

**MONITORING REPORT
 APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS
 GAS RECOVERY SYSTEMS, INC.
 PERMIT NUMBER B1670
 SOURCES S-2**

REPORTING PERIOD – July 1, 2013 through December 31, 2013

<u>Source Nos. S-2</u>					
Type of Limit	Citation of Limit	Compliance Status	Type of Limit	Monitoring Requirement Citation	Monitoring Type
Opacity	BAAQMD 6-301	In Compliance	Ringelmann #1	Not Applicable	None Required
FP	BAAQMD 6-310	In Compliance	0.15 grains/dscf	Not Applicable	None Required
TOC	BAAQMD 8-34-301.2 SIP 8-34-301.1	In Compliance	1000 ppmv as Methane (component leak limit)	BAAQMD 8-34-501.6 and 8-34-503 SIP 8-34-503	Quarterly Inspection and Records
Non-Methane Organic Compounds (NMOC)	BAAQMD 8-34-301.4b	In Compliance	98% removal by weight OR < 120 ppmv dry @ 3% O ₂ , expressed as methane	BAAQMD 8-34-412 and 8-34-501.4 Condition # 16669, Part 4e	Annual Source Test & weekly CO & O ₂ testing.
POC	BAAQMD Condition # 16669, Part 8	Not Applicable System Never Installed	9 Pounds/Day	BAAQMD Condition # 16669, Part 8,9,10 & 11	Not Applicable System Never Installed
SO ₂	BAAQMD 9-1-301	In Compliance	Property Line Ground Level Limits < 0.5 ppm for 3 minutes, < 0.25 ppm for 60 minutes, and <0.05 ppm for 24 hours	Not Applicable	None Required
SO ₂	BAAQMD 9-1-302	In Compliance	< 300 ppm (dry)	BAAQMD Condition # 16669, Part 5	Sulfur Analysis of landfill gas only

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HzS	BAAQMD 9-2-301	In Compliance	Property Line ground level limits < 0.06 ppm Averaged over 3 minutes and < 0.03ppm Averaged over 60 minutes	Not Applicable	None Required
Total Sulfur Content in Landfill Gas	BAAQMD Condition # 16669, Part 5	In Compliance	< 1300 ppmv (dry)	BAAQMD Condition # 16669, Part 5	Sulfur Analysis of landfill gas only
NO _x	BAAQMD 9-8-302.2 and BAAQMD Condition # 16669, Part 2	In Compliance	Waste Fuel Gas, Rich-Burn 210 ppmv dry @ 15% O ₂	BAAQMD Condition # 16669, Part 4d	Annual Source Test & Quarterly Monitoring
CO	BAAQMD 9-8-302.3	In Compliance	Waste Fuel Gas: 2000 ppmv dry @ 15% O ₂	BAAQMD Condition # 16669, Part 4d	Annual Source Test & weekly & Quarterly Monitoring
CO	BAAQMD Condition # 16669, Part 3	In Compliance	740 ppmv dry @ 15% O ₂	BAAQMD Condition # 16669, Part 7a-e	Annual Source Test & weekly & Quarterly Monitoring
Heat Input	BAAQMD Condition # 16669, Part 6	In Compliance	162 MM BTU/day/engine and 59,130 MM BTU per 12-month period	BAAQMD Condition # 16669, Part 7 a-e	Records of occurrence and duration
Emission Control System Shutdown Time	BAAQMD 8-34-113.2	In Compliance	240 hours/year	BAAQMD 8-34-501.2	Records Engine Plant and Related Equipment Only

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Gas Flow	BAAQMD 8-34-301 and 301.1	In Compliance	Vent all collected gases to a properly operating control system and operate control system continuously.	BAAQMD 8-34-501.10 and 508	Gas Flow Meter and Recorder (every 15 minutes).
Periods of Inoperation for Parametric Monitors	BAAQMD 1-523.2	Intermittent Compliance	15 Consecutive days/incident and 30 calendar days/ 12 month period	BAAQMD 1-523.4	Duration of flowmeter being inoperative due to calibration/repair exceeded permit limit.
Annual Performance Test	BAAQMD Condition #1669 Item 4	In Compliance	Source must be tested no earlier than 9 months and no later than 12 months from the anniversary of the previous test date.	BAAQMD Condition #347 Item 4	Source Tested May 30, 2013
5-Year Recordkeeping	BAAQMD Standard Condition E	In Compliance	Requires Maintaining of required records for period of 5-years.	Regulation 3; MOP Volume II; Part 3, 4.7; BAAQMD 8-34-5-1.12	Records of Submittal

**MONITORING REPORT
 APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS
 GAS RECOVERY SYSTEMS, INC.
 PERMIT NUMBER B1670
 SOURCES S-3, S-4, & S-5**

REPORTING PERIOD – July 1, 2013 through December 31, 2013

Source Nos. S-3, S-4, & S-5					
Type of Limit	Citation of Limit	Compliance Status	Type of Limit	Monitoring Requirement Citation	Monitoring Type
Opacity	BAAQMD 6-301	In Compliance	Ringelmann #1	Not Applicable	None Required
FP	BAAQMD 6-310	In Compliance	0.15 grains/dscf	Not Applicable	None Required
TOC	BAAQMD 8-34-301.2 SIP 8-34-301.1	In Compliance	1000 ppmv as Methane (component leak limit)	BAAQMD 8-34-501.6 and 8-34-503 SIP 8-34-503	Quarterly Inspection and Records
Non-Methane Organic Compounds (NMOC)	BAAQMD 8-34-301.4b	In Compliance	98% removal by weight OR < 120 ppmv dry @ 3% O ₂ , expressed as methane	BAAQMD 8-34-412 and 8-34-501.4 Condition # 347, Part 4e	Annual Source Test & Weekly CO & O ₂ Testing.
POC	BAAQMD Condition # 347, Part 8	Not Applicable System Never Installed	9 Pounds/Day	BAAQMD Condition # 347, Part 8,9,10 & 11	Not Applicable System Never Installed
SO ₂	BAAQMD 9-1-301	In Compliance	Property Line Ground Level Limits < 0.5 ppm for 3 minutes, < 0.25 ppm for 60 minutes, and < 0.05 ppm for 24 hours	Not Applicable	None Required
SO ₂	BAAQMD 9-1-302	In Compliance	< 300 ppm (dry)	BAAQMD Condition # 347, Part 5	Sulfur Analysis of landfill gas only

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PERMIT NUMBER B1670
SOURCES S-3, S-4, & S-5

REPORTING PERIOD – July 1, 2013 through December 31, 2013

Source Nos. S-3, S-4, & S-5					
Type of Limit	Citation of Limit	Compliance Status	Type of Limit	Monitoring Requirement Citation	Monitoring Type
H ₂ S	BAAQMD 9-2-301	In Compliance	Property Line ground level limits < 0.06 ppm Averaged over 3 minutes and < 0.03ppm Averaged over 60 minutes	Not Applicable	None Required
Total Sulfur Content in Landfill Gas	BAAQMD Condition # 347, Part 5	In Compliance	< 1300 ppmv (dry)	BAAQMD Condition # 347, Part 5	Sulfur Analysis of landfill gas only
NO _x	BAAQMD 9-8-302.2 and BAAQMD Condition # 347, Part 2	In Compliance	Waste Fuel Gas, Rich-Burn 210 ppmv dry @ 15% O ₂	BAAQMD Condition # 347, Part 4d	Annual Source Test & Quarterly Monitoring
CO	BAAQMD 9-8-302.3	In Compliance	Waste Fuel Gas: 2000 ppmv dry @ 15% O ₂	BAAQMD Condition # 347, Part 4d	Annual Source Test & Weekly & Quarterly Monitoring
CO	BAAQMD Condition # 347, Part 3	In Compliance	740 ppmv dry @ 15% O ₂	BAAQMD Condition # 347, Part 7a-e	Annual Source Test & Weekly & Quarterly Monitoring
Heat Input	BAAQMD Condition # 347, Part 6	In Compliance	162 MM BTU/day/engine and 59,130 MM BTU per 12-month period	BAAQMD Condition # 347, Part 7 a-e	Records of occurrence and duration
Emission Control System Shutdown Time	BAAQMD 8-34-113.2	In Compliance	240 hours/year	BAAQMD 8-34-501.2	Records Engine Plant and Related Equipment Only

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 PERMIT NUMBER B1670
 SOURCES S-3, S-4, & S-5**

REPORTING PERIOD – July 1, 2013 through December 31, 2013

Source Nos. S-3, S-4, & S-5					
Type of Limit	Citation of Limit	Compliance Status	Type of Limit	Monitoring Requirement Citation	Monitoring Type
Gas Flow	BAAQMD 8-34-301 and 301.1	In Compliance	Vent all collected gases to a properly operating control system and operate control system continuously.	BAAQMD 8-34-501.10 and 508	Gas Flow Meter and Recorder (every 15 minutes)
Gas Flow	SIP 8-34-301 and 301.4	In Compliance	Vent all collected gases to a properly operating control system and operate control system continuously.	SIP 8-34-501.1	Gas Flow Meter and Recorder (every 15 minutes)
Periods of Inoperation for Parametric Monitors	BAAQMD 1-523.2	Intermittent Compliance	15 Consecutive days/incident and 30 calendar days/ 12 month period	BAAQMD 1-523.4	Duration of flowmeter being inoperative due to calibration/repair exceeded permit limit.
Continuous Monitors	40 CFR 60.13(e)	In Compliance	Requires Continuous Operation except for breakdowns, repairs, calibration, and required span adjustments	40 CFR 60.7(b)	Records of occurrence and duration
Annual Performance Test	BAAQMD Condition #347 Item 4	In Compliance	Source must be tested no earlier than 9 months and no later than 12 months from the anniversary of the previous test date.	BAAQMD Condition #347 Item 4	Source Testing not required during this reporting period.
5-Year Recordkeeping	BAAQMD Standard Condition E	In Compliance	Requires Maintaining of required records for period of 5-years.	Regulation 3; MOP Volume II; Part 3, 4.7; BAAQMD 8-34-5-1.12	Records of Submittal

**MONITORING REPORT
 APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS
 GAS RECOVERY SYSTEMS, INC.
 PERMIT NUMBER B1670
 SOURCE S-21**

REPORTING PERIOD – July 1, 2013 through December 31, 2013

Source No. S-21					
Type of Limit	Citation of Limit	Compliance Status	Type of Limit	Monitoring Requirement Citation	Monitoring Type
VOC Emission Limit	BAAQMD 8-2-301	In Compliance	15 pounds/day or 300 ppm, dry basis	BAAQMD Condition #16025 Part 6	Throughput Records
Throughput Limit	BAAQMD Condition #16025 Part 1	In Compliance	750,000 gallons of landfill gas condensate per 12-month period	BAAQMD Condition #16025 Part 4	Throughput Records
True Vapor Pressure	BAAQMD Condition #16025 Part 5	In Compliance	< 4.0 psi	BAAQMD Condition #16669 Part 10	Analysis of VOC's Note: Source Not Present
5-Year Recordkeeping	BAAQMD Condition #16025 Part 6	In Compliance	Records stating total daily throughput summarized monthly & 12-month throughput must be maintained for 5 years.	BAAQMD Regulation 2-6-501	Records of Submittal