

2 COMBINED REPORT REQUIREMENTS

In accordance with Title V Permit Standard Condition 1.f, BAAQMD Rule 8-34-311, and 40 CFR §60.757(f) the following is included in this combined report.

Rule	Requirement	Location in Report
8-34-501.1 §60.757(f)(4)	All collection system downtime, including individual well shutdown times and the reason for the shutdown.	Section 3.1 Appendices A and B
8-34-501.2 §60.757(f)(3)	All emission control system downtime and the reason for the shutdown.	Section 3.2 Appendix C
8-34-501.3, 8-34-507, §60.757(f)(1)	Continuous temperature for all operating flares and any enclosed combustor subject to Section 8-34-507.	Section 3.3 Appendix E
8-34-501.4, 8-34-505, 8-34-510	Testing performed to satisfy any of the requirements of this rule.	Section 3.4.1 & 3.4.2 Appendices F and G
8-34-501.5	Monthly LFG flow rates and well concentration readings for facilities subject to 8-34-404.	Section 3.5, 3.6 Appendix K
8-34-501.6, 8-34-503, 8-34-506, §60.757(f)(5)	For operations subject to Section 8-34-503 and 8-34-506, records of all monitoring dates, leaks in excess of limits in Section 8-34-301.2 or 8-34-303 that are discovered by the operator, including the location of the leak, leak concentration in parts per million by volume (ppmv), date of discovery, the action taken to repair the leak, date of the repair, date of any required re-monitoring, and the re-monitored concentration in ppmv.	Section 3.6.1 & 3.6.2 Appendices H and I
8-34-501.7	Annual waste acceptance rate and current amount of waste-in-place.	Section 3.7
8-34-501.8	Records of the nature, location, amount, and date of deposition of non-degradable wastes, for any landfill areas excluded from the collection	Section 3.8

Rule	Requirement	Location in Report
	system requirement as documented in the GCCS Design Plan.	
8-34-501.9, 8-34-505, §60.757(f)(1)	For operations subject to Section 8-34-505, records of all monitoring dates and any excesses of the limits stated in Section 8-34-305 that are discovered by the operator, including well identification number, the measured excess, the action taken to repair the excess, and the date of repair.	Sections 3.9 Appendices F and J
8-34-501.10, 8-34-508, §60.757 (f)(1)	Continuous gas flow rate records for any site subject to Section 8-34-508.	Section 3.10 Appendix K
8-34-501.11, 8-34-509	For operations subject to 8-34-509, records or key emission control system operating parameters.	Section 3.11
8-34-501.12	The records required above shall be made available and retained for a period of five years.	Section 1.2
§60.757(f)(2)	Description and duration of all periods when the gas stream is diverted from the control device through a bypass line or the indication of bypass flow as specified under §60.756.	Section 3.12
§60.757(f)(6)	The date of installation and the location of each well or collection system expansion added pursuant to paragraphs (a)(3), (b), (c)(4) of §60.755.	Section 3.13 Appendices A and B
Permit Condition 17309 (33)	Fugitive Emissions Precursor Organic Compounds (POC)	Section 3.14 Appendix L
Permit Condition 17309 (34), 9-1-302, 2-6-503	Quarterly Hydrogen Sulfide Monitoring	Section 3.15 Appendices M
8-34-413, §60.757(g)	Performance Test Report	Section 4 Appendix N

Rule	Requirement	Location in Report
§63.10 (d)(5)(i)	Startup, Shutdown, Malfunction Events	Section 5 Appendix A and C

4 PERFORMANCE TEST REPORT

In accordance with BAAQMD Rule 8-34-413 and 40 CFR §60.757(g) a Performance Test Report is required to be submitted from subject facilities containing performance and monitored data for the operation of the GCCS. Keller Canyon is an affected facility per BAAQMD Rule 8-34-412 and is required to perform an annual compliance demonstration test.

Rule	Requirement	Location in Report
8-34-412, §60.8, §60.725(b)(2)(iii)(B), §60.754(d)	Compliance Demonstration Test	Section 4.1 Appendix N
§60.757(g)(1)	A diagram of the collection system showing collection system positioning including all wells, horizontal collectors, surface collectors, or other gas extraction devices, including the locations of any areas excluded from collection and the proposed sites for future collection system expansion.	Section 4.2 Appendix O
§60.757(g)(2)	The data upon which the sufficient density of wells, horizontal collectors, surface collectors, or other gas extraction devices and the gas mover equipment sizing are based.	Section 4.3
§60.757(g)(3)	The documentation of the presence of asbestos or non-degradable material for each area from which collection wells have been excluded based on the presence of asbestos or non-degradable material.	Section 4.4
§60.757(g)(4)	The sum of the gas generation flow rates for all areas from which collection wells have been excluded based on non-productivity and the calculations of gas generation flow rate for each excluded area.	Section 4.5
§60.757(g)(5)	The provisions for increasing gas mover equipment capacity with increased gas generation flow rate, if	Section 4.6

Rule	Requirement	Location in Report
	the present gas mover equipment is inadequate to move the maximum flow rate expected over the life of the landfill.	
§60.757(g)(6)	The provisions for the control of off-site migration.	Section 4.7 Appendix P

4.1 Flare (A-1 and A-2) Compliance Demonstration Tests (BAAQMD 8-34-412)

The Compliance Demonstration Test (Performance Test) was performed on the A-1 Flare by Blue Sky Environmental, Inc. (Blue Sky) on September 30, 2014, pursuant to BAAQMD Regulation 8-34-412, §60.8, §60.725(b)(2)(iii)(B), and §60.754(d). A copy of this Performance Test Report was included in Appendix M of the September 1, 2014 through February 28, 2015 Semiannual Report.

The Performance Test was performed on the A-2 Flare by Blue Sky on March 16, 2015, pursuant to BAAQMD Regulation 8-34-412, §60.8, §60.725(b)(2)(iii)(B), and §60.754(d). A copy of this Performance Test Report is included in Appendix N.

The compliance demonstration tests confirmed the flares are operating in compliance with the requirements of Title V Condition 17309, Part 30 and 8-34-301.3.

A summary of the A-2 compliance demonstration test is as follows:

FLARE A-2		
Condition	Average Results	Limit
NOx (ppm @ 15% O ₂)	7.2	15
CO (ppm @ 15% O ₂)	3.5	81
NMOC (ppmv @ 3% O ₂)	<4.1	30
NMOC Destruction Efficiency (%)	>99.2%	>98%
TRS in LFG	46.7	300