

**DOCKETED**

<b>Docket Number:</b>	09-AFC-03C
<b>Project Title:</b>	MARIPOSA ENERGY PROJECT - Compliance
<b>TN #:</b>	229084
<b>Document Title:</b>	2019 Second Quarter Quarterly Operation Report
<b>Description:</b>	Quarterly Operation Report
<b>Filer:</b>	Anwar Ali
<b>Organization:</b>	Mariposa Energy LLC
<b>Submitter Role:</b>	Applicant
<b>Submission Date:</b>	7/25/2019 10:05:36 AM
<b>Docketed Date:</b>	7/25/2019



# Mariposa Energy, LLC

4387 Bruns Road, Byron, CA 94514

Tel: (209) 830-1401

July 15, 2019

Anwar Ali  
Compliance Project Manager  
California Energy Commission  
Siting, Transmission, & Environmental Protection (“STEP”) Division  
1516 Ninth Street, MS-2000  
Sacramento, CA 95814

Reference: Mariposa Energy, LLC (09-AFC-3C) Compliance with Air Quality Conditions of Certification (CEC #G1015)

Subject: CEC Condition of Certification AQ-SC8:  
Quarterly Compliance Report for Quarter-Ending June 30, 2019

Dear Mr. Ali,

To demonstrate ongoing compliance with the California Energy Commission (“CEC”) and Bay Area Air Quality Management District (“BAAQMD”) regulations listed below, Mariposa Energy, LLC (previously Mariposa Energy Project) is submitting its Quarterly Compliance Report (“QCR”) including Attachment 1, “Compliance Summary”, for quarter-ending June 30, 2019. A copy of the report is also being sent to the BAAQMD as required.

- CEC - Mariposa Energy Project “Commission Decision”, (Docket No. 09-AFC-3) – Cond. AQ-SC8.
- BAAQMD - Permit to Operate, Plant #19730, Condition #24955, Part 33.

The QCR contains the following attachments:

Attachment 1: Compliance Summary: Table identifying each condition relevant to the QCR, operational limits, compliance status (including supporting data), and reference location within the QCR.

Attachment 2: Condition AQ-11 Monthly Natural Gas Fuel Analyses: Monthly analytical results for natural gas analysis to demonstrate compliance with the natural gas sulfur content limit, as required by AQ-11.

Attachment 3: Condition AQ-12/13 Heat Input Limits: 1-hr & Daily Maximums for all CTGs Report: Report demonstrating compliance with maximum 1-hr heat input and daily total heat input for combustion turbine generator (CTG) Unit 600 (S-1), Unit 700 (S-2), Unit 800 (S-3), and Unit 900 (S-4).

**Attachment 13**

**Condition AQ-20 Cumulative Rolling 12-Month  
CTG Emissions: NO<sub>x</sub>, CO, POC, PM<sub>10</sub>, SO<sub>2</sub>  
Emissions Report**

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**AQ-20: Cumulative Rolling 12-month Combined CTG Emissions: NOx, CO, POC, PM10, SO2 (Attachment 13)**

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**Unit Name:** Mariposa Facility

DATE/TIME	NOx Tons Limit 45.6	CO Tons Limit 27.2	POC Tons Limit 5.6	PM10 Tons Limit 18.6	SO2 Tons Limit 2.9
04/2019	7.3	2.2	0.1	0.6	0.2
05/2019	7.1	2.2	0.1	0.5	0.2
06/2019	7.0	2.2	0.1	0.6	0.2
<b>Maximum:</b>	7.3	2.2	0.1	0.6	0.2
<b>Minimum:</b>	7.0	2.2	0.1	0.5	0.2

**Attachment 14**

**Condition AQ-31 Sulfuric Acid  
Emissions Report**

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**AQ-31: Facility SAM 12-Month Tons Limit (Attachment 14)**

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**Unit Name:** Mariposa Facility

DATE/TIME	S-1:Unit 600 SAM Tons	S-2:Unit 700 SAM Tons	S-3:Unit 800 SAM Tons	S-4 Unit 900 SAM Tons	Facility SAM Tons Limit 7
04/2019	0.87	0.87	0.91	0.88	3.52
05/2019	0.84	0.85	0.87	0.85	3.41
06/2019	0.83	0.84	0.87	0.84	3.39
<b>Maximum:</b>	0.87	0.87	0.91	0.88	3.52
<b>Minimum:</b>	0.83	0.84	0.87	0.84	3.39

**Attachment 15**

**Condition AQ-35 Timely Notification  
of Permit Condition Violations Report**

### **Condition AQ-35: Timely Notification of Permit Condition Violations Report**

Permit Condition 24955, part 35 (AQ-35) states:

*The owner/operator of the MEP shall notify the District and the CEC CPM of any violations of these permit conditions. Notification shall be submitted in a timely manner, in accordance with all applicable District Rules, Regulations, and the Manual of Procedures. Notwithstanding the notification and reporting requirements given in any District Rule, Regulation, or the Manual of Procedures, the owner/operator shall submit written notification (facsimile is acceptable) to the Enforcement Division within 96 hours of the violation of any permit condition.*

On January 6, 2013, the ammonia injection skid control panel on S-2 (Unit 700) lost normal power. The Unit was immediately shutdown, but the emissions of NO<sub>x</sub> on shutdown exceeded the limit of 3.2 lb NO<sub>x</sub>/shutdown (Condition 24955, part 18). This incident was immediately reported to the BAAQMD in an initial report as well as the subsequent 30-Day Follow-Up report, attached as Reportable Compliance Activity (RCA) #06J31 (CEM RCA 06J32).

On February 12, 2013, during annual source and RATA testing of S-2 (Unit 700) the plant operator received a low temperature alarm for the ammonia injection grid. This caused the control system logic to immediately close the ammonia control valve, discontinuing ammonia injection for a short period of time. The ammonia injection skid control panel on Unit 700 lost normal power. This resulted in an exceedance of the hourly NO<sub>x</sub> limit of 4.4 lb/hr (Condition 24955, part 17a), an exceedance of the hourly average NO<sub>x</sub> concentration limit of 2.5 lb/hr (Condition 24955, part 17b), and an exceedance of the NO<sub>x</sub> limit if 3.2 lb/shutdown (Condition 24955, part 18). This incident was immediately reported to the BAAQMD in an initial report as well as the subsequent 30-Day Follow-Up report, attached as Reportable Compliance Activity (RCA) #06J67 (CEM RCA 06J68, 06J70 and 06J72).



**Attachment 16**

**Condition AQ-38: 40 CFR Part 72.9(c)(1) SO<sub>2</sub> Allowances  
and 40 CFR Part 75 CEM Requirements Report**



# Mariposa Energy, LLC

July 15, 2019

Environmental Protection Division  
California Energy Commission  
1516 Ninth Street, MS 40  
Sacramento, CA 95814-5512

Technical Services Division  
Bay Area Air Quality Management District  
373 Beale Street, Suite 600  
San Francisco, CA 94105

Subject: Mariposa Energy, LLC: Monthly CEMS Report for June 2019

To Whom It May Concern:

In accordance with California Energy Commission (CEC) and Bay Area Air Quality Management District (BAAQMD) regulations listed below, Mariposa Energy, LLC (BAAQMD Plant #19730) is submitting its Monthly "Continuous Emission Monitoring System" (CEMS) Report and BAAQMD Negative Declaration Page along with the supporting documentation for June 2019.

- CEC Mariposa Energy Project "Commission Decision", (Docket No. 09 AFC-3) – Cond. AQ-33;
- BAAQMD Regulation 1, Section 522.8;
- BAAQMD Authority to Construct (ATC) Permit Application #20737;
- BAAQMD Permit to Operate (PTO) Condition #24955, Part 33.

If you have any questions regarding this submittal, please contact Wayne Forsyth by email at [w.forsyth@dgc-us.com](mailto:w.forsyth@dgc-us.com) or phone (213) 473-0093.

Sincerely,

Wayne Forsyth – Program Manager, EHS & Regulatory  
Mariposa Energy, LLC  
633 West Fifth Street, Suite 7700  
Los Angeles, California 90071

BAY AREA  
AIR QUALITY MANAGEMENT DISTRICT

MONTHLY CONTINUOUS EMISSION MONITORING REPORT

COMPANY MARIPOSA ENERGY, LLC

SOURCE CTG-1, 2, 3, 4 (S-1, 2, 3, 4)

PLANT NO 19730

POLLUTANT NO<sub>x</sub> and CO

MONTH Jun-19

DILUENT O<sub>2</sub>

II. STATEMENT OF EXCESS EMISSIONS\* (Negative Declaration required)

DATE	TIME	DURATION	MAGNITUDE	REMARKS
There were no excess emissions of NO <sub>x</sub> or CO from any of the combustion turbine generator sources (S-1, S-2, S-3, or S-4) during the month of June 2019.				

III. MONITOR MALFUNCTION

DATE	TIME	DURATION	PROBLEM/CORRECTIVE ACTION
There were no monitor malfunctions on any of the combustion turbine generator sources (S-1, S-2, S-3 or S-4) during the month of June 2019.			

  
 \_\_\_\_\_  
 Signature

7-15-19  
 \_\_\_\_\_  
 Date

**MARIPOSA ENERGY, LLC.**  
**Application Number: 20737**  
**Plant Number: 19730**  
**Permit Condition Number: 24955**

**Monthly CEMS Report**  
**Report Period:**  
**From: 06/01/2019 to 06/31/2019**

MARIPOSA ENERGY, LLC.  
Application Number: 20737  
Plant Number: 19730  
Permit Condition Number: 24955

Monthly CEMS Report  
Report Period: From: 06/01/2019 to 06/31/2019

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A. SOURCE INFORMATION

1. COMPANY: Mariposa Energy, I.L.C.  
4887 Bruns Road  
Byron, CA 94514

2. POLLUTANT MONITORED AND APPLICABLE EMISSION LIMITS

NO<sub>x</sub>: 4.4 lbs/hour per turbine unit  
2.5 ppmv, dry, corrected to 15% oxygen, 1-hour average

CO: 2.14 lbs/hour per turbine unit  
2.0 ppmv, dry, corrected to 15% oxygen, averaged over any rolling 3-hour period

3. PROCESS UNIT(S) DESCRIPTION

Four natural gas-fired combustion turbine generators identified as Unit 600, 700, 800 and 900  
Each turbine unit includes water injection system, oxidation catalyst, ammonia injection system, selective catalytic reduction (SCR) system.

4. TOTAL SOURCE OPERATING TIME FROM 06/01/2019 to 06/31/2019

[See *Operating Time Hour* report on following page for each of the four units]

Monthly Report - Operating Time

Unit Name: Marposa Facility

Report Start Date/Time: Sat 06/01/2019 0:00

Report End Date/Time: Sun 06/30/2019 23:59

DATE/TIME	Operating Time-500	Operating Time-700	Operating Time-800	Operating Time-900				
06/01/2019 0:00	2:12	2:12	2:12	2:12				
06/02/2019 0:00	Down	Down	Down	Down				
06/03/2019 0:00	2:17	2:17	2:17	0:72				
06/04/2019 0:00	2:47	2:47	2:47	2:47				
06/05/2019 0:00	2:03	2:03	2:03	2:03				
06/06/2019 0:00	2:20	2:20	2:20	2:20				
06/07/2019 0:00	Down	Down	Down	Down				
06/08/2019 0:00	3:18	3:20	3:20	3:20				
06/09/2019 0:00	4:40	4:40	4:40	4:40				
06/10/2019 0:00	3:03	3:03	3:03	3:07				
06/11/2019 0:00	11:05	11:05	11:05	11:05				
06/12/2019 0:00	9:05	9:05	9:05	9:05				
06/13/2019 0:00	2:00	2:00	2:00	2:00				
06/14/2019 0:00	Down	Down	Down	Down				
06/15/2019 0:00	Down	Down	Down	Down				
06/16/2019 0:00	Down	Down	Down	Down				
06/17/2019 0:00	3:37	3:38	3:38	3:38				
06/18/2019 0:00	1:17	1:17	1:15	1:15				
06/19/2019 0:00	Down	Down	Down	Down				
06/20/2019 0:00	6:73	3:88	6:53	4:02				
06/21/2019 0:00	Down	Down	Down	Down				
06/22/2019 0:00	3:22	3:22	3:23	3:73				
06/23/2019 0:00	2:03	2:03	2:03	2:03				
06/24/2019 0:00	2:30	2:32	2:32	2:32				
06/25/2019 0:00	Down	Down	Down	Down				
06/26/2019 0:00	Down	Down	Down	Down				
06/27/2019 0:00	Down	Down	Down	Down				
06/28/2019 0:00	Down	Down	Down	Down				
06/29/2019 0:00	Down	Down	Down	Down				
06/30/2019 0:00	1:22	1:22	Down	Down				
<b>Total</b>	<b>67:52</b>	<b>65:03</b>	<b>66:50</b>	<b>62:07</b>				
<b>Average</b>	<b>3:75</b>	<b>3:01</b>	<b>3:01</b>	<b>3:71</b>				
<b>Maximum</b>	<b>11:05</b>	<b>11:05</b>	<b>11:05</b>	<b>11:05</b>				
<b>Minimum</b>	<b>1:17</b>	<b>1:17</b>	<b>1:15</b>	<b>0:72</b>				

**B. CEMS UNIT INFORMATION**

**1. MONITORING MANUFACTURER**

Unit	Analyzer	Brand	Model Name	Model Number
600	NO <sub>x</sub>	HORIBA	CMA-EC642L2	P4RVKFUW
600	CO	HORIBA	CMA-EC642L2	P4RVKFUW
600	O <sub>2</sub>	HORIBA	CMA-EC642L2	P4RVKFUW
700	NO <sub>x</sub>	HORIBA	CMA-EC642L2	V01HV5RV
700	CO	HORIBA	CMA-EC642L2	V01HV5RV
700	O <sub>2</sub>	HORIBA	CMA-EC642L2	V01HV5RV
800	NO <sub>x</sub>	HORIBA	CMA-EC642L2	WH0B4BF6
800	CO	HORIBA	CMA-EC642L2	WH0B4BF6
800	O <sub>2</sub>	HORIBA	CMA-EC642L2	WH0B4BF6
900	NO <sub>x</sub>	HORIBA	CMA-EC642L2	P4RVKFUW
900	CO	HORIBA	CMA-EC642L2	P4RVKFUW
900	O <sub>2</sub>	HORIBA	CMA-EC642L2	P4RVKFUW

**2. DATE OF LAST CEMS CERTIFICATION OR AUDIT**

Unit 600 (S-1) RATA	Unit 700 (S-2) RATA	Unit 800 (S-3) RATA	Unit 900 (S-4) RATA
02/05/2019	02/06/2019	02/07/2019	02/08/2019
Unit 600 (S-1) CGA	Unit 700 (S-2) CGA	Unit 800 (S-3) CGA	Unit 900 (S-4) CGA
05/28/2019	05/28/2019	05/29/2019	05/29/2019
Unit 600 (S-1) Linearity	Unit 700 (S-2) Linearity	Unit 800 (S-3) Linearity	Unit 900 (S-4) Linearity
12/6/2018	12/6/2018	12/7/2018	12/7/2018



C. DAILY EMISSION SUMMARY DURING: 06/01/2019 to 06/31/2019

AQ-17a/b/c/d/e/f/g: Normal Operating Emissions

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Unit Name: Manposa Unit 600

Report Start Date/Time: Sat 06/01/2019 0:00

Report End Date/Time: Sun 06/30/2019 23:59

DATE/TIME	Max 1-Hour NOx Lbs/Hr Limit 4.4	Max 1-Hour NOx@15%O2 Limit 2.5	Max 1-Hour CO Lbs/Hr Limit 2.14	Max 3-Hour CO@15%O2 Limit 2.0	Max 3-Hour NH3@15%O2 Limit 5	Max 1 Hour POC Lbs/Hr Limit 0.612	Max 1-Hour SO2 Lbs/Hr Limit 1.347
06/01/2019 0:00	1.6	1.6	0.93	0.7	0	0.016	0.159
06/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/03/2019 0:00	2.2	1.6	1.27	0.7	1	0.024	0.237
06/04/2019 0:00	1.8	1.8	0.60	0.5	0	0.016	0.161
06/05/2019 0:00	0.6	0.6	1.08	1.0	1	0.017	0.172
06/06/2019 0:00	0.3	0.4	0.46	0.7	0	0.016	0.159
06/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/08/2019 0:00	1.9	2.0	0.90	1.2	0	0.016	0.161
06/09/2019 0:00	2.0	2.0	1.07	1.6	0	0.017	0.167
06/10/2019 0:00	3.2	2.0	1.54	1.5	2	0.027	0.266
06/11/2019 0:00	3.4	2.0	1.86	1.8	3	0.028	0.276
06/12/2019 0:00	2.0	1.9	1.12	1.5	1	0.020	0.195
06/13/2019 0:00	1.4	1.5	0.79	0.5	0	0.015	0.155
06/14/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/15/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/17/2019 0:00	1.7	1.7	0.97	0.9	0	0.016	0.164
06/18/2019 0:00	0.2	0.5	0.11	0.2	0	0.012	0.119
06/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/20/2019 0:00	3.0	1.8	1.53	1.5	2	0.027	0.266
06/21/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/22/2019 0:00	0.7	0.7	1.15	1.5	1	0.017	0.167
06/23/2019 0:00	0.4	0.4	1.13	1.0	1	0.017	0.168
06/24/2019 0:00	0.3	0.5	0.56	0.6	0	0.012	0.117
06/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/27/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/30/2019 0:00	0.3	0.7	0.17	0.2	0	0.013	0.131

Total							
Average	1.5	1.3	0.96	1.0	1	0.018	0.180
Maximum	3.4	2.0	1.88	1.8	3	0.028	0.276
Minimum	0.2	0.4	0.11	0.2	0	0.012	0.117

**AQ-17a/b/c/d/e/f/g: Normal Operating Emissions**

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**Unit Name:** Mariposa Unit 700

**Report Start Date/Time:** Sat 06/01/2019 0:00

**Report End Date/Time:** Sun 06/30/2019 23:59

DATE/TIME	Max 1-Hour NOx Lbs/Hr Limit 4.4	Max 1-Hour NO <sub>x</sub> @15%O <sub>2</sub> Limit 2.5	Max 1-Hour CO Lbs/Hr Limit 2.14	Max 3-Hour CO@15%O <sub>2</sub> Limit 2.0	Max 3-Hour NH <sub>3</sub> @15%O <sub>2</sub> Limit 5	Max 1-Hour POC Lbs/Hr Limit 0.612	Max 1-Hour SO <sub>2</sub> Lbs/Hr Limit 1.347	
06/01/2019 0:00	1.5	1.6	0.90	0.7	0	0.018	0.105	
06/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
06/03/2019 0:00	2.0	1.5	1.33	0.7	1	0.028	0.158	
06/04/2019 0:00	1.8	1.8	0.37	0.3	0	0.019	0.107	
06/05/2019 0:00	0.7	0.6	0.12	0.1	1	0.025	0.141	
06/06/2019 0:00	0.4	0.6	0.19	0.2	0	0.018	0.105	
06/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
06/08/2019 0:00	1.9	1.9	0.90	1.2	0	0.019	0.107	
06/09/2019 0:00	2.0	1.8	1.46	1.6	2	0.031	0.177	
06/10/2019 0:00	2.6	1.8	1.53	1.1	2	0.030	0.174	
06/11/2019 0:00	3.3	2.0	1.85	1.8	3	0.032	0.181	
06/12/2019 0:00	2.0	1.9	1.06	1.7	1	0.023	0.130	
06/13/2019 0:00	1.7	1.7	0.87	0.6	0	0.018	0.109	
06/14/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
06/15/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
06/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
06/17/2019 0:00	1.6	1.6	0.87	0.9	0	0.019	0.109	
06/18/2019 0:00	0.2	0.4	0.13	0.2	0	0.015	0.085	
06/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
06/20/2019 0:00	1.9	1.9	1.00	1.5	1	0.021	0.119	
06/21/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
06/22/2019 0:00	0.6	0.6	0.98	1.2	1	0.019	0.111	
06/23/2019 0:00	0.4	0.4	0.79	0.7	1	0.020	0.115	
06/24/2019 0:00	0.6	0.7	0.79	0.7	0	0.016	0.092	
06/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
06/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
06/27/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
06/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
06/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
06/30/2019 0:00	0.2	0.6	0.13	0.2	0	0.015	0.085	
<b>Total</b>								
<b>Average</b>	1.4	1.3	0.85	0.8	1	0.021	0.123	
<b>Maximum</b>	3.3	2.0	1.85	1.8	3	0.032	0.181	
<b>Minimum</b>	0.2	0.4	0.12	0.1	0	0.015	0.085	

**AQ-17a/b/c/d/e/f/g: Normal Operating Emissions**

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Unit Name: Manposa Unit 800

Report Start Date/Time: Sat 06/01/2019 0:00

Report End Date/Time: Sun 06/30/2019 23:59

DATE/TIME	Max 1-Hour NOx Lbs/Hr Limit 4.4	Max 1-Hour NOx@15%O2 Limit 2.5	Max 1-Hour CO Lbs/Hr Limit 2.14	Max 3-Hour CO@15%O2 Limit 2.0	Max 3-Hour NH3@15%O2 Limit 5	Max 1-Hour POC Lbs/Hr Limit 0.612	Max 1-Hour SO2 Lbs/Hr Limit 1.347
06/01/2019 0:00	1.6	1.7	0.90	0.7	0	0.026	0.131
06/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/03/2019 0:00	2.0	1.4	1.32	0.7	1	0.039	0.197
06/04/2019 0:00	1.5	1.6	0.73	0.6	1	0.027	0.134
06/05/2019 0:00	0.7	0.7	0.63	0.6	2	0.029	0.144
06/06/2019 0:00	0.4	0.6	0.31	0.5	1	0.027	0.133
06/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/08/2019 0:00	1.9	1.9	0.89	1.2	1	0.027	0.135
06/09/2019 0:00	2.0	1.9	0.97	1.5	1	0.028	0.140
06/10/2019 0:00	3.0	1.8	1.37	1.1	2	0.044	0.222
06/11/2019 0:00	3.4	2.0	1.89	1.8	2	0.046	0.230
06/12/2019 0:00	2.0	1.9	1.05	1.6	1	0.032	0.161
06/13/2019 0:00	1.6	1.6	0.87	0.7	0	0.028	0.141
06/14/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/15/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/17/2019 0:00	1.8	1.9	0.80	0.9	0	0.026	0.132
06/18/2019 0:00	0.2	0.5	0.12	0.2	0	0.021	0.105
06/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/20/2019 0:00	2.7	1.7	1.33	1.4	2	0.043	0.214
06/21/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/22/2019 0:00	0.8	0.8	1.14	1.4	1	0.028	0.140
06/23/2019 0:00	0.4	0.4	1.10	1.0	2	0.028	0.141
06/24/2019 0:00	0.4	0.6	0.49	0.5	0	0.020	0.102
06/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/27/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/30/2019 0:00	Down	Down	Down	Down	Down	Down	Down

Total							
Average	1.6	1.3	0.94	1.0	1	0.031	0.153
Maximum	3.4	2.0	1.89	1.8	2	0.046	0.230
Minimum	0.2	0.4	0.12	0.2	0	0.020	0.102

**AQ-17a/b/c/d/e/f/g: Normal Operating Emissions**

7/2/2019 10:28:14 PM

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Unit Name: Manposa Unit 900

Report Start Date/Time: Sat 06/01/2019 0:00

Report End Date/Time: Sun 06/30/2019 23:59

DATE/TIME	Max 1-Hour NOx Lbs/Hr Limit 4.4	Max 1 Hour NOx@15%O2 Limit 2.5	Max 1-Hour CO Lbs/Hr Limit 2.14	Max 3-Hour CO@15%O2 Limit 2.0	Max 3-Hour NH3@15%O2 Limit 5	Max 1-Hour POC Lbs/Hr Limit 0.612	Max 1 Hour SO2 Lbs/Hr Limit 1.347
06/01/2019 0:00	1.7	1.7	0.95	0.7	0	0.016	0.050
06/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/03/2019 0:00	0.0	0.0	0.00	0.0	0	0.007	0.034
06/04/2019 0:00	1.9	1.9	0.07	0.3	1	0.016	0.081
06/05/2019 0:00	1.6	1.5	0.31	0.3	2	0.022	0.109
06/06/2019 0:00	0.8	1.1	0.15	0.2	1	0.015	0.080
06/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/08/2019 0:00	1.9	1.9	0.93	1.0	1	0.018	0.088
06/09/2019 0:00	3.0	1.8	1.62	1.7	2	0.027	0.131
06/10/2019 0:00	3.2	1.9	1.55	1.2	3	0.026	0.132
06/11/2019 0:00	3.3	2.0	1.76	1.7	3	0.027	0.137
06/12/2019 0:00	2.0	1.9	1.12	1.7	2	0.020	0.099
06/13/2019 0:00	1.6	1.6	0.85	0.6	1	0.017	0.084
06/14/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/15/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/17/2019 0:00	1.8	1.8	0.94	0.9	1	0.016	0.082
06/18/2019 0:00	0.2	0.5	0.11	0.2	0	0.012	0.061
06/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/20/2019 0:00	3.1	2.2	1.45	1.5	2	0.026	0.129
06/21/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/22/2019 0:00	1.4	1.4	1.07	1.3	1	0.017	0.065
06/23/2019 0:00	0.7	0.8	0.90	0.8	2	0.017	0.084
06/24/2019 0:00	0.5	0.6	0.63	0.6	1	0.012	0.062
06/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/27/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down
06/30/2019 0:00	Down	Down	Down	Down	Down	Down	Down
<b>Total</b>							
<b>Average</b>	1.7	1.5	0.85	0.8	1	0.018	0.092
<b>Maximum</b>	3.3	2.2	1.76	1.7	3	0.027	0.137
<b>Minimum</b>	0.0	0.0	0.00	0.0	0	0.007	0.034

D. EXCESS EMISSIONS SUMMARY FOR NO.

Unit 600 for the period: 06/01/2019 to 06/31/2019

Duration of Excess Emissions in Reporting Period Due To:	
Startup/Shutdown	0
Control Equipment Problems	0
Process Problems	0
Other Known Causes	0
Unknown Causes	0
Total Duration of Excess Emissions	0
Total Duration of Excess Emissions (percent of operating time)	0%

Unit 700 for the period: 06/01/2019 to 06/31/2019

Duration of Excess Emissions in Reporting Period Due To:	
Startup/Shutdown	0
Control Equipment Problems	0
Process Problems	0
Other Known Causes	0
Unknown Causes	0
Total Duration of Excess Emissions	0
Total Duration of Excess Emissions (percent of operating time)	0%

Unit 800 for the period: 06/01/2019 to 06/31/2019

Duration of Excess Emissions in Reporting Period Due To:	
Startup/Shutdown	0
Control Equipment Problems	0
Process Problems	0
Other Known Causes	0
Unknown Causes	0
Total Duration of Excess Emissions	0
Total Duration of Excess Emissions (percent of operating time)	0%

Unit 900 for the period: 06/01/2019 to 06/31/2019

Duration of Excess Emissions in Reporting Period Due To:	
Startup/Shutdown	0
Control Equipment Problems	0
Process Problems	0
Other Known Causes	0
Unknown Causes	0
Total Duration of Excess Emissions	0
Total Duration of Excess Emissions (percent of operating time)	0%

E. EXCESS EMISSIONS SUMMARY FOR CO

Unit 600 for the period 06/01/2019 to 06/31/2019

Duration of Excess Emissions in Reporting Period Due To:	
Startup/Shutdown	0
Control Equipment Problems	0
Process Problems	0
Other Known Causes	0
Unknown Causes	0
<b>Total Duration of Excess Emissions</b>	<b>0</b>
<b>Total Duration of Excess Emissions (percent of operating time)</b>	<b>0%</b>

Unit 700 for the period: 06/01/2019 to 06/31/2019

Duration of Excess Emissions in Reporting Period Due To:	
Startup/Shutdown	0
Control Equipment Problems	0
Process Problems	0
Other Known Causes	0
Unknown Causes	0
<b>Total Duration of Excess Emissions</b>	<b>0</b>
<b>Total Duration of Excess Emissions (percent of operating time)</b>	<b>0%</b>

Unit 800 for the period: 06/01/2019 to 06/31/2019

Duration of Excess Emissions in Reporting Period Due To:	
Startup/Shutdown	0
Control Equipment Problems	0
Process Problems	0
Other Known Causes	0
Unknown Causes	0
<b>Total Duration of Excess Emissions</b>	<b>0</b>
<b>Total Duration of Excess Emissions (percent of operating time)</b>	<b>0%</b>

Unit 900 for the period: 06/01/2019 to 06/31/2019

Duration of Excess Emissions in Reporting Period Due To:	
Startup/Shutdown	0
Control Equipment Problems	0
Process Problems	0
Other Known Causes	0
Unknown Causes	0
<b>Total Duration of Excess Emissions</b>	<b>0</b>
<b>Total Duration of Excess Emissions (percent of operating time)</b>	<b>0%</b>

F. NO. CEMS DOWNTIME SUMMARY

Unit 600 for the period: 06/01/2019 to 06/31/2019

Source : Manposa Unit 600 Report Start Date/Time : Sat 06/01/2019 0:00  
 CMS Parameter : NOx Report End Date/Time : Sun 06/30/2019 23:59

OPERATING DATA SUMMARY

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	88.00
Total Source Operating Time (Total Operating Minutes/60)	67.52

CMS PERFORMANCE SUMMARY

CMS Downtime in reporting period due to	Hours
a. Monitor Equipment Malfunctions	0.00
b. Non Monitor Equipment Malfunctions	0.00
c. Quality Assurance/Calibration	0.00
d. Other Known Causes	0.00
e. Unknown Causes	0.00
Total CMS Downtime (Hours)	0.00
Total CMS Downtime (as % of Operating Hours)	0.00%
Total CMS Availability (as % of Operating Hours)	100.00%
Total CMS Availability (as % of 6-Month Operating Hours)	99.56%

CMS DOWNTIME EVENT SUMMARY

Event Start Date/Time	Category	Type	Downtime Description	Duration H: M: S
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Unit 700 for the period: 06/01/2019 to 06/31/2019

Source : Manposa Unit 700 Report Start Date/Time : Sat 06/01/2019 0:00  
 CMS Parameter : NOx Report End Date/Time : Sun 06/30/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	85 00
Total Source Operating Time (Total Operating Minutes 60)	65 03

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0 00
b. Non Monitor Equipment Malfunctions	0 00
c. Quality Assurance/Calibration	0 00
d. Other Known Causes	0 00
e. Unknown Causes	0 00
Total CMS Downtime (Hours)	0 00
Total CMS Downtime (as % of Operating Hours)	0.00%
Total CMS Availability (as % of Operating Hours)	100.00%
Total CMS Availability (as % of 6-Month Operating Hours)	100.00%

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr Min
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Unit 800 for the period: 06/01/2019 to 06/31/2019

Source : Mariposa Unit 800 Report Start Date/Time : Sat 06/01/2019 0:00  
 CMS Parameter NOx Report End Date/Time : Sun 06/30/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	87.00
Total Source Operating Time (Total Operating Minutes/60)	66.50

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0.00
b. Non-Monitor Equipment Malfunctions	0.00
c. Quality Assurance Calibration	0.00
d. Other Known Causes	0.00
e. Unknown Causes	0.00
Total CMS Downtime (Hours)	0.00
Total CMS Downtime (as % of Operating Hours)	0.00%
Total CMS Availability (as % of Operating Hours)	100.00%
Total CMS Availability (as % of 6-Month Operating Hours)	99.61%

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration H:Min
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Unit 900 for the period: 06/01/2019 to 06/31/2019

Source : Mariposa Unit 900 Report Start Date/Time : Sat 06/01/2019 0:00  
 CMS Parameter : NOx Report End Date/Time : Sun 06/30/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	83.00
Total Source Operating Time (Total Operating Minutes/60)	63.07

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0.00
b. Non Monitor Equipment Malfunctions	0.00
c. Quality Assurance/Calibration	0.00
d. Other Known Causes	0.00
e. Unknown Causes	0.00
Total CMS Downtime (Hours)	0.00
Total CMS Downtime (as % of Operating Hours)	0.00%
Total CMS Availability (as % of Operating Hours)	100.00%
Total CMS Availability (as % of 6-Month Operating Hours)	99.61%

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr. Min.
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G. CO CEMS DOWNTIME SUMMARY

Unit 600 for the period: 06/01/2019 to 06/31/2019

Source : Mariposa Unit 600 Report Start Date/Time : Sat 06/01/2019 0:00  
 CMS Parameter : CO Report End Date/Time : Sun 06/30/2019 23:59

OPERATING DATA SUMMARY

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	08:00
Total Source Operating Time (Total Operating Minutes/60)	67:52

CMS PERFORMANCE SUMMARY

CMS Downtime in reporting period due to	Hours
a. Monitor Equipment Malfunctions	0:00
b. Non-Monitor Equipment Malfunctions	0:00
c. Quality Assurance/Calibration	0:00
d. Other Known Causes	0:00
e. Unknown Causes	0:00
Total CMS Downtime (Hours)	0:00
Total CMS Downtime (as % of Operating Hours)	0.00%
Total CMS Availability (as % of Operating Hours)	100.00%
Total CMS Availability (as % of 6-Month Operating Hours)	99.58%

CMS DOWNTIME EVENT SUMMARY

Event Start Date/Time	Category	Type	Downtime Description	Duration H: Mm
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Unit 700 for the period: 06/01/2019 to 06/31/2019

Source : Mariposa Unit 700 Report Start Date/Time : Sat 06/01/2019 0:00  
 CMS Parameter : CO Report End Date/Time : Sun 06/30/2019 23:59

OPERATING DATA SUMMARY

	Hours
Total Source Operating Hours (includes partial Operating Hours)	85.00
Total Source Operating Time (Total Operating Minutes/60)	65.03

CMS PERFORMANCE SUMMARY

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0.00
b. Non-Monitor Equipment Malfunctions	0.00
c. Quality Assurance/Calibration	0.00
d. Other Known Causes	0.00
e. Unknown Causes	0.00
Total CMS Downtime (Hours)	0.00
Total CMS Downtime (as % of Operating Hours)	0.00%
Total CMS Availability (as % of Operating Hours)	100.00%
Total CMS Availability (as % of 6-Month Operating Hours)	100.00%

CMS DOWNTIME EVENT SUMMARY

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr. Min.
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Unit 800 for the period: 06/01/2019 to 06/31/2019

Source : Mariposa Unit 800 Report Start Date/Time : Sat 06/01/2019 0:00  
 CMS Parameter : CO Report End Date/Time : Sun 06/30/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	87.00
Total Source Operating Time (Total Operating Minutes 60)	66.50

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0.00
b. Non-Monitor Equipment Malfunctions	0.00
c. Quality Assurance/Calibration	0.00
d. Other Known Causes	0.00
e. Unknown Causes	0.00
Total CMS Downtime (Hours)	0.00
Total CMS Downtime (as % of Operating Hours)	0.00%
Total CMS Availability (as % of Operating Hours)	100.00%
Total CMS Availability (as % of 6-Month Operating Hours)	99.61%

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr. Min
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Unit 900 for the period: 06/01/2019 to 06/31/2019

Source : Mariposa Unit 900 Report Start Date/Time : Sat 06/01/2019 0:00  
 CMS Parameter : CO Report End Date/Time : Sun 06/30/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	83.00
Total Source Fixing Time (Total Operating Minutes / 60)	63.57

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0.00
b. Non Monitor Equipment Malfunctions	0.00
c. Quality Assurance-Calibration	0.00
d. Other Known Causes	0.00
e. Unknown Causes	0.00
Total CMS Downtime (Hours)	0.00
Total CMS Downtime (as % of Operating Hours)	0.00%
Total CMS Availability (as % of Operating Hours)	100.00%
Total CMS Availability (as % of 6-Month Operating Hours)	99.61%

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration H Min
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11. O: CEMS DOWNTIME SUMMARY

Unit 600 for the period: 06/01/2019 to 06/31/2019

Source : Manposa Unit 600 Report Start Date/Time : Sat 06/01/2019 0:00  
 CMS Parameter : O2 Report End Date/Time : Sun 06/30/2019 23:59

OPERATING DATA SUMMARY

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	66:00
Total Source Operating Time (Total Operating Minutes 60)	67:52

CMS PERFORMANCE SUMMARY

CMS Downtime in reporting period due to	Hours
a. Monitor Equipment Malfunctions	0:00
b. Non-Monitor Equipment Malfunctions	0:00
c. Quality Assurance/Calibration	0:00
d. Other Known Causes	0:00
e. Unknown Causes	0:00
Total CMS Downtime (Hours)	0:00
Total CMS Downtime (as % of Operating Hours)	0.00%
Total CMS Availability (as % of Operating Hours)	100.00%
Total CMS Availability (as % of 6 Month Operating Hours)	99.99%

CMS DOWNTIME EVENT SUMMARY

Event Start Date/Time	Category	Type	Downtime Description	Duration H: M:n
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Unit 700 for the period: 06/01/2019 to 06/31/2019

7/2/2019 10:29:35 PM

**CONTINUOUS MONITORING SYSTEM PERFORMANCE REPORT**

Page 1 of 1

Source : Mariposa Unit 700  
 CMS Parameter : O2

Report Start Date/Time : Sat 06/01/2019 0:00  
 Report End Date/Time : Sun 06/30/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	85:00
Total Source Operating Time (Total Operating Minutes 60)	25:13

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0:00
b. Non Monitor Equipment Malfunctions	0:00
c. Quality Assurance/Calibration	0:00
d. Other Known Causes	0:00
e. Unknown Causes	0:00
Total CMS Downtime (Hours)	0:00
Total CMS Downtime (as % of Operating Hours)	0.00%
Total CMS Availability (as % of Operating Hours)	100.00%
Total CMS Availability (as % of 6 Month Operating Hours)	100.00%

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr M S
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Unit 800 for the period: 06/01/2019 to 06/31/2019

Source : Manposa Unit 800 Report Start Date/Time : Sat 06/01/2019 0:00  
 CMS Parameter : 02 Report End Date/Time : Sun 06/30/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	87:00
Total Source Operating Time (Total Operating Minutes/60)	66:50

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0:00
b. Non-Monitor Equipment Malfunctions	0:00
c. Quality Assurance/Calibration	0:00
d. Other Known Causes	0:00
e. Unknown Causes	0:00
<b>Total CMS Downtime (Hours)</b>	<b>0:00</b>
<b>Total CMS Downtime (as % of Operating Hours)</b>	<b>0.00%</b>
<b>Total CMS Availability (as % of Operating Hours)</b>	<b>100.00%</b>
<b>Total CMS Availability (as % of 6-Month Operating Hours)</b>	<b>99.61%</b>

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration H: Mm
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Unit 900 for the period: 06/01/2019 to 06/31/2019

Source : Mariposa Unit 900 Report Start Date/Time : Sat 06/01/2019 0:00  
 CMS Parameter : O2 Report End Date/Time : Sun 06/30/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	83.00
Total Source Operating Time (Total Operating Minutes/60)	63.07

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0.00
b. Non-Monitor Equipment Malfunctions	0.00
c. Quality Assurance/Calibration	0.00
d. Other Known Causes	0.00
e. Unknown Causes	0.00
Total CMS Downtime (Hours)	0.00
Total CMS Downtime (as % of Operating Hours)	0.00%
Total CMS Availability (as % of Operating Hours)	100.00%
Total CMS Availability (as % of 6-Month Operating Hours)	99.61%

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr - Min
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I. EXCESS EMISSIONS INFORMATION FOR THE PERIOD: 06/01/2019 to 06/31/2019

Unit 600 CEMS:

Pollutant	Limit	Compliance Averaging Period	Date/ Time	Time Interval (hours)	Excess Emissions	Nature/ Cause	Corrective Action	Preventive Measures
NO	4.4	Lb/hr	N/A	N/A	N/A	N/A	N/A	N/A
NO <sub>x</sub>	2.5	ppmv, 1-hr ave.	N/A	N/A	N/A	N/A	N/A	N/A
CO	2.14	Lb/hr	N/A	N/A	N/A	N/A	N/A	N/A
CO	2.0	ppmv, 3-hr ave.	N/A	N/A	N/A	N/A	N/A	N/A

Unit 700 CEMS:

Pollutant	Limit	Compliance Averaging Period	Date/ Time	Time Interval (hours)	Excess Emissions	Nature/ Cause	Corrective Action	Preventive Measures
NO <sub>x</sub>	4.4	Lb/hr	N/A	N/A	N/A	N/A	N/A	N/A
NO <sub>x</sub>	2.5	ppmv, 1-hr ave.	N/A	N/A	N/A	N/A	N/A	N/A
CO	2.14	Lb/hr	N/A	N/A	N/A	N/A	N/A	N/A
CO	2.0	ppmv, 3-hr ave.	N/A	N/A	N/A	N/A	N/A	N/A

Unit 800 CEMS:

Pollutant	Limit	Compliance Averaging Period	Date/ Time	Time Interval (hours)	Excess Emissions	Nature/ Cause	Corrective Action	Preventive Measures
NO <sub>x</sub>	4.4	Lb/hr	N/A	N/A	N/A	N/A	N/A	N/A
NO <sub>x</sub>	2.5	ppmv, 1-hr ave.	N/A	N/A	N/A	N/A	N/A	N/A
CO	2.14	Lb/hr	N/A	N/A	N/A	N/A	N/A	N/A
CO	2.0	ppmv, 3-hr ave.	N/A	N/A	N/A	N/A	N/A	N/A

Unit 900 CEMS:

Pollutant	Limit	Compliance Averaging Period	Date/ Time	Time Interval (hours)	Excess Emissions	Nature/ Cause	Corrective Action	Preventive Measures
NO <sub>x</sub>	4.4	Lb/hr	N/A	N/A	N/A	N/A	N/A	N/A
NO <sub>x</sub>	2.5	ppmv, 1-hr ave.	N/A	N/A	N/A	N/A	N/A	N/A
CO	2.14	Lb/hr	N/A	N/A	N/A	N/A	N/A	N/A
CO	2.0	ppmv, 3-hr ave.	N/A	N/A	N/A	N/A	N/A	N/A

J. CEMS MONITOR DOWNTIME INFORMATION FOR THE PERIOD: 06/01/2019 to 06/31/2019

Unit 600 (Source S-1):

Description	Date/Time	Monitor	Nature/Cause	Corrective Action
No Downtime	N/A	NO <sub>x</sub>	N/A	N/A
No Downtime	N/A	CO	N/A	N/A
No Downtime	N/A	O <sub>2</sub>	N/A	N/A

Unit 700 (Source S-2):

Description	Date/Time	Monitor	Nature/Cause	Corrective Action
No Downtime	N/A	NO <sub>x</sub>	N/A	N/A
No Downtime	N/A	CO	N/A	N/A
No Downtime	N/A	O <sub>2</sub>	N/A	N/A

Unit 800 (Source S-3):

Description	Date/Time	Monitor	Nature/Cause	Corrective Action
No Downtime	N/A	NO <sub>x</sub>	N/A	N/A
No Downtime	N/A	CO	N/A	N/A
No Downtime	N/A	O <sub>2</sub>	N/A	N/A

Unit 900 (Source S-4):

Description	Date/Time	Monitor	Nature/Cause	Corrective Action
No Downtime	N/A	NO <sub>x</sub>	N/A	N/A
No Downtime	N/A	CO	N/A	N/A
No Downtime	N/A	O <sub>2</sub>	N/A	N/A

**K. RELATIVE ACCURACY TEST AUDITS (RATAs)**

Unit 600 RATA performed on 02/05/2019

Unit 800 RATA performed on 02/06/2019

Unit 700 RATA performed on 02/07/2019

Unit 900 RATA performed on 02/08/2019

**L. CYLINDER GAS AUDITS (CGAs) AND LINEARITY TESTS**

Unit 600 CGA performed on 05/28/2019

Unit 800 CGA performed on 05/29/2019

Unit 700 CGA performed on 05/28/2019

Unit 900 CGA performed on 05/29/2019

Unit 600 Linearity Test performed on 3/31/2019

Unit 800 Linearity Test performed on 3/31/2019

Unit 700 Linearity Test performed on 3/31/2019

Unit 900 Linearity Test performed on 3/31/2019

**CERTIFICATION**

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

Name: Wayne Forsyth

Signature: \_\_\_\_\_



Title: EHS & Regulatory Manager

Date: \_\_\_\_\_

7-15-19



# Mariposa Energy, LLC

May 15, 2019

Environmental Protection Division  
California Energy Commission  
1516 Ninth Street, MS 40  
Sacramento, CA 95814-5512

Technical Services Division  
Bay Area Air Quality Management District  
373 Beale Street, Suite 600  
San Francisco, CA 94105

Subject: Mariposa Energy, LLC: Monthly CEMS Report for April 2019

To Whom It May Concern:

In accordance with California Energy Commission (CEC) and Bay Area Air Quality Management District (BAAQMD) regulations listed below, Mariposa Energy, LLC (BAAQMD Plant #19730) is submitting its Monthly "Continuous Emission Monitoring System" (CEMS) Report and BAAQMD Negative Declaration Page along with the supporting documentation for April 2019.

- CEC – Mariposa Energy Project "Commission Decision", (Docket No. 09-AFC-3) – Cond. AQ-33;
- BAAQMD Regulation 1, Section 522.8;
- BAAQMD Authority to Construct (ATC) Permit Application #20737;
- BAAQMD Permit to Operate (PTO) Condition #24955, Part 33.

If you have any questions regarding this submittal, please contact Wayne Forsyth by email at [w.forsyth@dgc-us.com](mailto:w.forsyth@dgc-us.com) or phone (213) 473-0093.

Sincerely,

Wayne Forsyth – Program Manager, EHS & Regulatory  
Mariposa Energy, LLC  
633 West Fifth Street, Suite 2700  
Los Angeles, California 90071

BAY AREA  
AIR QUALITY MANAGEMENT DISTRICT

MONTHLY CONTINUOUS EMISSION MONITORING REPORT

COMPANY: MARIPOSA ENERGY, LLC

SOURCE CTG-1, 2, 3, 4 (S-1, 2, 3, 4)

PLANT NO 19730

POLLUTANT NO<sub>x</sub> and CO

MONTH Apr-19

DILUENT O<sub>2</sub>

II. STATEMENT OF EXCESS EMISSIONS\* (Negative Declaration required)

DATE	TIME	DURATION	MAGNITUDE	REMARKS
There were no excess emissions of NO <sub>x</sub> or CO from any of the combustion turbine generator sources (S-1 S-2 S-3 or S-4) during the month of April 2019				

III. MONITOR MALFUNCTION

DATE	TIME	DURATION	PROBLEM/CORRECTIVE ACTION
There were no monitor malfunctions on any of the combustion turbine generator sources (S-1 S-2, S-3 or S-4) during the month of April 2019			

Signature



Date

5/15/19

**MARIPOSA ENERGY, LLC.**  
**Application Number: 20737**  
**Plant Number: 19730**  
**Permit Condition Number: 24955**

**Monthly CEMS Report**  
**Report Period:**  
**From: 04/01/2019 to 04/30/2019**



MARIPOSA ENERGY, LLC.  
Application Number: 20737  
Plant Number: 19730  
Permit Condition Number: 24955

Monthly CEMS Report  
Report Period: From: 04/01/2019 to 04/30/2019

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A. SOURCE INFORMATION

1. COMPANY: Mariposa Energy, LLC.  
4887 Bruns Road  
Byron, CA 94514

2. POLLUTANT MONITORED AND APPLICABLE EMISSION LIMITS

NO<sub>x</sub>: 4.4 lbs/hour per turbine unit  
2.5 ppmv, dry, corrected to 15% oxygen, 1-hour average

CO: 2.14 lbs/hour per turbine unit  
2.0 ppmv, dry, corrected to 15% oxygen, averaged over any rolling 3-hour period

3. PROCESS UNIT(S) DESCRIPTION

Four natural gas-fired combustion turbine generators identified as Unit 600, 700, 800 and 900  
Each turbine unit includes water injection system, oxidation catalyst, ammonia injection system, selective catalytic reduction (SCR) system

4. TOTAL SOURCE OPERATING TIME FROM 04/01/2019 to 04/30/2019

[See *Operating Time-Hour* report on following page for each of the four units]

**Monthly Report - Operating Time**

5/2/2019 5:38:47 PM

Page 1 of 1

**Unit Name:** Manposa Facility

**Report Start Date/Time:** Mon 04/01/2019 0:00

**Report End Date/Time:** Tue 04/30/2019 23:59

DATE/TIME	Operating Time 600	Operating Time 700	Operating Time 800	Operating Time 900				
04/01/2019 0:00	Down	Down	Down	Down				
04/02/2019 0:00	Down	Down	Down	Down				
04/03/2019 0:00	Down	Down	Down	Down				
04/04/2019 0:00	Down	Down	1:03	0:08				
04/05/2019 0:00	Down	Down	Down	Down				
04/06/2019 0:00	Down	Down	Down	Down				
04/07/2019 0:00	Down	Down	Down	Down				
04/08/2019 0:00	Down	Down	Down	Down				
04/09/2019 0:00	Down	Down	Down	Down				
04/10/2019 0:00	Down	Down	Down	Down				
04/11/2019 0:00	Down	Down	Down	Down				
04/12/2019 0:00	Down	Down	Down	Down				
04/13/2019 0:00	Down	Down	Down	Down				
04/14/2019 0:00	Down	Down	Down	Down				
04/15/2019 0:00	Down	Down	Down	Down				
04/16/2019 0:00	Down	Down	Down	Down				
04/17/2019 0:00	Down	Down	Down	Down				
04/18/2019 0:00	Down	Down	Down	Down				
04/19/2019 0:00	Down	Down	Down	Down				
04/20/2019 0:00	Down	Down	Down	Down				
04/21/2019 0:00	Down	Down	Down	Down				
04/22/2019 0:00	Down	Down	Down	Down				
04/23/2019 0:00	Down	Down	Down	Down				
04/24/2019 0:00	Down	Down	Down	Down				
04/25/2019 0:00	Down	Down	Down	Down				
04/26/2019 0:00	Down	Down	Down	Down				
04/27/2019 0:00	Down	Down	Down	Down				
04/28/2019 0:00	Down	Down	Down	Down				
04/29/2019 0:00	Down	Down	Down	Down				
04/30/2019 0:00	Down	Down	Down	Down				
<b>Total</b>			1:03	0:08				
<b>Average</b>			1:03	0:08				
<b>Maximum</b>			1:03	0:08				
<b>Minimum</b>			1:03	0:08				

B. CEMS UNIT INFORMATION

1. MONITORING MANUFACTURER

Unit	Analyzer	Brand	Model Name	Model Number
600	NO <sub>x</sub>	HORIBA	CMA-EC642L2	P4RVKFUW
600	CO	HORIBA	CMA-EC642L2	P4RVKFLW
600	O <sub>2</sub>	HORIBA	CMA-EC642L2	P4RVKFUW
700	NO <sub>x</sub>	HORIBA	CMA-EC642L2	V01HV5RV
700	CO	HORIBA	CMA-EC642L2	V01HV5RV
700	O <sub>2</sub>	HORIBA	CMA-EC642L2	V01HV5RV
800	NO <sub>x</sub>	HORIBA	CMA-EC642L2	WH0B4BF6
800	CO	HORIBA	CMA-EC642L2	WH0B4BF6
800	O <sub>2</sub>	HORIBA	CMA-EC642L2	WH0B4BF6
900	NO <sub>x</sub>	HORIBA	CMA-EC642L2	P4RVKFUW
900	CO	HORIBA	CMA-EC642L2	P4RVKFUW
900	O <sub>2</sub>	HORIBA	CMA-EC642L2	P4RVKFUW

2. DATE OF LAST CEMS CERTIFICATION OR AUDIT

Unit 600 (S-1) RATA	Unit 700 (S-2) RATA	Unit 800 (S-3) RATA	Unit 900 (S-4) RATA
02/05/2019	02/06/2019	02/07/2019	02/08/2019
Unit 600 (S-1) CGA	Unit 700 (S-2) CGA	Unit 800 (S-3) CGA	Unit 900 (S-4) CGA
01/29/2019	01/29/2019	01/29/2019	01/29/2019
Unit 600 (S-1) Linearity	Unit 700 (S-2) Linearity	Unit 800 (S-3) Linearity	Unit 900 (S-4) Linearity
12/6/2018	12/6/2018	12/7/2018	12/7/2018

C. DAILY EMISSION SUMMARY DURING: 04/01/2019 to 04/30/2019

AQ-17a/b/c/d/e/H/g: Normal Operating Emissions

5/2/2019 5:38:19 PM

Page 1 of 1

Unit Name: Manposá Unit 600

Report Start Date/Time: Mon 04/01/2019 0:00

Report End Date/Time: Tue 04/30/2019 23:59

DATE/TIME	Max 1-Hour NO <sub>x</sub> Lbs/Hr Limit 4.4	Max 1-Hour NO <sub>x</sub> @15%O <sub>2</sub> Limit 2.5	Max 1-Hour CO Lbs/Hr Limit 2.14	Max 3-Hour CO@15%O <sub>2</sub> Limit 2.0	Max 3-Hour NH <sub>3</sub> @15%O <sub>2</sub> Limit 5	Max 1-Hour POC Lbs/Hr Limit 0.612	Max 1-Hour SO <sub>2</sub> Lbs/Hr Limit 1.347
04/01/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/03/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/04/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/05/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/06/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/08/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/09/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/11/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/12/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/13/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/14/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/15/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/17/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/18/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/20/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/21/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/22/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/23/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/24/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/27/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/30/2019 0:00	Down	Down	Down	Down	Down	Down	Down

Total  
Average  
Maximum  
Minimum

AQ-17a/b/c/d/effig: Normal Operating Emissions

5/2/2019 5:38:26 PM

Page 1 of 1

Unit Name: Manposa Unit 700

Report Start Date/Time: Mon 04/01/2019 0:00

Report End Date/Time: Tue 04/30/2019 23:59

DATE/TIME	Max 1-Hour NOx lbs/Hr Limit 4.4	Max 1-Hour NO <sub>x</sub> @15%O <sub>2</sub> Limit 2.5	Max 1-Hour CO lbs/Hr Limit 2.14	Max 3-Hour CO@15%O <sub>2</sub> Limit 2.0	Max 3-Hour NH <sub>3</sub> @15%O <sub>2</sub> Limit 5	Max 1-Hour POC lbs/Hr Limit 0.612	Max 1-Hour SO <sub>2</sub> lbs/Hr Limit 1.347
04/01/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/03/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/04/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/05/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/06/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/08/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/09/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/11/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/12/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/13/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/14/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/15/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/17/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/18/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/20/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/21/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/22/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/23/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/24/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/27/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/30/2019 0:00	Down	Down	Down	Down	Down	Down	Down

Total  
Average  
Maximum  
Minimum

**AQ-17a/b/c/d/e/f/g: Normal Operating Emissions**

5/2/2019 5:38:33 PM

Page 1 of 1

Unit Name: Manposa Unit 800

Report Start Date/Time: Mon 04/01/2019 0:00

Report End Date/Time: Tue 04/30/2019 23:59

DATE/TIME	Max 1-Hour NOx Lbs/Hr Limit 4.4	Max 1-Hour NOx@15%O2 Limit 2.5	Max 1-Hour CO Lbs/Hr Limit 2.14	Max 3-Hour CO@15%O2 Limit 2.0	Max 3-Hour NH3@15%O2 Limit 5	Max 1 Hour POC Lbs/Hr Limit 0.612	Max 1 Hour SO2 Lbs/Hr Limit 1.347
04/01/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/03/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/04/2019 0:00	0.1	0.3	0.03	0.1	0	0.015	0.075
04/05/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/06/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/08/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/09/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/11/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/12/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/13/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/14/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/15/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/17/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/18/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/20/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/21/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/22/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/23/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/24/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/27/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down
04/30/2019 0:00	Down	Down	Down	Down	Down	Down	Down
Total							
Average	0.1	0.3	0.03	0.1	0	0.015	0.075
Maximum	0.1	0.3	0.03	0.1	0	0.015	0.075
Minimum	0.1	0.3	0.03	0.1	0	0.015	0.075

AQ-17a/b/c/d/e/f/g: Normal Operating Emissions

5/2/2019 5:38:40 PM

Page 1 of 1

Unit Name: Manposa Unit 900

Report Start Date/Time: Mon 04/01/2019 0:00

Report End Date/Time: Tue 04/30/2019 23:59

DATE/TIME	Max 1-Hour NOx lbs/Hr Limit 4.4	Max 1-Hour NO <sub>x</sub> @15%O <sub>2</sub> Limit 2.5	Max 1-Hour CO lbs/Hr Limit 2.14	Max 3-Hour CO@15%O <sub>2</sub> Limit 2.0	Max 3-Hour NH <sub>3</sub> @15%O <sub>2</sub> Limit 5	Max 1-Hour PDC lbs/Hr Limit 0.612	Max 1-Hour SO <sub>2</sub> lbs/Hr Limit 1.347	
04/01/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/03/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/24/2019 0:02	0.0	0.1	0.03	0.0	0	0.007	0.034	
04/05/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/06/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/08/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/09/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/11/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/12/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/13/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/14/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/15/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/17/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/18/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/20/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/21/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/22/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/23/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/24/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/27/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
04/30/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
Total								
Average	0.0	0.1	0.00	0.0	0	0.007	0.034	
Maximum	0.0	0.1	0.00	0.0	0	0.007	0.034	
Minimum	0.0	0.1	0.00	0.0	0	0.007	0.034	



**D. EXCESS EMISSIONS SUMMARY FOR NO.**

Unit 600 for the period: **04/01/2019 to 04/30/2019**

Duration of Excess Emissions in Reporting Period Due To:	
Startup/Shutdown	0
Control Equipment Problems	0
Process Problems	0
Other Known Causes	0
Unknown Causes	0
<b>Total Duration of Excess Emissions</b>	<b>0</b>
<b>Total Duration of Excess Emissions (percent of operating time)</b>	<b>0%</b>

Unit 700 for the period: **04/01/2019 to 04/30/2019**

Duration of Excess Emissions in Reporting Period Due To:	
Startup/Shutdown	0
Control Equipment Problems	0
Process Problems	0
Other Known Causes	0
Unknown Causes	0
<b>Total Duration of Excess Emissions</b>	<b>0</b>
<b>Total Duration of Excess Emissions (percent of operating time)</b>	<b>0%</b>

Unit 800 for the period: **04/01/2019 to 04/30/2019**

Duration of Excess Emissions in Reporting Period Due To:	
Startup/Shutdown	0
Control Equipment Problems	0
Process Problems	0
Other Known Causes	0
Unknown Causes	0
<b>Total Duration of Excess Emissions</b>	<b>0</b>
<b>Total Duration of Excess Emissions (percent of operating time)</b>	<b>0%</b>

Unit 900 for the period: **04/01/2019 to 04/30/2019**

Duration of Excess Emissions in Reporting Period Due To:	
Startup/Shutdown	0
Control Equipment Problems	0
Process Problems	0
Other Known Causes	0
Unknown Causes	0
<b>Total Duration of Excess Emissions</b>	<b>0</b>
<b>Total Duration of Excess Emissions (percent of operating time)</b>	<b>0%</b>

**E. EXCESS EMISSIONS SUMMARY FOR CO**

Unit 600 for the period **04/01/2019 to 04/30/2019**

Duration of Excess Emissions in Reporting Period Due To:	
Startup/Shutdown	0
Control Equipment Problems	0
Process Problems	0
Other Known Causes	0
Unknown Causes	0
<b>Total Duration of Excess Emissions</b>	<b>0</b>
<b>Total Duration of Excess Emissions (percent of operating time)</b>	<b>0%</b>

Unit 700 for the period: **04/01/2019 to 04/30/2019**

Duration of Excess Emissions in Reporting Period Due To:	
Startup/Shutdown	0
Control Equipment Problems	0
Process Problems	0
Other Known Causes	0
Unknown Causes	0
<b>Total Duration of Excess Emissions</b>	<b>0</b>
<b>Total Duration of Excess Emissions (percent of operating time)</b>	<b>0%</b>

Unit 800 for the period: **04/01/2019 to 04/30/2019**

Duration of Excess Emissions in Reporting Period Due To:	
Startup/Shutdown	0
Control Equipment Problems	0
Process Problems	0
Other Known Causes	0
Unknown Causes	0
<b>Total Duration of Excess Emissions</b>	<b>0</b>
<b>Total Duration of Excess Emissions (percent of operating time)</b>	<b>0%</b>

Unit 900 for the period: **04/01/2019 to 04/30/2019**

Duration of Excess Emissions in Reporting Period Due To:	
Startup/Shutdown	0
Control Equipment Problems	0
Process Problems	0
Other Known Causes	0
Unknown Causes	0
<b>Total Duration of Excess Emissions</b>	<b>0</b>
<b>Total Duration of Excess Emissions (percent of operating time)</b>	<b>0%</b>

F. NO<sub>x</sub> CEMS DOWNTIME SUMMARY

Unit 600 for the period: 04/01/2019 to 04/30/2019

Source : Manposo Unit 600 Report Start Date/Time : Mon 04/01/2019 0:00  
 CMS Parameter : NO<sub>x</sub> Report End Date/Time : Tue 04/30/2019 23:59

OPERATING DATA SUMMARY

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	0.00
Total Source Operating Time (Total Operating Minutes/60)	0.00

CMS PERFORMANCE SUMMARY

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0.00
b. Non-Monitor Equipment Malfunctions	0.00
c. Quality Assurance/Calibration	0.00
d. Other Known Causes	0.00
e. Unknown Causes	0.00
Total CMS Downtime (Hours)	0.00
Total CMS Downtime (as % of Operating Hours)	0.00%
Total CMS Availability (as % of Operating Hours)	100.00%
Total CMS Availability (as % of 6-Month Operating Hours)	100.00%

CMS DOWNTIME EVENT SUMMARY

Event Start Date/Time	Category	Type	Downtime Description	Duration: Hr Min
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Unit 700 for the period: 04/01/2019 to 04/30/2019

Source : Mariposa Unit 700 Report Start Date/Time : Mon 04/01/2019 0:00  
 CMS Parameter : NOx Report End Date/Time : Tue 04/30/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	0:00
Total Source Operating Time (Total Operating Minutes/60)	0:00

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0:00
b. Non Monitor Equipment Malfunctions	0:00
c. Quality Assurance/Calibration	0:00
d. Other Known Causes	0:00
e. Unknown Causes	0:00
Total CMS Downtime (Hours)	0:00
Total CMS Downtime (as % of Operating Hours)	0.00%
Total CMS Availability (as % of Operating Hours)	100.00%
Total CMS Availability (as % of 6-Month Operating Hours)	100.00%

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr: Min
-----------------------	----------	------	----------------------	------------------

Unit 800 for the period: 04/01/2019 to 04/30/2019

Source : Mariposa Unit 800 Report Start Date/Time : Mon 04/01/2019 0:00  
 CMS Parameter : NOx Report End Date/Time : Tue 04/30/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	2.00
Total Source Operating Time (Total Operating Minutes/60)	1.03

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0.00
b. Non-Monitor Equipment Malfunctions	0.00
c. Quality Assurance/Calibration	0.00
d. Other Known Causes	0.00
e. Unknown Causes	0.00
Total CMS Downtime (Hours)	0.00
Total CMS Downtime (as % of Operating Hours)	0.00%
Total CMS Availability (as % of Operating Hours)	100.00%
Total CMS Availability (as % of 6 Month Operating Hours)	99.72%

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration H: M: S
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Unit 900 for the period: 04/01/2019 to 04/30/2019

Source : Manposa Unit 900 Report Start Date/Time : Mon 04/01/2019 0:00  
 CMS Parameter : NOx Report End Date/Time : Tue 04/30/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (Includes periods of Operating Hours)	2.00
Total Source Operating Time (Total Operating Minutes/60)	0.88

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0.00
b. Non-Monitor Equipment Malfunctions	0.00
c. Quality Assurance/Calibration	0.00
d. Other Known Causes	0.00
e. Unknown Causes	0.00
<b>Total CMS Downtime (Hours)</b>	<b>0.00</b>
<b>Total CMS Downtime (as % of Operating Hours)</b>	<b>0.00 %</b>
<b>Total CMS Availability (as % of Operating Hours)</b>	<b>100.00 %</b>
<b>Total CMS Availability (as % of 6-Month Operating Hours)</b>	<b>100.00 %</b>

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr. Min.
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G. CO CEMS DOWNTIME SUMMARY

Unit 600 for the period: 04/01/2019 to 04/30/2019

Source : Manposa Unit 600 Report Start Date/Time : Mon 04/01/2019 0:00  
 CMS Parameter : CO Report End Date/Time : Tue 04/30/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	0.00
Total Source Operating Time (Total Operating Minutes/60)	0.00

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to.	Hours
a. Monitor Equipment Malfunctions	0.00
b. Non Monitor Equipment Malfunctions	0.00
c. Quality Assurance/Calibration	0.00
d. Other Known Causes	0.00
e. Unknown Causes	0.00
<b>Total CMS Downtime (Hours)</b>	<b>0.00</b>
<b>Total CMS Downtime (as % of Operating Hours)</b>	<b>0.00%</b>
<b>Total CMS Availability (as % of Operating Hours)</b>	<b>100.00%</b>
<b>Total CMS Availability (as % of 6-Month Operating Hours)</b>	<b>100.00%</b>

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration H: M: S
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Unit 700 for the period: 04/01/2019 to 04/30/2019

Source : Mariposa Unit 700 Report Start Date/Time : Mon 04/01/2019 0:00  
 CMS Parameter : CO Report End Date/Time : Tue 04/30/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	0.00
Total Source Operating Time (Total Operating Minutes/60)	0.00

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0.00
b. Non Monitor Equipment Malfunctions	0.00
c. Quality Assurance/Calibration	0.00
d. Other Known Causes	0.00
e. Unknown Causes	0.00
Total CMS Downtime (Hours)	0.00
Total CMS Downtime (as % of Operating Hours)	0.00%
Total CMS Availability (as % of Operating Hours)	100.00%
Total CMS Availability (as % of 6-Month Operating Hours)	100.00%

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr Min
-----------------------	----------	------	----------------------	-----------------



Unit 800 for the period: 04/01/2019 to 04/30/2019

**Source :** Manposa Unit 800 **Report Start Date/Time :** Mon 04/01/2019 0:00  
**CMS Parameter :** CO **Report End Date/Time :** Tue 04/30/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	2:00
Total Source Operating Time (Total Operating Minutes 60)	1:03

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0:00
b. Non-Monitor Equipment Malfunctions	0:00
c. Quality Assurance/Calibration	0:00
d. Other Known Causes	0:00
e. Unknown Causes	0:00
<b>Total CMS Downtime (Hours)</b>	<b>0:00</b>
<b>Total CMS Downtime (as % of Operating Hours)</b>	<b>0.00%</b>
<b>Total CMS Availability (as % of Operating Hours)</b>	<b>100.00%</b>
<b>Total CMS Availability (as % of 6-Month Operating Hours)</b>	<b>99.72%</b>

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr : Min
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Unit 900 for the period: 04/01/2019 to 04/30/2019

Source : Mariposa Unit 900 Report Start Date/Time : Mon 04/01/2019 0:00  
 CMS Parameter : CO Report End Date/Time : Tue 04/30/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (includes partial Operating Hours)	2.00
Total Source Operating Time (Total Operating Minutes/60)	0.88

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0.00
b. Non-Monitor Equipment Malfunctions	0.00
c. Quality Assurance/Calibration	0.00
d. Other Known Causes	0.00
e. Unknown Causes	0.00
Total CMS Downtime (Hours)	0.00
Total CMS Downtime (as % of Operating Hours)	0.00%
Total CMS Availability (as % of Operating Hours)	100.00%
Total CMS Availability (as % of 6-Month Operating Hours)	100.00%

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr Min
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H. O<sub>2</sub> CEMS DOWNTIME SUMMARY

Unit 600 for the period: 04/01/2019 to 04/30/2019

Source : Mariposa Unit 600 Report Start Date/Time : Mon 04/01/2019 0:00  
 CMS Parameter : O<sub>2</sub> Report End Date/Time : Tue 04/30/2019 23:59

OPERATING DATA SUMMARY

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	0:00
Total Source Operating Time (Total Operating Minutes/60)	0:00

CMS PERFORMANCE SUMMARY

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0:00
b. Non-Monitor Equipment Malfunctions	0:00
c. Quality Assurance/Calibration	0:00
d. Other Known Causes	0:00
e. Unknown Causes	0:00
Total CMS Downtime (Hours)	0:00
Total CMS Downtime (as % of Operating Hours)	0.00%
Total CMS Availability (as % of Operating Hours)	100.00%
Total CMS Availability (as % of 6-Month Operating Hours)	100.00%

CMS DOWNTIME EVENT SUMMARY

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr. Min
-----------------------	----------	------	----------------------	------------------

Unit 700 for the period: 04/01/2019 to 04/30/2019

Source : Mariposa Unit 700 Report Start Date/Time : Mon 04/01/2019 0:00  
 CMS Parameter : 02 Report End Date/Time : Tue 04/30/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	0:00
Total Source Operating Time (Total Operating Minutes:00)	0:00

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0:00
b. Non Monitor Equipment Malfunctions	0:00
c. Quality Assurance/Calibration	0:00
d. Other Known Causes	0:00
e. Unknown Causes	0:00
Total CMS Downtime (Hours)	0:00
Total CMS Downtime (as % of Operating Hours)	0.00%
Total CMS Availability (as % of Operating Hours)	100.00%
Total CMS Availability (as % of 6-Month Operating Hours)	100.00%

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr Min
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Unit 800 for the period: 04/01/2019 to 04/30/2019

Source : Mariposa Unit 800 Report Start Date/Time : Mon 04/01/2019 0:00  
 CMS Parameter : O2 Report End Date/Time : Tue 04/30/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	2 00
Total Source Operating Time (Total Operating Minutes 60)	1 03

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0 00
b. Non-Monitor Equipment Malfunctions	0 00
c. Quality Assurance/Calibration	0 00
d. Other Known Causes	0 00
e. Unknown Causes	0 00
<b>Total CMS Downtime (Hours)</b>	<b>0 00</b>
<b>Total CMS Downtime (as % of Operating Hours)</b>	<b>0 00%</b>
<b>Total CMS Availability (as % of Operating Hours)</b>	<b>100 00%</b>
<b>Total CMS Availability (as % of 6-Month Operating Hours)</b>	<b>99 72%</b>

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr. Min

Unit 900 for the period: 04/01/2019 to 04/30/2019

Source : Mariposa Unit 900 Report Start Date/Time : Mon 04/01/2019 0:00  
 CMS Parameter : O2 Report End Date/Time : Tue 04/30/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	2.00
Total Source Operating Time (Total Operating Minutes/60)	0.88

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0.00
b. Non Monitor Equipment Malfunctions	0.00
c. Quality Assurance/Calibration	0.00
d. Other Known Causes	0.00
e. Unknown Causes	0.00
Total CMS Downtime (Hours)	0.00
Total CMS Downtime (as % of Operating Hours)	0.00%
Total CMS Availability (as % of Operating Hours)	100.00%
Total CMS Availability (as % of 6 Month Operating Hours)	100.00%

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr Min
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I. EXCESS EMISSIONS INFORMATION FOR THE PERIOD: 04/01/2019 to 04/30/2019

Unit 600 CEMS:

Pollutant	Limit	Compliance Averaging Period	Date/Time	Time Interval (hours)	Excess Emissions	Nature/Cause	Corrective Action	Preventive Measures
NO <sub>x</sub>	4.4	Lb/hr	n/a	n/a	n/a	n/a	n/a	n/a
NO <sub>x</sub>	2.5	ppmv, 1-hr ave.	n/a	n/a	n/a	n/a	n/a	n/a
CO	2.14	Lb/hr	n/a	n/a	n/a	n/a	n/a	n/a
CO	2.0	ppmv, 3-hr ave.	n/a	n/a	n/a	n/a	n/a	n/a

Unit 700 CEMS:

Pollutant	Limit	Compliance Averaging Period	Date/Time	Time Interval (hours)	Excess Emissions	Nature/Cause	Corrective Action	Preventive Measures
NO <sub>x</sub>	4.4	Lb/hr	n/a	n/a	n/a	n/a	n/a	n/a
NO <sub>x</sub>	2.5	ppmv, 1-hr ave.	n/a	n/a	n/a	n/a	n/a	n/a
CO	2.14	Lb/hr	n/a	n/a	n/a	n/a	n/a	n/a
CO	2.0	ppmv, 3-hr ave.	n/a	n/a	n/a	n/a	n/a	n/a

Unit 800 CEMS:

Pollutant	Limit	Compliance Averaging Period	Date/Time	Time Interval (hours)	Excess Emissions	Nature/Cause	Corrective Action	Preventive Measures
NO <sub>x</sub>	4.4	Lb/hr	n/a	n/a	n/a	n/a	n/a	n/a
NO <sub>x</sub>	2.5	ppmv, 1-hr ave.	n/a	n/a	n/a	n/a	n/a	n/a
CO	2.14	Lb/hr	n/a	n/a	n/a	n/a	n/a	n/a
CO	2.0	ppmv, 3-hr ave.	n/a	n/a	n/a	n/a	n/a	n/a

Unit 900 CEMS:

Pollutant	Limit	Compliance Averaging Period	Date/Time	Time Interval (hours)	Excess Emissions	Nature/Cause	Corrective Action	Preventive Measures
NO <sub>x</sub>	4.4	Lb/hr	n/a	n/a	n/a	n/a	n/a	n/a
NO <sub>x</sub>	2.5	ppmv, 1-hr ave.	n/a	n/a	n/a	n/a	n/a	n/a
CO	2.14	Lb/hr	n/a	n/a	n/a	n/a	n/a	n/a
CO	2.0	ppmv, 3-hr ave.	n/a	n/a	n/a	n/a	n/a	n/a

J. CEMS MONITOR DOWNTIME INFORMATION FOR THE PERIOD: 04/01/2019 to 04/30/2019

Unit 600 (Source S-1):

Description	Date/Time	Monitor	Nature/Cause	Corrective Action
No Downtime	N/A	NO <sub>x</sub>	N/A	N/A
No Downtime	N/A	CO	N/A	N/A
No Downtime	N/A	O <sub>2</sub>	N/A	N/A

Unit 700 (Source S-2):

Description	Date/Time	Monitor	Nature/Cause	Corrective Action
No Downtime	N/A	NO <sub>x</sub>	N/A	N/A
No Downtime	N/A	CO	N/A	N/A
No Downtime	N/A	O <sub>2</sub>	N/A	N/A

Unit 800 (Source S-3):

Description	Date/Time	Monitor	Nature/Cause	Corrective Action
No Downtime	N/A	NO <sub>x</sub>	N/A	N/A
No Downtime	N/A	CO	N/A	N/A
No Downtime	N/A	O <sub>2</sub>	N/A	N/A

Unit 900 (Source S-4):

Description	Date/Time	Monitor	Nature/Cause	Corrective Action
No Downtime	N/A	NO <sub>x</sub>	N/A	N/A
No Downtime	N/A	CO	N/A	N/A
No Downtime	N/A	O <sub>2</sub>	N/A	N/A



**K. RELATIVE ACCURACY TEST AUDITS (RAIAs)**

Unit 600 RATA performed on 02/05/2019      Unit 800 RATA performed on 02/06/2019  
Unit 700 RATA performed on 02/07/2019      Unit 900 RATA performed on 02/08/2019

**L. CYLINDER GAS AUDITS (CGAs) AND LINEARITY TESTS**

Unit 600 CGA performed on 01/29/2019      Unit 800 CGA performed on 01/29/2019  
Unit 700 CGA performed on 01/29/2019      Unit 900 CGA performed on 01/29/2019

Unit 600 Linearity Test performed on 3/31/2019      Unit 800 Linearity Test performed on 3/31/2019  
Unit 700 Linearity Test performed on 3/31/2019      Unit 900 Linearity Test performed on 3/31/2019

**CERTIFICATION**

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

Name: Wayne Forsyth

Signature: 

Title: EHS & Regulatory Manager

Date: 5/15/19



# Mariposa Energy, LLC

4887 Bruns Road, Byron, CA 94514

Tel: (209) 830-1401

June 11, 2019

Environmental Protection Division  
California Energy Commission  
1516 Ninth Street, MS 40  
Sacramento, CA 95814-5512

Technical Services Division  
Bay Area Air Quality Management District  
373 Beale Street, Suite 600  
San Francisco, CA 94105

Subject: Mariposa Energy, LLC: Monthly CEMS Report for May 2019

To Whom It May Concern:

In accordance with California Energy Commission (CEC) and Bay Area Air Quality Management District (BAAQMD) regulations listed below, Mariposa Energy, LLC (BAAQMD Plant #19730) is submitting its Monthly "Continuous Emission Monitoring System" (CEMS) Report and BAAQMD Negative Declaration Page along with the supporting documentation for May 2019.

- CEC – Mariposa Energy Project "Commission Decision", (Docket No. 09-AFC-3) – Cond. AQ-33;
- BAAQMD Regulation 1, Section 522.8;
- BAAQMD Authority to Construct (ATC) Permit Application #20737;
- BAAQMD Permit to Operate (PTO) Condition #24955, Part 33.

If you have any questions regarding this submittal, please contact Wayne Forsyth by email at [w.forsyth@dgc-us.com](mailto:w.forsyth@dgc-us.com) or phone (213) 473-0093.

Sincerely,

Wayne Forsyth – Program Manager, EHS & Regulatory  
Mariposa Energy, LLC  
633 West Fifth Street, Suite 2700  
Los Angeles, California 90071

BAY AREA  
AIR QUALITY MANAGEMENT DISTRICT

MONTHLY CONTINUOUS EMISSION MONITORING REPORT

COMPANY MARIPOSA ENERGY, LLC

SOURCE CTG-1, 2, 3, 4 (S-1, 2, 3, 4)

PLANT NO. 19730

POLLUTANT NO<sub>x</sub> and CO

MONTH May-19

DILUENT O<sub>2</sub>

II. STATEMENT OF EXCESS EMISSIONS\* (Negative Declaration required)

DATE	TIME	DURATION	MAGNITUDE	REMARKS
There were no excess emissions of NO <sub>x</sub> or CO from any of the combustion turbine generator sources (S-1 S-2 S-3 or S-4) during the month of May 2019.				

III. MONITOR MALFUNCTION

DATE	TIME	DURATION	PROBLEM/CORRECTIVE ACTION
There were no monitor malfunctions on any of the combustion turbine generator sources (S-1, S-2, S-3 or S-4), during the month of May 2019.			

Signature 

Date 6-11-19

**MARIPOSA ENERGY, LLC.**

**Application Number: 20737**

**Plant Number: 19730**

**Permit Condition Number: 24955**

**Monthly CEMS Report**

**Report Period:**

**From: 05/01/2019 to 05/31/2019**

MARIPOSA ENERGY, LLC.  
Application Number: 20737  
Plant Number: 19730  
Permit Condition Number: 24955

Monthly CEMS Report  
Report Period: From: 05/01/2019 to 05/31/2019

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A. SOURCE INFORMATION

1. COMPANY: Mariposa Energy, LLC.  
4887 Bruns Road  
Byron, CA 94514

2. POLLUTANT MONITORED AND APPLICABLE EMISSION LIMITS

NO<sub>x</sub>: 4.4 lbs/hour per turbine unit  
2.5 ppmv, dry, corrected to 15% oxygen, 1-hour average

CO: 2.14 lbs/hour per turbine unit  
2.0 ppmv, dry, corrected to 15% oxygen, averaged over any rolling 3-hour period

3. PROCESS UNIT(S) DESCRIPTION

Four natural gas-fired combustion turbine generators identified as Unit 600, 700, 800 and 900. Each turbine unit includes water injection system, oxidation catalyst, ammonia injection system, selective catalytic reduction (SCR) system.

4. TOTAL SOURCE OPERATING TIME FROM 05/01/2019 to 05/31/2019

[See *Operating Time-Hour* report on following page for each of the four units]

**Monthly Report - Operating Time**

6/2/2019 12:10:57 AM

Page 1 of 1

Unit Name: Mariposa Facility

Report Start Date/Time : Wed 05/01/2019 0:00

Report End Date/Time : Fri 05/31/2019 23:59

DATE/TIME	Operating Time-600	Operating Time-700	Operating Time-800	Operating Time-900				
05/01/2019 0:00	2.72	1.23	1.57	2.12				
05/02/2019 0:00	Down	Down	Down	Down				
05/03/2019 0:00	Down	0.88	Down	Down				
05/04/2019 0:00	Down	Down	Down	Down				
05/05/2019 0:00	Down	Down	Down	Down				
05/06/2019 0:00	Down	Down	Down	Down				
05/07/2019 0:00	4.83	4.10	1.45	2.80				
05/08/2019 0:00	4.17	1.43	Down	1.43				
05/09/2019 0:00	0.43	Down	Down	Down				
05/10/2019 0:00	Down	Down	Down	Down				
05/11/2019 0:00	Down	Down	Down	Down				
05/12/2019 0:00	Down	Down	Down	Down				
05/13/2019 0:00	1.87	1.87	1.87	2.88				
05/14/2019 0:00	3.80	3.82	3.80	7.40				
05/15/2019 0:00	1.70	2.95	1.88	1.88				
05/16/2019 0:00	Down	Down	0.88	Down				
05/17/2019 0:00	4.90	4.02	3.10	3.83				
05/18/2019 0:00	Down	Down	Down	Down				
05/19/2019 0:00	Down	Down	Down	Down				
05/20/2019 0:00	3.88	5.82	2.87	2.87				
05/21/2019 0:00	1.18	2.45	1.18	1.18				
05/22/2019 0:00	3.20	8.88	2.82	2.82				
05/23/2019 0:00	Down	Down	Down	Down				
05/24/2019 0:00	Down	Down	Down	Down				
05/25/2019 0:00	Down	Down	Down	Down				
05/26/2019 0:00	Down	Down	Down	Down				
05/27/2019 0:00	2.93	1.45	1.43	Down				
05/28/2019 0:00	4.12	3.40	Down	Down				
05/29/2019 0:00	Down	Down	3.87	4.57				
05/30/2019 0:00	Down	Down	Down	Down				
05/31/2019 0:00	Down	Down	Down	Down				
<b>Total</b>	<b>38.43</b>	<b>39.70</b>	<b>28.32</b>	<b>33.55</b>				
<b>Average</b>	<b>2.88</b>	<b>3.05</b>	<b>2.19</b>	<b>3.05</b>				
<b>Maximum</b>	<b>4.83</b>	<b>8.88</b>	<b>3.80</b>	<b>7.40</b>				
<b>Minimum</b>	<b>0.43</b>	<b>0.88</b>	<b>0.88</b>	<b>1.18</b>				

**B. CEMS UNIT INFORMATION**

**1. MONITORING MANUFACTURER**

Unit	Analyzer	Brand	Model Name	Model Number
600	NO <sub>x</sub>	HORIBA	CMA-EC642L2	P4RVKFUW
600	CO	HORIBA	CMA-EC642L2	P4RVKFUW
600	O <sub>2</sub>	HORIBA	CMA-EC642L2	P4RVKFUW
700	NO <sub>x</sub>	HORIBA	CMA-EC642L2	V01HV5RV
700	CO	HORIBA	CMA-EC642L2	V01HV5RV
700	O <sub>2</sub>	HORIBA	CMA-EC642L2	V01HV5RV
800	NO <sub>x</sub>	HORIBA	CMA-EC642L2	WH0B4BF6
800	CO	HORIBA	CMA-EC642L2	WH0B4BF6
800	O <sub>2</sub>	HORIBA	CMA-EC642L2	WH0B4BF6
900	NO <sub>x</sub>	HORIBA	CMA-EC642L2	P4RVKFUW
900	CO	HORIBA	CMA-EC642L2	P4RVKFUW
900	O <sub>2</sub>	HORIBA	CMA-EC642L2	P4RVKFUW

**2. DATE OF LAST CEMS CERTIFICATION OR AUDIT**

<b>Unit 600 (S-1) RATA</b>	<b>Unit 700 (S-2) RATA</b>	<b>Unit 800 (S-3) RATA</b>	<b>Unit 900 (S-4) RATA</b>
02/05/2019	02/06/2019	02/07/2019	02/08/2019
<b>Unit 600 (S-1) CGA</b>	<b>Unit 700 (S-2) CGA</b>	<b>Unit 800 (S-3) CGA</b>	<b>Unit 900 (S-4) CGA</b>
05/28/2019	05/28/2019	05/29/2019	05/29/2019
<b>Unit 600 (S-1) Linearity</b>	<b>Unit 700 (S-2) Linearity</b>	<b>Unit 800 (S-3) Linearity</b>	<b>Unit 900 (S-4) Linearity</b>
12/6/2018	12/6/2018	12/7/2018	12/7/2018



C. DAILY EMISSION SUMMARY DURING: 0 01 19 to 05/31/2019

AQ-17a/b/c/d/e/f/g: Normal Operating Emissions

6/2/2019 12:10:28 AM

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Unit Name: Mariposa Unit 600

Report Start Date/Time: Wed 05/01/2019 0:00

Report End Date/Time: Fri 05/31/2019 23:59

DATE/TIME	Max 1-Hour NOx Libs/Hr Limit 4.4	Max 1-Hour NOx@15%O2 Limit 2.5	Max 1-Hour CO Libs/Hr Limit 2.14	Max 3-Hour CO@15%O2 Limit 2.0	Max 3-Hour NH3@15%O2 Limit 5	Max 1-Hour POC Libs/Hr Limit 0.812	Max 1-Hour SO2 Libs/Hr Limit 1.947	
05/01/2019 0:00	1.7	1.8	0.68	0.8	0	0.016	0.158	
05/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
05/03/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
05/04/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
05/05/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
05/06/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
05/07/2019 0:00	2.3	2.0	1.11	1.3	1	0.021	0.213	
05/08/2019 0:00	1.8	1.9	0.99	1.0	0	0.018	0.180	
05/09/2019 0:00	0.0	0.0	0.00	0.0	0	0.000	0.000	
05/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
05/11/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
05/12/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
05/13/2019 0:00	1.2	1.4	0.84	0.4	0	0.017	0.171	
05/14/2019 0:00	2.8	1.8	1.41	1.0	1	0.025	0.245	
05/15/2019 0:00	1.2	1.5	0.80	0.4	0	0.016	0.158	
05/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
05/17/2019 0:00	2.8	1.9	1.25	1.0	1	0.024	0.235	
05/18/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
05/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
05/20/2019 0:00	2.8	1.9	1.26	1.0	1	0.024	0.238	
05/21/2019 0:00	0.2	0.5	0.11	0.2	0	0.012	0.119	
05/22/2019 0:00	1.1	1.5	0.68	0.5	0	0.018	0.181	
05/23/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
05/24/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
05/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
05/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
05/27/2019 0:00	1.7	1.7	0.97	1.0	0	0.018	0.181	
05/28/2019 0:00	0.2	0.5	0.08	0.3	0	0.016	0.157	
05/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
05/30/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
05/31/2019 0:00	Down	Down	Down	Down	Down	Down	Down	
Total								
Average	1.5	1.4	0.74	0.7	0	0.017	0.172	
Maximum	2.8	2.0	1.41	1.3	1	0.025	0.245	
Minimum	0.0	0.0	0.00	0.0	0	0.000	0.000	

AQ-17a/b/c/d/e/f/g: Normal Operating Emissions

6/2/2019 12:10:35 AM

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Unit Name: Manposa Unit 700

Report Start Date/Time: Wed 05/01/2019 0:00

Report End Date/Time: Fri 05/31/2019 23:59

DATE/TIME	Max 1 Hour NOx Lbs/Hr Limit 4.4	Max 1 Hour NOx@15%O2 Limit 2.5	Max 1 Hour CO Lbs/Hr Limit 2.14	Max 3-Hour CO@15%O2 Limit 2.0	Max 3-Hour NH3@15%O2 Limit 5	Max 1-Hour FGC Lbs/Hr Limit 0.612	Max 1 Hour SO2 Lbs/Hr Limit 1.347
05/01/2019 0:00	0.0	0.1	0.00	0.0	0	0.009	0.054
05/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/03/2019 0:00	0.0	0.0	0.00	0.0	0	0.008	0.045
05/04/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/05/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/06/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/07/2019 0:00	1.8	1.8	0.76	0.6	0	0.021	0.118
05/08/2019 0:00	0.5	0.8	0.27	0.3	0	0.018	0.103
05/09/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/11/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/12/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/13/2019 0:00	1.3	1.5	0.62	0.4	0	0.020	0.114
05/14/2019 0:00	2.3	1.6	1.37	1.0	1	0.028	0.161
05/15/2019 0:00	1.7	1.6	0.98	1.0	1	0.021	0.123
05/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/17/2019 0:00	1.6	1.5	0.99	0.9	1	0.021	0.120
05/18/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/20/2019 0:00	2.0	1.8	0.82	0.7	1	0.023	0.132
05/21/2019 0:00	1.9	1.6	0.55	0.4	1	0.023	0.129
05/22/2019 0:00	2.0	1.7	1.16	1.2	2	0.026	0.147
05/23/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/24/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/27/2019 0:00	0.5	0.8	0.31	0.3	0	0.018	0.103
05/28/2019 0:00	0.1	0.5	0.07	0.3	0	0.018	0.105
05/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/30/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/31/2019 0:00	Down	Down	Down	Down	Down	Down	Down
Total							
Average	1.2	1.2	0.61	0.5	0	0.020	0.112
Maximum	2.3	1.8	1.37	1.2	2	0.028	0.161
Minimum	0.0	0.0	0.00	0.0	0	0.008	0.045

**AQ-17a/b/c/d/e/f/g: Normal Operating Emissions**

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Unit Name: Mariposa Unit 800

Report Start Date/Time : Wed 05/01/2019 0 00

Report End Date/Time : Fri 05/31/2019 23 59

DATE/TIME	Max 1-Hour NOx Lbs/Hr Limit 4.4	Max 1-Hour NOx@15%O2 Limit 2.5	Max 1-Hour CO Lbs/Hr Limit 2.14	Max 3-Hour CO@15%O2 Limit 2.0	Max 3-Hour NH3@15%O2 Limit 5	Max 1-Hour POC Lbs/Hr Limit 0.612	Max 1 Hour SO2 Lbs/Hr Limit 1.347	
05/01/2019 0 00	0.0	0.2	0.01	0.1	0	0.013	0.064	
05/02/2019 0 00	Down	Down	Down	Down	Down	Down	Down	
05/03/2019 0 00	Down	Down	Down	Down	Down	Down	Down	
05/04/2019 0 00	Down	Down	Down	Down	Down	Down	Down	
05/05/2019 0 00	Down	Down	Down	Down	Down	Down	Down	
05/06/2019 0 00	Down	Down	Down	Down	Down	Down	Down	
05/07/2019 0 00	0.6	1.0	0.22	0.2	0	0.026	0.129	
05/08/2019 0 00	Down	Down	Down	Down	Down	Down	Down	
05/09/2019 0 00	Down	Down	Down	Down	Down	Down	Down	
05/10/2019 0 00	Down	Down	Down	Down	Down	Down	Down	
05/11/2019 0 00	Down	Down	Down	Down	Down	Down	Down	
05/12/2019 0 00	Down	Down	Down	Down	Down	Down	Down	
05/13/2019 0 00	1.2	1.3	0.60	0.4	0	0.030	0.148	
05/14/2019 0 00	2.7	1.8	1.42	1.0	1	0.041	0.204	
05/15/2019 0 00	1.1	1.3	0.60	0.5	0	0.026	0.130	
05/16/2019 0 00	0.1	0.4	0.09	0.1	0	0.023	0.116	
05/17/2019 0 00	1.6	1.7	0.78	0.6	1	0.037	0.187	
05/18/2019 0 00	Down	Down	Down	Down	Down	Down	Down	
05/19/2019 0 00	Down	Down	Down	Down	Down	Down	Down	
05/20/2019 0 00	1.5	1.5	0.61	0.3	0	0.028	0.139	
05/21/2019 0 00	0.1	0.4	0.10	0.1	0	0.020	0.100	
05/22/2019 0 00	1.8	1.8	0.88	0.5	0	0.030	0.149	
05/23/2019 0 00	Down	Down	Down	Down	Down	Down	Down	
05/24/2019 0 00	Down	Down	Down	Down	Down	Down	Down	
05/25/2019 0 00	Down	Down	Down	Down	Down	Down	Down	
05/26/2019 0 00	Down	Down	Down	Down	Down	Down	Down	
05/27/2019 0 00	0.4	0.7	0.29	0.3	0	0.026	0.129	
05/28/2019 0 00	Down	Down	Down	Down	Down	Down	Down	
05/29/2019 0 00	0.3	0.6	0.09	0.2	0	0.026	0.130	
05/30/2019 0 00	Down	Down	Down	Down	Down	Down	Down	
05/31/2019 0 00	Down	Down	Down	Down	Down	Down	Down	
<b>Total</b>								
<b>Average</b>	0.9	1.0	0.48	0.4	0	0.027	0.135	
<b>Maximum</b>	2.7	1.8	1.42	1.0	1	0.041	0.204	
<b>Minimum</b>	0.0	0.2	0.01	0.1	0	0.013	0.064	

**AQ-17a/b/c/d/e/f/g: Normal Operating Emissions**

6/2/2019 12:10:51 AM

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Unit Name: Mariposa Unit 900

Report Start Date/Time: Wed 05/01/2019 0:00

Report End Date/Time: Fri 05/31/2019 23:59

DATE/TIME	Max 1-Hour NOx Lbs/Hr Limit 4.4	Max 1-Hour NOx@15%O2 Limit 2.5	Max 1-Hour CO Lbs/Hr Limit 2.14	Max 3-Hour CO@15%O2 Limit 2.0	Max 3-Hour NH3@15%O2 Limit 5	Max 1-Hour POC Lbs/Hr Limit 0.612	Max 1-Hour SO2 Lbs/Hr Limit 1.347
05/01/2019 0:00	1.8	1.8	0.63	0.4	1	0.016	0.082
05/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/03/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/04/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/05/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/06/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/07/2019 0:00	1.6	1.6	0.86	0.5	1	0.016	0.079
05/08/2019 0:00	0.5	0.9	0.26	0.2	0	0.016	0.078
05/09/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/11/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/12/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/13/2019 0:00	2.4	1.9	1.21	1.0	1	0.022	0.109
05/14/2019 0:00	2.8	1.9	1.48	1.5	2	0.024	0.122
05/15/2019 0:00	1.1	1.4	0.58	0.4	0	0.016	0.079
05/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/17/2019 0:00	2.1	1.6	1.12	0.8	1	0.019	0.097
05/18/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/20/2019 0:00	1.9	1.8	0.75	0.4	1	0.017	0.085
05/21/2019 0:00	0.2	0.6	0.06	0.1	0	0.012	0.059
05/22/2019 0:00	1.8	1.8	0.91	0.5	0	0.018	0.091
05/23/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/24/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/27/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/29/2019 0:00	0.2	0.6	0.14	0.2	0	0.016	0.082
05/30/2019 0:00	Down	Down	Down	Down	Down	Down	Down
05/31/2019 0:00	Down	Down	Down	Down	Down	Down	Down
<b>Total</b>							
Average	1.5	1.5	0.73	0.6	1	0.017	0.087
Maximum	2.8	1.9	1.48	1.5	2	0.024	0.122
Minimum:	0.2	0.6	0.06	0.1	0	0.012	0.059

D. EXCESS EMISSIONS SUMMARY FOR NO.

Unit 600 for the period: 05/01/2019 to 05/31/2019

Duration of Excess Emissions in Reporting Period Due To:	
Startup/Shutdown	0
Control Equipment Problems	0
Process Problems	0
Other Known Causes	0
Unknown Causes	0
<b>Total Duration of Excess Emissions</b>	<b>0</b>
<b>Total Duration of Excess Emissions (percent of operating time)</b>	<b>0%</b>

Unit 700 for the period: 05/01/2019 to 05/31/2019

Duration of Excess Emissions in Reporting Period Due To:	
Startup/Shutdown	0
Control Equipment Problems	0
Process Problems	0
Other Known Causes	0
Unknown Causes	0
<b>Total Duration of Excess Emissions</b>	<b>0</b>
<b>Total Duration of Excess Emissions (percent of operating time)</b>	<b>0%</b>

Unit 800 for the period: 05/01/2019 to 05/31/2019

Duration of Excess Emissions in Reporting Period Due To:	
Startup/Shutdown	0
Control Equipment Problems	0
Process Problems	0
Other Known Causes	0
Unknown Causes	0
<b>Total Duration of Excess Emissions</b>	<b>0</b>
<b>Total Duration of Excess Emissions (percent of operating time)</b>	<b>0%</b>

Unit 900 for the period: 05/01/2019 to 05/31/2019

Duration of Excess Emissions in Reporting Period Due To:	
Startup/Shutdown	0
Control Equipment Problems	0
Process Problems	0
Other Known Causes	0
Unknown Causes	0
<b>Total Duration of Excess Emissions</b>	<b>0</b>
<b>Total Duration of Excess Emissions (percent of operating time)</b>	<b>0%</b>

F. EXCESS EMISSIONS SUMMARY FOR CO

Unit 600 for the period 05/01/2019 to 05/31/2019

Duration of Excess Emissions in Reporting Period Due To:	
Startup/Shutdown	0
Control Equipment Problems	0
Process Problems	0
Other Known Causes	0
Unknown Causes	0
<b>Total Duration of Excess Emissions</b>	<b>0</b>
<b>Total Duration of Excess Emissions (percent of operating time)</b>	<b>0%</b>

Unit 700 for the period: 05/01/2019 to 05/31/2019

Duration of Excess Emissions in Reporting Period Due To:	
Startup/Shutdown	0
Control Equipment Problems	0
Process Problems	0
Other Known Causes	0
Unknown Causes	0
<b>Total Duration of Excess Emissions</b>	<b>0</b>
<b>Total Duration of Excess Emissions (percent of operating time)</b>	<b>0%</b>

Unit 800 for the period: 05/01/2019 to 05/31/2019

Duration of Excess Emissions in Reporting Period Due To:	
Startup/Shutdown	0
Control Equipment Problems	0
Process Problems	0
Other Known Causes	0
Unknown Causes	0
<b>Total Duration of Excess Emissions</b>	<b>0</b>
<b>Total Duration of Excess Emissions (percent of operating time)</b>	<b>0%</b>

Unit 900 for the period: 05/01/2019 to 05/31/2019

Duration of Excess Emissions in Reporting Period Due To:	
Startup/Shutdown	0
Control Equipment Problems	0
Process Problems	0
Other Known Causes	0
Unknown Causes	0
<b>Total Duration of Excess Emissions</b>	<b>0</b>
<b>Total Duration of Excess Emissions (percent of operating time)</b>	<b>0%</b>

F. NO<sub>x</sub> CEMS DOWNTIME SUMMARY

Unit 600 for the period: 05/01/2019 to 05/31/2019

Source : Mariposa Unit 600 Report Start Date/Time : Wed 05/01/2019 0:00  
 CMS Parameter : NO<sub>x</sub> Report End Date/Time : Fri 05/31/2019 23:59

OPERATING DATA SUMMARY

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	51.00
Total Source Operating Time (Total Operating Minutes/60)	38.43

CMS PERFORMANCE SUMMARY

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0.00
b. Non-Monitor Equipment Malfunctions	0.00
c. Quality Assurance/Calibration	1.00
d. Other Known Causes	0.00
e. Unknown Causes	0.00
<b>Total CMS Downtime (Hours)</b>	<b>1.00</b>
<b>Total CMS Downtime (as % of Operating Hours)</b>	<b>1.96%</b>
<b>Total CMS Availability (as % of Operating Hours)</b>	<b>98.04%</b>
<b>Total CMS Availability (as % of 6-Month Operating Hours)</b>	<b>99.56%</b>

CMS DOWNTIME EVENT SUMMARY

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr : Min
5/28/2019 9:00:00 AM	CMS Downtime	NO <sub>x</sub>	Quality Assurance/Calibration	1:00

Reason: CEMS placed into Maintenance to perform CGAs  
 Action: No actions needed

Unit 700 for the period: 05/01/2019 to 05/31/2019

Source : Mariposa Unit 700 Report Start Date/Time : Wed 05/01/2019 0:00  
 CMS Parameter : NOx Report End Date/Time : Fri 05/31/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (includes partial Operating Hours)	53.00
Total Source Operating Time (Total Operating Minutes/60)	39.70

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0.00
b. Non-Monitor Equipment Malfunctions	0.00
c. Quality Assurance/Calibration	0.00
d. Other Known Causes	0.00
e. Unknown Causes	0.00
<b>Total CMS Downtime (Hours)</b>	<b>0.00</b>
<b>Total CMS Downtime (as % of Operating Hours)</b>	<b>0.00%</b>
<b>Total CMS Availability (as % of Operating Hours)</b>	<b>100.00%</b>
<b>Total CMS Availability (as % of 6-Month Operating Hours)</b>	<b>100.00%</b>

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr Min
-----------------------	----------	------	----------------------	-----------------



Unit 800 for the period: 05/01/2019 to 05/31/2019

Source : Mariposa Unit 800 Report Start Date/Time : Wed 05/01/2019 0:00  
 CMS Parameter : NOx Report End Date/Time : Fri 05/31/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	37 00
Total Source Operating Time (Total Operating Minutes/60)	26 32

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0 00
b. Non-Monitor Equipment Malfunctions	0 00
c. Quality Assurance/Calibration	1 00
d. Other Known Causes	0 00
e. Unknown Causes	0 00
<b>Total CMS Downtime (Hours)</b>	<b>1 00</b>
<b>Total CMS Downtime (as % of Operating Hours)</b>	<b>2 70%</b>
<b>Total CMS Availability (as % of Operating Hours)</b>	<b>97 30%</b>
<b>Total CMS Availability (as % of 6-Month Operating Hours)</b>	<b>99 19%</b>

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr: Min
5/29/2019 7:00:00 AM	CMS Downtime	NOx	Quality Assurance/Calibration	1:00
Reason: CEMS placed into Maintenance to perform CGAs				
Action: No actions needed				

Unit 900 for the period: 05/01/2019 to 05/31/2019

Source : Mariposa Unit 900 Report Start Date/Time : Wed 05/01/2019 0:00  
 CMS Parameter : NOx Report End Date/Time : Fri 05/31/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	46.00
Total Source Operating Time (Total Operating Minutes/60)	33.65

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0.00
b. Non-Monitor Equipment Malfunctions	0.00
c. Quality Assurance/Calibration	1.00
d. Other Known Causes	0.00
e. Unknown Causes	0.00
Total CMS Downtime (Hours)	1.00
Total CMS Downtime (as % of Operating Hours)	2.17%
Total CMS Availability (as % of Operating Hours)	97.83%
Total CMS Availability (as % of 6-Month Operating Hours)	99.60%

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr Min
5/29/2019 12:00:00 PM	CMS Downtime	NOx	Quality Assurance/Calibration	1:00
Reason: CEMS placed into Maintenance to perform CGAs				
Action: No actions needed				

G. CO CEMS DOWNTIME SUMMARY

Unit 600 for the period: 05/01/2019 to 05/31/2019

Source : Mariposa Unit 600 Report Start Date/Time : Wed 05/01/2019 0:00  
 CMS Parameter : CO Report End Date/Time : Fri 05/31/2019 23:59

OPERATING DATA SUMMARY

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	51 00
Total Source Operating Time (Total Operating Minutes/60)	38 43

CMS PERFORMANCE SUMMARY

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0 00
b. Non-Monitor Equipment Malfunctions	0 00
c. Quality Assurance/Calibration	1 00
d. Other Known Causes	0 00
e. Unknown Causes	0 00
<b>Total CMS Downtime (Hours)</b>	<b>1 00</b>
<b>Total CMS Downtime (as % of Operating Hours)</b>	<b>1.96%</b>
<b>Total CMS Availability (as % of Operating Hours)</b>	<b>98.04%</b>
<b>Total CMS Availability (as % of 6-Month Operating Hours)</b>	<b>99.56%</b>

CMS DOWNTIME EVENT SUMMARY

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr : Min
5/28/2019 9:00:00 AM	CMS Downtime	CO	Quality Assurance/Calibration	1:00
Reason: CEMS placed into Maintenance to perform CGAs				
Action: No actions needed				

Unit 700 for the period: 05/01/2019 to 05/31/2019

Source : Mariposa Unit 700 Report Start Date/Time : Wed 05/01/2019 0:00  
 CMS Parameter : CO Report End Date/Time : Fri 05/31/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	51.00
Total Source Operating Time (Total Operating Minutes/60)	39.70

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0.00
b. Non-Monitor Equipment Malfunctions	0.00
c. Quality Assurance/Calibration	0.00
d. Other Known Causes	0.00
e. Unknown Causes	0.00
<b>Total CMS Downtime (Hours)</b>	<b>0.00</b>
<b>Total CMS Downtime (as % of Operating Hours)</b>	<b>0.00%</b>
<b>Total CMS Availability (as % of Operating Hours)</b>	<b>100.00%</b>
<b>Total CMS Availability (as % of 6-Month Operating Hours)</b>	<b>100.00%</b>

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr : Min

Unit 800 for the period: 05/01/2019 to 05/31/2019

Source : Mariposa Unit 800 Report Start Date/Time : Wed 05/01/2019 0:00  
 CMS Parameter : CO Report End Date/Time : Fri 05/31/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	37.00
Total Source Operating Time (Total Operating Minutes/60)	26.32

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0.00
b. Non-Monitor Equipment Malfunctions	0.00
c. Quality Assurance/Calibration	1.00
d. Other Known Causes	0.00
e. Unknown Causes	0.00
<b>Total CMS Downtime (Hours)</b>	<b>1.00</b>
<b>Total CMS Downtime (as % of Operating Hours)</b>	<b>2.70%</b>
<b>Total CMS Availability (as % of Operating Hours)</b>	<b>97.30%</b>
<b>Total CMS Availability (as % of 6-Month Operating Hours)</b>	<b>99.19%</b>

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr Min
5/29/2019 7:00:00 AM	CMS Downtime	CO	Quality Assurance/Calibration	1:00
Reason: CEMS placed into Maintenance to perform CQA's				
Action: No actions needed				

Unit 900 for the period: 05/01/2019 to 05/31/2019

Source : Mariposa Unit 900 Report Start Date/Time : Wed 05/01/2019 0:00  
 CMS Parameter : CO Report End Date/Time : Fri 05/31/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	46 00
Total Source Operating Time (Total Operating Minutes/60)	33 55

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0 00
b. Non-Monitor Equipment Malfunctions	0 00
c. Quality Assurance/Calibration	1 00
d. Other Known Causes	0 00
e. Unknown Causes	0 00
<b>Total CMS Downtime (Hours)</b>	<b>1 00</b>
<b>Total CMS Downtime (as % of Operating Hours)</b>	<b>2.17%</b>
<b>Total CMS Availability (as % of Operating Hours)</b>	<b>97.83%</b>
<b>Total CMS Availability (as % of 6-Month Operating Hours)</b>	<b>99.60%</b>

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr : Min
5/29/2019 12:00:00 PM	CMS Downtime	CO	Quality Assurance/Calibration	1 00
Reason: CEMS placed into Maintenance to perform CGAs				
Action: No actions needed				

H. O- CEMS DOWNTIME SUMMARY

Unit 600 for the period: 05/01/2019 to 05/31/2019

Source : Mariposa Unit 600 Report Start Date/Time : Wed 05/01/2019 0:00  
 CMS Parameter : O2 Report End Date/Time : Fri 05/31/2019 23:59

OPERATING DATA SUMMARY

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	51.00
Total Source Operating Time (Total Operating Minutes/60)	39.43

CMS PERFORMANCE SUMMARY

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0.00
b. Non-Monitor Equipment Malfunctions	0.00
c. Quality Assurance/Calibration	1.00
d. Other Known Causes	0.00
e. Unknown Causes	0.00
Total CMS Downtime (Hours)	1.00
Total CMS Downtime (as % of Operating Hours)	1.96%
Total CMS Availability (as % of Operating Hours)	98.04%
Total CMS Availability (as % of 6-Month Operating Hours)	99.56%

CMS DOWNTIME EVENT SUMMARY

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr. Min
5/28/2019 9:00:00 AM	CMS Downtime	O2	Quality Assurance/Calibration	1:00

Reason: CEMS placed into Maintenance to perform CGAs  
 Action: No actions needed

Unit 700 for the period: 05/01/2019 to 05/31/2019

Source : Mariposa Unit 700 Report Start Date/Time : Wed 05/01/2019 0:00  
 CMS Parameter : O2 Report End Date/Time : Fri 05/31/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	53.00
Total Source Operating Time (Total Operating Minutes/60)	39.70

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0.00
b. Non-Monitor Equipment Malfunctions	0.00
c. Quality Assurance/Calibration	0.00
d. Other Known Causes	0.00
e. Unknown Causes	0.00
<b>Total CMS Downtime (Hours)</b>	<b>0.00</b>
<b>Total CMS Downtime (as % of Operating Hours)</b>	<b>0.00%</b>
<b>Total CMS Availability (as % of Operating Hours)</b>	<b>100.00%</b>
<b>Total CMS Availability (as % of 6-Month Operating Hours)</b>	<b>100.00%</b>

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr : Min
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Unit 800 for the period. 05/01/2019 to 05/31/2019

Source : Mariposa Unit 800 Report Start Date/Time : Wed 05/01/2019 0:00  
 CMS Parameter : O2 Report End Date/Time : Fri 05/31/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	37 00
Total Source Operating Time (Total Operating Minutes/60)	26 32

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0 00
b. Non-Monitor Equipment Malfunctions	0 00
c. Quality Assurance/Calibration	1 00
d. Other Known Causes	0 00
e. Unknown Causes	0 00
<b>Total CMS Downtime (Hours)</b>	<b>1 00</b>
<b>Total CMS Downtime (as % of Operating Hours)</b>	<b>2.70%</b>
<b>Total CMS Availability (as % of Operating Hours)</b>	<b>97.30%</b>
<b>Total CMS Availability (as % of 6-Month Operating Hours)</b>	<b>99.10%</b>

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr - Min
5/29/2019 7:00:00 AM	CMS Downtime	O2	Quality Assurance/Calibration	1 00
Reason: CEMS placed into Maintenance to perform CGAs				
Action: No actions needed				

Unit 900 for the period: 05/01/2019 to 05/31/2019

Source : Mariposa Unit 900 Report Start Date/Time : Wed 05/01/2019 0:00  
 CMS Parameter : O2 Report End Date/Time : Fri 05/31/2019 23:59

**OPERATING DATA SUMMARY**

	Hours
Total Source Operating Hours (Includes partial Operating Hours)	46.00
Total Source Operating Time (Total Operating Minutes/60)	33.55

**CMS PERFORMANCE SUMMARY**

CMS Downtime in reporting period due to:	Hours
a. Monitor Equipment Malfunctions	0.00
b. Non-Monitor Equipment Malfunctions	0.00
c. Quality Assurance/Calibration	1.00
d. Other Known Causes	0.00
e. Unknown Causes	0.00
<b>Total CMS Downtime (Hours)</b>	<b>1.00</b>
<b>Total CMS Downtime (as % of Operating Hours)</b>	<b>2.17%</b>
<b>Total CMS Availability (as % of Operating Hours)</b>	<b>97.83%</b>
<b>Total CMS Availability (as % of 6-Month Operating Hours)</b>	<b>99.50%</b>

**CMS DOWNTIME EVENT SUMMARY**

Event Start Date/Time	Category	Type	Downtime Description	Duration Hr : Min
5/29/2019 12:00:00 PM	CMS Downtime	O2	Quality Assurance/Calibration	1:00
Reason: CEMS placed into Maintenance to perform CGAs				
Action: No actions needed				

I. EXCESS EMISSIONS INFORMATION FOR THE PERIOD: 05/01/2019 to 05/31/2019

Unit 600 CEMS:

Pollutant	Limit	Compliance Averaging Period	Date/Time	Time Interval (hours)	Excess Emissions	Nature/Cause	Corrective Action	Preventive Measures
NO <sub>x</sub>	4.4	Lb/hr	n/a	n/a	n/a	n/a	n/a	n/a
NO <sub>x</sub>	2.5	ppmv, 1-hr ave.	n/a	n/a	n/a	n/a	n/a	n/a
CO	2.14	Lb/hr	n/a	n/a	n/a	n/a	n/a	n/a
CO	2.0	ppmv, 3-hr ave.	n/a	n/a	n/a	n/a	n/a	n/a

Unit 700 CEMS:

Pollutant	Limit	Compliance Averaging Period	Date/Time	Time Interval (hours)	Excess Emissions	Nature/Cause	Corrective Action	Preventive Measures
NO <sub>x</sub>	4.4	Lb/hr	n/a	n/a	n/a	n/a	n/a	n/a
NO <sub>x</sub>	2.5	ppmv, 1-hr ave.	n/a	n/a	n/a	n/a	n/a	n/a
CO	2.14	Lb/hr	n/a	n/a	n/a	n/a	n/a	n/a
CO	2.0	ppmv, 3-hr ave.	n/a	n/a	n/a	n/a	n/a	n/a

Unit 800 CEMS:

Pollutant	Limit	Compliance Averaging Period	Date/Time	Time Interval (hours)	Excess Emissions	Nature/Cause	Corrective Action	Preventive Measures
NO <sub>x</sub>	4.4	Lb/hr	n/a	n/a	n/a	n/a	n/a	n/a
NO <sub>x</sub>	2.5	ppmv, 1 hr ave.	n/a	n/a	n/a	n/a	n/a	n/a
CO	2.14	Lb/hr	n/a	n/a	n/a	n/a	n/a	n/a
CO	2.0	ppmv, 3-hr ave.	n/a	n/a	n/a	n/a	n/a	n/a

Unit 900 CEMS:

Pollutant	Limit	Compliance Averaging Period	Date/Time	Time Interval (hours)	Excess Emissions	Nature/Cause	Corrective Action	Preventive Measures
NO <sub>x</sub>	4.4	Lb/hr	n/a	n/a	n/a	n/a	n/a	n/a
NO <sub>x</sub>	2.5	ppmv, 1-hr ave.	n/a	n/a	n/a	n/a	n/a	n/a
CO	2.14	Lb/hr	n/a	n/a	n/a	n/a	n/a	n/a
CO	2.0	ppmv, 3-hr ave.	n/a	n/a	n/a	n/a	n/a	n/a

J. CEMS MONITOR DOWNTIME INFORMATION FOR THE PERIOD: 05/01/2019 to 05/31/2019

Unit 600 (Source S-1):

Description	Date/Time	Monitor	Nature/Cause	Corrective Action
No Downtime	N/A	NOx	N/A	N/A
No Downtime	N/A	CO	N/A	N/A
No Downtime	N/A	O <sub>2</sub>	N/A	N/A

Unit 700 (Source S-2):

Description	Date/Time	Monitor	Nature/Cause	Corrective Action
No Downtime	N/A	NOx	N/A	N/A
No Downtime	N/A	CO	N/A	N/A
No Downtime	N/A	O <sub>2</sub>	N/A	N/A

Unit 800 (Source S-3):

Description	Date/Time	Monitor	Nature/Cause	Corrective Action
No Downtime	N/A	NOx	N/A	N/A
No Downtime	N/A	CO	N/A	N/A
No Downtime	N/A	O <sub>2</sub>	N/A	N/A

Unit 900 (Source S-4):

Description	Date/Time	Monitor	Nature/Cause	Corrective Action
No Downtime	N/A	NOx	N/A	N/A
No Downtime	N/A	CO	N/A	N/A
No Downtime	N/A	O <sub>2</sub>	N/A	N/A

**K. RELATIVE ACCURACY TEST AUDITS (RATAs)**

Unit 600 RATA performed on 02/05/2019

Unit 800 RATA performed on 02/06/2019

Unit 700 RATA performed on 02/07/2019

Unit 900 RATA performed on 02/08/2019

**L. CYLINDER GAS AUDITS (CGAs) AND LINEARITY TESTS**

Unit 600 CGA performed on 05/28/2019

Unit 800 CGA performed on 05/29/2019

Unit 700 CGA performed on 05/28/2019

Unit 900 CGA performed on 05/29/2019

Unit 600 Linearity Test performed on 3/31/2019

Unit 800 Linearity Test performed on 3/31/2019

Unit 700 Linearity Test performed on 3/31/2019

Unit 900 Linearity Test performed on 3/31/2019

**CERTIFICATION**

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

Name: Wayne Forsyth

Signature:  \_\_\_\_\_

Title: EHS & Regulatory Manager

Date: 6-11-19 \_\_\_\_\_



## 2014 COMPLIANCE - ACID RAIN PROGRAM / CAIR SO2 ANNUAL PROGRAM

### Compliance Results

Draft compliance has been automatically run for all of your facilities for which all of the appropriate emissions data for the compliance period has been submitted. The results are shown in the table below; any facilities with excess emissions are listed in a pop-up box.

You may run 'draft' compliance again for a facility by checking the box next to the account number and clicking the 'Select' button below the table. A pop-up box will appear stating 'Your changes have been saved.' Click 'OK,' then review the information for that facility; 'Draft' will be denoted in the 'Compliance Status' column until final compliance is run for that facility. If a 0 (zero) appears in the 'Excess Emissions' column, that means there are currently enough allowances in the compliance account for the facility to cover its emissions. You may run draft compliance for a facility as many times as you wish (e.g., after allowance transfers or emissions data resubmissions) until final compliance is run for that facility.

After the allowance transfer deadline, you may run final compliance for a facility if the term 'Accepted' is denoted in the 'Emissions Data Status' column for that facility. To do so, (1) select a facility by checking the box next to the account number, (2) check the box at the bottom of the table that reads 'Check to run final compliance' (this box will not be visible on the screen until the day after the allowance transfer deadline) and (3) click the 'Select' button.

Do not run final compliance if your emissions data are not final. If, for a specific facility, you resubmit emissions data after running final compliance for that facility, and the newly reported emissions are less than the emissions were at the time final compliance was run, the emissions tonnage difference in allowances will NOT be returned to you.

If you have any questions, contact Kenon Smith (202-343-9164) or Paula Branch (202-343-9168).

### Results for Selected Facilities

Facility ID (ORISPL)	Facility Name	State	Run Status	Program	Allowances Held 1:1	Allowances Held 2:1	Emissions (tons)	Under-utilization Liability	Total Liability	Excess Emissions	Compliance Status	Compliance Run Date	Emissions Data Status	Last Updated By	Last Updated
057483FACILITY	Mariposa Energy Project	CA	Success	ARP	2	0	0	0	0	0	Draft	02/03/2015	Pending	Forsyth Wayne	02/03/2015 12:53:39

Continue

**Attachment 17**

**Conditions AQ-39, AQ-40  
S-6 Emergency Fire Pump  
Operation Report  
(BAAQMD Condition 22850, Parts 1 & 2)**

**Conditions AQ-39, AQ-40 5-5 Emergency Fire Pump Operation Report**

**S-6 Diesel Fire Pump Driver Operating Log**

Engine J16H-UFADM8 (Clark Fire Pump Engine Model Designation)  
 Model: 6068HFC28A,B,C,D (John Deere Engine Model Designation)  
 Size: 175 BHP 2011 Model Year  
 Facility: Mariposa Energy Center, BAAQMD Plant 19730 (B9730)  
 Source No: 6

EPA Engine Family: BJDXL06.8120  
 Fuel Type: CARB Diesel

Denotes Entry Cell

Location: Diesel Fire Pump Room, Mariposa Energy Center

Date	At Start Timer Reading	At Stop Timer Reading	Maintenance & Testing Hours/ Emergency Operation Hours	Operator initials	Actual Maintenance & Testing Hours	Emergency Operation Hours	Tank Level	Net Fuel Use	Cumulative Fuel Use
9/28/2012	0.0	1.6	Maintenance & Testing	DC	1.6	0	100%	16.6 gal	16.6 gal
10/21/2012	1.6	2.1	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	21.8 gal
10/29/2012	2.1	2.6	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	27.0 gal
11/7/2012	2.6	3.1	Maintenance & Testing	DC	0.5	0	75%	5.2 gal	32.2 gal
11/12/2012	3.1	3.6	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	37.4 gal
11/21/2012	3.6	4.1	Maintenance & Testing	CC	0.5	0	75%	5.2 gal	42.6 gal
11/26/2012	4.1	4.6	Maintenance & Testing	DC	0.5	0	75%	5.2 gal	47.8 gal
12/3/2012	4.6	5.1	Maintenance & Testing	DC	0.5	0	75%	5.2 gal	53.0 gal
12/13/2012	5.1	5.6	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	58.2 gal
12/18/2012	5.6	6.1	Maintenance & Testing	CC	0.5	0	75%	5.2 gal	63.4 gal
12/27/2012	6.1	6.6	Maintenance & Testing	JR	0.5	0	100%	5.2 gal	68.6 gal
1/3/2013	6.6	7.1	Maintenance & Testing	DC	0.5	0	100%	5.2 gal	73.8 gal
1/10/2013	7.1	7.6	Maintenance & Testing	JM	0.5	0	87%	5.2 gal	79.0 gal
1/16/2013	7.6	8.1	Maintenance & Testing	CC	0.5	0	87%	5.2 gal	84.2 gal
1/22/2013	8.1	8.5	Maintenance & Testing	RR	0.4	0	87%	4.2 gal	88.4 gal
1/30/2013	8.5	9.1	Maintenance & Testing	DC	0.6	0	87%	6.2 gal	94.6 gal
2/7/2013	9.1	9.6	Maintenance & Testing	JM	0.5	0	87%	5.2 gal	99.8 gal
2/14/2013	9.6	10.1	Maintenance & Testing	RR	0.5	0	87%	5.2 gal	105.0 gal
2/18/2013	10.1	10.6	Maintenance & Testing	RR	0.5	0	87%	5.2 gal	110.2 gal
2/25/2013	10.6	11.1	Maintenance & Testing	DC	0.5	0	87%	5.2 gal	115.4 gal
3/4/2013	11.1	11.6	Maintenance & Testing	JM	0.5	0	87%	5.2 gal	120.6 gal
3/10/2013	11.6	12.1	Maintenance & Testing	RR	0.5	0	87%	5.2 gal	125.8 gal
3/16/2013	12.1	12.6	Maintenance & Testing	RR	0.5	0	87%	5.2 gal	131.0 gal
3/26/2013	12.6	13.1	Maintenance & Testing	DC	0.5	0	75%	5.2 gal	136.2 gal
4/1/2013	13.1	13.6	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	141.4 gal
4/8/2013	13.6	14.1	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	146.6 gal
4/17/2013	14.1	14.6	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	151.8 gal
4/25/2013	14.6	15.1	Maintenance & Testing	D	0.5	0	75%	5.2 gal	157.0 gal
5/1/2013	15.1	15.6	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	162.2 gal
5/8/2013	15.6	16.1	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	167.4 gal
5/15/2013	16.1	16.6	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	172.6 gal
5/21/2013	16.6	17.1	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	177.8 gal
5/28/2013	17.1	17.6	Maintenance & Testing	RR	0.5	0	100%	5.2 gal	183.0 gal
6/4/2013	17.6	18.1	Maintenance & Testing	AC	0.5	0	100%	5.2 gal	188.2 gal
6/12/2013	18.1	18.6	Maintenance & Testing	RR	0.5	0	100%	5.2 gal	193.4 gal
6/17/2013	18.6	19.1	Maintenance & Testing	RR	0.5	0	100%	5.2 gal	198.6 gal
6/25/2013	19.1	19.6	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	203.8 gal
7/3/2013	19.6	20.1	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	209.0 gal
7/8/2013	20.1	20.6	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	214.2 gal
7/15/2013	20.6	21.1	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	219.4 gal
7/22/2013	21.1	21.6	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	224.6 gal
7/29/2013	21.6	22.1	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	229.8 gal
8/5/2013	22.1	22.6	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	235.0 gal



**Conditions AQ-39, AQ-40 S-5 Emergency Fire Pump Operation Report**

**S-6 Diesel Fire Pump Driver Operating Log**

Engine JU6H-UFADM8 (Clark Fire Pump Engine Model Designation)  
 Model: 6068HFC28A,B,C,D (John Deere Engine Model Designation) EPA Engine Family: BJDXL06.8120  
 Size: 175 BHP 2011 Model Year Fuel Type: CARB Diesel  
 Facility: Mariposa Energy Center, BAAQMD Plant 19730 (B9730)  
 Source No: 6 Denotes Entry Cell

Location: Diesel Fire Pump Room, Mariposa Energy Center

Date	At Start Timer Reading	At Stop Timer Reading	Maintenance & Testing Hours/ Emergency Operation Hours	Operator initials	Actual Maintenance & Testing Hours	Emergency Operation Hours	Tank Level	Net Fuel Use	Cumulative Fuel Use
8/12/2013	22.6	23.1	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	240.2 gal
8/19/2013	23.1	23.6	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	245.4 gal
8/26/2013	23.6	24.1	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	250.6 gal
9/4/2013	24.1	24.6	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	255.8 gal
9/10/2013	24.6	25.1	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	261.0 gal
9/16/2013	25.1	25.6	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	266.2 gal
9/25/2013	25.6	26.1	Maintenance & Testing	DC	0.5	0	75%	5.2 gal	271.4 gal
10/1/2013	26.1	26.6	Maintenance & Testing	DC	0.5	0	75%	5.2 gal	276.6 gal
10/8/2013	26.6	27.1	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	281.8 gal
10/14/2013	27.1	27.6	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	287.0 gal
10/21/2013	27.6	28.1	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	292.2 gal
10/28/2013	28.1	28.6	Maintenance & Testing	DC	0.5	0	75%	5.2 gal	297.4 gal
11/5/2013	28.6	29.1	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	302.6 gal
11/14/2013	29.1	29.6	Maintenance & Testing	CC	0.5	0	75%	5.2 gal	307.8 gal
11/21/2013	29.6	30.1	Maintenance & Testing	RR	0.5	0	100%	5.2 gal	313.0 gal
11/26/2013	30.1	30.6	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	318.2 gal
12/3/2013	30.6	31.1	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	323.4 gal
12/10/2013	31.1	31.6	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	328.6 gal
12/19/2013	31.6	32.1	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	333.8 gal
12/24/2013	32.1	32.6	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	339.0 gal
12/31/2013	32.6	33.1	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	344.2 gal
1/7/2014	33.1	33.6	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	349.4 gal
1/14/2014	33.6	34.1	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	354.6 gal
1/21/2014	34.1	34.6	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	359.8 gal
1/28/2014	34.6	35.1	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	365.0 gal
2/4/2014	35.1	35.6	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	370.2 gal
2/12/2014	35.6	36.1	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	375.4 gal
2/19/2014	36.1	36.6	Maintenance & Testing	DC	0.5	0	80%	5.2 gal	380.6 gal
2/26/2014	36.6	37.1	Maintenance & Testing	DC	0.5	0	80%	5.2 gal	385.8 gal
3/4/2014	37.1	37.6	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	391.0 gal
3/12/2014	37.6	38.1	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	396.2 gal
3/22/2014	38.1	38.6	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	401.4 gal
3/25/2014	38.6	39.1	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	406.6 gal
4/1/2014	39.1	39.6	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	411.8 gal
4/8/2014	39.6	40.1	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	417.0 gal
4/11/2014	40.1	40.6	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	422.2 gal
4/22/2014	40.6	41.1	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	427.4 gal
4/28/2014	41.1	41.6	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	432.6 gal
5/6/2014	41.6	42.1	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	437.8 gal
5/12/2014	42.1	42.6	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	443.0 gal
5/18/2014	42.6	43.1	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	448.2 gal
5/26/2014	43.1	43.6	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	453.4 gal
6/5/2014	43.6	44.1	Maintenance & Testing	CC	0.5	0	75%	5.2 gal	458.6 gal

**Conditions AQ-39, AQ-40 S-5 Emergency Fire Pump Operation Report**

**S-6 Diesel Fire Pump Driver Operating Log**

Engine **JU6H-UFAOM8** (Clark Fire Pump Engine Model Designation)  
 Model: **6068HFC28A,B,C,D** (John Deere Engine Model Designation)  
 Size: **175 BHP** 2011 Model Year  
 Facility: **Mariposa Energy Center, BAAQMD Plant 19730 (B9730)**  
 Source No: **6**

EPA Engine Family: **BJDXL06.8120**  
 Fuel Type: **CARB Diesel**

Denotes Entry Cell

Location: Diesel Fire Pump Room, Mariposa Energy Center

Date	At Start Timer Reading	At Stop Timer Reading	Maintenance & Testing Hours/ Emergency Operation Hours	Operator initials	Actual Maintenance & Testing Hours	Emergency Operation Hours	Tank Level	Net Fuel Use	Cumulative Fuel Use
6/12/2014	44.1	44.6	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	463.8 gal
6/18/2014	44.6	45.1	Maintenance & Testing	DC	0.5	0	75%	5.2 gal	469.0 gal
6/26/2014	45.1	45.6	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	474.2 gal
7/2/2014	45.6	46.1	Maintenance & Testing	CC	0.5	0	100%	5.2 gal	479.4 gal
7/8/2014	46.1	46.6	Maintenance & Testing	RR	0.5	0	100%	5.2 gal	484.6 gal
7/15/2014	46.6	47.1	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	489.8 gal
7/21/2014	47.1	47.6	Maintenance & Testing	DC	0.5	0	100%	5.2 gal	495.0 gal
7/30/2014	47.6	48.1	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	500.2 gal
8/5/2014	48.1	48.6	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	505.4 gal
8/14/2014	48.6	49.1	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	510.6 gal
8/20/2014	49.1	49.6	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	515.8 gal
8/26/2014	49.6	50.1	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	521.0 gal
9/1/2014	50.1	50.6	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	526.2 gal
9/10/2014	50.6	51.1	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	531.4 gal
9/16/2014	51.1	51.6	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	536.6 gal
9/22/2014	51.6	52.1	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	541.8 gal
10/1/2014	52.1	52.6	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	547.0 gal
10/16/2014	52.6	53.1	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	552.2 gal
10/21/2014	53.1	53.6	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	557.4 gal
10/27/2014	53.6	54.1	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	562.6 gal
11/3/2014	54.1	54.6	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	567.8 gal
11/14/2014	54.6	55.1	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	573.0 gal
11/18/2014	55.1	55.6	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	578.2 gal
11/25/2014	55.6	56.1	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	583.4 gal
12/3/2014	56.1	56.6	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	588.6 gal
12/10/2014	56.6	57.1	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	593.8 gal
12/16/2014	57.1	57.6	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	599.0 gal
12/23/2014	57.6	58.1	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	604.2 gal
12/31/2014	58.1	58.6	Maintenance & Testing	DC	0.5	0	75%	5.2 gal	609.4 gal
1/8/2015	58.6	59.1	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	614.6 gal
1/15/2015	59.1	59.6	Maintenance & Testing	CC	0.5	0	75%	5.2 gal	619.8 gal
1/21/2015	59.6	60.1	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	625.0 gal
1/29/2015	60.1	60.6	Maintenance & Testing	DC	0.5	0	75%	5.2 gal	630.2 gal
2/4/2015	60.6	61.1	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	635.4 gal
2/10/2015	61.1	61.6	Maintenance & Testing	CC	0.5	0	100%	5.2 gal	640.6 gal
2/16/2015	61.6	62.1	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	645.8 gal
2/24/2015	62.1	62.6	Maintenance & Testing	DC	0.5	0	100%	5.2 gal	651.0 gal
3/4/2015	62.6	63.1	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	656.2 gal
3/11/2015	63.1	63.6	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	661.4 gal
3/18/2015	63.6	64.1	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	666.6 gal
3/25/2015	64.1	64.6	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	671.8 gal
3/31/2015	64.6	65.1	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	677.0 gal
4/7/2015	65.1	65.6	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	682.2 gal

**Conditions AQ-39, AQ-40 S-5 Emergency Fire Pump Operation Report**

**S-6 Diesel Fire Pump Driver Operating Log**

Engine JU6H-LFADM8 (Clark Fire Pump Engine Model Designation)  
 Model: 6068HFC28A,B,C,D (John Deere Engine Model Designation)  
 Size: 175 BHP 2011 Model Year  
 Facility: Mariposa Energy Center, BAAQMD Plant 19730 (B9730)  
 Source No: 6

EPA Engine Family: BJDXL06.8120  
 Fuel Type: CARB Diesel

Denotes Entry Cell

Location: Diesel Fire Pump Room, Mariposa Energy Center

Date	At Start Timer Reading	At Stop Timer Reading	Maintenance & Testing Hours/ Emergency Operation Hours	Operator initials	Actual Maintenance & Testing Hours	Emergency Operation Hours	Tank Level	Net Fuel Use	Cumulative Fuel Use
4/15/2015	65.6	66.1	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	687.4 gal
4/23/2015	66.1	66.6	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	692.6 gal
4/27/2015	66.6	67.1	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	697.8 gal
5/5/2015	67.1	67.6	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	703.0 gal
5/14/2015	67.6	68.1	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	708.2 gal
5/21/2015	68.1	68.6	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	713.4 gal
5/27/2015	68.6	69.1	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	718.6 gal
6/4/2015	69.1	69.6	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	723.8 gal
6/10/2015	69.6	70.1	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	729.0 gal
6/18/2015	70.1	70.6	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	734.2 gal
6/24/2015	70.6	71.1	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	739.4 gal
6/30/2015	71.1	71.6	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	744.6 gal
7/8/2015	71.6	72.1	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	749.8 gal
7/15/2015	72.1	72.6	Maintenance & Testing	DC	0.5	0	75%	5.2 gal	755.0 gal
7/22/2015	72.6	73.1	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	760.2 gal
7/29/2015	73.1	73.6	Maintenance & Testing	CC	0.5	0	75%	5.2 gal	765.4 gal
8/3/2015	73.6	74.1	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	770.6 gal
8/11/2015	74.1	74.6	Maintenance & Testing	DC	0.5	0	75%	5.2 gal	775.8 gal
8/19/2015	74.6	75.1	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	781.0 gal
8/25/2015	75.1	75.6	Maintenance & Testing	CC	0.5	0	75%	5.2 gal	786.2 gal
9/1/2015	75.6	76.1	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	791.4 gal
9/7/2015	76.1	76.6	Maintenance & Testing	DC	0.5	0	75%	5.2 gal	796.6 gal
9/15/2015	76.6	77.1	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	801.8 gal
9/22/2015	77.1	77.6	Maintenance & Testing	CC	0.5	0	100%	5.2 gal	807.0 gal
9/28/2015	77.6	77.6	Maintenance & Testing	RR	0.0	0	100%	0.0 gal	807.0 gal
10/9/2015	77.6	78.1	Maintenance & Testing	RR	0.5	0	100%	5.2 gal	812.2 gal
10/15/2015	78.1	78.6	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	817.4 gal
10/20/2015	78.6	79.1	Maintenance & Testing	CC	0.5	0	100%	5.2 gal	822.6 gal
10/26/2015	79.1	79.6	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	827.8 gal
11/4/2015	79.6	80.1	Maintenance & Testing	JM	0.5	0	95%	5.2 gal	833.0 gal
11/11/2015	80.1	80.6	Maintenance & Testing	JM	0.5	0	95%	5.2 gal	838.2 gal
11/16/2015	80.6	81.1	Maintenance & Testing	JM	0.5	0	95%	5.2 gal	843.4 gal
11/24/2015	81.1	81.6	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	848.6 gal
12/1/2015	81.6	82.1	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	853.8 gal
12/6/2015	82.1	82.6	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	859.0 gal
12/13/2015	82.6	83.1	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	864.2 gal
12/20/2015	83.1	83.6	Maintenance & Testing	CC	0.5	0	85%	5.2 gal	869.4 gal
12/27/2015	83.6	84.1	Maintenance & Testing	RR	0.5	0	85%	5.2 gal	874.6 gal
1/6/2016	84.1	84.6	Maintenance & Testing	JM	0.5	0	85%	5.2 gal	879.8 gal
1/13/2016	84.6	85.1	Maintenance & Testing	CC	0.5	0	85%	5.2 gal	885.0 gal
1/20/2016	85.1	85.6	Maintenance & Testing	JM	0.5	0	85%	5.2 gal	890.2 gal
1/26/2016	85.6	86.1	Maintenance & Testing	JM	0.5	0	85%	5.2 gal	895.4 gal
2/3/2016	86.1	86.6	Maintenance & Testing	JM	0.5	0	85%	5.2 gal	900.6 gal

**Conditions AQ-39, AQ-40 S-5 Emergency Fire Pump Operation Report**

**S-6 Diesel Fire Pump Driver Operating Log**

Engine **JU6H-UFADM8** (Clark Fire Pump Engine Model Designation)  
 Model: **6068HFC28A,B,C,D** (John Deere Engine Model Designation) EPA Engine Family: **BJDXL06.8120**  
 Size: **175 BHP** 2011 Model Year Fuel Type: **CARB Diesel**  
 Facility: **Mariposa Energy Center, BAAQMD Plant 19730 (B9730)**  
 Source No: **6** Denotes Entry Cell

Location: Diesel Fire Pump Room, Mariposa Energy Center

Date	At Start Timer Reading	At Stop Timer Reading	Maintenance & Testing Hours/ Emergency Operation Hours	Operator Initials	Actual Maintenance & Testing Hours	Emergency Operation Hours	Tank Level	Net Fuel Use	Cumulative Fuel Use
2/9/2016	86.6	87.1	Maintenance & Testing	FP	0.5	0	85%	5.2 gal	905.8 gal
2/16/2016	87.1	87.6	Maintenance & Testing	RR	0.5	0	85%	5.2 gal	911.0 gal
2/24/2016	87.6	88.1	Maintenance & Testing	FP	0.5	0	85%	5.2 gal	916.2 gal
3/3/2016	88.1	88.6	Maintenance & Testing	FP	0.5	0	85%	5.2 gal	921.4 gal
3/8/2016	88.6	89.1	Maintenance & Testing	CC	0.5	0	85%	5.2 gal	926.6 gal
3/14/2016	89.1	89.6	Maintenance & Testing	RR	0.5	0	85%	5.2 gal	931.8 gal
3/21/2016	89.6	90.1	Maintenance & Testing	RR	0.5	0	85%	5.2 gal	937.0 gal
3/31/2016	90.1	90.6	Maintenance & Testing	FP	0.5	0	85%	5.2 gal	942.2 gal
4/6/2016	90.6	91.1	Maintenance & Testing	CC	0.5	0	85%	5.2 gal	947.4 gal
4/11/2016	91.1	91.6	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	952.6 gal
4/25/2016	91.6	92.1	Maintenance & Testing	FP	0.5	0	88%	5.2 gal	957.8 gal
5/2/2016	92.1	92.6	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	963.0 gal
5/9/2016	92.6	93.1	Maintenance & Testing	RR	0.5	0	80%	5.2 gal	968.2 gal
5/16/2016	93.1	93.6	Maintenance & Testing	JM	0.5	0	80%	5.2 gal	973.4 gal
5/23/2016	93.6	94.1	Maintenance & Testing	FP	0.5	0	80%	5.2 gal	978.6 gal
5/30/2016	94.1	94.6	Maintenance & Testing	RR	0.5	0	80%	5.2 gal	983.8 gal
6/6/2016	94.6	95.1	Maintenance & Testing	FP	0.5	0	80%	5.2 gal	989.0 gal
6/13/2016	95.1	95.6	Maintenance & Testing	JM	0.5	0	80%	5.2 gal	994.2 gal
6/20/2016	95.6	96.1	Maintenance & Testing	FP	0.5	0	80%	5.2 gal	999.4 gal
6/27/2016	96.1	96.6	Maintenance & Testing	FP	0.5	0	80%	5.2 gal	1004.6 gal
7/4/2016	96.6	97.1	Maintenance & Testing	RR	0.5	0	80%	5.2 gal	1009.8 gal
7/11/2016	97.1	97.6	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	1015.0 gal
7/18/2016	97.6	98.1	Maintenance & Testing	FP	0.5	0	100%	5.2 gal	1020.2 gal
7/25/2016	98.1	98.6	Maintenance & Testing	CC	0.5	0	95%	5.2 gal	1025.4 gal
8/1/2016	98.6	99.1	Maintenance & Testing	RR	0.5	0	95%	5.2 gal	1030.6 gal
8/8/2016	99.1	99.6	Maintenance & Testing	JM	0.5	0	90%	5.2 gal	1035.8 gal
8/15/2016	99.6	100.1	Maintenance & Testing	JM	0.5	0	90%	5.2 gal	1041.0 gal
8/22/2016	100.1	100.6	Maintenance & Testing	CC	0.5	0	85%	5.2 gal	1046.2 gal
8/29/2016	100.6	101.1	Maintenance & Testing	RR	0.5	0	85%	5.2 gal	1051.4 gal
9/5/2016	101.1	101.6	Maintenance & Testing	JM	0.5	0	85%	5.2 gal	1056.6 gal
9/12/2016	101.6	102.1	Maintenance & Testing	FP	0.5	0	85%	5.2 gal	1061.8 gal
9/19/2016	102.1	102.6	Maintenance & Testing	CC	0.5	0	85%	5.2 gal	1067.0 gal
9/26/2016	102.6	103.1	Maintenance & Testing	RR	0.5	0	85%	5.2 gal	1072.2 gal
10/8/2016	103.1	103.6	Maintenance & Testing	RR	0.5	0	85%	5.2 gal	1077.4 gal
10/10/2016	103.6	104.1	Maintenance & Testing	FP	0.5	0	85%	5.2 gal	1082.6 gal
10/17/2016	104.1	104.6	Maintenance & Testing	CC	0.5	0	85%	5.2 gal	1087.8 gal
10/24/2016	104.6	105.1	Maintenance & Testing	RR	0.5	0	85%	5.2 gal	1093.0 gal
10/31/2016	105.1	105.6	Maintenance & Testing	JM	0.5	0	80%	5.2 gal	1098.2 gal
11/7/2016	105.6	106.1	Maintenance & Testing	FP	0.5	0	80%	5.2 gal	1103.4 gal
11/14/2016	106.1	106.6	Maintenance & Testing	CC	0.5	0	80%	5.2 gal	1108.6 gal
11/21/2016	106.6	107.1	Maintenance & Testing	RR	0.5	0	80%	5.2 gal	1113.8 gal
11/28/2016	107.1	107.6	Maintenance & Testing	JM	0.5	0	80%	5.2 gal	1119.0 gal
12/5/2016	107.6	108.1	Maintenance & Testing	FP	0.5	0	100%	5.2 gal	1124.2 gal

**Conditions AQ-39, AQ-40 5-5 Emergency Fire Pump Operation Report**

**S-6 Diesel Fire Pump Driver Operating Log**

Engine JU6H-UFADM8 (Clark Fire Pump Engine Model Designation)  
 Model: 6068HFC28A,B,C,D (John Deere Engine Model Designation) EPA Engine Family: BJDXL06.8120  
 Size: 175 BHP 2011 Model Year Fuel Type: CARB Diesel  
 Facility: Mariposa Energy Center, BAAQMD Plant 19730 (B9730)  
 Source No: 6 Denotes Entry Cell

Location: Diesel Fire Pump Room, Mariposa Energy Center

Date	At Start Timer Reading	At Stop Timer Reading	Maintenance & Testing Hours/ Emergency Operation Hours	Operator initials	Actual Maintenance & Testing Hours	Emergency Operation Hours	Tank Level	Net Fuel Use	Cumulative Fuel Use
12/12/2016	108.1	108.6	Maintenance & Testing	CC	0.5	0	100%	5.2 gal	1129.4 gal
12/19/2016	108.6	109.1	Maintenance & Testing	RR	0.5	0	100%	5.2 gal	1134.6 gal
12/26/2016	109.1	109.6	Maintenance & Testing	JM	0.5	0	95%	5.2 gal	1139.8 gal
1/2/2017	109.6	110.1	Maintenance & Testing	FP	0.5	0	100%	5.2 gal	1145.0 gal
1/9/2017	110.1	110.6	Maintenance & Testing	CC	0.5	0	100%	5.2 gal	1150.2 gal
1/16/2017	110.6	111.1	Maintenance & Testing	RR	0.5	0	95%	5.2 gal	1155.4 gal
1/23/2017	111.1	111.6	Maintenance & Testing	JM	0.5	0	95%	5.2 gal	1160.6 gal
1/30/2017	111.6	112.1	Maintenance & Testing	FP	0.5	0	95%	5.2 gal	1165.8 gal
2/6/2017	112.1	112.6	Maintenance & Testing	CC	0.5	0	90%	5.2 gal	1171.0 gal
2/13/2017	112.6	113.1	Maintenance & Testing	RR	0.5	0	90%	5.2 gal	1176.2 gal
2/20/2017	113.1	113.6	Maintenance & Testing	JM	0.5	0	90%	5.2 gal	1181.4 gal
2/27/2017	113.6	114.1	Maintenance & Testing	FP	0.5	0	85%	5.2 gal	1186.6 gal
3/6/2017	114.1	114.6	Maintenance & Testing	CC	0.5	0	85%	5.2 gal	1191.8 gal
3/13/2017	114.6	115.1	Maintenance & Testing	RR	0.5	0	85%	5.2 gal	1197.0 gal
3/20/2017	115.1	115.6	Maintenance & Testing	JM	0.5	0	80%	5.2 gal	1202.2 gal
3/27/2017	115.6	116.1	Maintenance & Testing	FP	0.5	0	80%	5.2 gal	1207.4 gal
4/3/2017	116.1	116.6	Maintenance & Testing	JM	0.5	0	80%	5.2 gal	1212.6 gal
4/10/2017	116.6	117.1	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	1217.8 gal
4/17/2017	117.1	117.6	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	1223.0 gal
4/24/2017	117.6	118.1	Maintenance & Testing	FP	0.5	0	100%	5.2 gal	1228.2 gal
5/1/2017	118.1	118.6	Maintenance & Testing	CC	0.5	0	100%	5.2 gal	1233.4 gal
5/8/2017	118.6	119.1	Maintenance & Testing	RR	0.5	0	100%	5.2 gal	1238.6 gal
5/15/2017	119.1	119.6	Maintenance & Testing	FP	0.5	0	95%	5.2 gal	1243.8 gal
5/22/2017	119.6	120.1	Maintenance & Testing	FP	0.5	0	95%	5.2 gal	1249.0 gal
5/29/2017	120.1	120.6	Maintenance & Testing	CC	0.5	0	95%	5.2 gal	1254.2 gal
6/5/2017	120.6	121.1	Maintenance & Testing	CC	0.5	0	95%	5.2 gal	1259.4 gal
6/12/2017	121.1	121.6	Maintenance & Testing	JM	0.5	0	90%	5.2 gal	1264.6 gal
6/19/2017	121.6	122.1	Maintenance & Testing	FP	0.5	0	90%	5.2 gal	1269.8 gal
6/26/2017	122.1	122.6	Maintenance & Testing	CC	0.5	0	90%	5.2 gal	1275.0 gal
7/3/2017	122.6	123.1	Maintenance & Testing	JM	0.5	0	90%	5.2 gal	1280.2 gal
7/10/2017	123.1	123.6	Maintenance & Testing	RR	0.5	0	90%	5.2 gal	1285.4 gal
7/17/2017	123.6	124.1	Maintenance & Testing	FP	0.5	0	90%	5.2 gal	1290.6 gal
7/24/2017	124.1	124.6	Maintenance & Testing	CC	0.5	0	80%	5.2 gal	1295.8 gal
7/31/2017	124.6	125.1	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	1301.0 gal
8/7/2017	125.1	125.6	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	1306.2 gal
8/14/2017	125.6	126.1	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	1311.4 gal
8/21/2017	126.1	126.6	Maintenance & Testing	CC	0.5	0	100%	5.2 gal	1316.6 gal
8/28/2017	126.6	127.1	Maintenance & Testing	RR	0.5	0	95%	5.2 gal	1321.8 gal
9/3/2017	127.1	127.6	Maintenance & Testing	JM	0.5	0	95%	5.2 gal	1327.0 gal
9/11/2017	127.6	128.1	Maintenance & Testing	FP	0.5	0	95%	5.2 gal	1332.2 gal
9/18/2017	128.1	128.6	Maintenance & Testing	FP	0.5	0	90%	5.2 gal	1337.4 gal
9/26/2017	128.6	129.1	Maintenance & Testing	RR	0.5	0	90%	5.2 gal	1342.6 gal
10/3/2017	129.1	129.6	Maintenance & Testing	JM	0.5	0	90%	5.2 gal	1347.8 gal

**Conditions AQ-39, AQ-40 5-5 Emergency Fire Pump Operation Report**

**S-6 Diesel Fire Pump Driver Operating Log**

Engine JU6H-UFADM8 (Clark Fire Pump Engine Model Designation)  
 Model: 6068HFC28A,B,C,D (John Deere Engine Model Designation)  
 Size: 175 BHP 2011 Model Year  
 Facility: Mariposa Energy Center, BAAQMD Plant 19730 (B9730)  
 Source No: 6

EPA Engine Family: BJDXL06.8120  
 Fuel Type: CARB Diesel

Denotes Entry Cell

Location: Diesel Fire Pump Room, Mariposa Energy Center

Date	At Start Timer Reading	At Stop Timer Reading	Maintenance & Testing Hours/ Emergency Operation Hours	Operator initials	Actual Maintenance & Testing Hours	Emergency Operation Hours	Tank Level	Net Fuel Use	Cumulative Fuel Use
10/9/2017	129.6	130.1	Maintenance & Testing	FP	0.5	0	90%	5.2 gal	1353.0 gal
10/16/2017	130.1	130.6	Maintenance & Testing	JM	0.5	0	90%	5.2 gal	1358.2 gal
10/23/2017	130.6	131.1	Maintenance & Testing	RR	0.5	0	90%	5.2 gal	1363.4 gal
10/30/2017	131.1	131.6	Maintenance & Testing	RR	0.5	0	90%	5.2 gal	1368.6 gal
11/6/2017	131.6	132.1	Maintenance & Testing	FP	0.5	0	90%	5.2 gal	1373.8 gal
11/13/2017	132.1	132.6	Maintenance & Testing	RR	0.5	0	90%	5.2 gal	1379.0 gal
11/20/2017	132.6	133.1	Maintenance & Testing	RR	0.5	0	85%	5.2 gal	1384.2 gal
11/27/2017	133.1	133.6	Maintenance & Testing	RR	0.5	0	85%	5.2 gal	1389.4 gal
12/4/2017	133.6	134.1	Maintenance & Testing	RR	0.5	0	85%	5.2 gal	1394.6 gal
12/11/2017	134.1	134.6	Maintenance & Testing	RR	0.5	0	85%	5.2 gal	1399.8 gal
12/18/2017	134.6	135.1	Maintenance & Testing	JJ	0.5	0	80%	5.2 gal	1405.0 gal
12/25/2017	135.1	135.6	Maintenance & Testing	FP	0.5	0	80%	5.2 gal	1410.2 gal
1/1/2018	135.6	136.1	Maintenance & Testing	FP	0.5	0	80%	5.2 gal	1415.4 gal
1/8/2018	136.1	136.6	Maintenance & Testing	RR	0.5	0	80%	5.2 gal	1420.6 gal
1/15/2018	136.6	137.1	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	1425.8 gal
1/22/2018	137.1	137.6	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	1431.0 gal
1/29/2018	137.6	138.1	Maintenance & Testing	DB	0.5	0	100%	5.2 gal	1436.2 gal
2/5/2018	138.1	138.6	Maintenance & Testing	DB	0.5	0	100%	5.2 gal	1441.4 gal
2/12/2018	138.6	139.1	Maintenance & Testing	DB	0.5	0	100%	5.2 gal	1446.6 gal
2/19/2018	139.1	139.6	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	1451.8 gal
2/26/2018	139.6	140.1	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	1457.0 gal
3/5/2018	140.1	140.6	Maintenance & Testing	GP	0.5	0	100%	5.2 gal	1462.2 gal
3/12/2018	140.6	141.1	Maintenance & Testing	RR	0.5	0	100%	5.2 gal	1467.4 gal
3/19/2018	141.1	141.6	Maintenance & Testing	GP	0.5	0	80%	5.2 gal	1472.6 gal
3/26/2018	141.6	142.1	Maintenance & Testing	GP	0.5	0	80%	5.2 gal	1477.8 gal
4/3/2018	142.1	142.6	Maintenance & Testing	GP	0.5	0	80%	5.2 gal	1483.0 gal
4/9/2018	142.6	143.1	Maintenance & Testing	GP	0.5	0	80%	5.2 gal	1488.2 gal
4/16/2018	143.1	143.6	Maintenance & Testing	GP	0.5	0	80%	5.2 gal	1493.4 gal
4/23/2018	143.6	144.1	Maintenance & Testing	RR	0.5	0	80%	5.2 gal	1498.6 gal
4/30/2018	144.1	144.6	Maintenance & Testing	FP	0.5	0	80%	5.2 gal	1503.8 gal
5/7/2018	144.6	145.1	Maintenance & Testing	DB	0.5	0	80%	5.2 gal	1509.0 gal
5/14/2018	145.1	145.6	Maintenance & Testing	GP	0.5	0	80%	5.2 gal	1514.2 gal
5/21/2018	145.6	146.1	Maintenance & Testing	RR	0.5	0	80%	5.2 gal	1519.4 gal
5/29/2018	146.1	146.6	Maintenance & Testing	GP	0.5	0	80%	5.2 gal	1524.6 gal
6/5/2018	146.6	147.1	Maintenance & Testing	DB	0.5	0	80%	5.2 gal	1529.8 gal
6/11/2018	147.1	147.6	Maintenance & Testing	FP	0.5	0	80%	5.2 gal	1535.0 gal
6/18/2018	147.6	148.1	Maintenance & Testing	GP	0.5	0	80%	5.2 gal	1540.2 gal
6/25/2018	148.1	148.6	Maintenance & Testing	GP	0.5	0	80%	5.2 gal	1545.4 gal
7/2/2018	148.6	149.1	Maintenance & Testing	GP	0.5	0	80%	5.2 gal	1550.6 gal
7/9/2018	149.1	149.6	Maintenance & Testing	RR	0.5	0	80%	5.2 gal	1555.8 gal
7/16/2018	149.6	150.1	Maintenance & Testing	RR	0.5	0	80%	5.2 gal	1561.0 gal
7/23/2018	150.1	150.6	Maintenance & Testing	DB	0.5	0	80%	5.2 gal	1566.2 gal
7/30/2018	150.6	151.1	Maintenance & Testing	RR	0.5	0	80%	5.2 gal	1571.4 gal

**Conditions AQ-39, AQ-40 5-5 Emergency Fire Pump Operation Report**

**S-6 Diesel Fire Pump Driver Operating Log**

Engine JU6H-UFADM8 (Clark Fire Pump Engine Model Designation)  
 Model: 6068HFC28A,B,C,D (John Deere Engine Model Designation)  
 Size: 175 BHP 2011 Model Year  
 Facility: Mariposa Energy Center, BAAQMD Plant 19730 (B9730)  
 Source No: 6

EPA Engine Family: BJDXL06.8120  
 Fuel Type: CARB Diesel

Denotes Entry Cell

Location: Diesel Fire Pump Room, Mariposa Energy Center

Date	At Start Timer Reading	At Stop Timer Reading	Maintenance & Testing Hours/ Emergency Operation Hours	Operator Initials	Actual Maintenance & Testing Hours	Emergency Operation Hours	Tank Level	Net Fuel Use	Cumulative Fuel Use
8/6/2018	151.1	151.6	Maintenance & Testing	JM	0.5	0	80%	5.2 gal	1576.6 gal
8/13/2018	151.6	152.1	Maintenance & Testing	DB	0.5	0	80%	5.2 gal	1581.8 gal
8/20/2018	152.1	152.6	Maintenance & Testing	DB	0.5	0	80%	5.2 gal	1587.0 gal
8/27/2018	152.6	153.1	Maintenance & Testing	RR	0.5	0	80%	5.2 gal	1592.2 gal
9/3/2018	153.1	153.6	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	1597.4 gal
9/10/2018	153.6	154.1	Maintenance & Testing	DB	0.5	0	75%	5.2 gal	1602.6 gal
9/17/2018	154.1	154.8	Maintenance & Testing	DB	0.5	0	75%	5.2 gal	1607.8 gal
9/24/2018	154.6	155.1	Maintenance & Testing	DB	0.5	0	100%	5.2 gal	1613.0 gal
10/1/2018	155.1	155.6	Maintenance & Testing	DB	0.5	0	100%	5.2 gal	1618.2 gal
10/8/2018	155.6	156.1	Maintenance & Testing	FP	0.5	0	95%	5.2 gal	1623.4 gal
10/18/2018	156.1	156.6	Maintenance & Testing	GP	0.5	0	95%	5.2 gal	1628.6 gal
10/22/2018	156.6	157.1	Maintenance & Testing	RR	0.5	0	95%	5.2 gal	1633.8 gal
10/29/2018	157.1	157.6	Maintenance & Testing	GP	0.5	0	95%	5.2 gal	1639.0 gal
11/2/2018	157.6	158.1	Annual Maintenance & Testing	GP	0.5	0	95%	5.2 gal	1644.2 gal
11/5/2018	158.1	158.6	Maintenance & Testing	DAB	0.5	0	95%	5.2 gal	1649.4 gal
11/1/2018	158.6	159.1	Maintenance & Testing	DAB	0.5	0	95%	5.2 gal	1654.6 gal
11/19/2018	159.1	159.6	Maintenance & Testing	RR	0.5	0	95%	5.2 gal	1659.8 gal
11/26/2018	159.6	160.1	Maintenance & Testing	JM	0.5	0	95%	5.2 gal	1665.0 gal
12/3/2018	160.1	160.6	Maintenance & Testing	DAB	0.5	0	95%	5.2 gal	1670.2 gal
12/10/2018	160.6	161.1	Maintenance & Testing	GP	0.5	0	95%	5.2 gal	1675.4 gal
12/17/2018	161.1	161.6	Maintenance & Testing	RR	0.5	0	90%	5.2 gal	1680.6 gal
12/24/2018	161.6	162.1	Maintenance & Testing	FP	0.5	0	90%	5.2 gal	1685.8 gal
12/31/2018	162.1	162.6	Maintenance & Testing	FP	0.5	0	90%	5.2 gal	1691.0 gal
1/7/2019	162.6	163.1	Maintenance & Testing	FP	0.5	0	80%	0.0 gal	1691.0 gal
1/14/2019	163.1	163.6	Maintenance & Testing	RR	0.5	0	80%	0.0 gal	1691.0 gal
1/21/2019	163.6	164.1	Maintenance & Testing	JM	0.5	0	75%	0.0 gal	1691.0 gal
1/28/2019	164.1	164.6	Maintenance & Testing	FP	0.5	0	100%	0.0 gal	1691.0 gal
2/4/2019	164.6	165.1	Maintenance & Testing	GP	0.5	0	100%	0.0 gal	1691.0 gal
2/11/2019	165.1	165.6	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	1696.2 gal
2/18/2019	165.6	166.1	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	1701.4 gal
2/28/2019	166.1	166.6	Maintenance & Testing	FP	0.5	0	75%	5.2 gal	1706.6 gal
3/4/2019	166.6	167.1	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	1711.8 gal
3/11/2019	167.1	167.6	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	1717.0 gal
3/18/2019	167.6	168.1	Maintenance & Testing	GP	0.5	0	75%	5.2 gal	1722.2 gal
3/25/2019	168.1	168.6	Maintenance & Testing	GP	0.5	0	75%	5.2 gal	1727.4 gal
4/1/2019	168.6	169.1	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	1732.6 gal
4/8/2019	169.1	169.6	Maintenance & Testing	RR	0.5	0	100%	5.2 gal	1737.8 gal
4/15/2019	169.6	170.1	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	1743.0 gal
4/22/2019	170.1	170.6	Maintenance & Testing	FP	0.5	0	100%	5.2 gal	1748.2 gal
4/29/2019	170.6	171.1	Maintenance & Testing	GP	0.5	0	100%	5.2 gal	1753.4 gal
5/6/2019	171.1	171.6	Maintenance & Testing	RR	0.5	0	100%	5.2 gal	1758.6 gal
5/13/2019	171.6	172.1	Maintenance & Testing	DAB	0.5	0	100%	5.2 gal	1763.8 gal
5/22/2019	172.1	172.6	Maintenance & Testing	GP	0.5	0	95%	5.2 gal	1769.0 gal

**Conditions AQ-39, AQ-40 5-5 Emergency Fire Pump Operation Report**

**S-6 Diesel Fire Pump Driver Operating Log**

Engine JU6H-UFADM8 (Clark Fire Pump Engine Model Designation)  
 Model: 6068HFC28A,B,C,D (John Deere Engine Model Designation) EPA Engine Family: BJDXL06.8120  
 Size: 175 BHP 2011 Model Year Fuel Type: CARB Diesel  
 Facility: Mariposa Energy Center, BAAQMD Plant 19730 (B9730)  
 Source No: 6 Denotes Entry Cell

Location: Diesel Fire Pump Room Mariposa Energy Center

Date	At Start Timer Reading	At Stop Timer Reading	Maintenance & Testing Hours/ Emergency Operation Hours	Operator Initials	Actual Maintenance & Testing Hours	Emergency Operation Hours	Tank Level	Net Fuel Use	Cumulative Fuel Use
5/29/2019	172.6	173.1	Maintenance & Testing	GP	0.5	0	95%	5.2 gal	1774.2 gal
6/3/2019	173.1	173.6	Maintenance & Testing	RR	0.5	0	95%	5.2 gal	1779.4 gal
6/10/2019	173.6	174.1	Maintenance & Testing	DAB	0.5	0	95%	5.2 gal	1784.6 gal
6/17/2019	174.1	174.6	Maintenance & Testing	GP	0.5	0	95%	5.2 gal	1789.8 gal
6/24/2019	174.6	175.1	Maintenance & Testing	RR	0.5	0	95%	5.2 gal	1795.0 gal
<i>Permit Annual Limit = 50 hours/year for reliability-related (maintenance &amp; testing) testing. Emergency hours of operation is not limited.</i>				<b>TOTAL HOURS</b>	<b>175.1 Hours</b>	<b>0.0 Hours</b>			

*Hours of operation for emission testing to show compliance with District, State or Federal emission limits is not limited.*

*Fuel tank level is required to be at least 3/4 full. If fuel tank is less than 3/4 full, schedule delivery*

*\*\*S-6 Fire Pump Engine replaced S-5 on September 28, 2012 (BAAQMD Application Number 24687).*



**S-6 Diesel Fire Pump Driver Operating Log**

Engine Model: J06H-UFADM8 (Clark Fire Pump Engine Model Designation)  
 6068HFC28A,B,C,D (John Deere Engine Model Designation)  
 Size: 175 BHP 2011 Model Year  
 Facility: Mariposa Energy Center, BAAQMD Plant 19730 (B9730)  
 Source No: 6

EPA Engine Family: BJDXL06.8120  
 Fuel Type: CARB Diesel

Denotes Entry Cell

Location: Diesel Fire Pump Room, Mariposa Energy Center

Summary			
Months	Stop Timer Reading	Start Timer Reading	Total Actual Maintenance and Testing Hours
January	164.6	162.6	2.0
February	168.6	164.6	2.0
March	168.6	166.6	2.0
April	171.1	168.6	2.5
May	173.1	171.1	2.0
June	175.1	173.1	2.0

**Attachment 18**

**Condition AQ-41  
S-6 Emergency Fire Pump  
Totalizing Meter Report  
(BAAQMD Condition 22850, Part 3)**

**Attachment 18**  
**S-6 Emergency Fire Pump Totalizing Meter Report**

To demonstrate compliance with CEC Condition AQ-41 (BAAQMD Condition 22850, Part 3), the following photographs are provided as evidence of compliance.



S-6 Emergency Fire Pump



S-6 Control Unit



S-6 Controller, Showing Fire Pump Operating Hours



- Attachment 4: Condition AQ-14 Heat Input Limit: Rolling 12-Month combined CTG Heat Input Report: Report demonstrating compliance with annual (rolling 12-month) combined heat input limit to CTG Units 600 (S-1), 700 (S-2), 800 (S-3), and 900 (S-4).
- Attachment 5: Condition AQ-15a/b Operating Hour Limits: Rolling 12-Month individual and combined CTG Hours Report: Report demonstrating compliance with annual (rolling 12-month) individual and combined hours of operation limits for CTG Units 600 (S-1), 700 (S-2), 800 (S-3), and 900 (S-4).
- Attachment 6: Condition AQ-16 SCR/Oxidation Catalyst Operation Report: Report demonstrating the CTG Units 600 (S-1), 700 (S-2), 800 (S-3), and 900 (S-4) emissions are abated by properly operating SCR and Oxidation Catalyst systems.
- Attachment 7: Condition AQ-17a/b NO<sub>x</sub> Emissions Limits: Hourly Mass Rate and Hourly Average Concentration Report: Report of hourly (rolling 60-minute) NO<sub>x</sub> concentrations and emissions from CTG Units 600 (S-1), 700 (S-2), 800 (S-3), and 900 (S-4).
- Attachment 8: Condition AQ-17c/d CO Emission Limits: Hourly Mass Rate/Rolling 3-Hr Concentration Report: Report demonstrating compliance with hourly (rolling 60-minute) CO mass emissions and rolling 3-hour CO concentrations from CTG Units 600 (S-1), 700 (S-2), 800 (S-3), and 900 (S-4).
- Attachment 9: Condition AQ-17e NH<sub>3</sub> Emission Limits: Rolling 3-Hr Slip Calculation Report: Report demonstrating compliance with rolling 3-hr ammonia emission concentration limit as calculated by source test-derived correlation as required by AQ-25.
- Attachment 10: Condition AQ-17f/g Hourly Mass Emission Limits: POC & SO<sub>2</sub> Report: Report demonstrating compliance with hourly POC and SO<sub>2</sub> emission limits for Combustion Turbine Generator (CTG) units 600 (S-1), 700 (S-2), 800 (S-3), and 900 (S-4).
- Attachment 11: Condition AQ-18 Startup and Shutdown Emission Limits Report: Report of startup and shutdown emissions for CTG Units 600 (S-1), 700 (S-2), 800 (S-3), and 900 (S-4).
- Attachment 12: Condition AQ-19 Daily Emission Limits: NO<sub>x</sub>, CO, POC, and SO<sub>2</sub> Emissions Report: Report demonstrating compliance with daily NO<sub>x</sub>, CO, POC and SO<sub>2</sub> limits for all CTG units combined.
- Attachment 13: Condition AQ-20 Cumulative Rolling 12-month CTG Emissions: NO<sub>x</sub>, CO, POC, PM<sub>10</sub>, SO<sub>2</sub> Emissions Report: Report demonstrating compliance with consecutive 12-month NO<sub>x</sub>, CO, POC, PM<sub>10</sub> and SO<sub>2</sub> limits for all CTG units combined.
- Attachment 14: Condition AQ-31 Facility SAM 12-month Tons Limit Emissions Report: Report demonstrating compliance with consecutive 12-month sulfuric acid emissions limit for all CTG units combined.
- Attachment 15: Condition AQ-35 Timely Notification of Permit Condition Violations Report: Report demonstrating compliance with permit condition AQ-35 requiring timely self-reporting of violations of permit conditions.

Attachment 16: Condition AQ-38 40CFR Part 72.9(c)(1) SO<sub>2</sub> Allowances and 40 CFR Part 75 CEM Requirements Report: Report demonstrating compliance with Condition AQ-38 requiring holding of SO<sub>2</sub> allowances and compliance with CEM requirements of 40 CFR Part 75.

Attachment 17: Conditions AQ-39, AQ-40 S-6 Emergency Fire Pump Operation Report (BAAQMD Condition 22850, parts 1 & 2): Report demonstrating compliance with specified IC engine operating limitations.

Attachment 18: Condition AQ-41 S-6 Emergency Fire Pump Totalizing Meter Report (BAAQMD Condition 22850, part 3): Photographic record demonstrating the installation and use of hour-meter for tracking engine operation.

If you have any questions regarding this submittal, please contact Wayne Forsyth by email at [w.forsyth@dgc-us.com](mailto:w.forsyth@dgc-us.com) or phone (213) 473-0093.

Best regards,



Bo Buchynsky - Responsible Official  
Mariposa Energy, LLC  
633 West Fifth Street, Suite 2700  
Los Angeles, California 90071-1519

cc: Jeffrey Cleary (BAAQMD)  
Madhav Patil (BAAQMD)  
Bhagavan Krishnaswamy (BAAQMD)

Mariposa Energy, LLC

**QUARTERLY COMPLIANCE REPORT**  
Quarter Ending July 31, 2019

MARIPOSA ENERGY, LLC

**QUARTERLY COMPLIANCE REPORT**

QUARTER ENDING July 31, 2019

This report document compliance with the California Energy Commission's Conditions of Certification AQ-SC8 and Bay Area Air Quality Management District Permit Condition 24955.

Attached are summaries of relevant permit conditions and compliance status as well as the required documentation.

- Attachment 1: Compliance Summary
- Attachment 2: Condition AQ-11 Monthly Natural Gas Fuel Analyses
- Attachment 3: Condition AQ-12/13 Heat Input Limits: 1-hr & Daily Maximums for all CTGs Report
- Attachment 4: Condition AQ-14 Heat Input Limit: Rolling 12-Month combined CTG Heat Input Report
- Attachment 5: Condition AQ-15a/b Operating Hour Limits: Rolling 12-Month Individual and Combined CTG Hours Report
- Attachment 6: Condition AQ-16 SCR/Oxidation Catalyst Operation Report
- Attachment 7: Condition AQ-17a/b NOx Emission Limits: Hourly mass rate and hourly average concentration Report
- Attachment 8: Condition AQ-17c/d CO Emission Limits: Hourly Mass Rate/Rolling 3-Hr Concentration Report
- Attachment 9: Condition AQ-17e NH<sub>3</sub> Emission Limits: Rolling 3-Hr Slip Calculation Report
- Attachment 10: Condition AQ-17f/g Hourly Mass Emission Limits: POC & SO<sub>2</sub> Report
- Attachment 11: Condition AQ-18 Startup and Shutdown Emission Limits Report
- Attachment 12: Condition AQ-19 Daily Emission Limits: NOx, CO, POC, SO<sub>2</sub> Emissions Report
- Attachment 13: Condition AQ-20 Cumulative Rolling 12-month CTG Emissions: NOx, CO, POC, PM<sub>10</sub>, SO<sub>2</sub> Emissions Report
- Attachment 14: Condition AQ-31 Facility SAM 12-month Tons Limit Emissions Report
- Attachment 15: Condition AQ-35 Timely Notification of Permit Condition Violations Report
- Attachment 16: Condition AQ-38 40 CFR Part 72.9(c)(1) SO<sub>2</sub> Allowances and 40 CFR Part 75 CEM Requirements Report
- Attachment 17: Conditions AQ-39, AQ-40 S-6 Emergency Fire Pump Operation Report (BAAQMD Condition 24955, parts 1 & 2)
- Attachment 18: Condition AQ-41 S-6 Emergency Fire Pump Totalizing Meter Report (BAAQMD Condition 22850, part 3)



**Attachment 1**

**Compliance Summary**

Mariposa Energy, LLC  
CEC Quarterly Air Compliance Report

**COMPLIANCE SUMMARY**

<b>Condition</b>	<b>Condition Description</b>	<b>Verification or Limit</b>	<b>Status</b>	<b>Section</b>
<b>AQ-11</b>	Fire the Gas Turbines (S-1, S-2, S-3, and S-4) exclusively on PUC-regulated natural gas with a <b>maximum sulfur content</b> of 1 grain per 100 standard cubic feet.	<b>1 grain sulfur per 100 scf.</b> The result of the natural gas fuel sulfur monitoring data and other fuel sulfur content data to be submitted to District and CPM in the Quarterly Report.	<b>Sulfur Content</b> (gr/100 scf) April 2019: 0.21 May 2019: 0.27 June 2019: 0.13 <b>In Compliance</b>	Attachment 2
<b>AQ-12</b>	Hourly Heat input rate to each Gas Turbine (S-1, S-2, S-3, and S-4).	<b>500 MMBtu (HHV)/hr per turbine.</b>	<b>Maximum MMBtu/hr</b> S-1: 459 S-2: 451 S-3: 459 S-4: 454 <b>In Compliance</b>	Attachment 3
<b>AQ-13</b>	Daily heat input rate to each Gas Turbine (S-1, S-2, S-3, and S-4).	<b>11,544 MMBtu (HHV)/day per turbine.</b>	<b>Maximum MMBtu/day</b> S-1: 4,504 S-2: 4,451 S-3: 4,549 S-4: 4,495 <b>In Compliance</b>	Attachment 3
<b>AQ-14</b>	Combined <b>annual cumulative heat input rate for the gas turbines</b> (S-1 + S-2 + S-3 + S-4).	<b>8,128,900 MMBtu (HHV) per year (combined cumulative).</b>	<b>MMBTU/yr (12-mo)</b> Ending 04/2019: 1,173,663 Ending 05/2019: 1,135,330 Ending 06/2019: 1,128,546 <b>In Compliance</b>	Attachment 4
<b>AQ-15a</b>	Maximum annual hours of operation per turbine.	<b>5,200 hours per year per turbine.</b>	<b>Maximum Hr/yr</b> S-1: 968 (04/2019) S-2: 970 (04/2019) S-3: 1,017 (04/2019) S-4: 991 (04/2019) <b>In Compliance</b>	Attachment 5
<b>AQ-15b</b>	Combined annual hours of operation for the gas turbines (S-1 + S-2 + S-3 + S-4).	<b>16,900 hours per year total – four units combined turbine hours of operation.</b>	<b>Combined Hours/yr</b> 12 mo Ending 04/19: 3,946 12 mo Ending 05/19: 3,788 12 mo Ending 06/19: 3,728 <b>In Compliance</b>	Attachment 5

Mariposa Energy, LLC  
CEC Quarterly Air Compliance Report

**COMPLIANCE SUMMARY**

Condition	Condition Description	Verification or Limit	Status	Section
AQ-16	The owner/operator shall ensure that each Gas Turbine (S-1, S-2, S-3, S-4) is abated by the properly operated and properly maintained Selective Catalytic Reduction (SCR) System A-2, A-4, A-6, or A-8 and Oxidation Catalyst System A-1, A-3, A-5, or A-7 whenever fuel is combusted at those sources and the corresponding SCR catalyst bed (A-2, A-4, A-6 or A-8) has reached minimum operating temperature.	The owner/operator shall make the site <b>available for inspection</b> by representatives of the District, ARB, and the Commission upon request. A summary of significant operation and maintenance events and monitoring records shall be included in the quarterly operation report.	<b>In Compliance</b>	Attachment 6
AQ-17	The owner/operator shall ensure that the Gas Turbines (S-1, S-2, S-3, S-4) comply with requirements (a) through (i). Requirements (a) through (f) do not apply during a gas turbine start-up, and shutdown.			
	a. <b>Hourly Nitrogen Oxide mass emissions limit</b> (calculated as NO <sub>2</sub> ), per turbine unit basis, after abatement.	4.4 lb/hr maximum (as NO <sub>2</sub> ), from each turbine exhaust point, after abatement.	<b>Max NOx lb/hr:</b> S-1: 3.4 S-2: 3.3 S-3: 3.4 S-4: 3.3 <b>In Compliance</b>	Attachment 7
	b. <b>Hourly average Nitrogen Oxide emission concentration limit</b> , per turbine.	2.5 ppmv maximum (as NO <sub>2</sub> ), dry, corrected to 15% O <sub>2</sub> , averaged over any 1-hour period.	<b>Max NOx, ppmvd @ 15% O<sub>2</sub>:</b> S-1: 2.0 S-2: 2.0 S-3: 2.0 S-4: 2.2 <b>In Compliance</b>	Attachment 7
	c. <b>Hourly Carbon Monoxide mass emissions limit</b> , per turbine basis, after abatement.	2.14 lb/hr CO maximum, from each turbine exhaust point.	<b>Max CO lb/hr:</b> S-1: 1.88 S-2: 1.85 S-3: 1.88 S-4: 1.76 <b>In Compliance</b>	Attachment 8
	d. <b>Rolling 3-hour average Carbon Monoxide emission concentration</b> per turbine basis, after abatement.	2.0 ppmv CO (maximum), dry, corrected to 15% O <sub>2</sub> , averaged over any rolling 3-hour period.	<b>Max CO, ppmvd @ 15% O<sub>2</sub>:</b> S-1: 1.8 S-2: 1.8 S-3: 1.8 S-4: 1.7 <b>In Compliance</b>	Attachment 8

Mariposa Energy, LLC  
CEC Quarterly Air Compliance Report

**COMPLIANCE SUMMARY**

Condition	Condition Description	Verification or Limit	Status	Section
AQ-17 cont'd	e. <b>Rolling 3-hour average Ammonia (NH<sub>3</sub>) emission concentrations</b> , per turbine unit basis, after abatement systems.	5 ppmv, dry, corrected to 15% O <sub>2</sub> , averaged over any rolling 3-hour period. Verified by the continuous recording of the ammonia injection rate to each SCR System A-2, A-4, A-6, and A-8. The correlation between the gas turbine heat input rates, A-2, A-4, A-6, and A-8 SCR System ammonia injection rates, and corresponding ammonia emission concentration at emission points P-1, P-2, P-3 and P-4 shall be determined in accordance with AQ-25 or a District approved alternative method.	<b>Max NH<sub>3</sub>, ppmvd @ 15% O<sub>2</sub>:</b> S-1: 3 S-2: 3 S-3: 2 S-4: 3 <b>In Compliance</b>	Attachment 9
	f. <b>Hourly Precursor Organic Compound (POC) mass emissions limit</b> (as CH <sub>4</sub> ), per turbine unit basis.	0.612 lb/hr maximum (as CH <sub>4</sub> ), from each turbine exhaust point.	<b>Max POC lb/hr:</b> S-1: 0.028 S-2: 0.032 S-3: 0.046 S-4: 0.027 <b>In Compliance</b>	Attachment 10
	g. <b>Hourly Sulfur dioxide (SO<sub>2</sub>) mass emissions limit</b> , per turbine unit basis, after abatement.	1.347 lb/hr maximum (as SO <sub>2</sub> ) from each turbine exhaust point.	<b>Max SO<sub>2</sub> lb/hr:</b> S-1: 0.276 S-2: 0.181 S-3: 0.230 S-4: 0.137 <b>In Compliance</b>	Attachment 10
AQ-18	<b>Maximum startup emissions of NO<sub>x</sub></b> (as NO <sub>2</sub> ), CO, and POC (as CH <sub>4</sub> ) (lb/startup).	NO <sub>x</sub> (NO <sub>2</sub> ): 14.2 lb/startup	<b>Max NO<sub>x</sub> Startup Emissions, lb</b> S-1: 10.1 S-2: 13.1 S-3: 9.0 S-4: 9.2 <b>In Compliance</b>	Attachment 11

Mariposa Energy, LLC  
CEC Quarterly Air Compliance Report

**COMPLIANCE SUMMARY**

Condition	Condition Description	Verification or Limit	Status	Section
AQ-18 cont'd		CO: 14.1 lb/startup	<u>Max CO Startup Emissions, lb</u> S-1: 2.5 S-2: 5.8 S-3: 4.1 S-4: 1.7 <b>In Compliance</b>	Attachment 11
		POC (as CH <sub>4</sub> ): 1.1 lb/startup	<u>Max POC Startup Emissions, lb</u> S-1: 0.0 S-2: 0.0 S-3: 0.0 S-4: 0.0 <b>In Compliance</b>	Attachment 11
	Maximum hourly emissions of NO <sub>x</sub> (as NO <sub>2</sub> ), CO, and POC (as CH <sub>4</sub> ) <u>with startup</u> .	NO <sub>x</sub> (NO <sub>2</sub> ): 18.5 lb/hour	<u>Max NO<sub>x</sub> Emissions, lb/hr</u> S-1: 10.1 S-2: 13.4 S-3: 9.0 S-4: 9.8 <b>In Compliance</b>	Attachment 11
		CO: 17.3 lb/hour	<u>Max CO Emissions, lb/hr</u> S-1: 2.7 S-2: 5.8 S-3: 4.1 S-4: 2.3 <b>In Compliance</b>	Attachment 11
		POC (as CH <sub>4</sub> ): 1.4 lb/hour	<u>Max POC Emissions lb/hr</u> S-1: 0.02 S-2: 0.03 S-3: 0.04 S-4: 0.02 <b>In Compliance</b>	Attachment 11

Mariposa Energy, LLC  
CEC Quarterly Air Compliance Report

**COMPLIANCE SUMMARY**

Condition	Condition Description	Verification or Limit	Status	Section
AQ-18 cont'd	Maximum shutdown emissions of NOx (as NO <sub>2</sub> ), CO, and POC (as CH <sub>4</sub> ) (lb/shutdown).	NOx (NO <sub>2</sub> ): 3.2 lb/shutdown	<u>Max Shutdown Emissions, lb</u> S-1: 1.4 S-2: 1.6 S-3: 1.4 S-4: 1.5 <b>In Compliance</b>	Attachment 11
		CO: 2.7 lb/shutdown	<u>Max Shutdown Emissions, lb</u> S-1: 0.2 S-2: 0.2 S-3: 0.2 S-4: 0.2 <b>In Compliance</b>	Attachment 11
		POC (as CH <sub>4</sub> ): 0.12 lb/shutdown	<u>Max Shutdown Emissions lb</u> S-1: 0.00 S-2: 0.00 S-3: 0.00 S-4: 0.00 <b>In Compliance</b>	Attachment 11
AQ-19	Calendar day Cumulative combined emission limits from the Gas Turbines (S-1 + S-2 + S-3 + S-4), including emissions generated during gas turbine start-ups, shutdowns and testing.			
	a. Maximum daily NOx (as NO <sub>2</sub> ) emissions.	NOx (as NO <sub>2</sub> ): 1100 lb/day	Max lb/day NOx: 145	Attachment 12
	b. Maximum daily CO emissions.	CO: 934 lb/day	Max lb/day CO: 71	
	c. Maximum daily POC emissions.	POC (as CH <sub>4</sub> ): 95 lb/day	Max lb/day POC: 1	
	d. Maximum daily SO <sub>2</sub> emissions.	SO <sub>2</sub> : 130 lb/day	Max lb/day SO <sub>2</sub> : 8 <b>In Compliance</b>	
AQ-20	Cumulative combined annual (any consecutive twelve-month period) emissions from the Gas Turbines (S-1 + S-2 + S-3 + S-4):			
	a. Maximum annual NOx (as NO <sub>2</sub> ) emissions.	NOx (as NO <sub>2</sub> ): 45.6 ton/year	<u>Cumulative Ton/Yr</u> Ending 04/30/2019: 7.3 Ending 05/31/2019: 7.1 Ending 06/30/2019: 7.0 <b>In Compliance</b>	Attachment 13

Mariposa Energy, LLC  
CEC Quarterly Air Compliance Report

**COMPLIANCE SUMMARY**

Condition	Condition Description	Verification or Limit	Status	Section
AQ-20 cont'd	b. Maximum annual CO emissions.	CO: 27.2 ton/year	Ending 04/30/2019: 2.2 Ending 05/31/2019: 2.2 Ending 06/30/2019: 2.2 <b>In Compliance</b>	Attachment 13
	c. Maximum annual POC (as CH <sub>4</sub> ) emissions.	POC (as CH <sub>4</sub> ): 5.6 ton/year	Ending 04/30/2019: 0.1 Ending 05/31/2019: 0.1 Ending 06/30/2019: 0.1 <b>In Compliance</b>	Attachment 13
	d. Maximum annual PM <sub>10</sub> emissions.  Emissions of PM <sub>10</sub> from each gas turbine shall be calculated by multiplying turbine fuel usage times an emission factor determined by source testing of the turbine conducted in accordance with Part 26. The emission factor for each turbine shall be based on the average of the emissions rates observed during the 4 most recent source tests on that turbine (or, prior to the completion of 4 source tests on a turbine, on the average of the emission rates observed during all source tests on the turbine).	PM <sub>10</sub> : 18.6 ton/year	Ending 04/30/2019: 0.6 Ending 05/31/2019: 0.5 Ending 06/30/2019: 0.6  <b>In Compliance</b>	Attachment 13
	e. Maximum annual SO <sub>2</sub> emissions.	SO <sub>2</sub> : 2.9 ton/year	Ending 04/30/2019: 0.2 Ending 05/31/2019: 0.2 Ending 06/30/2019: 0.2 <b>In Compliance</b>	Attachment 13
AQ-31	Cumulative combined annual Sulfuric Acid Mist (SAM) emissions. (Any consecutive 12-month period) emissions from the gas turbines (S-1 + S-2 + S-3 + S-4).	7.0-ton Sulfuric Acid Mist in any consecutive 12-month.	<b>Cumulative Ton/Year</b> Ending 04/30/2019: 3.52 Ending 05/31/2019: 3.41 Ending 06/30/2019: 3.39 <b>In Compliance</b>	Attachment 14

Mariposa Energy, LLC  
CEC Quarterly Air Compliance Report

**COMPLIANCE SUMMARY**

Condition	Condition Description	Verification or Limit	Status	Section
AQ-35	The owner/operator of the MEP shall notify the District and the CEC CPM of any violations of these permit conditions. Notification shall be submitted in a timely manner, in accordance with all applicable District Rules, Regulations, and the Manual of Procedures. Notwithstanding the notification and reporting requirements given in any District Rule, Regulation, or the Manual of Procedures, the owner/operator shall submit written notification (facsimile is acceptable) to the Enforcement Division within 96 hours of the violation of any permit condition.	A summary of significant operation and maintenance events and monitoring records shall be included in the quarterly operation report.	There were no violations of any permit conditions requiring District and CEC notification during the 2nd Quarter of 2019 <b>In Compliance</b>	Attachment 15
AQ-38	The owner/operator shall ensure that the MEP complies with the requirement to hold SO <sub>2</sub> allowances in 40 CFR 72.9c(1) and the continuous emission monitoring requirements of 40 CFR Part 75.	The project owner shall submit to the CPM and District the results of audits of the monitoring system demonstrating compliance with this condition as part of the quarterly operation report.	Attachment 16 provides the CAMD Balance Report (2/03/2015) for SO <sub>2</sub> allowances as well as the 2Q 2019 Monthly CEMS Reports summary pages as submitted to BAAQMD. <b>In Compliance</b>	Attachment 16
AQ-39	<b>Cumulative combined annual (any consecutive twelve-month period) operating hours for reliability-related testing of S-6 Emergency Standby Diesel Fire Pump Engine:</b>			
	The owner/operator shall not exceed 50 hours per year per engine for reliability-related testing.	A summary of significant operation and maintenance events and monitoring records shall be included in the quarterly operation report.	Ending 04/30/2019: 26.5 Ending 05/31/2019: 26.5 Ending 06/30/2019: 26.5  <b>In Compliance</b>	Attachment 17



Mariposa Energy, LLC  
CEC Quarterly Air Compliance Report

**COMPLIANCE SUMMARY**

Condition	Condition Description	Verification or Limit	Status	Section
AQ-40	<p><b>S-6 Emergency Standby Diesel Fire Pump Engine cumulative combined annual (any consecutive twelve-month period) total operating hours, including mitigation of emergency conditions, emissions and reliability testing:</b></p> <p>The owner/operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, State, or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operation while mitigating emergency conditions or while emission testing to show compliance with District, State or Federal emissions limits is not limited.</p>	<p>A summary of significant operation and maintenance events and monitoring records shall be included in the quarterly operation report.</p>	<p><b>S-6</b></p> <p><u>12-Mo Hrs Ending 04/30/2019:</u> Total Hrs Operated: 26.5 Hrs Op as allowed: 26.5</p> <p><u>12-Mo Hrs Ending 05/31/2019:</u> Total Hrs Operated: 26.5 Hrs Op as allowed: 26.5</p> <p><u>12-Mo Hrs Ending 06/30/2019:</u> Total Hrs Operated: 26.5 Hrs Op as allowed: 26.5</p> <p><b>In Compliance</b></p>	Attachment 17
AQ-41	<p><b>S-6 Emergency Standby Diesel Fire Pump Engine Non-Resettable Totalizing Hour Meter</b></p> <p>The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engines is installed, operated and properly maintained.</p>	<p>The project owner shall make the site available for inspection by representatives of the District, ARB and the Commission. The project owner shall include a photograph of each totalizing meter in the quarterly operation report.</p>	<p>A photograph of each totalizing meter is included in the quarterly compliance report.</p> <p><b>In Compliance</b></p>	Attachment 18

**Attachment 2**

**Monthly Natural Gas Fuel Analysis**



ZALCO LABORATORIES, INC.

Analytical & Consulting Services

4309 Armour Avenue  
Bakersfield, California 93308

(661) 395-0539  
FAX (661) 395-3069

April 26, 2019

Kevin Kringle  
Mariposa Energy Project  
4887 Bruns Rd  
Byron, CA 94514

TEL: (209) 830-1401  
FAX:

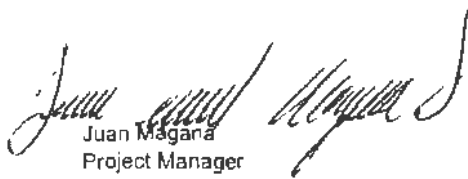
Project ID:  
RE: 1904215

Dear Kevin Kringle:

Zalco Laboratories, Inc. received 1 samples on 4/19/2019 for the analyses presented in the following report.

We appreciate your business and look forward to serving you in the future. Please feel free to call our office if you have any questions regarding these test results.

Sincerely,



Juan Magana  
Project Manager  
CC:

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTL: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level : See Case Narrative  
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Note: Samples analyzed for regulatory purposes should be put on ice immediately after sampling and received by the laboratory at temperatures between 0-6°C. Microbiological analysis requires samples to be at least 4-10°C when received at the laboratory. For additional information regarding the limitations of the method(s) referred to, please call us at 661-395-0539.



**ZALCO LABORATORIES, INC.**

4309 Armour Avenue, Bakersfield, CA 93308 (661) 395-0539 FAX (661) 395-3069 www.zalcolabs.com  
 2186 Eastman Avenue, Suite 103, Ventura, CA 93003 (805) 477-0114 Fax (805) 477-0125

**Mariposa Energy Project**  
 4887 Bruns Rd  
 Byron CA 94514

**Laboratory No:** 1904215-01  
**Date Received:** 04/19/19  
**Date Analyzed:** 04/19/19  
**Date Completed:** 4/26/19 1:02 PM

**Attention:** Kevin Kringle

**Sample Description:** Fuel Gas Sample  
 Sampled 4/18/2019 @ 9:27.00 AM by Kevin Kringle

**Chromatographic Analysis, ASTM D-1945-03, ASTM D-3146-11**

Constituent:	Result	Units
Sulfur	0.21	grs S/100 SCF
Total Sulfur	3.37	ppmv

**Chromatographic Analysis, ASTM D-1945-03, ASTM D-2588-08, GPA 2145-16, ASTM D-1148-11**

Constituent:	Mole %	Weight %	GPM	Fractions	CHONS%
Oxygen	0.060	0.112	(Gallons per		Carbon, C
Nitrogen	0.477	0.784	1000.000		73.60
Hydrogen	0.000	0.000	cubic feet)		Hydrogen, H
Carbon Dioxide	0.841	2.171			23.92
Carbon Monoxide	0.000	0.000			Oxygen, O
Hydrogen Sulfide	0.000	0.000			1.69
Methane	94.035	88.512			
Ethane	4.252	7.502			
Propane	0.282	0.729	0.077	(C3....C3) = 0.077	Nitrogen, N
IsoButane	0.021	0.071	0.007		0.78
n-Butane	0.025	0.086	0.008	(C3....C4) = 0.092	
IsoPentane	0.004	0.019	0.002		Sulfur, S
n-Pentane	0.003	0.013	0.001	(C3....C5) = 0.095	0.00
Hexanes +	0.000	0.001	0.000	(C3....C6+) = 0.095	
Totals:	100.00	100.00	0.095	0.360	100.00

**Flammable Gases:** 98.622  
**Gas Properties calculated @ STP: degrees F.** 60  
**Measurement Base Pressure @ STP: psia** 14.696 **H/C Ratio: 0.32**

Gas State	Dry		Wet
	Btu / Cu. Ft	Btu / lb	Btu / Cu. Ft
Gross, Ideal Gas	1033.89	23019.89	1015.90
Net, Ideal Gas	932.17	20754.75	915.95
Gross, Real Gas	1036.18		1018.15
Net, Real Gas	934.23		917.97

Relative Gas Density; [Air=1] Ideal:	0.5885	"F" Factor, DSCF/MMBtu @ 60F	8516	9445.0
Specific Gravity, [Air=1] Real gas:	0.5894	"F" Factor, DSCF/MMBtu @ 68F	8645	9588.9
Real Gas Density, Lb/Cu.Ft.:	0.0450	"F" Factor, DSCF/MMBtu @ 70F	8678	9625.3
Specific Volume, Cu Ft./Lb:	22.2159	"FC" Factor, DSCF CO2/MMBtu @ 60F	1011.0	1121.3
Relative Liquid Density @ 60F/60F:	0.3110	"FC" Factor, DSCF CO2/MMBtu @ 68F	1026.4	1138.4
Compressibility, 'z':	0.9978			
Fuel kg per kg-mole Molecular wt avg	17.044			



# ZALCO LABORATORIES, INC.

Analytical & Consulting Services

4309 Armour Avenue  
Bakersfield, California 93308

(661) 395-0539  
FAX (661) 395-3069

Mariposa Energy Project	Project: Master	Work Order No: 1904215
4887 Bruns Rd	Project #:	Reported: 04/26/2019
Byron, CA 94514	Attention: Kevin Kringle	Received: 04/19/2019 13:35

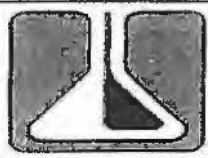
Lab Sample ID: 1904215-01	Collected By:
Client Sample ID: Fuel Gas Sample	Date Collected: 4/18/2019 9:27:00AM

Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
<b>Gas &amp; Air Testing</b>								
Hydrogen sulfide	<1.00	1.00	ppmv		ASTM D6228	4/19/19	4/19/19	MO

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTL: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level \* See Case Narrative

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Note: Samples analyzed for regulatory purposes should be put on ice immediately after sampling and received by the laboratory at temperatures between 0-6°C. Microbiological analysis requires samples to be at least 4-10°C when received at the laboratory. For additional information regarding the limitations of the method(s) referred to, please call us at 661-395-0539.



**ZALCO LABORATORIES, INC.**

4309 Armour Avenue, Bakersfield, CA 93308 (661) 395-0539 FAX (661) 395-3069 [www.zalcolabs.com](http://www.zalcolabs.com)  
 2186 Eastman Avenue, Suite 103, Ventura, CA 93003, (805) 477-0114, Fax (805) 477-0125

CHAIN OF CUSTODY, ID#                                 

Client PO:	13648
Project ID:	
Quote ID:	

1904215

ANALYSIS REQUESTED

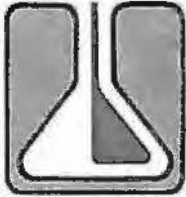
COMPANY: Mariposa Energy Project CONTACT: Kevin Kringle PHONE: 209-830-1401 x304      FAX:      NA ADDRESS: 4887 Bruns Rd Byron, CA. 94514-1905 E-MAIL: k.kringle@dgc-ops.com SAMPLER (SIGNATURE): <i>[Signature]</i>																				COMMENTS Turnaround Time: Routine (10 working days) <input checked="" type="checkbox"/> Rush By <input type="checkbox"/> Working Days EDT <input type="checkbox"/> State Form <input type="checkbox"/> EMAIL <input checked="" type="checkbox"/>	
LAB #	SAMPLE DESCRIPTION	DATE	TIME	Compliance	ASTM D6228	ASTM D3246												Number of Containers	Type of Containers	Sample Matrix	Notes
1	Fuel Gas Sample	4/18/19	9:27	X	X	X												1	Misc	G	

290484

Kevin Kringle	Mariposa Energy Project	4/18/2019	9:34																		
		4/19/19	1335	<i>[Signature]</i>																	<i>Zalco</i>

**NOTE:** Samples Discarded 30 days after results unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client's expense

**Sample Type Key:** Aq-Aqueous, BS-Biosolid, DW-Drinking Water, GW-Groundwater, G-Gas, LPG-Liquid Petroleum Gas, OL-Oil; P-Petroleum, S-Solid/Soil, ST-Storm water, WW-Wastewater



ZALCO LABORATORIES, INC.

Analytical & Consulting Services

4309 Armour Avenue  
Bakersfield, California 93308

(661) 395-0539  
FAX (661) 395-3069

May 16, 2019

Kevin Kringle  
Mariposa Energy Project  
4887 Bruns Rd  
Byron, CA 94514

TEL: (209) 830-1401  
FAX

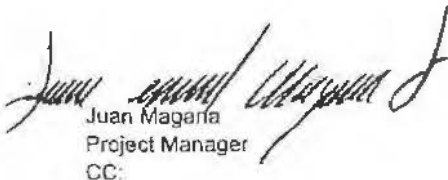
Project ID:  
RE: 1905064

Dear Kevin Kringle:

Zalco Laboratories, Inc. received 1 samples on 5/9/2019 for the analyses presented in the following report.

We appreciate your business and look forward to serving you in the future. Please feel free to call our office if you have any questions regarding these test results.

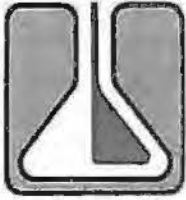
Sincerely,



Juan Magaña  
Project Manager  
CC:

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTLC: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level \*; See Case Narrative  
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**ZALCO LABORATORIES, INC.**  
Analytical & Consulting Services

4309 Armour Avenue  
Bakersfield, California 93308

(661) 395-0539  
FAX (661) 395-3069

Mariposa Energy Project 4887 Bruns Rd Byron, CA 94514	Project: Master Project #: Attention: Kevin Kringle	Work Order No.: 1905064 Reported: 05/16/2019 Received: 05/09/2019 13.45
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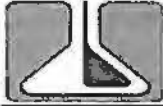
Lab Sample ID: 1905064-01 Client Sample ID: Fuel Gas Sample	Collected By: Date Collected: 5/8/2019 8:27:00AM
--	---

Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
<b>Gas &amp; Air Testing</b>								
Hydrogen sulfide	<1.00	1.00	ppmv		ASTM D6228	5/10/19	5/10/19	MO

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTL: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level -: See Case Narrative  
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Note: Samples analyzed for regulatory purposes should be put on ice immediately after sampling and received by the laboratory at temperatures between 0-5°C. Microbiological analysis requires samples to be at least 4-10°C when received at the laboratory. For additional information regarding the limitations of the method(s) referred to, please call us at 661-395-0539.



**ZALCO LABORATORIES, INC.**

4309 Armour Avenue, Bakersfield, CA 93308 (661) 395-0539 FAX (661) 395-3069 www.zalcolabs.com  
 2186 Eastman Avenue, Suite 103, Ventura, CA 93003 (805) 477-0114 Fax (805) 477-0125

**Mariposa Energy Project**  
 4887 Bruns Rd  
 Byron CA 94514

Laboratory No: 1905064 01  
 Date Received: 05/09/19  
 Date Analyzed: 05/10/19  
 Date Completed: 5/16/19 2:25 PM

Attention: Kevin Kringle

Sample Description: Fuel Gas Sample  
 Sampled: 5/8/2019 @ 8:27:00 AM by Client

Chromatographic Analysis, ASTM D-1945-03, ASTM D-3246-11

Constituent:	Result	Units
Sulfur	0.27	grs S/100 SCF
Total Sulfur	4.44	ppmv

Chromatographic Analysis, ASTM D-1945-03, ASTM D-3588-98, GPA 2148-16, ASTM D-3246-11

Constituent:	Mole %	Weight %	GPM	Fractions	CHONS%
Oxygen	0.119	0.221	(Gallons per		Carbon, C
Nitrogen	0.564	0.919	1000.000		73.52
Hydrogen	0.000	0.000	cubic feet)		Hydrogen, H
Carbon Dioxide	0.830	2.125			23.79
Carbon Monoxide	0.000	0.000			
Hydrogen Sulfide	0.000	0.000			Oxygen, O
Methane	93.282	87.059			1.77
Ethane	4.634	8.105			
Propane	0.460	1.180	0.126	(C3...C3) = 0.126	Nitrogen, N
isoButane	0.043	0.145	0.014		0.92
n-Butane	0.052	0.174	0.016	(C3...C4) = 0.157	
isoPentane	0.010	0.040	0.003		Sulfur, S
n-Pentane	0.007	0.028	0.002	(C3...C5) = 0.163	0.00
Hexanes +	0.000	0.002	0.000	(C3...C6+) = 0.163	
Totals:	100.00	100.00	0.163	0.609	100.00

Flammable Gases: 98.487  
 Gas Properties calculated @ STP: degrees F. 60  
 Measurement Base Pressure @ STP: psia 14.696 H/C Ratio: 0.32

Gas State	Dry		Wet
	Btu / Cu. Ft	Btu / lb	Btu / Cu. Ft
Gross, Ideal Gas	1039.47	22947.68	1021.36
Net, Ideal Gas	937.42	20694.56	921.11
Gross, Real Gas	1041.80		1023.67
Net, Real Gas	939.52		923.17

Relative Gas Density; [Air=1] Ideal:	0.5935	"F" Factor, DSCF/MMBtu @ 60F	8516	9443.7
Specific Gravity, [Air=1] Real gas:	0.5945	"F" Factor, DSCF/MMBtu @ 68F	8646	9587.5
Real Gas Density, Lb/Cu.Ft.:	0.0454	"F" Factor, DSCF/MMBtu @ 70F	8679	9623.9
Specific Volume, Cu.Ft./Lb.:	22.0267	"FC" Factor, DSCF CO2/MMBtu @ 60F	1013.0	1123.3
Relative Liquid Density @ 50F/60F:	0.3126	"FC" Factor, DSCF CO2/MMBtu @ 68F	1028.4	1140.4
Compressibility, 'z':	0.9978			
Fuel kg per kg-mole Molecular wt avg	17.189			



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 2186 Eastman Avenue, Suite 103, Ventura, CA 93003, (805) 477-0114, Fax (805) 477-0125

CHAIN OF CUSTODY, ID#

Client PO: **13648**  
 Project ID:   
 Quote ID:

ANALYSIS REQUESTED **1905064**

COMPANY <b>Mariposa Energy Project</b>				Compliance	ASTM D6228	ASTM D3246	Number of containers	Type of container	Capped Yes	COMMENTS			
CONTACT <b>Kevin Kringle</b>												Turnaround Time:	
PHONE <b>209-830-1401 x304</b>		FAX <b>NA</b>										Routine (10 working days) <input checked="" type="checkbox"/>	
ADDRESS <b>4887 Bruns Rd</b>												Rush By <input type="checkbox"/> Working Days	
<b>Byron, CA. 94514-1905</b>												EDT <input type="checkbox"/>	
E-MAIL <b>k.kringle@dgc-ops.com</b>				State Form <input type="checkbox"/>		EMAIL <input checked="" type="checkbox"/>							
SAMPLER (SIGNATURE)										Notes			
LAB #	SAMPLE DESCRIPTION	DATE	TIME										
1	Fuel Gas Sample	5/8/19	8:27	X	X	X	1	Misc	G				
										<b>2905192</b>			

Relinquished By:	Company	Date	Time	Received By:	Company:
Kevin Kringle	Mariposa Energy Project	5/8/2019	8:34		
		5/9/19	13:45	<i>[Signature]</i>	Zalco

NOTE: Samples Discarded 30 days after results unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client's expense.

Sample Type Key: Aq-Aqueous; BS-Biosolid; DW-Drinking Water; GW-Groundwater; G-Gas; LPG-Liquid Petroleum Gas; OL-Oil; P-Petroleum; S-Solid/Soil; ST-Storm water; WW-Wastewater



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June 18, 2019

Kevin Kringle  
Mariposa Energy Project  
4887 Bruns Rd  
Byron, CA 94514

TEL: (209) 830-1401  
FAX:

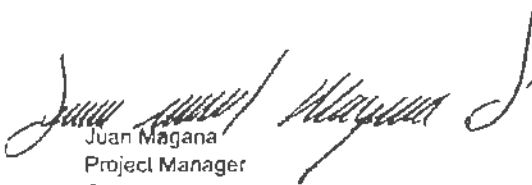
Project ID:  
RE: 1906106

Dear Kevin Kringle:

Zalco Laboratories, Inc. received 1 samples on 6/11/2019 for the analyses presented in the following report.

We appreciate your business and look forward to serving you in the future. Please feel free to call our office if you have any questions regarding these test results.

Sincerely,



Juan Magana  
Project Manager  
CC:

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTLC: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level : See Case Narrative  
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Note: Samples analyzed for regulatory purposes should be put on ice immediately after sampling and received by the laboratory at temperatures between 0-6°C. Microbiological analysis requires samples to be at least 4-10°C when received at the laboratory. For additional information regarding the limitations of the method(s) referred to, please call us at 661-395-0539.



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FAX (661) 395-3069

Mariposa Energy Project 4887 Bruns Rd Byron, CA 94514	Project: Master Project #: Attention: Kevin Kringle	Work Order No.: 1906106 Reported: 06/18/2019 Received: 06/11/2019 13:50
---	---	---

Lab Sample ID: 1906106-01 Client Sample ID: Fuel Gas Sample	Collected By: Date Collected: 6/10/2019 7:25:00AM
--	--

Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
<b>Gas &amp; Air Testing</b>								
Hydrogen sulfide	<1.00	1.00	ppmv		ASTM D6228	6/12/19	6/12/19	MC

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTLC: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level \* See Case Narrative  
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Note: Samples analyzed for regulatory purposes should be put on ice immediately after sampling and received by the laboratory at temperatures between 0-6°C. Microbiological analysis requires samples to be at least 4-10°C when received at the laboratory. For additional information regarding the limitations of the method(s) referred to, please call us at 661-395-0539.



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**Mariposa Energy Project**  
 4887 Bruns Rd  
 Byron CA 94514

Laboratory No: 1906106-01  
 Date Received: 06/11/19  
 Date Analyzed: 06/12/19  
 Date Completed: 6/18/19 1:48 PM

Attention: Kevin Kringle

Sample Description: Fuel Gas Sample  
 Sampled: 6/10/2019 @ 7:25:00 AM by Kevin Kringle

**Chromatographic Analysis, ASTM D-1945-05, ASTM D-3245-11**

Constituent:	Result	Units
Sulfur	0.13	grs S/100 SCF
Total Sulfur	2.11	ppmv

**Chromatographic Analysis, ASTM D-1945-03, ASTM D-3589-88, GPA 2145-16, ASTM D-3245-11**

Constituent:	Mole %	Weight %	GPM	GPM Fractions	CHONSX
Oxygen	0.182	0.345	(Gallons per		Carbon, C
Nitrogen	1.161	1.927	1000.000		72.57
Hydrogen	0.000	0.000	cubic feet)		Hydrogen, H
Carbon Dioxide	0.715	1.866			23.80
Carbon Monoxide	0.000	0.000			Oxygen, O
Hydrogen Sulfide	0.000	0.000			1.70
Methane	94.865	90.185			Nitrogen, N
Ethane	2.888	5.147			1.93
Propane	0.151	0.394	0.041	(C3...C3) = 0.041	
IsoButane	0.012	0.043	0.004		
n-Butane	0.015	0.053	0.005	(C3...C4) = 0.050	
IsoPentane	0.005	0.021	0.002		Sulfur, S
n-Pentane	0.004	0.017	0.001	(C3...C5) = 0.054	0.00
Hexanes +	0.000	0.003	0.000	(C3...C6+) = 0.054	
Totals:	100.00	100.00	0.054	0.199	100.00

Flammable Gases: 97.942  
 Gas Properties calculated @ STP: Degrees F. 60  
 Measurement Base Pressure @ STP: psia 14.696 I/C Ratio: 0.33

Gas State	Dry		Wet
	Btu / Cu. Ft	Btu / lb	Btu / Cu. Ft
Gross, Ideal Gas	1014.33	22809.70	996.68
Net, Ideal Gas	914.14	20556.27	898.23
Gross, Real Gas	1016.47		998.79
Net, Real Gas	916.07		900.13

Relative Gas Density; [Air=1] Ideal:	0.5827	"F" Factor, DSCF/MMBtu @ 60F	8513	9446.6
Specific Gravity, [Air=1] Real gas:	0.5835	"F" Factor, DSCF/MMBtu @ 68F	8643	9590.4
Real Gas Density, Lb/Cu.Ft.:	0.0446	"F" Factor, DSCF/MMBtu @ 70F	8676	9626.9
Specific Volume, Cu.Ft./Lb:	22.4398	"FC" Factor, DSCF CO2/MMBtu @ 60F	1006.0	1116.3
Relative Liquid Density @ 60F/60F:	0.3115	"FC" Factor, DSCF CO2/MMBtu @ 68F	1021.3	1133.3
Compressibility, 'z':	0.9979			
Fuel kg per kg-mole Molecular wt avg	16.875			



**Attachment 3**

**Condition AQ-12/13: Heat Input Report**

**AQ-12/13: Heat Input Limits: 1-hr & Daily Maximums for all CTGs (Attachment 3)**

7/2/2019 10:36:33 AM

Page 1 of 3

**Unit Name:** Mariposa Facility

**Report Start Date/Time:** Mon 04/01/2019 0:00

**Report End Date/Time:** Sun 06/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour mmBTU/Hr Limit 500	S-2:Unit 700 Max 1-Hour mmBTU/Hr Limit 500	S-3:Unit 800 Max 1-Hour mmBTU/Hr Limit 500	S-4:Unit 900 Max 1-Hour mmBTU/Hr Limit 500	S-1:Unit 600 Total mmBTU/Day Limit 11544	S-2:Unit 700 Total mmBTU/Day Limit 11544	S-3:Unit 800 Total mmBTU/Day Limit 11544	S-4:Unit 900 Total mmBTU/Day Limit 11544
04/01/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/03/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/04/2019 0:00	Down	Down	143	111	Down	Down	251	220
04/05/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/06/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/08/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/09/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/11/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/12/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/13/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/14/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/15/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/17/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/18/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/20/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/21/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/22/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/23/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/24/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/27/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/30/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/01/2019 0:00	261	185	162	271	689	336	340	547
05/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/03/2019 0:00	Down	176	Down	Down	Down	204	Down	Down
05/04/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/05/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/06/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/07/2019 0:00	355	294	192	263	1247	1051	348	685
05/08/2019 0:00	292	253	Down	256	1073	345	Down	350
05/09/2019 0:00	91	Down	Down	Down	91	Down	Down	Down
05/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/11/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/12/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/13/2019 0:00	228	227	227	362	439	434	446	864
05/14/2019 0:00	372	367	372	371	1098	1088	1095	2289
05/15/2019 0:00	225	302	224	228	417	792	414	422
05/16/2019 0:00	Down	Down	323	Down	Down	Down	323	Down



**AQ-12/13: Heat Input Limits: 1-hr & Daily Maximums for all CTGs (Attachment 3)**

7/2/2019 10:36:33 PM

Page 2 of 3

**Unit Name:** Mariposa Facility

**Report Start Date/Time :** Mon 04/01/2019 0:00

**Report End Date/Time :** Sun 06/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour mmBTU/Hr Limit 500	S-2:Unit 700 Max 1-Hour mmBTU/Hr Limit 500	S-3:Unit 800 Max 1-Hour mmBTU/Hr Limit 500	S-4:Unit 900 Max 1-Hour mmBTU/Hr Limit 500	S-1:Unit 600 Total mmBTU/Day Limit 11544	S-2:Unit 700 Total mmBTU/Day Limit 11544	S-3:Unit 800 Total mmBTU/Day Limit 11544	S-4:Unit 900 Total mmBTU/Day Limit 11544
05/17/2019 0:00	392	295	325	318	1149	1045	840	982
05/18/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/20/2019 0:00	330	316	236	240	1143	1557	726	738
05/21/2019 0:00	192	322	194	196	284	673	289	292
05/22/2019 0:00	254	328	254	258	834	1952	759	772
05/23/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/24/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/27/2019 0:00	299	221	222	Down	784	349	347	Down
05/28/2019 0:00	262	262	Down	Down	1051	865	Down	Down
05/29/2019 0:00	Down	Down	260	272	Down	Down	928	1216
05/30/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/31/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/01/2019 0:00	264	262	262	267	534	530	530	542
06/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/03/2019 0:00	362	360	359	135	714	710	710	170
06/04/2019 0:00	275	272	274	275	643	639	644	648
06/05/2019 0:00	286	380	287	389	792	885	795	902
06/06/2019 0:00	265	263	265	258	556	551	557	563
06/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/08/2019 0:00	268	267	269	278	828	826	833	854
06/09/2019 0:00	277	404	278	408	1180	1419	1185	1432
06/10/2019 0:00	435	433	443	441	1456	1449	1485	1456
06/11/2019 0:00	459	451	459	454	4504	4451	4549	4495
06/12/2019 0:00	325	324	322	329	2520	2506	2523	2548
06/13/2019 0:00	267	262	263	267	626	741	742	755
06/14/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/15/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/17/2019 0:00	271	270	264	270	845	843	836	856
06/18/2019 0:00	253	252	254	256	293	291	295	299
06/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/20/2019 0:00	425	283	394	397	2172	1051	2123	1655
06/21/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/22/2019 0:00	271	270	272	274	853	849	855	863
06/23/2019 0:00	294	291	294	295	728	723	728	731
06/24/2019 0:00	242	242	243	246	567	570	573	579
06/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/27/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/30/2019 0:00	170	170	Down	Down	297	297	Down	Down

**AQ-12/13: Heat Input Limits: 1-hr & Daily Maximums for all CTGs (Attachment 3)**

7/2/2019 10:36:33 PM

Page 3 of 3

**Unit Name:** Mariposa Facility

**Report Start Date/Time :** Mon 04/01/2019 0:00

**Report End Date/Time :** Sun 06/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour mmBTU/Hr Limit 500	S-2:Unit 700 Max 1-Hour mmBTU/Hr Limit 500	S-3:Unit 800 Max 1-Hour mmBTU/Hr Limit 500	S-4:Unit 900 Max 1-Hour mmBTU/Hr Limit 500	S-1:Unit 600 Total mmBTU/Day Limit 11544	S-2:Unit 700 Total mmBTU/Day Limit 11544	S-3:Unit 800 Total mmBTU/Day Limit 11544	S-4:Unit 900 Total mmBTU/Day Limit 11544
<b>Total:</b>					30408	30022	27071	28733
<b>Average:</b>	289	290	278	289	981	968	902	991
<b>Maximum:</b>	459	451	459	454	4504	4451	4549	4495
<b>Minimum:</b>	91	170	143	111	91	204	251	170

**Attachment 4**

**Condition AQ-14 Heat Input Limit:  
Rolling 12-Month Combined  
CTG Heat Input Report**

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**AQ-14: Heat Input Limit: Rolling 12-Month combined CTG Heat Input (Attachment 4)**

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7/2/2019 10:36:43 PM

Page 1 of 1

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**Unit Name:** Mariposa Facility

DATE/TIME	S-1:Unit 600 Total MMbtu	S-2:Unit 700 Total MMbtu	S-3 Unit 800 Total MMbtu	S-4:Unit 900 Total MMbtu	Facility Total MMbtu Annual Limit 6,128,900
04/2019	288,405	289,951	302,971	292,337	1,173,663
05/2019	279,189	281,967	291,220	282,954	1,135,330
06/2019	276,183	280,409	290,465	281,489	1,128,546
<b>Maximum:</b>	<b>288,405</b>	<b>289,951</b>	<b>302,971</b>	<b>292,337</b>	<b>1,173,663</b>
<b>Minimum:</b>	<b>276,183</b>	<b>280,409</b>	<b>290,465</b>	<b>281,489</b>	<b>1,128,546</b>

**Attachment 5**

**Condition AQ-15a/b Operating Hour Limits:  
Rolling 12-Month Individual and Combined CTG Hours Report**

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**AQ-15a/b: Operating Hour Limits: Rolling 12-Month individual and combined CTG Hrs (Attachment 5)**

7/2/2019 10:37:21 PM

Page 1 of 1

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**Unit Name:** Mariposa Facility

DATE/TIME	S-1:Unit 600 Operating Hrs Limit 5,200	S-2:Unit 700 Operating Hrs Limit 5,200	S-3:Unit 800 Operating Hrs Limit 5,200	S-4 Unit 900 Operating Hrs Limit 5,200	Facility Operating Hrs Limit 16,900
04/2019	968	970	1,017	991	3,946
05/2019	930	937	970	951	3,788
06/2019	912	923	958	935	3,728
<b>Maximum:</b>	968	970	1,017	991	3,946
<b>Minimum:</b>	912	923	958	935	3,728

**Attachment 6**

**Condition AQ-16: SCR/Oxidation Catalyst Operation Report**

## **Condition AQ-16: SCR/Oxidation Catalyst Operation Report**

Permit to Operate Condition 24955 part 16 (AQ-16) states:

*The owner/operator shall ensure that each Gas Turbine (S-1, S-2, S-3, S-4) is abated by the properly operated and properly maintained Selective Catalytic Reduction (SCR) System A-2, A-4, A-6 or A-8 and Oxidation Catalyst System A-1, A-3, A-5, or A-7 whenever fuel is combusted at those sources and the corresponding SCR catalyst bed (A-2, A-4, A-6 or A-8) has reached minimum operating temperature.*

The emission reports presented in Attachments 7, 8, 12, and 13 demonstrate that the gas turbines are operating properly as abated by the Catalytic Reduction (SCR) System A-2, A-4, A-6 or A-8 and Oxidation Catalyst System A-1, A-3, A-5, or A-7 and demonstrate compliance with Condition 24955 parts AQ-17a, 17b, 17c, 17d, 19, and 20.

Demonstration of operation above the minimum catalyst bed temperature is demonstrated by compliance with BAAQMD ATC Condition 24955, parts AQ-17a, 17b, 17c, 17d, 19, and 20.



**Attachment 7**

**Condition AQ-17a/b NOx Emission Limits:  
Hourly Mass Rate and Hourly Average  
Concentration Report**

**Unit Name:** Mariposa Facility

**Report Start Date/Time :** Mon 04/01/2019 0:00

**Report End Date/Time :** Sun 06/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour NOx Lbs/Hr Limit 4.4	S-2:Unit 700 Max 1-Hour NOx Lbs/Hr Limit 4.4	S-3:Unit 800 Max 1-Hour NOx Lbs/Hr Limit 4.4	S-4:Unit 900 Max 1-Hour NOx Lbs/Hr Limit 4.4	S-1:Unit 600 Max 1-Hour NOx@15%O2 Limit 2.5	S-2:Unit 700 Max 1-Hour NOx@15%O2 Limit 2.5	S-3:Unit 800 Max 1-Hour NOx@15%O2 Limit 2.5	S-4:Unit 900 Max 1-Hour NOx@15%O2 Limit 2.5
04/01/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/03/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/04/2019 0:00	Down	Down	0.1	0.0	Down	Down	0.3	0.1
04/05/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/06/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/08/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/09/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/11/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/12/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/13/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/14/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/15/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/17/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/18/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/20/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/21/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/22/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/23/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/24/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/27/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/30/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/01/2019 0:00	1.7	0.0	0.0	1.8	1.8	0.1	0.2	1.8
05/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/03/2019 0:00	Down	0.0	Down	Down	Down	0.0	Down	Down
05/04/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/05/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/06/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/07/2019 0:00	2.3	1.8	0.6	1.6	2.0	1.8	1.0	1.6
05/08/2019 0:00	1.8	0.5	Down	0.5	1.9	0.8	Down	0.9
05/09/2019 0:00	0.0	Down	Down	Down	0.0	Down	Down	Down
05/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/11/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/12/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/13/2019 0:00	1.2	1.3	1.2	2.4	1.4	1.5	1.3	1.9
05/14/2019 0:00	2.6	2.3	2.7	2.8	1.8	1.6	1.8	1.9
05/15/2019 0:00	1.2	1.7	1.1	1.1	1.5	1.6	1.3	1.4
05/16/2019 0:00	Down	Down	0.1	Down	Down	Down	0.4	Down

**Unit Name:** Mariposa Facility

**Report Start Date/Time :** Mon 04/01/2019 0:00

**Report End Date/Time :** Sun 06/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour NOx Lbs/Hr Limit 4.4	S-2:Unit 700 Max 1-Hour NOx Lbs/Hr Limit 4.4	S-3:Unit 800 Max 1-Hour NOx Lbs/Hr Limit 4.4	S-4:Unit 900 Max 1-Hour NOx Lbs/Hr Limit 4.4	S-1:Unit 600 Max 1-Hour NOx@15%O2 Limit 2.5	S-2:Unit 700 Max 1-Hour NOx@15%O2 Limit 2.5	S-3:Unit 800 Max 1-Hour NOx@15%O2 Limit 2.5	S-4:Unit 900 Max 1-Hour NOx@15%O2 Limit 2.5
05/17/2019 0:00	2.8	1.6	1.6	2.1	1.9	1.5	1.7	1.8
05/18/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/20/2019 0:00	2.8	2.0	1.5	1.9	1.9	1.8	1.5	1.8
05/21/2019 0:00	0.2	1.9	0.1	0.2	0.5	1.6	0.4	0.6
05/22/2019 0:00	1.1	2.0	1.8	1.8	1.5	1.7	1.8	1.8
05/23/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/24/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/27/2019 0:00	1.7	0.5	0.4	Down	1.7	0.8	0.7	Down
05/28/2019 0:00	0.2	0.1	Down	Down	0.5	0.5	Down	Down
05/29/2019 0:00	Down	Down	0.3	0.2	Down	Down	0.6	0.6
05/30/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/31/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/01/2019 0:00	1.6	1.5	1.6	1.7	1.6	1.6	1.7	1.7
06/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/03/2019 0:00	2.2	2.0	2.0	0.0	1.6	1.5	1.4	0.0
06/04/2019 0:00	1.8	1.8	1.5	1.9	1.8	1.8	1.6	1.8
06/05/2019 0:00	0.6	0.7	0.7	1.6	0.6	0.6	0.7	1.5
06/06/2019 0:00	0.3	0.4	0.4	0.8	0.4	0.6	0.6	1.1
06/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/08/2019 0:00	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.9
06/09/2019 0:00	2.0	2.9	2.0	3.0	2.0	1.8	1.9	1.8
06/10/2019 0:00	3.2	2.6	3.0	3.2	2.0	1.8	1.8	1.9
06/11/2019 0:00	3.4	3.3	3.4	3.3	2.0	2.0	2.0	2.0
06/12/2019 0:00	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9
06/13/2019 0:00	1.4	1.7	1.6	1.6	1.5	1.7	1.6	1.6
06/14/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/15/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/17/2019 0:00	1.7	1.6	1.8	1.8	1.7	1.6	1.9	1.8
06/18/2019 0:00	0.2	0.2	0.2	0.2	0.5	0.4	0.5	0.5
06/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/20/2019 0:00	3.0	1.9	2.7	3.1	1.8	1.9	1.7	2.2
06/21/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/22/2019 0:00	0.7	0.6	0.8	1.4	0.7	0.6	0.8	1.4
06/23/2019 0:00	0.4	0.4	0.4	0.8	0.4	0.4	0.4	0.8
06/24/2019 0:00	0.3	0.6	0.4	0.5	0.5	0.7	0.6	0.6
06/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/27/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/30/2019 0:00	0.3	0.2	Down	Down	0.7	0.6	Down	Down



**Attachment 8**

**Condition AQ-17c/d CO Emission Limits:  
Hourly Mass Rate/Rolling 3-Hr Concentration Report**

**AQ-17c/d: CO Emission Limits: Hourly mass rate/Rolling 3-hr Concentration (Attachment 8)**

7/2/2019 10:37:47 PM

Page 1 of 3

**Unit Name:** Mariposa Facility

**Report Start Date/Time :** Mon 04/01/2019 0:00

**Report End Date/Time :** Sun 06/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour CO Lbs/Hr Limit 2.14	S-2:Unit 700 Max 1-Hour CO Lbs/Hr Limit 2.14	S-3:Unit 800 Max 1-Hour CO Lbs/Hr Limit 2.14	S-4:Unit 900 Max 1-Hour CO Lbs/Hr Limit 2.14	S-1:Unit 600 Max 3-Hour CO@15%O2 Limit 2.0	S-2:Unit 700 Max 3-Hour CO@15%O2 Limit 2.0	S-3:Unit 800 Max 3-Hour CO@15%O2 Limit 2.0	S-4:Unit 900 Max 3-Hour CO@15%O2 Limit 2.0
04/01/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/03/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/04/2019 0:00	Down	Down	0.03	0.00	Down	Down	0.1	0.0
04/05/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/06/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/08/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/09/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/11/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/12/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/13/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/14/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/15/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/17/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/18/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/20/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/21/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/22/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/23/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/24/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/27/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/30/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/01/2019 0:00	0.66	0.00	0.01	0.63	0.6	0.0	0.1	0.4
05/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/03/2019 0:00	Down	0.00	Down	Down	Down	0.0	Down	Down
05/04/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/05/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/06/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/07/2019 0:00	1.11	0.76	0.22	0.86	1.3	0.6	0.2	0.5
05/08/2019 0:00	0.99	0.27	Down	0.26	1.0	0.3	Down	0.2
05/09/2019 0:00	0.00	Down	Down	Down	0.0	Down	Down	Down
05/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/11/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/12/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/13/2019 0:00	0.64	0.62	0.60	1.21	0.4	0.4	0.4	1.0
05/14/2019 0:00	1.41	1.37	1.42	1.48	1.0	1.0	1.0	1.5
05/15/2019 0:00	0.60	0.98	0.68	0.58	0.4	1.0	0.5	0.4
05/16/2019 0:00	Down	Down	0.09	Down	Down	Down	0.1	Down

**AQ-17c/d: CO Emission Limits: Hourly mass rate/Rolling 3-hr Concentration (Attachment 8)**

7/2/2019 10:37:47 PM

Page 2 of 3

**Unit Name:** Mariposa Facility

**Report Start Date/Time :** Mon 04/01/2019 0:00

**Report End Date/Time :** Sun 06/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour CO Lbs/Hr Limit 2.14	S-2:Unit 700 Max 1-Hour CO Lbs/Hr Limit 2.14	S-3:Unit 800 Max 1-Hour CO Lbs/Hr Limit 2.14	S-4:Unit 900 Max 1-Hour CO Lbs/Hr Limit 2.14	S-1:Unit 600 Max 3-Hour CO@15%O2 Limit 2.0	S-2:Unit 700 Max 3-Hour CO@15%O2 Limit 2.0	S-3:Unit 800 Max 3-Hour CO@15%O2 Limit 2.0	S-4:Unit 900 Max 3-Hour CO@15%O2 Limit 2.0
05/17/2019 0:00	1.25	0.99	0.78	1.12	1.0	0.9	0.6	0.8
05/18/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/20/2019 0:00	1.26	0.82	0.61	0.75	1.0	0.7	0.3	0.4
05/21/2019 0:00	0.11	0.55	0.10	0.06	0.2	0.4	0.1	0.1
05/22/2019 0:00	0.58	1.16	0.88	0.91	0.5	1.2	0.5	0.5
05/23/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/24/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/27/2019 0:00	0.97	0.31	0.29	Down	1.0	0.3	0.3	Down
05/28/2019 0:00	0.08	0.07	Down	Down	0.3	0.3	Down	Down
05/29/2019 0:00	Down	Down	0.09	0.14	Down	Down	0.2	0.2
05/30/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/31/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/01/2019 0:00	0.93	0.90	0.90	0.95	0.7	0.7	0.7	0.7
06/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/03/2019 0:00	1.27	1.33	1.32	0.00	0.7	0.7	0.7	0.0
06/04/2019 0:00	0.60	0.37	0.73	0.07	0.5	0.3	0.6	0.0
06/05/2019 0:00	1.08	0.12	0.63	0.31	1.0	0.1	0.6	0.3
06/06/2019 0:00	0.46	0.19	0.31	0.15	0.7	0.2	0.5	0.2
06/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/08/2019 0:00	0.90	0.90	0.89	0.93	1.2	1.2	1.2	1.0
06/09/2019 0:00	1.07	1.46	0.97	1.66	1.6	1.6	1.5	1.7
06/10/2019 0:00	1.54	1.53	1.37	1.55	1.5	1.1	1.1	1.2
06/11/2019 0:00	1.88	1.85	1.88	1.76	1.8	1.8	1.8	1.7
06/12/2019 0:00	1.12	1.06	1.06	1.12	1.5	1.7	1.6	1.7
06/13/2019 0:00	0.79	0.87	0.87	0.85	0.5	0.6	0.7	0.6
06/14/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/15/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/17/2019 0:00	0.97	0.87	0.80	0.94	0.9	0.9	0.8	0.9
06/18/2019 0:00	0.11	0.13	0.12	0.11	0.2	0.2	0.2	0.2
06/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/20/2019 0:00	1.53	1.00	1.33	1.46	1.5	1.5	1.4	1.5
06/21/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/22/2019 0:00	1.15	0.98	1.14	1.07	1.5	1.2	1.4	1.3
06/23/2019 0:00	1.13	0.79	1.10	0.90	1.0	0.7	1.0	0.8
06/24/2019 0:00	0.56	0.79	0.49	0.63	0.6	0.7	0.5	0.6
06/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/27/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/30/2019 0:00	0.17	0.13	Down	Down	0.2	0.2	Down	Down

**Unit Name:** Mariposa Facility

**Report Start Date/Time :** Mon 04/01/2019 0:00

**Report End Date/Time :** Sun 06/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour CO Lbs/Hr Limit 2.14	S-2:Unit 700 Max 1-Hour CO Lbs/Hr Limit 2.14	S-3:Unit 800 Max 1-Hour CO Lbs/Hr Limit 2.14	S-4:Unit 900 Max 1-Hour CO Lbs/Hr Limit 2.14	S-1:Unit 600 Max 3-Hour CO@15%O2 Limit 2.0	S-2:Unit 700 Max 3-Hour CO@15%O2 Limit 2.0	S-3:Unit 800 Max 3-Hour CO@15%O2 Limit 2.0	S-4:Unit 900 Max 3-Hour CO@15%O2 Limit 2.0
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<b>Total:</b>								
<b>Average:</b>	0.87	0.75	0.72	0.77	0.8	0.7	0.7	0.7
<b>Maximum:</b>	1.88	1.85	1.88	1.76	1.8	1.8	1.8	1.7
<b>Minimum:</b>	0.00	0.00	0.01	0.00	0.0	0.0	0.1	0.0



**Attachment 9**

**Condition AQ-17e NH<sub>3</sub> Emission Limits:  
Rolling 3-Hr Slip Calculation Report**

**AQ-17e: NH3 Emission Limits: Rolling 3-hr NH3 slip calculation (Attachment 9)**

7/2/2019 10:37:58 PM

Page 1 of 3

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 04/01/2019 0:00

Report End Date/Time : Sun 06/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 3-Hour NH3@15%O2 Limit 5	S-2:Unit 700 Max 3-Hour NH3@15%O2 Limit 5	S-3:Unit 800 Max 3-Hour NH3@15%O2 Limit 5	S-4:Unit 900 Max 3-Hour NH3@15%O2 Limit 5				
04/01/2019 0:00	Down	Down	Down	Down				
04/02/2019 0:00	Down	Down	Down	Down				
04/03/2019 0:00	Down	Down	Down	Down				
04/04/2019 0:00	Down	Down	0	0				
04/05/2019 0:00	Down	Down	Down	Down				
04/06/2019 0:00	Down	Down	Down	Down				
04/07/2019 0:00	Down	Down	Down	Down				
04/08/2019 0:00	Down	Down	Down	Down				
04/09/2019 0:00	Down	Down	Down	Down				
04/10/2019 0:00	Down	Down	Down	Down				
04/11/2019 0:00	Down	Down	Down	Down				
04/12/2019 0:00	Down	Down	Down	Down				
04/13/2019 0:00	Down	Down	Down	Down				
04/14/2019 0:00	Down	Down	Down	Down				
04/15/2019 0:00	Down	Down	Down	Down				
04/16/2019 0:00	Down	Down	Down	Down				
04/17/2019 0:00	Down	Down	Down	Down				
04/18/2019 0:00	Down	Down	Down	Down				
04/19/2019 0:00	Down	Down	Down	Down				
04/20/2019 0:00	Down	Down	Down	Down				
04/21/2019 0:00	Down	Down	Down	Down				
04/22/2019 0:00	Down	Down	Down	Down				
04/23/2019 0:00	Down	Down	Down	Down				
04/24/2019 0:00	Down	Down	Down	Down				
04/25/2019 0:00	Down	Down	Down	Down				
04/26/2019 0:00	Down	Down	Down	Down				
04/27/2019 0:00	Down	Down	Down	Down				
04/28/2019 0:00	Down	Down	Down	Down				
04/29/2019 0:00	Down	Down	Down	Down				
04/30/2019 0:00	Down	Down	Down	Down				
05/01/2019 0:00	0	0	0	1				
05/02/2019 0:00	Down	Down	Down	Down				
05/03/2019 0:00	Down	0	Down	Down				
05/04/2019 0:00	Down	Down	Down	Down				
05/05/2019 0:00	Down	Down	Down	Down				
05/06/2019 0:00	Down	Down	Down	Down				
05/07/2019 0:00	1	0	0	1				
05/08/2019 0:00	0	0	Down	0				
05/09/2019 0:00	0	Down	Down	Down				
05/10/2019 0:00	Down	Down	Down	Down				
05/11/2019 0:00	Down	Down	Down	Down				
05/12/2019 0:00	Down	Down	Down	Down				
05/13/2019 0:00	0	0	0	1				
05/14/2019 0:00	1	1	1	2				
05/15/2019 0:00	0	1	0	0				
05/16/2019 0:00	Down	Down	0	Down				

**AQ-17e: NH3 Emission Limits: Rolling 3-hr NH3 slip calculation (Attachment 9)**

7/2/2019 10:37:59 PM

Page 2 of 3

**Unit Name:** Mariposa Facility

**Report Start Date/Time :** Mon 04/01/2019 0:00

**Report End Date/Time :** Sun 06/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 3-Hour NH3@15%O2 Limit 5	S-2:Unit 700 Max 3-Hour NH3@15%O2 Limit 5	S-3:Unit 800 Max 3-Hour NH3@15%O2 Limit 5	S-4:Unit 900 Max 3-Hour NH3@15%O2 Limit 5				
05/17/2019 0:00	1	1	1	1				
05/18/2019 0:00	Down	Down	Down	Down				
05/19/2019 0:00	Down	Down	Down	Down				
05/20/2019 0:00	1	1	0	1				
05/21/2019 0:00	0	1	0	0				
05/22/2019 0:00	0	2	0	0				
05/23/2019 0:00	Down	Down	Down	Down				
05/24/2019 0:00	Down	Down	Down	Down				
05/25/2019 0:00	Down	Down	Down	Down				
05/26/2019 0:00	Down	Down	Down	Down				
05/27/2019 0:00	0	0	0	Down				
05/28/2019 0:00	0	0	Down	Down				
05/29/2019 0:00	Down	Down	0	0				
05/30/2019 0:00	Down	Down	Down	Down				
05/31/2019 0:00	Down	Down	Down	Down				
06/01/2019 0:00	0	0	0	0				
06/02/2019 0:00	Down	Down	Down	Down				
06/03/2019 0:00	1	1	1	0				
06/04/2019 0:00	0	0	1	1				
06/05/2019 0:00	1	1	2	2				
06/06/2019 0:00	0	0	1	1				
06/07/2019 0:00	Down	Down	Down	Down				
06/08/2019 0:00	0	0	1	1				
06/09/2019 0:00	0	2	1	2				
06/10/2019 0:00	2	2	2	3				
06/11/2019 0:00	3	3	2	3				
06/12/2019 0:00	1	1	1	2				
06/13/2019 0:00	0	0	0	1				
06/14/2019 0:00	Down	Down	Down	Down				
06/15/2019 0:00	Down	Down	Down	Down				
06/16/2019 0:00	Down	Down	Down	Down				
06/17/2019 0:00	0	0	0	1				
06/18/2019 0:00	0	0	0	0				
06/19/2019 0:00	Down	Down	Down	Down				
06/20/2019 0:00	2	1	2	2				
06/21/2019 0:00	Down	Down	Down	Down				
06/22/2019 0:00	1	1	1	1				
06/23/2019 0:00	1	1	2	2				
06/24/2019 0:00	0	0	0	1				
06/25/2019 0:00	Down	Down	Down	Down				
06/26/2019 0:00	Down	Down	Down	Down				
06/27/2019 0:00	Down	Down	Down	Down				
06/28/2019 0:00	Down	Down	Down	Down				
06/29/2019 0:00	Down	Down	Down	Down				
06/30/2019 0:00	0	0	Down	Down				

**AQ-17e: NH3 Emission Limits: Rolling 3-hr NH3 slip calculation (Attachment 9)**

7/2/2019 10:37:59 PM

Page 3 of 3

**Unit Name:** Mariposa Facility

**Report Start Date/Time :** Mon 04/01/2019 0:00

**Report End Date/Time :** Sun 06/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 3-Hour NH3@15%O2 Limit 5	S-2:Unit 700 Max 3-Hour NH3@15%O2 Limit 5	S-3:Unit 800 Max 3-Hour NH3@15%O2 Limit 5	S-4:Unit 900 Max 3-Hour NH3@15%O2 Limit 5				
-----------	--	--	--	--	--	--	--	--

Total:								
Average:	1	1	1	1				
Maximum:	3	3	2	3				
Minimum:	0	0	0	0				

**Attachment 10**

**Condition AQ-17f/g Hourly Mass Emission Limits:  
POC & SO<sub>2</sub> Report**

**AQ-17f/g: Hourly Mass Emission Limits: POC and SO2 (Attachment 10)**

7/2/2019 10:38:08 PM

Page 1 of 3

**Unit Name:** Mariposa Facility

**Report Start Date/Time :** Mon 04/01/2019 0:00

**Report End Date/Time :** Sun 06/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 1-hour POC Lbs/Hr Limit 0.612	S-2:Unit 700 Max 1-Hour POC Lbs/Hr Limit 0.612	S-3:Unit 800 Max 1-Hour POC Lbs/Hr Limit 0.612	S-4:Unit 900 Max 1-Hour POC Lbs/Hr Limit 0.612	S-1:Unit 600 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-2:Unit 700 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-3:Unit 800 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-4:Unit 900 Max 1-Hour SO2 Lbs/Hr Limit 1.347
04/01/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/03/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/04/2019 0:00	Down	Down	0.015	0.007	Down	Down	0.075	0.034
04/05/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/06/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/08/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/09/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/11/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/12/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/13/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/14/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/15/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/17/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/18/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/20/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/21/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/22/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/23/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/24/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/27/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
04/30/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/01/2019 0:00	0.016	0.009	0.013	0.016	0.158	0.054	0.064	0.082
05/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/03/2019 0:00	Down	0.008	Down	Down	Down	0.045	Down	Down
05/04/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/05/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/06/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/07/2019 0:00	0.021	0.021	0.026	0.016	0.213	0.118	0.129	0.079
05/08/2019 0:00	0.018	0.018	Down	0.016	0.180	0.103	Down	0.078
05/09/2019 0:00	0.000	Down	Down	Down	0.000	Down	Down	Down
05/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/11/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/12/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/13/2019 0:00	0.017	0.020	0.030	0.022	0.171	0.114	0.148	0.109
05/14/2019 0:00	0.025	0.028	0.041	0.024	0.245	0.161	0.204	0.122
05/15/2019 0:00	0.016	0.021	0.026	0.016	0.156	0.123	0.130	0.079
05/16/2019 0:00	Down	Down	0.023	Down	Down	Down	0.116	Down

**AQ-17f/g: Hourly Mass Emission Limits: POC and SO2 (Attachment 10)**

7/2/2019 10:38:08 PM

Page 2 of 3

**Unit Name:** Mariposa Facility

**Report Start Date/Time :** Mon 04/01/2019 0:00

**Report End Date/Time :** Sun 06/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour POC Lbs/Hr Limit 0.612	S-2:Unit 700 Max 1-Hour POC Lbs/Hr Limit 0.612	S-3:Unit 800 Max 1-Hour POC Lbs/Hr Limit 0.612	S-4:Unit 900 Max 1-Hour POC Lbs/Hr Limit 0.612	S-1:Unit 600 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-2:Unit 700 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-3:Unit 800 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-4:Unit 900 Max 1-Hour SO2 Lbs/Hr Limit 1.347
05/17/2019 0:00	0.024	0.021	0.037	0.019	0.235	0.120	0.187	0.097
05/18/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/20/2019 0:00	0.024	0.023	0.028	0.017	0.238	0.132	0.139	0.085
05/21/2019 0:00	0.012	0.023	0.020	0.012	0.118	0.129	0.100	0.059
05/22/2019 0:00	0.018	0.026	0.030	0.018	0.181	0.147	0.149	0.091
05/23/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/24/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/27/2019 0:00	0.018	0.018	0.026	Down	0.181	0.103	0.129	Down
05/28/2019 0:00	0.016	0.018	Down	Down	0.157	0.105	Down	Down
05/29/2019 0:00	Down	Down	0.026	0.016	Down	Down	0.130	0.082
05/30/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
05/31/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/01/2019 0:00	0.016	0.018	0.026	0.016	0.159	0.105	0.131	0.080
06/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/03/2019 0:00	0.024	0.028	0.039	0.007	0.237	0.158	0.197	0.034
06/04/2019 0:00	0.016	0.019	0.027	0.016	0.161	0.107	0.134	0.081
06/05/2019 0:00	0.017	0.025	0.029	0.022	0.172	0.141	0.144	0.109
06/06/2019 0:00	0.016	0.018	0.027	0.016	0.159	0.105	0.133	0.080
06/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/08/2019 0:00	0.016	0.019	0.027	0.018	0.161	0.107	0.135	0.088
06/09/2019 0:00	0.017	0.031	0.028	0.027	0.167	0.177	0.140	0.134
06/10/2019 0:00	0.027	0.030	0.044	0.026	0.266	0.174	0.222	0.132
06/11/2019 0:00	0.028	0.032	0.046	0.027	0.276	0.181	0.230	0.137
06/12/2019 0:00	0.020	0.023	0.032	0.020	0.195	0.130	0.161	0.099
06/13/2019 0:00	0.015	0.019	0.028	0.017	0.155	0.109	0.141	0.084
06/14/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/15/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/17/2019 0:00	0.016	0.019	0.026	0.016	0.164	0.109	0.132	0.082
06/18/2019 0:00	0.012	0.015	0.021	0.012	0.119	0.085	0.105	0.061
06/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/20/2019 0:00	0.027	0.021	0.043	0.026	0.268	0.119	0.214	0.129
06/21/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/22/2019 0:00	0.017	0.019	0.028	0.017	0.167	0.111	0.140	0.085
06/23/2019 0:00	0.017	0.020	0.028	0.017	0.168	0.115	0.141	0.084
06/24/2019 0:00	0.012	0.016	0.020	0.012	0.117	0.092	0.102	0.062
06/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/27/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
06/30/2019 0:00	0.013	0.015	Down	Down	0.131	0.085	Down	Down

**AQ-17f/g: Hourly Mass Emission Limits: POC and SO2 (Attachment 10)**

7/2/2019 10:38:08 PM

Page 3 of 3

**Unit Name:** Mariposa Facility

**Report Start Date/Time :** Mon 04/01/2019 0:00

**Report End Date/Time :** Sun 06/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour POC Lbs/Hr Limit 0.612	S-2:Unit 700 Max 1-Hour POC Lbs/Hr Limit 0.612	S-3:Unit 800 Max 1-Hour POC Lbs/Hr Limit 0.612	S-4:Unit 900 Max 1-Hour POC Lbs/Hr Limit 0.612	S-1:Unit 600 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-2:Unit 700 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-3:Unit 800 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-4:Unit 900 Max 1-Hour SO2 Lbs/Hr Limit 1.347
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<b>Total:</b>								
<b>Average:</b>	0.018	0.021	0.029	0.018	0.177	0.118	0.143	0.088
<b>Maximum:</b>	0.028	0.032	0.046	0.027	0.276	0.181	0.230	0.137
<b>Minimum:</b>	0.000	0.008	0.013	0.007	0.000	0.045	0.064	0.034



**Attachment 11**

**Condition AQ-18 Startup/Shutdown Emission Limits Report**



**AQ-18: Startup and Shutdown Emission Limits (Attachment 11)**

7/2/2019 10:33:29 PM

Page 2 of 3

**Unit Name:** Mariposa Unit 600

**Report Start Date/Time :** Mon 04/01/2019 0:00

**Report End Date/Time :** Sun 06/30/2019 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14.2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2.7	Max CO Lbs/Hr Limit 17.3	Max POC Lbs Startup Limit 1.1	Max POC Lbs Shutdown Limit 0.12	Max POC Lbs/Hr Limit 1.4
05/03/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/04/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/05/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/06/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/07/2019 0:00	5.9	1.1	6.4	0.9	0.1	1.1	0.0	0.00	0.0
05/08/2019 0:00	5.5	1.3	5.8	0.7	0.1	1.0	0.0	0.00	0.0
05/09/2019 0:00	10.1	0.0	10.1	0.6	0.0	0.6	0.0	0.00	0.0
05/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/11/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/12/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/13/2019 0:00	5.7	1.2	6.2	0.8	0.1	1.1	0.0	0.00	0.0
05/14/2019 0:00	5.7	1.0	6.1	0.5	0.2	1.4	0.0	0.00	0.0
05/15/2019 0:00	5.5	1.0	5.9	1.0	0.1	1.3	0.0	0.00	0.0
05/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/17/2019 0:00	5.7	1.3	6.2	1.5	0.2	1.8	0.0	0.00	0.0
05/18/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/20/2019 0:00	6.1	1.0	6.7	0.9	0.2	1.2	0.0	0.00	0.0
05/21/2019 0:00	5.5	1.2	5.9	0.5	0.1	0.8	0.0	0.00	0.0
05/22/2019 0:00	5.7	1.3	6.2	1.3	0.2	2.0	0.0	0.00	0.0
05/23/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/24/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/27/2019 0:00	6.1	0.0	6.4	0.5	0.0	0.8	0.0	0.00	0.0
05/28/2019 0:00	5.8	1.3	5.9	0.5	0.1	0.6	0.0	0.00	0.0
05/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/30/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/31/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/01/2019 0:00	5.7	1.1	6.1	0.5	0.2	0.7	0.0	0.00	0.0
06/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/03/2019 0:00	6.1	1.1	6.8	1.5	0.2	2.0	0.0	0.00	0.0

**AQ-18: Startup and Shutdown Emission Limits (Attachment 11)**

7/2/2019 10:33:29 PM

Page 3 of 3

**Unit Name:** Mariposa Unit 600

**Report Start Date/Time :** Mon 04/01/2019 0:00

**Report End Date/Time :** Sun 06/30/2019 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14.2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2.7	Max CO Lbs/Hr Limit 17.3	Max POC Lbs Startup Limit 1.1	Max POC Lbs Shutdown Limit 0.12	Max POC Lbs/Hr Limit 1.4
06/04/2019 0:00	5.6	1.4	6.0	1.1	0.1	1.3	0.0	0.00	0.0
06/05/2019 0:00	5.3	0.8	5.5	1.7	0.2	2.0	0.0	0.00	0.0
06/06/2019 0:00	5.7	0.8	6.1	0.4	0.2	1.0	0.0	0.00	0.0
06/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/08/2019 0:00	5.7	1.0	6.3	1.4	0.2	1.7	0.0	0.00	0.0
06/09/2019 0:00	5.0	1.3	5.7	1.4	0.2	1.7	0.0	0.00	0.0
06/10/2019 0:00	5.7	0.0	6.3	1.4	0.0	1.9	0.0	0.00	0.0
06/11/2019 0:00	5.1	1.3	6.3	0.4	0.2	1.5	0.0	0.00	0.0
06/12/2019 0:00	5.2	1.2	5.4	0.7	0.1	1.0	0.0	0.00	0.0
06/13/2019 0:00	5.7	1.1	6.1	0.6	0.2	1.2	0.0	0.00	0.0
06/14/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/15/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/17/2019 0:00	5.8	1.2	6.1	0.5	0.2	1.2	0.0	0.00	0.0
06/18/2019 0:00	5.4	0.9	5.9	1.0	0.2	1.3	0.0	0.00	0.0
06/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/20/2019 0:00	6.2	1.0	6.8	0.7	0.2	1.1	0.0	0.00	0.0
06/21/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/22/2019 0:00	5.3	0.7	5.5	1.1	0.2	1.5	0.0	0.00	0.0
06/23/2019 0:00	5.7	0.4	6.1	1.5	0.2	2.2	0.0	0.00	0.0
06/24/2019 0:00	5.5	0.6	5.9	1.5	0.2	2.2	0.0	0.00	0.0
06/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/27/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/30/2019 0:00	5.8	1.3	6.4	0.4	0.1	0.7	0.0	0.00	0.0

**Total:**

<b>Average:</b>	5.8	1.0	6.3	1.0	0.1	1.4	0.0	0.00	0.02
<b>Maximum:</b>	10.1	1.4	10.1	2.5	0.2	2.7	0.0	0.00	0.02
<b>Minimum:</b>	5.0	0.0	5.4	0.4	0.0	0.6	0.0	0.00	0.01



**AQ-18: Startup and Shutdown Emission Limits (Attachment 11)**

7/2/2019 10:33:38 PM

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**Unit Name:** Mariposa Unit 700

**Report Start Date/Time :** Mon 04/01/2019 0:00

**Report End Date/Time :** Sun 06/30/2019 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14.2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2.7	Max CO Lbs/Hr Limit 17.3	Max POC Lbs Startup Limit 1.1	Max POC Lbs Shutdown Limit 0.12	Max POC Lbs/Hr Limit 1.4
05/03/2019 0:00	7.3	1.4	8.7	1.1	0.1	1.2	0.0	0.00	0.0
05/04/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/05/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/06/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/07/2019 0:00	6.5	1.6	7.2	0.5	0.2	0.9	0.0	0.00	0.0
05/08/2019 0:00	6.0	1.3	6.3	0.4	0.2	0.7	0.0	0.00	0.0
05/09/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/11/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/12/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/13/2019 0:00	6.3	1.2	6.8	0.9	0.2	1.1	0.0	0.00	0.0
05/14/2019 0:00	6.1	1.2	6.4	1.5	0.2	2.4	0.0	0.00	0.0
05/15/2019 0:00	6.0	1.2	6.5	0.4	0.2	0.6	0.0	0.00	0.0
05/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/17/2019 0:00	6.4	1.4	6.7	1.3	0.2	1.5	0.0	0.00	0.0
05/18/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/20/2019 0:00	7.0	1.3	7.4	0.4	0.2	0.7	0.0	0.00	0.0
05/21/2019 0:00	6.4	1.4	6.8	1.3	0.1	1.5	0.0	0.00	0.0
05/22/2019 0:00	6.3	1.4	6.7	1.4	0.2	1.6	0.0	0.00	0.0
05/23/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/24/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/27/2019 0:00	6.1	0.0	6.4	0.4	0.0	0.6	0.0	0.00	0.0
05/28/2019 0:00	6.2	1.5	6.3	0.5	0.2	0.6	0.0	0.00	0.0
05/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/30/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/31/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/01/2019 0:00	6.0	1.2	6.4	1.5	0.2	1.7	0.0	0.00	0.0
06/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/03/2019 0:00	7.6	1.1	8.0	1.2	0.2	1.6	0.0	0.00	0.0

**AQ-18: Startup and Shutdown Emission Limits (Attachment 11)**

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**Unit Name:** Mariposa Unit 700

**Report Start Date/Time :** Mon 04/01/2019 0:00

**Report End Date/Time :** Sun 06/30/2019 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14.2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2.7	Max CO Lbs/Hr Limit 17.3	Max POC Lbs Startup Limit 1.1	Max POC Lbs Shutdown Limit 0.12	Max POC Lbs/Hr Limit 1.4
06/04/2019 0:00	6.6	1.6	6.9	1.1	0.1	1.1	0.0	0.00	0.0
06/05/2019 0:00	13.1	0.7	13.4	1.5	0.1	1.6	0.0	0.00	0.0
06/06/2019 0:00	6.5	0.7	7.1	1.3	0.1	1.4	0.0	0.00	0.0
06/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/08/2019 0:00	6.2	1.4	6.5	1.1	0.2	1.4	0.0	0.00	0.0
06/09/2019 0:00	5.6	1.5	6.1	0.6	0.2	0.8	0.0	0.00	0.0
06/10/2019 0:00	5.7	0.0	6.6	1.2	0.0	1.5	0.0	0.00	0.0
06/11/2019 0:00	5.5	1.3	6.4	1.0	0.2	1.5	0.0	0.00	0.0
06/12/2019 0:00	5.7	1.3	6.2	1.5	0.2	1.9	0.0	0.00	0.0
06/13/2019 0:00	6.1	1.2	6.5	1.3	0.2	1.5	0.0	0.00	0.0
06/14/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/15/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/17/2019 0:00	6.2	1.4	6.5	1.3	0.2	1.6	0.0	0.00	0.0
06/18/2019 0:00	5.8	0.9	6.2	0.6	0.2	0.9	0.0	0.00	0.0
06/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/20/2019 0:00	6.9	1.1	7.2	0.7	0.2	0.9	0.0	0.00	0.0
06/21/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/22/2019 0:00	6.3	0.6	6.5	0.8	0.2	1.1	0.0	0.00	0.0
06/23/2019 0:00	6.7	0.3	7.2	1.3	0.2	1.7	0.0	0.00	0.0
06/24/2019 0:00	6.2	0.7	6.4	1.1	0.2	2.0	0.0	0.00	0.0
06/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/27/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/30/2019 0:00	6.7	1.2	7.1	1.4	0.2	1.6	0.0	0.00	0.0

<b>Total:</b>									
<b>Average:</b>	6.7	1.1	7.1	1.2	0.2	1.5	0.0	0.00	0.02
<b>Maximum:</b>	13.1	1.6	13.4	5.8	0.2	5.8	0.0	0.00	0.03
<b>Minimum:</b>	5.5	0.0	6.1	0.4	0.0	0.6	0.0	0.00	0.01





**AQ-18: Startup and Shutdown Emission Limits (Attachment 11)**

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**Unit Name:** Mariposa Unit 800

**Report Start Date/Time :** Mon 04/01/2019 0:00

**Report End Date/Time :** Sun 06/30/2019 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14.2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2.7	Max CO Lbs/Hr Limit 17.3	Max POC Lbs Startup Limit 1.1	Max POC Lbs Shutdown Limit 0.12	Max POC Lbs/Hr Limit 1.4
05/03/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/04/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/05/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/06/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/07/2019 0:00	8.0	1.0	8.5	0.9	0.1	1.1	0.0	0.00	0.0
05/08/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/09/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/11/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/12/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/13/2019 0:00	6.8	1.0	7.4	0.9	0.1	1.3	0.0	0.00	0.0
05/14/2019 0:00	6.4	1.2	6.9	1.1	0.2	1.3	0.0	0.00	0.0
05/15/2019 0:00	6.1	1.0	6.5	0.5	0.1	0.8	0.0	0.00	0.0
05/16/2019 0:00	6.7	0.0	7.1	0.7	0.0	1.0	0.0	0.00	0.0
05/17/2019 0:00	6.8	1.2	7.1	0.6	0.2	1.0	0.0	0.00	0.0
05/18/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/20/2019 0:00	7.0	1.2	7.5	0.8	0.2	1.1	0.0	0.00	0.0
05/21/2019 0:00	6.4	1.0	6.7	0.5	0.1	0.7	0.0	0.00	0.0
05/22/2019 0:00	6.5	1.0	6.9	1.1	0.2	1.7	0.0	0.00	0.0
05/23/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/24/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/27/2019 0:00	6.3	0.0	6.6	0.6	0.0	0.9	0.0	0.00	0.0
05/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/29/2019 0:00	6.5	1.3	6.5	1.0	0.1	1.0	0.0	0.00	0.0
05/30/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/31/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/01/2019 0:00	6.2	1.0	6.7	0.9	0.2	1.2	0.0	0.00	0.0
06/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/03/2019 0:00	7.8	0.9	8.4	1.0	0.2	1.5	0.0	0.00	0.0

**AQ-18: Startup and Shutdown Emission Limits (Attachment 11)**

7/2/2019 10:33:48 PM

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**Unit Name:** Mariposa Unit 800

**Report Start Date/Time :** Mon 04/01/2019 0:00

**Report End Date/Time :** Sun 06/30/2019 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14.2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2.7	Max CO Lbs/Hr Limit 17.3	Max POC Lbs Startup Limit 1.1	Max POC Lbs Shutdown Limit 0.12	Max POC Lbs/Hr Limit 1.4
06/04/2019 0:00	7.2	1.4	7.4	0.9	0.1	1.0	0.0	0.00	0.0
06/05/2019 0:00	5.7	0.6	5.8	1.5	0.1	1.7	0.0	0.00	0.0
06/06/2019 0:00	6.6	0.7	7.2	1.0	0.1	1.4	0.0	0.00	0.0
06/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/08/2019 0:00	6.5	1.3	6.8	1.0	0.2	1.3	0.0	0.00	0.0
06/09/2019 0:00	5.5	1.3	6.1	0.7	0.2	0.9	0.0	0.00	0.0
06/10/2019 0:00	5.8	0.0	6.6	1.1	0.0	1.4	0.0	0.00	0.0
06/11/2019 0:00	5.4	1.3	6.5	0.9	0.2	1.5	0.0	0.00	0.0
06/12/2019 0:00	5.5	1.2	6.0	1.3	0.1	1.6	0.0	0.00	0.0
06/13/2019 0:00	6.1	1.0	6.6	1.4	0.2	1.6	0.0	0.00	0.0
06/14/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/15/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/17/2019 0:00	6.5	1.1	6.8	1.1	0.2	1.4	0.0	0.00	0.0
06/18/2019 0:00	5.9	1.3	6.4	0.7	0.2	1.0	0.0	0.00	0.0
06/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/20/2019 0:00	8.1	0.9	8.6	1.2	0.2	1.6	0.0	0.00	0.0
06/21/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/22/2019 0:00	6.3	0.3	6.5	0.9	0.2	1.3	0.0	0.00	0.0
06/23/2019 0:00	6.6	0.2	6.9	0.6	0.2	1.3	0.0	0.00	0.0
06/24/2019 0:00	6.4	0.7	6.6	1.1	0.2	1.7	0.0	0.00	0.0
06/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/27/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/30/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down

<b>Total:</b>									
<b>Average:</b>	6.6	0.9	7.1	1.0	0.1	1.4	0.0	0.00	0.03
<b>Maximum:</b>	9.0	1.4	9.0	4.1	0.2	4.1	0.0	0.00	0.04
<b>Minimum:</b>	5.4	0.0	5.8	0.5	0.0	0.7	0.0	0.00	0.02



**AQ-18: Startup and Shutdown Emission Limits (Attachment 11)**

7/2/2019 10:33:57 PM

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**Unit Name:** Mariposa Unit 900

**Report Start Date/Time :** Mon 04/01/2019 0:00

**Report End Date/Time :** Sun 06/30/2019 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14.2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2.7	Max CO Lbs/Hr Limit 17.3	Max POC Lbs Startup Limit 1.1	Max POC Lbs Shutdown Limit 0.12	Max POC Lbs/Hr Limit 1.4
05/03/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/04/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/05/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/06/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/07/2019 0:00	7.3	1.4	7.8	0.4	0.1	0.9	0.0	0.00	0.0
05/08/2019 0:00	6.8	1.2	7.2	0.8	0.1	1.0	0.0	0.00	0.0
05/09/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/11/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/12/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/13/2019 0:00	7.8	1.2	7.9	0.3	0.1	0.5	0.0	0.00	0.0
05/14/2019 0:00	8.8	1.4	7.3	0.4	0.1	1.3	0.0	0.00	0.0
05/15/2019 0:00	6.7	1.2	7.2	0.5	0.1	0.7	0.0	0.00	0.0
05/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/17/2019 0:00	6.6	1.3	7.1	0.4	0.1	0.7	0.0	0.00	0.0
05/18/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/20/2019 0:00	7.6	1.4	8.1	0.9	0.1	1.1	0.0	0.00	0.0
05/21/2019 0:00	6.9	1.3	7.4	0.6	0.1	0.8	0.0	0.00	0.0
05/22/2019 0:00	7.3	1.3	7.5	0.5	0.1	1.1	0.0	0.00	0.0
05/23/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/24/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/27/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/29/2019 0:00	6.8	1.2	7.4	0.4	0.1	0.7	0.0	0.00	0.0
05/30/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
05/31/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/01/2019 0:00	6.0	1.2	6.5	0.6	0.1	0.8	0.0	0.00	0.0
06/02/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/03/2019 0:00	3.3	1.2	4.6	0.4	0.0	0.5	0.0	0.00	0.0

**AQ-18: Startup and Shutdown Emission Limits (Attachment 11)**

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**Unit Name:** Mariposa Unit 900

**Report Start Date/Time :** Mon 04/01/2019 0:00

**Report End Date/Time :** Sun 06/30/2019 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14.2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2.7	Max CO Lbs/Hr Limit 17.3	Max POC Lbs Startup Limit 1.1	Max POC Lbs Shutdown Limit 0.12	Max POC Lbs/Hr Limit 1.4
06/04/2019 0:00	7.5	1.5	7.9	1.2	0.1	1.2	0.0	0.00	0.0
06/05/2019 0:00	6.5	1.2	6.9	0.8	0.1	0.9	0.0	0.00	0.0
06/06/2019 0:00	7.3	1.2	8.4	0.2	0.1	0.3	0.0	0.00	0.0
06/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/08/2019 0:00	6.5	1.5	6.7	1.3	0.1	1.4	0.0	0.00	0.0
06/09/2019 0:00	6.1	1.5	6.7	0.6	0.1	0.8	0.0	0.00	0.0
06/10/2019 0:00	7.1	0.0	7.5	1.7	0.0	1.9	0.0	0.00	0.0
06/11/2019 0:00	6.1	1.3	7.3	1.1	0.1	1.5	0.0	0.00	0.0
06/12/2019 0:00	6.4	1.3	6.8	0.5	0.1	0.8	0.0	0.00	0.0
06/13/2019 0:00	6.7	1.2	7.2	0.5	0.1	1.0	0.0	0.00	0.0
06/14/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/15/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/17/2019 0:00	6.9	1.3	7.3	0.4	0.1	1.0	0.0	0.00	0.0
06/18/2019 0:00	6.7	1.3	7.1	0.8	0.1	1.1	0.0	0.00	0.0
06/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/20/2019 0:00	8.7	1.3	9.3	0.7	0.2	0.9	0.0	0.00	0.0
06/21/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/22/2019 0:00	6.4	1.0	6.9	1.0	0.1	1.3	0.0	0.00	0.0
06/23/2019 0:00	7.4	0.7	8.0	0.7	0.1	1.2	0.0	0.00	0.0
06/24/2019 0:00	7.1	1.0	7.4	1.4	0.2	2.3	0.0	0.00	0.0
06/25/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/26/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/27/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
06/30/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down

<b>Total:</b>									
<b>Average:</b>	6.9	1.2	7.5	0.7	0.1	1.0	0.0	0.00	0.02
<b>Maximum:</b>	9.2	1.5	9.8	1.7	0.2	2.3	0.0	0.00	0.02
<b>Minimum:</b>	3.3	0.0	4.6	0.2	0.0	0.3	0.0	0.00	0.01

**Attachment 12**

**Condition AQ-19 Daily Emission Limits:  
NO<sub>x</sub>, CO, POC, SO<sub>2</sub> Emissions Report**

**AQ-19: Daily Emission Limits: NOx, CO, POC, SO2 (Attachment 12)**

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**Unit Name:** Mariposa Facility

**Report Start Date/Time :** Mon 04/01/2019 0:00

**Report End Date/Time :** Sun 06/30/2019 23:59

DATE/TIME	Daily NOx Lbs Limit 1100	Daily CO Lbs Limit 934	Daily POC Lbs Limit 95	Daily SO2 Lbs Limit 130				
04/01/2019 0:00	Down	Down	Down	Down				
04/02/2019 0:00	Down	Down	Down	Down				
04/03/2019 0:00	Down	Down	Down	Down				
04/04/2019 0:00	23	2	0	0				
04/05/2019 0:00	Down	Down	Down	Down				
04/06/2019 0:00	Down	Down	Down	Down				
04/07/2019 0:00	Down	Down	Down	Down				
04/08/2019 0:00	Down	Down	Down	Down				
04/09/2019 0:00	Down	Down	Down	Down				
04/10/2019 0:00	Down	Down	Down	Down				
04/11/2019 0:00	Down	Down	Down	Down				
04/12/2019 0:00	Down	Down	Down	Down				
04/13/2019 0:00	Down	Down	Down	Down				
04/14/2019 0:00	Down	Down	Down	Down				
04/15/2019 0:00	Down	Down	Down	Down				
04/16/2019 0:00	Down	Down	Down	Down				
04/17/2019 0:00	Down	Down	Down	Down				
04/18/2019 0:00	Down	Down	Down	Down				
04/19/2019 0:00	Down	Down	Down	Down				
04/20/2019 0:00	Down	Down	Down	Down				
04/21/2019 0:00	Down	Down	Down	Down				
04/22/2019 0:00	Down	Down	Down	Down				
04/23/2019 0:00	Down	Down	Down	Down				
04/24/2019 0:00	Down	Down	Down	Down				
04/25/2019 0:00	Down	Down	Down	Down				
04/26/2019 0:00	Down	Down	Down	Down				
04/27/2019 0:00	Down	Down	Down	Down				
04/28/2019 0:00	Down	Down	Down	Down				
04/29/2019 0:00	Down	Down	Down	Down				
04/30/2019 0:00	Down	Down	Down	Down				
05/01/2019 0:00	71	20	0	1				
05/02/2019 0:00	Down	Down	Down	Down				
05/03/2019 0:00	14	2	0	0				
05/04/2019 0:00	Down	Down	Down	Down				
05/05/2019 0:00	Down	Down	Down	Down				
05/06/2019 0:00	Down	Down	Down	Down				
05/07/2019 0:00	72	14	0	2				
05/08/2019 0:00	37	7	0	1				
05/09/2019 0:00	11	1	0	0				
05/10/2019 0:00	Down	Down	Down	Down				
05/11/2019 0:00	Down	Down	Down	Down				
05/12/2019 0:00	Down	Down	Down	Down				
05/13/2019 0:00	45	10	0	1				
05/14/2019 0:00	65	22	0	2				
05/15/2019 0:00	42	8	0	1				
05/16/2019 0:00	8	2	0	0				

**AQ-19: Daily Emission Limits: NOx, CO, POC, SO2 (Attachment 12)**

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**Unit Name:** Mariposa Facility

**Report Start Date/Time :** Mon 04/01/2019 0:00

**Report End Date/Time :** Sun 06/30/2019 23:59

DATE/TIME	Daily NOx Lbs Limit 1100	Daily CO Lbs Limit 934	Daily POC Lbs Limit 95	Daily SO2 Lbs Limit 130				
05/17/2019 0:00	91	19	0	2				
05/18/2019 0:00	Down	Down	Down	Down				
05/19/2019 0:00	Down	Down	Down	Down				
05/20/2019 0:00	83	16	0	2				
05/21/2019 0:00	40	5	0	1				
05/22/2019 0:00	82	17	0	2				
05/23/2019 0:00	Down	Down	Down	Down				
05/24/2019 0:00	Down	Down	Down	Down				
05/25/2019 0:00	Down	Down	Down	Down				
05/26/2019 0:00	Down	Down	Down	Down				
05/27/2019 0:00	27	5	0	1				
05/28/2019 0:00	26	6	0	1				
05/29/2019 0:00	27	5	0	1				
05/30/2019 0:00	Down	Down	Down	Down				
05/31/2019 0:00	Down	Down	Down	Down				
06/01/2019 0:00	56	12	0	1				
06/02/2019 0:00	Down	Down	Down	Down				
06/03/2019 0:00	49	15	0	1				
06/04/2019 0:00	47	9	0	1				
06/05/2019 0:00	45	12	0	1				
06/06/2019 0:00	39	8	0	1				
06/07/2019 0:00	Down	Down	Down	Down				
06/08/2019 0:00	55	17	0	2				
06/09/2019 0:00	63	23	0	2				
06/10/2019 0:00	66	23	0	3				
06/11/2019 0:00	145	71	1	8				
06/12/2019 0:00	96	40	1	5				
06/13/2019 0:00	68	15	0	1				
06/14/2019 0:00	Down	Down	Down	Down				
06/15/2019 0:00	Down	Down	Down	Down				
06/16/2019 0:00	Down	Down	Down	Down				
06/17/2019 0:00	78	19	0	2				
06/18/2019 0:00	41	10	0	1				
06/19/2019 0:00	Down	Down	Down	Down				
06/20/2019 0:00	83	28	1	3				
06/21/2019 0:00	Down	Down	Down	Down				
06/22/2019 0:00	40	17	0	2				
06/23/2019 0:00	36	15	0	1				
06/24/2019 0:00	69	17	0	1				
06/25/2019 0:00	Down	Down	Down	Down				
06/26/2019 0:00	Down	Down	Down	Down				
06/27/2019 0:00	Down	Down	Down	Down				
06/28/2019 0:00	Down	Down	Down	Down				
06/29/2019 0:00	Down	Down	Down	Down				
06/30/2019 0:00	19	4	0	0				



**AQ-19: Daily Emission Limits: NOx, CO, POC, SO2 (Attachment 12)**

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**Unit Name:** Mariposa Facility

**Report Start Date/Time :** Mon 04/01/2019 0:00

**Report End Date/Time :** Sun 06/30/2019 23:59

DATE/TIME	Daily NOx Lbs Limit 1100	Daily CO Lbs Limit 934	Daily POC Lbs Limit 95	Daily SO2 Lbs Limit 130				
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<b>Total:</b>	1878	514	8	52				
<b>Average:</b>	54	15	0	1				
<b>Maximum:</b>	145	71	1	8				
<b>Minimum:</b>	8	1	0	0				