

Mariposa Energy, LLC

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BAY AREA AIR QUALITY
MANAGEMENT DISTRICT

January 23, 2017

Director of Compliance and Enforcement
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109
Attn: Title V Reports

Subject: Title V Semi-Annual Compliance Report: Period from 07/01/2016 – 12/31/2016
Mariposa Energy, LLC, Facility Number B9730

To Whom It May Concern:

As required by Section I Part F of the subject Title V permit, Mariposa Energy is submitting the enclosed semi-annual monitoring report for the period from July 1, 2016 through December 31, 2016. After reasonable inquiry, we conclude the following regarding this period of operation:

- There were no deviations during this period;
- There were no excess emissions;
- All reports were submitted on time;
- All CEMs QA procedures, methodologies, and maintenance were performed as required.

Based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

If you have any questions or concerns regarding this submittal, please contact Wayne Forsyth at w.forsyth@dgc-us.com or (213) 473-0093.

Sincerely,



Bo Buchynsky – Responsible Official
Responsible Official, Mariposa Energy, LLC
633 West Fifth Street, Suite 1000
Los Angeles, California 90071

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S-1, S-2, S-3 AND S-4 COMBUSTION GAS TURBINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
NOx	BAAQMD 9-9-301.2	N		9 ppmv @ 15% O2, dry or 0.43 lbs/MW-hr	BAAQMD 9-9-501 and BAAQMD condition #24955, part 22b	C	CEM	X	
NOx	SIP 9-9-301.3	Y		9 ppmv @ 15% O2, dry	BAAQMD 9-9-501 and BAAQMD condition #24955, part 22b	C	CEM	X	
NOx	BAAQMD Condition #24955, part 17b	N		2.5 ppmv @ 15% O2, dry, 1-hour average except during turbine startup or shutdown	BAAQMD condition #24955, part 22b	C	CEM	X	
NOx	BAAQMD Condition #24955, part 17b	N		2.5 ppmv @ 15% O2, dry, 1-hour average except during turbine startup or shutdown	BAAQMD condition #24955, part 26	P/A	Source test	X	
NOx	NSPS, 40 CFR 60.4320(a) KKKK Table I	Y		42 ppmv @ 15% O2, dry Table I	BAAQMD condition #24955, part 22b	C	CEM	X	
NOx	None	Y		None	40 CFR 75.10	C	CEM	X	

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Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
NO _x (as NO ₂)	BAAQMD condition #24955, part 9a	Y		408 lb/day and 51 lb/hr from each gas turbine during commissioning, including startup and shutdown of the gas turbine	BAAQMD condition #24955, part 6 and 22b	C	CEM	X	
NO _x (as NO ₂)	BAAQMD condition #24955, part 17 b	Y		2.5 ppmv @ 15% O ₂ , dry, 1-hour average except during turbine startup or shutdown	BAAQMD condition #24955, part 9 and 22b	C	CEM	X	
NO _x (as NO ₂)	BAAQMD condition #24955, part 17 b	Y		2.5 ppmv @ 15% O ₂ , dry, 1-hour average except during turbine startup or shutdown	BAAQMD condition #24955, part 26	P/A	Source test	X	
NO _x as NO ₂)	BAAQMD condition #24955, part 18	Y		18.5 lb/hr from each turbine during startup and/or shutdown	BAAQMD condition #24955, part 26	C	CEM	X	
NO _x (as NO ₂)	BAAQMD condition #24955, part 19a	Y		1100 lb/day from all turbines including startup and shutdown	BAAQMD condition #24955, part 22b	C	CEM	X	

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								Yes	No
NOx (as NO ₂)	BAAQMD condition #24955, part 20a	Y		45.6 tons/yr. from all turbines including startup and shutdown	BAAQMD condition #24955, part 22b	C	CEM	X	
CO	BAAQMD condition #24955, part 9a	Y		360 lb/day and 45 lb/hr from each gas turbine during commissioning, including startup and shutdown of the gas turbine	BAAQMD condition #24955, part 22b	C	CEM	X	
CO	BAAQMD condition #24955, part 9	Y		8.7 tons/yr. from each gas turbine during commissioning, including startup and shutdown of the gas turbine	BAAQMD condition #24955, part 22b	C	CEM	X	
CO	BAAQMD condition #24955, part 17d	Y		2.0 ppm @ 15% O ₂ averaged over any rolling 3-hour period except during turbine startup and shutdown	BAAQMD condition #24955, part 22b	C	CEM	X	
CO	BAAQMD condition #24955, part 17d	Y		2.0 ppm @ 15% O ₂ averaged over any rolling 3-hour period except during turbine startup and shutdown	BAAQMD condition #24955, part 26	P/A	Source Test	X	

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								Yes	No
CO	BAAQMD condition #24955, part 18	Y		17.3 lb/hr from each turbine during startup and/or shutdown	BAAQMD condition #24955, part 26	C	CEM	X	
CO	BAAQMD condition #24955, part 19b	Y		934 lb/day from all turbines combined including startup and shutdown	BAAQMD condition #24955, part 22b	C	CEM	X	
CO	BAAQMD condition #24955, part 20b	Y		27.2 tons/yr. from all turbines combined including startup and shutdown	BAAQMD condition #24955, part 22b	C	CEM	X	
CO ₂		Y		None	40 CFR 75.10	C	CEM (CO ₂) or CEM (O ₂) or fuel flow monitor	X	
SO ₂	BAAQMD 9-1-301	Y		GLC ¹ of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N		X	
SO ₂	BAAQMD 9-1-302	Y		300 ppm (dry)	BAAQMD condition #24955, part 26	P/A	Source Test	X	
SO ₂	NSPS 40 CFR 60.4330 KKKK	Y		0.90 lb of SO ₂ /MWh or 0.06 lb of SO ₂ /MMBtu	40 CFR 60.4365	N	None	X	

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								Yes	No
SO ₂	None	Y		None	40 CFR 75.11, 40 CFR 75, Appendix D, part 2.3	P/M	Fuel measurements, calculation	X	
SO ₂	BAAQMD condition #24955, part 9a	Y		10.8 lb/day for all turbines combined during commissioning including startup and shutdown of turbines	BAAQMD Condition 24955, Part 23a	P/M	Fuel sulfur analysis records & calculation	X	
SO ₂	BAAQMD condition #24955, part 17g	Y		1.347 lb/hr of SO ₂ from all turbines combined	BAAQMD Condition 24955, Part 23a	P/M	SO ₂ analysis records & calculation	X	
SO ₂	BAAQMD condition #24955, part 17g	Y		1.347 lb/hr of SO ₂ from all turbines combined	BAAQMD Condition 24955, Part 26	P/A	Source Test	X	
SO ₂	BAAQMD condition #24955, part 20e	Y		2.9 tons/yr. of SO ₂ from all turbines combined including startup and shutdown of turbines except during commissioning	BAAQMD Condition 24955, Part 26	P/A	Source Test	X	
Opacity	BAAQMD 6-1-301	N		> Ringelmann No. 1 for no more than 3 minutes in any hour		N		X	

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Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	SIP 6-301	Y		> Ringelmann No. 1 for no more than 3 minutes in any hour		N		X	
FP	BAAQMD 6-1-310	Y		0.15 grain/dscf		N		X	
FP	SIP 6-310	Y		0.15 grain/dscf		N		X	
PM ₁₀	BAAQMD condition #24955, part 20d	Y		18.6 tons/yr. from all turbines combined including startup and shutdown	BAAQMD condition #24955, part 26	P/A	Source test	X	
PM ₁₀	BAAQMD condition #24955, part 9a	Y		20 lb/day for each turbine including startup and shutdown during commissioning	BAAQMD condition #24955, part 23a	P/A	PM ₁₀ analysis records & calculation	X	
POC	BAAQMD condition #24955, part 17f	Y		0.612 lbs/hr for each turbine (does not apply during turbine startup or shutdown)	BAAQMD condition #24955, part 23a	P/A	Source Test	X	
POC	BAAQMD condition #24955, part 20c	Y		5.6 ton/calendar year for all turbines combined, including startup and shutdown	BAAQMD condition #24955, part 25	P/A	Source test and calculation	X	

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								Yes	No
NH ₃	BAAQMD condition #24955, Part 17e	N		5 ppmv @ 15% O ₂ , dry. Averaged over any rolling 3-hour rolling period average except during turbine startup or shutdown	BAAQMD condition #24955, parts 22 and 25	C	Ammonia injection + NO _x monitoring	X	
NH ₃	BAAQMD condition #24955, Part 17e	N		5 ppmv @ 15% O ₂ , dry, except during turbine startup or shutdown	BAAQMD condition #24955, part 25	P/A	Source test	X	
Heat input limit	BAAQMD condition #24955, part 12	Y		500 MM BTU/hr (HHV)	BAAQMD condition #24955, part 22f	C	Records & Calculation	X	
Heat input limit	BAAQMD condition #24955, part 13	Y		12,000 MM BTU/day (HHV)	BAAQMD condition #24955, part 22g	C	Records & Calculation	X	
Stack gas flow	N/A			None	BAAQMD condition #24955, part 26	P/A	Source test every 8,000 hrs. or every 3 yrs., whichever comes first	X	
NH ₃ injection rate	N/A			None	BAAQMD condition #24955, part 25	P/A	Source test	X	
Formaldehyde	BAAQMD condition #24955 part 21	N		3725.26 pounds/year for all turbines combined	BAAQMD condition 24955 part 21	P Startup and biennial thereafter	Source Test	X	

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								Yes	No
Specified PAH's	BAAQMD condition #24955 part 21	N		1.063 pounds/year for all turbines combined	BAAQMD condition #24955 part 21	P Startup and biennial thereafter	Source Test	X	
Sulfuric Acid Mist	BAAQMD condition #24955 part 31	Y		7 tons/yr. for all turbines combined	BAAQMD condition #24955 part 30	P/A	Source Test	X	
Start-up Period	BAAQMD condition #24955, part 18			30 minutes per start-up	BAAQMD condition #20057, part 22	P/E	Records	X	
Shut-down Period	BAAQMD condition #24955, part 15			15 minutes per shutdown	BAAQMD condition #24955, part 22	P/E	Records	X	

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S-6 DIESEL FIREWATER PUMP

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
SO2	BAAQMD 9-1-301	N		GLC ¹ of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N		X	
	BAAQMD 9-1-304	Y		Sulfur content of fuel <0.5% by weight		N		X	
Opacity	SIP Regulation 6-302	Y		< Ringelmann No 2 for more than 3 min/hr		N		X	
Opacity	BAAQMD Regulation 6-1-302	N		< Ringelmann No. 2 for more than 3 min/hr		N		X	
FP	SIP 6-310	Y		0.15 grain/dscf		N		X	
FP	BAAQMD 6-1-310	N		0.15 grain/dscf		N		X	
Hours of operation	BAAQMD 9-8-330.1, BAAQMD Condition #22850, Part 1	Y		Emergency use for an unlimited number of hours	BAAQMD 9-8-530 BAAQMD Condition #22850, Part 3	C P/E	Hour meter, record-keeping	X	
Hours of operation	BAAQMD 9-8-330.2, BAAQMD Condition #22850, Part 1	Y		Reliability-related activities not to exceed 50 hours in any consecutive 12-month period	BAAQMD 9-8-530 BAAQMD Condition #22850, Part 3	C P/E	Hour meter, record-keeping	X	