, CALIFORNIA
PERMIT #A1364**

Prepared By:
Cypress-Amloc Land Company, Inc
1 Sand Hill Road
Colma, CA 94014
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Type of -Label	Location of Limit	PK VLN	Failure Date	Limit	Monitoring Method	Monitoring Frequency (PRCN)	Monitoring Type	Compliant as of report date?	Comments
Collection system Installation Paces	BAAQMD #34-304.1	Y		For hardware, initial areas collection system components must be installed and operating by 3 years - 60 days after initial vendor placement	BAAQMD #26-501.7 and 301.8 and BAAQMD Condition #16882 Parts 18.4-c	FT	Records	Y	
Collection system distillation Paces	BAAQMD #34-301.2	Y		For source areas collection system components must be installed and operating by 3 years - 60 days after initial vendor placement	BAAQMD #26-501.7 and 301.8 and BAAQMD Condition #16882 Parts 18.4-c	FT	Records	Y	
Collection system distillation Paces	BAAQMD #34-304.3	Y		For source areas collection system components must be installed and operating within 60 days after the uncontrolled area or cell accumulates 1,000,000 lbs of decahydroisobenzofuran	BAAQMD #26-501.7 and 301.8 and BAAQMD Condition #16882 Parts 18.4-c	FT	Records	Y	
Flow Flow	BAAQMD #34-301.1 and 301.1	Y		Isolate gas collection system shut gases continuously and all collected gases shall be vented to a properly operating control system	BAAQMD #26-501.7 and 301.8 and 302	FT	Flow rate and recorder	Y	
Gas Flow	BAAQMD Condition #26504, Parts 5, 6, 7, and 8	Y		Isolate gas collection system shut system continuously and all collected gases shall be vented to a properly operating control system	BAAQMD Condition #16882 Parts 18.4-c and 18.4-f	FT	Gas flow meter, flow meter, and records of landfill gas flow rates, collection and control systems operation and collection system components	Y	
Collection system Control Systems Shutdown Times	BAAQMD #42-118.2	Y		24hr nonstop operation consecutive days	BAAQMD #26-501.1	FT	Operational records	Y	

Hillside Class III Disposal Site

Semi-Annual Monitoring Report - 2nd (April 2011)

Permit #A1364

Typical Unit	Component of Unit	PE Y/N	Future Effective Date	Monitoring Interval	Monitoring Requirement Description	Monitoring Frequency (P/Y)	Monitoring Type	Compliance as of Report date	Comments
Startup Shutdown or Maintenance Procedures	40 CFR 63.6(e)	Y			40 CFR 63.198(b)-1)	PT	Records all parameters, duration of each parameter exceeding threshold	Y	
Periods of In operation for Parameter Measurements	BAAQMD 1-523.2	Y		15 consecutive days/interval and 24 calendar days/12 month period	BAAQMD 1-523.4	PT	Operating records for all parameters monitoring	Y	
Continuous Parameter Measurements	40 CFR 48.176)	Y		Requires continuous operation except for breakdowns, repairs, shutdown and routine adjustments	40 CFR 68.6(b)	PD	Operating records for all continuous parameters	Y	
Parameter (TE) well locations	5-14-304	N		N/A	BAAQMD 5-24-304	PD	Operating records for all continuous parameters	Y	
Wellhead Pressure	BAAQMD 5-14-305.1	Y		< 0.200	BAAQMD 5-24-314, 501.9 and 505.1	PD	Monthly inspection and records	Y	
Temperature of Gas at Wellhead	BAAQMD 3-14-305.2 and BAAQMD Condition M15884, Part 2	Y		< 53 °C (121 °F) or 2.240 °F and < 3% O ₂	BAAQMD 3-24-314, 501.9 and 505.2	PD	Monthly inspection and records	Y	
Gas capture efficiency at Wellhead	BAAQMD R-34-305.3 in 2b &	Y		N/A	BAAQMD R-34-305.3 in 505.3 and 505.4	PD	Monthly inspection and records	Y	
Well Shutdown Limits	BAAQMD 5-34-116.2	Y		Minimum than 5 wells at a time or 10% of total wellhead capacity, whichever is less	BAAQMD 5-34-116.5, 8- 34-117.6, and 501.1	PD	Records	Y	

Type of Event	Creation of Limit	FE VIN	Failure Mode	Limit	Manufacturing Character	Monitoring Frequency (P/C/S)	Monitoring Type	Compliance as of Report Date	Comments
TRC Fluid (Hydraulic Temperature) Maintenance	BAACQMD 8-24-2012	Y		TRC fluid as indicated (Component leak limit)	BAACQMD 8-24-2011 & 2nd Site	P/C	Quarterly inspection of vulcanization and control systems components with a portable vulcanizer and electrical	Y	
TOC	BAACQMD 8-24-2012	Y		50% greater as indicated in 2 inches above surface	BAACQMD 8-24-2011 & 2nd Site, 500-500-500-500	P/C, Q, and B	Monthly visual inspection of cover. Quarterly inspection of surface with a portable vulcanizer. Report inspection items for leaking areas, and Records	Y	
Non-Volatile Organic Compounds (NMOC)	BAACQMD 8-24-2012	Y		98% removal by weight OR 0.53 ppm, dry basis @ 5% O ₂ expressed as methane vapors in A-2 Landfill Gas Rise (LGR)	BAACQMD 8-24-2012 and BAACQMD 8-24-2011, Part 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	P/A	Source tests and records	Y	
Temperature level of Combustion Zone (CT)	BAACQMD 8-24-2012, Part 12	Y		CT 2: 1400 °F, averaged over 100 14-hour periods, until 11/01/09, and Effective 11/01/09, CT's 1500 °F, averaged over 100 14-hour periods, until 01/01/10, and Landfill Gas Rise only	BAACQMD 8-24-2012 and 507	C	Temperature sensor and recorder (continuous)	Y	
Total Carbon	BAACQMD 8-24-2012 and BAACQMD 8/18/01, Part 3	Y		15 ppm (dry basis) or 200 ppm (dry basis) (applicable only to soil of unit as covered in unit) containing 5.50 ppm of volatile organic compounds	BAACQMD 8/18/01, Part 3 and 18.9%	P/A	Records	Y	

Type of Landfill	Condition of Landfill	FE V/O	Future Effluent Rate	Leachate	Monitoring Frequency (Condition)	Monitoring Frequency (V/O)	Monitoring Monitoring Type	Sampling in Report as of report date?	Comments
Wastewater Disposal	BAACQMD Condition #15884, Part 2	N		Facility shall not accept soil containing more than 50 ppm of VOM.	BAACQMD Condition #15884, Part 2	FE	Records	Y	
Open Pit	HAACQMD 5-301	Y		Regulation No. 1 for <3 (applies to A-2 Landfill Class (Pile only))	None	N	NA	NA	
FP	BAACQMD 5-319	Y		≤ 0.15 particles/l (applies to A-2 Landfill Class (Pile only))	None	N	NA	NA	
SO ₂	HAACQMD regulations 64-301	Y		Property 1, as follows (LSE): Leachate: ≤ 0.5 ppm for 3 meters and ≤ 0.25 ppm for the next 9,000 ≤ 0.03 ppm for 25 hours (applies to A-2 Landfill Class (Pile only))	None	N	NA	NA	
SO ₂	BAACQMD regulations 64-302	Y		≤ 300 ppm (dry basis) (applies to A-2 Landfill Class (Pile only))	BAACQMD Condition #15884, Part 10	PA	Source Tests	Y	
Total Sulfur reported in Landfill Gas	BAACQMD conditions #15884, Part 13	Y		< 1300 ppm	BAACQMD Condition #15884, Part 13	PO	Soil Gas analysis of landfill gas	Y	
Amount of wastes Accepted	BAACQMD conditions #15884, Part 1	Y		< 400 barrels and ≤ 100,000 lbs (same as the amount of all wastes and ≤ 100,000 gal (same as the amount of all wastes and cover materials)	BAACQMD Condition #15884, Part 13	PO	Records and calculations	Y	
Leach Input	BAACQMD Condition #15884, Part 5	Y		≤ 633 (618) PPH per day and ≤ 271,284 PPH BTU per year	BAACQMD Condition #15884, Part 5	PO	Records	Y	
NO _x	BAACQMD Condition #15884, Part 10	Y		< 30 ppm of NO _x converted to 15% O ₂ dry	BAACQMD Condition #15884, Part 10	PA	Source Test	Y	
CO	BAACQMD Condition #15884, Part 11	Y		< 200 ppm of CO converted to 15% O ₂ dry	BAACQMD Condition #15884, Part 10	PA	Source Test	Y	