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TN #:	226429
Document Title:	Quarterly Compliance Report for Fourth Quarter 2018
Description:	N/A
Filer:	Anwar Ali
Organization:	Mariposa Energy LLC
Submitter Role:	Applicant
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January 25, 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 December 31, 2018

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 December 31, 2018. 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 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 NOx Emissions Limits: Hourly Mass Rate and Hourly Average Concentration Report: Report of hourly (rolling 60-minute) NOx 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_3 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_2 Report: Report demonstrating compliance with hourly POC and SO_2 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: NOx, CO, POC, and SO2 Emissions Report: Report demonstrating compliance with daily NOx, CO, POC and SO_2 limits for all CTG units combined.

Attachment 13: Condition AQ-20 Cumulative Rolling 12-month CTG Emissions: NOx, CO, POC, PM_{10}, SO_2 Emissions Report: Report demonstrating compliance with consecutive 12-month NOx, CO, POC, PM_{10} and SO_2 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_2 Allowances and 40 CFR Part 75 CEM Requirements Report: Report demonstrating compliance with Condition AQ-38 requiring holding of SO_2 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 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: Madhav Patil (BAAQMD)
Bhagavan Krishnaswamy (BAAQMD)

Mariposa Energy, LLC

QUARTERLY COMPLIANCE REPORT

Quarter Ending December 31, 2018

MARIPOSA ENERGY, LLC

QUARTERLY COMPLIANCE REPORT

QUARTER ENDING December 31, 2018

This report documents 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_3 Emission Limits: Rolling 3-Hr Slip Calculation Report
Attachment 10: Condition AQ-17f/g Hourly Mass Emission Limits: POC & SO_2 Report
Attachment 11: Condition AQ-18 Startup and Shutdown Emission Limits Report
Attachment 12: Condition AQ-19 Daily Emission Limits: NOx, CO, POC, SO_2 Emissions Report
Attachment 13: Condition AQ-20 Cumulative Rolling 12-month CTG Emissions: NOx, CO, POC, PM_{10}, SO_2 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_2 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 22850, 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

Condition	Condition Description	Verification or Limit	Status	Section
AQ-11	Fire the Gas Turbines (S-1, S-2, S-3, and S-4) exclusively on PUC-regulated natural gas with a **maximum sulfur content** of 1 grain per 100 standard cubic feet.	**1 grain sulfur per 100 scf.** 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.	**Sulfur Content** (gr/100 scf) October 2018: 0.2035 November 2018: 0.1904 December 2018: 0.1508 **In Compliance**	Attachment 2
AQ-12	Hourly **Heat input rate to each Gas Turbine** (S-1, S-2, S-3, and S-4).	**500 MMBtu (HHV)/hr per turbine.**	**Maximum MMBtu/hr** S-1: 465 S-2: 460 S-3: 463 S-4: 449 **In Compliance**	Attachment 3
AQ-13	Daily **heat input rate to each Gas Turbine** (S-1, S-2, S-3, and S-4).	**11,544 MMBtu (HHV)/day per turbine.**	**Maximum MMBtu/day** S-1: 4,250 S-2: 4,263 S-3: 4,251 S-4: 4,250 **In Compliance**	Attachment 3
AQ-14	Combined **annual cumulative heat input rate for the gas turbines** (S-1 + S-2 + S-3 + S-4).	**8,128,900 MMBtu (HHV) per year (combined cumulative).**	**MMBTU/yr (12-mo)** Ending 10/2018: 1,057,003 Ending 11/2018: 1,150,760 Ending 12/2018: 1,173,574 **In Compliance**	Attachment 4
AQ-15a	Maximum annual hours of operation per turbine.	**5,200 hours per year per turbine.**	**Maximum Hr/yr** S-1: 978 (12/2018) S-2: 988 (12/2018) S-3: 1,011 (12/2018) S-4: 986 (12/2018) **In Compliance**	Attachment 5
AQ-15b	Combined annual hours of operation for the gas turbines (S-1 + S-2 + S-3 + S-4).	**16,900 hours per year total – four units combined turbine hours of operation.**	**Combined Hours/yr** 12 mo Ending 10/18: 3,563 12 mo Ending 11/18: 3,886 12 mo Ending 12/18: 3,963 **In Compliance**	Attachment 5

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 **available for inspection** 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.	**In Compliance**	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. **Hourly Nitrogen Oxide mass emissions limit** (calculated as NO_2), per turbine unit basis, after abatement.	**4.4 lb/hr** maximum (as NO_2), from each turbine exhaust point, after abatement.	**Max NOx lb/hr:** S-1: 3.5 S-2: 3.3 S-3: 3.8 S-4: 3.7 **In Compliance**	Attachment 7
	b. **Hourly average Nitrogen Oxide emission concentration** limit, per turbine.	**2.5 ppmv** maximum (as NO_2), dry, corrected to 15% O_2, averaged over any 1-hour period.	**Max NOx, ppmvd @ 15%O_2:** S-1: 2.1 S-2: 2.1 S-3: 2.4 S-4: 2.4 **In Compliance**	Attachment 7
	c. **Hourly Carbon Monoxide mass emissions** limit, per turbine basis, after abatement.	**2.14 lb/hr CO** maximum, from each turbine exhaust point.	**Max CO lb/hr:** S-1: 2.10 S-2: 2.11 S-3: 1.97 S-4: 1.94 **In Compliance**	Attachment 8
	d. **Rolling 3-hour average Carbon Monoxide emission concentration** per turbine basis, after abatement.	**2.0 ppmv CO** (maximum), dry, corrected to 15% O_2, averaged over any rolling 3-hour period.	**Max CO, ppmvd @ 15% O_2:** S-1: 1.8 S-2: 1.7 S-3: 1.8 S-4: 1.7 **In Compliance**	Attachment 8

COMPLIANCE SUMMARY

Condition	Condition Description	Verification or Limit	Status	Section
AQ-17 cont'd	e. **Rolling 3-hour average Ammonia (NH_3) emission concentrations**, per turbine unit basis, after abatement systems.	**5 ppmv, dry, corrected to 15% O_2**, 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.	**Max NH_3, ppmvd @ 15% O_2:** S-1: 4 S-2: 3 S-3: 3 S-4: 3 **In Compliance**	Attachment 9
	f. **Hourly Precursor Organic Compound (POC) mass emissions limit** (as CH_4), per turbine unit basis.	**0.612 lb/hr** maximum (as CH_4), from each turbine exhaust point.	**Max POC lb/hr:** S-1: 0.070 S-2: 0.120 S-3: 0.088 S-4: 0.086 **In Compliance**	Attachment 10
	g. **Hourly Sulfur dioxide (SO_2) mass emissions limit**, per turbine unit basis, after abatement.	**1.347 lb/hr** maximum (as SO_2) from each turbine exhaust point.	**Max SO_2 lb/hr:** S-1: 0.163 S-2: 0.216 S-3: 0.209 S-4: 0.190 **In Compliance**	Attachment 10
AQ-18	**Maximum startup emissions of NOx** (as NO_2), **CO**, and **POC** (as CH_4) (lb/startup).	NOx (NO_2): **14.2 lb/startup**	**Max NOx Startup Emissions, lb** S-1: 7.7 S-2: 8.8 S-3: 8.7 S-4: 11.2 **In Compliance**	Attachment 11

COMPLIANCE SUMMARY

Condition	Condition Description	Verification or Limit	Status	Section
AQ-18 cont'd		CO: **14.1 lb/startup**	**Max CO Startup Emissions, lb** S-1: 2.4 S-2: 1.7 S-3: 1.8 S-4: 1.9 **In Compliance**	Attachment 11
		POC (as CH_4): **1.1 lb/startup**	**Max POC Startup Emissions, lb** S-1: 0.0 S-2: 0.0 S-3: 0.0 S-4: 0.0 **In Compliance**	Attachment 11
	Maximum hourly emissions of NOx (as NO_2), **CO,** and **POC** (as CH_4) with startup.	NOx (NO_2): **18.5 lb/hour**	**Max NOx Emissions, lb/hr** S-1: 7.7 S-2: 9.4 S-3: 9.7 S-4: 11.4 **In Compliance**	Attachment 11
		CO: **17.3 lb/hour**	**Max CO Emissions, lb/hr** S-1: 2.6 S-2: 2.2 S-3: 2.4 S-4: 2.4 **In Compliance**	Attachment 11
		POC (as CH_4): **1.4 lb/hour**	**Max POC Emissions lb/hr** S-1: 0.06 S-2: 0.11 S-3: 0.08 S-4: 0.08 **In Compliance**	Attachment 11

COMPLIANCE SUMMARY

Condition	Condition Description	Verification or Limit	Status	Section
AQ-18 cont'd	**Maximum shutdown emissions of NOx** (as NO_2), **CO**, and **POC** (as CH_4) (lb/shutdown).	NOx (NO_2): **3.2 lb/shutdown**	**Max Shutdown Emissions, lb** S-1: 1.6 S-2: 1.5 S-3: 1.5 S-4: 1.8 **In Compliance**	Attachment 11
		CO: **2.7 lb/shutdown**	**Max Shutdown Emissions, lb** S-1: 0.3 S-2: 0.3 S-3: 0.3 S-4: 0.2 **In Compliance**	Attachment 11
		POC (as CH_4): **0.12 lb/shutdown**	**Max Shutdown Emissions lb** S-1: 0.01 S-2: 0.01 S-3: 0.01 S-4: 0.01 **In Compliance**	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_2) emissions.	NOx (as NO_2): **1100 lb/day**	Max lb/day NOx: 133	Attachment 12
	b. Maximum daily CO emissions.	CO: **934 lb/day**	Max lb/day CO: 55	
	c. Maximum daily POC emissions.	POC (as CH_4): **95 lb/day**	Max lb/day POC: 3	
	d. Maximum daily SO_2 emissions.	SO_2: **130 lb/day**	Max lb/day SO_2: 7 **In Compliance**	
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_2) emissions.	NOx (as NO_2): **45.6 ton/year**	**Cumulative Ton/Yr** Ending 10/31/2018: 6.6 Ending 11/30/2018: 7.2 Ending 12/31/2018: 7.3 **In Compliance**	Attachment 13

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 10/31/2018: 2.0 Ending 11/30/2018: 2.2 Ending 12/31/2018: 2.2 **In Compliance**	Attachment 13
	c. Maximum annual **POC** (as CH_4) emissions.	POC (as CH_4): **5.6 ton/year**	Ending 10/31/2018: 0.2 Ending 11/30/2018: 0.2 Ending 12/31/2018: 0.2 **In Compliance**	Attachment 13
	d. Maximum annual PM10 emissions. Emissions of PM10 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).	PM10: **18.6 ton/year**	Ending 10/31/2018: 0.5 Ending 11/30/2018: 0.5 Ending 12/31/2018: 0.5 **In Compliance**	Attachment 13
	e. Maximum annual SO_2 emissions.	SO_2: **2.9 ton/year**	Ending 10/31/2018: 0.2 Ending 11/30/2018: 0.2 Ending 12/31/2018: 0.2 **In Compliance**	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.	**Cumulative Ton/Year** Ending 10/31/2018: 0.99 Ending 11/30/2018: 1.11 Ending 12/31/2018: 1.17 **In Compliance**	Attachment 14

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 4th Quarter of 2018 **In Compliance**	Attachment 15
AQ-38	The owner/operator shall ensure that the MEP complies with the requirement to hold SO_2 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_2 allowances as well as the 4Q 2018 Monthly CEMS Reports summary pages as submitted to BAAQMD. **In Compliance**	Attachment 16
AQ-39	**Cumulative combined annual (any consecutive twelve-month period) operating hours for reliability-related testing of S-6 Emergency Standby Diesel Fire Pump Engine:**			
	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 10/31/2018: 26.0 Ending 11/30/2018: 26.5 Ending 12/31/2018: 27.0 **In Compliance**	Attachment 17

COMPLIANCE SUMMARY

Condition	Condition Description	Verification or Limit	Status	Section
AQ-40	**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:**			
	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.	A summary of significant operation and maintenance events and monitoring records shall be included in the quarterly operation report.	**S-6** 12-Mo Hrs Ending 10/31/18: Total Hrs Operated: 26.0 Hrs Op as allowed: 26.0 12-Mo Hrs Ending 11/30/18: Total Hrs Operated: 26.5 Hrs Op as allowed: 26.5 12-Mo Hrs Ending 12/31/18: Total Hrs Operated: 27.0 Hrs Op as allowed: 27.0 **In Compliance**	Attachment 17
AQ-41	**S-6 Emergency Standby Diesel Fire Pump Engine Non-Resettable Totalizing Hour Meter**			
	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.	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.	A photograph of each totalizing meter is included in the quarterly compliance report. **In Compliance**	Attachment 18

Attachment 2

Monthly Natural Gas Fuel Analysis

Fuel Sulfur Content Calculations
October 2018 Mariposa Energy

Sample:	Fuel 1		
	ppb	#S atoms/mole	ppm as SO_2
Compound			
Hydrogen Sulfide	841	1	0.841
Carbonyl Sulfide	*0*	1	0
Methyl Mercaptan	350	1	0.35
Ethyl Mercaptan	184	1	0.184
Dimethyl Sulfide	*0*	1	0
Carbon Disulfide	*0*	2	0
Isopropyl Mercaptan	*0*	1	0
tert-Butyl Mercaptan	956	1	0.956
n-Propyl Mercaptan	*0*	1	0
Ethyl Methyl Sulfide	*0*	1	0
Thiophene	*0*	1	0
Isobutyl Mercaptan	*0*	1	0
Diethyl Sulfide	*0*	1	0
Butyl Mercaptan	*0*	1	0
Dimethyl Disulfide	*0*	2	0
3-Methylthiophene	*0*	1	0
Tetrahydrothiophene	1110	1	1.11
2-Ethylthiophene	*0*	1	0
2,5-Dimethylthiophene	*0*	1	0
Diethyl Disulfide	*0*	2	0
Total:			3.441

Fuel Sulfur content, ppmv:	**3.441**
Sulfur, grains/100scf:	**0.2035**
Mercaptans, ppm as SO2	**1.49**

Fuel Sulfur Content Calculations
November 2018 Mariposa Energy

Sample:	Fuel 1		
	ppb	#S atoms/mole	ppm as SO_2
Compound			
Hydrogen Sulfide	699	1	0.699
Carbonyl Sulfide	394	1	0.394
Methyl Mercaptan	127	1	0.127
Ethyl Mercaptan	*0*	1	0
Dimethyl Sulfide	*0*	1	0
Carbon Disulfide	*0*	2	0
Isopropyl Mercaptan	*0*	1	0
tert-Butyl Mercaptan	709	1	0.709
n-Propyl Mercaptan	*0*	1	0
Ethyl Methyl Sulfide	*0*	1	0
Thiophene	*0*	1	0
Isobutyl Mercaptan	*0*	1	0
Diethyl Sulfide	*0*	1	0
Butyl Mercaptan	*0*	1	0
Dimethyl Disulfide	*0*	2	0
3-Methylthiophene	*0*	1	0
Tetrahydrothiophene	1290	1	1.29
2-Ethylthiophene	*0*	1	0
2,5-Dimethylthiophene	*0*	1	0
Diethyl Disulfide	*0*	2	0
Total:			3.219

Fuel Sulfur content, ppmv:	**3.219**
Sulfur, grains/100scf:	**0.1904**
Mercaptans, ppm as SO2	**0.836**

Fuel Sulfur Content Calculations
December 2018 Mariposa Energy

Sample:	Fuel 1		
	ppb	#S atoms/mole	ppm as SO_2
Compound			
Hydrogen Sulfide	360	1	0.36
Carbonyl Sulfide	340	1	0.34
Methyl Mercaptan	90	1	0.09
Ethyl Mercaptan	*0*	1	0
Dimethyl Sulfide	*0*	1	0
Carbon Disulfide	*0*	2	0
Isopropyl Mercaptan	*0*	1	0
tert-Butyl Mercaptan	800	1	0.8
n-Propyl Mercaptan	*0*	1	0
Ethyl Methyl Sulfide	*0*	1	0
Thiophene	*0*	1	0
Isobutyl Mercaptan	*0*	1	0
Diethyl Sulfide	*0*	1	0
Butyl Mercaptan	*0*	1	0
Dimethyl Disulfide	*0*	2	0
3-Methylthiophene	*0*	1	0
Tetrahydrothiophene	960	1	0.96
2-Ethylthiophene	*0*	1	0
2,5-Dimethylthiophene	*0*	1	0
Diethyl Disulfide	*0*	2	0
Total:			2.55

Fuel Sulfur content, ppmv:	**2.55**
Sulfur, grains/100scf:	**0.1508**
Mercaptans, ppm as SO2	**0.89**

Attachment 3

Condition AQ-12/13: Heat Input Report

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

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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
10/01/2018 0:00	417	412	414	409	2908	2895	2868	2748
10/02/2018 0:00	360	359	360	356	4250	4263	4251	4250
10/03/2018 0:00	269	270	264	269	1727	1737	1706	1733
10/04/2018 0:00	265	266	263	266	1519	1527	1512	1523
10/05/2018 0:00	268	269	268	269	619	621	618	624
10/06/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/07/2018 0:00	269	270	271	270	625	624	625	624
10/08/2018 0:00	268	266	261	310	1087	758	743	1508
10/09/2018 0:00	265	266	262	266	821	824	810	823
10/10/2018 0:00	264	266	325	324	838	843	1255	1263
10/11/2018 0:00	266	267	439	434	1134	1139	1660	1373
10/12/2018 0:00	264	264	287	266	613	614	1134	620
10/13/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/14/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/15/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/16/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/17/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/18/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/19/2018 0:00	207	208	147	145	258	260	238	234
10/20/2018 0:00	385	382	386	381	519	517	522	765
10/21/2018 0:00	458	451	457	448	2088	2065	1934	1904
10/22/2018 0:00	269	270	266	269	1087	1093	1083	1089
10/23/2018 0:00	266	265	262	264	709	710	702	707
10/24/2018 0:00	271	272	273	272	1170	1176	1176	1173
10/25/2018 0:00	271	272	272	272	1098	1104	1103	1105
10/26/2018 0:00	265	267	267	266	808	833	830	830
10/27/2018 0:00	455	450	453	446	1631	1651	2609	2605
10/28/2018 0:00	266	267	263	265	822	825	814	822
10/29/2018 0:00	264	264	262	263	1074	1078	1069	1073
10/30/2018 0:00	339	341	338	338	1597	1603	1590	1594
10/31/2018 0:00	286	288	316	308	2109	2120	3657	2910
11/01/2018 0:00	348	349	350	349	1898	1914	1901	1910
11/02/2018 0:00	271	271	270	270	1292	1324	1317	1323
11/03/2018 0:00	269	269	269	269	500	502	492	494
11/04/2018 0:00	268	269	268	268	687	690	689	691
11/05/2018 0:00	268	269	267	268	1169	1179	1170	1174
11/06/2018 0:00	291	291	291	289	1304	1305	1299	1171
11/07/2018 0:00	158	424	442	207	191	1647	1676	396
11/08/2018 0:00	388	386	398	393	2542	2569	2453	2443
11/09/2018 0:00	321	319	277	279	2552	2551	2462	2448
11/10/2018 0:00	264	265	263	264	897	901	894	899
11/11/2018 0:00	443	438	441	428	1923	1934	1925	1902
11/12/2018 0:00	465	458	463	440	4231	4219	4172	4054
11/13/2018 0:00	297	296	295	294	1956	1978	1949	1946
11/14/2018 0:00	264	268	269	266	585	592	592	588
11/15/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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
11/16/2018 0:00	Down	149	147	Down	Down	285	283	Down
11/17/2018 0:00	313	315	382	314	729	735	1103	734
11/18/2018 0:00	313	315	314	312	1761	1771	1759	1758
11/19/2018 0:00	266	409	441	398	1077	2318	2383	2274
11/20/2018 0:00	102	276	274	276	282	916	909	916
11/21/2018 0:00	268	262	Down	Down	756	288	Down	Down
11/22/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/23/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/24/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/25/2018 0:00	337	334	325	324	936	938	872	871
11/26/2018 0:00	152	153	152	152	295	297	297	296
11/27/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/28/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/29/2018 0:00	312	313	314	313	1200	1208	1565	1567
11/30/2018 0:00	138	Down	Down	Down	236	Down	Down	Down
12/01/2018 0:00	377	364	330	331	1684	1682	1538	1538
12/02/2018 0:00	464	460	463	435	2171	2185	2226	2045
12/03/2018 0:00	452	427	453	412	2507	2490	2519	2430
12/04/2018 0:00	262	264	265	264	535	534	489	539
12/05/2018 0:00	407	380	403	375	1638	1573	1594	1530
12/06/2018 0:00	457	455	459	447	2300	2449	1497	1478
12/07/2018 0:00	356	349	350	349	715	712	1505	1460
12/08/2018 0:00	267	267	266	266	1154	1163	1159	1161
12/09/2018 0:00	291	292	286	286	928	933	899	908
12/10/2018 0:00	460	455	461	449	1754	1745	2173	1764
12/11/2018 0:00	317	318	267	267	887	893	838	838
12/12/2018 0:00	266	268	308	267	1147	1158	1458	1155
12/13/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/14/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/15/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/16/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/17/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/18/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/19/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/20/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/21/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/22/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/23/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/24/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/25/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/26/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/27/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/28/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/29/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/30/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/31/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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
Total:					77529	80462	84568	80603
Average:	306	315	321	314	1314	1364	1458	1414
Maximum:	465	460	463	449	4250	4263	4251	4250
Minimum:	102	149	147	145	191	260	238	234

Attachment 4

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

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

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 8,128,900
10/2018	262,642	264,427	267,730	262,204	1,057,003
11/2018	283,850	288,368	293,552	284,990	1,150,760
12/2018	289,889	293,911	299,838	289,937	1,173,574
Maximum:	289,889	293,911	299,838	289,937	1,173,574
Minimum:	262,642	264,427	267,730	262,204	1,057,003

Attachment 5

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

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

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
10/2018	885	888	902	888	3,563
11/2018	959	969	990	968	3,886
12/2018	978	988	1,011	986	3,963
Maximum:	978	988	1,011	986	3,963
Minimum:	885	888	902	888	3,563

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

AQ-17a/b: NOx Emission Limits: Hourly mass rate and hourly average concentration (Attachment 7)

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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
10/01/2018 0:00	2.4	2.9	2.7	2.8	1.7	1.9	1.7	1.8
10/02/2018 0:00	2.0	2.1	2.0	2.2	1.8	1.8	1.7	1.8
10/03/2018 0:00	1.6	1.7	1.7	1.7	1.7	1.8	1.7	1.7
10/04/2018 0:00	1.8	1.7	1.6	1.7	1.8	1.8	1.7	1.7
10/05/2018 0:00	1.6	1.6	1.3	1.4	1.6	1.6	1.4	1.4
10/06/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/07/2018 0:00	1.7	1.8	1.8	1.7	1.8	1.8	1.8	1.7
10/08/2018 0:00	1.8	1.8	1.7	1.9	1.8	1.8	1.8	1.8
10/09/2018 0:00	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8
10/10/2018 0:00	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8
10/11/2018 0:00	1.8	1.8	3.0	2.9	1.8	1.8	1.9	1.8
10/12/2018 0:00	1.4	1.7	1.8	1.8	1.4	1.7	1.8	1.8
10/13/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/14/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/15/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/16/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/17/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/18/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/19/2018 0:00	0.0	0.1	0.0	0.0	0.2	0.4	0.2	0.0
10/20/2018 0:00	1.2	1.2	1.5	1.2	1.2	1.2	1.6	1.3
10/21/2018 0:00	2.9	3.2	3.0	2.9	1.7	1.9	1.8	1.8
10/22/2018 0:00	1.7	1.7	1.8	1.8	1.7	1.7	1.8	1.8
10/23/2018 0:00	0.7	0.6	0.6	1.4	0.7	0.7	0.6	1.4
10/24/2018 0:00	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
10/25/2018 0:00	1.7	2.0	1.7	1.7	1.7	2.0	1.7	1.7
10/26/2018 0:00	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8
10/27/2018 0:00	2.2	2.7	3.2	3.3	1.8	1.8	2.0	2.1
10/28/2018 0:00	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8
10/29/2018 0:00	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
10/30/2018 0:00	1.7	1.9	1.9	2.4	1.5	1.5	1.6	2.0
10/31/2018 0:00	1.8	1.8	1.9	2.1	1.8	1.8	1.8	2.2
11/01/2018 0:00	1.8	2.2	2.0	2.5	1.8	1.8	1.7	1.7
11/02/2018 0:00	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8
11/03/2018 0:00	1.7	1.4	1.5	1.8	1.6	1.4	1.6	1.8
11/04/2018 0:00	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
11/05/2018 0:00	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
11/06/2018 0:00	1.8	1.8	1.8	2.1	1.7	1.7	1.7	2.0
11/07/2018 0:00	0.0	3.2	3.8	0.2	0.1	2.1	2.4	0.5
11/08/2018 0:00	3.0	3.2	3.5	3.6	1.9	1.9	2.1	2.2
11/09/2018 0:00	2.1	2.0	2.2	2.3	1.8	1.8	1.9	2.1
11/10/2018 0:00	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
11/11/2018 0:00	2.5	3.1	3.4	3.7	1.8	1.9	2.1	2.4
11/12/2018 0:00	3.2	3.3	3.3	3.5	1.9	2.0	2.0	2.2
11/13/2018 0:00	1.9	2.0	1.9	2.1	1.8	1.8	1.8	1.9
11/14/2018 0:00	1.0	1.0	0.9	1.1	1.1	1.1	1.0	1.4
11/15/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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
11/16/2018 0:00	Down	0.3	0.2	Down	Down	0.9	0.4	Down
11/17/2018 0:00	1.7	1.5	2.4	1.6	1.7	1.5	1.7	1.6
11/18/2018 0:00	1.8	2.0	1.7	2.3	1.6	1.8	1.6	2.0
11/19/2018 0:00	1.7	2.7	3.4	3.1	1.8	1.8	2.0	2.1
11/20/2018 0:00	0.0	1.7	1.6	2.1	0.0	1.7	1.5	1.9
11/21/2018 0:00	1.4	0.3	Down	Down	1.5	0.8	Down	Down
11/22/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/23/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/24/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/25/2018 0:00	2.3	1.9	1.6	2.2	1.7	1.6	1.6	1.8
11/26/2018 0:00	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3
11/27/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/28/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/29/2018 0:00	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
11/30/2018 0:00	0.0	Down	Down	Down	0.3	Down	Down	Down
12/01/2018 0:00	2.0	2.1	2.2	2.5	1.7	1.7	1.8	2.0
12/02/2018 0:00	3.3	3.3	3.3	3.4	2.0	2.0	1.9	2.1
12/03/2018 0:00	3.1	3.1	3.3	3.2	1.9	1.9	2.0	2.1
12/04/2018 0:00	1.1	1.1	1.0	1.0	1.4	1.4	1.3	1.3
12/05/2018 0:00	2.4	2.5	2.5	2.5	1.8	1.9	1.7	1.8
12/06/2018 0:00	3.5	3.3	3.4	3.4	2.1	2.0	2.0	2.1
12/07/2018 0:00	2.3	2.2	2.6	2.3	1.7	1.7	2.0	1.8
12/08/2018 0:00	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
12/09/2018 0:00	1.9	2.1	1.9	2.1	1.9	1.9	1.9	2.0
12/10/2018 0:00	3.4	3.3	2.9	3.1	2.0	1.9	1.8	1.9
12/11/2018 0:00	1.7	1.3	1.6	1.5	1.7	1.3	1.6	1.5
12/12/2018 0:00	1.9	1.9	2.1	1.9	1.9	1.9	1.9	1.9
12/13/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/14/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/15/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/16/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/17/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/18/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/19/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/20/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/21/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/22/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/23/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/24/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/25/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/26/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/27/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/28/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/29/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/30/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/31/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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
Total:								
Average:	1.8	1.9	2.0	2.1	1.6	1.7	1.7	1.8
Maximum:	3.5	3.3	3.8	3.7	2.1	2.1	2.4	2.4
Minimum:	0.0	0.1	0.0	0.0	0.0	0.2	0.2	0.0

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)

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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
10/01/2018 0:00	1.40	1.35	1.43	1.34	1.7	1.6	1.5	1.6
10/02/2018 0:00	1.37	1.35	1.21	1.18	1.5	1.7	1.8	1.6
10/03/2018 0:00	0.92	0.94	1.01	0.88	1.5	1.4	1.6	1.4
10/04/2018 0:00	1.01	0.99	1.00	1.01	1.5	1.5	1.5	1.5
10/05/2018 0:00	0.92	0.95	0.94	0.97	0.8	0.8	0.8	0.8
10/06/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/07/2018 0:00	0.95	0.98	1.03	0.95	0.9	0.9	0.9	0.9
10/08/2018 0:00	0.83	1.01	0.91	1.20	1.4	1.2	1.0	1.5
10/09/2018 0:00	0.92	1.02	0.91	0.96	1.2	1.3	1.2	1.2
10/10/2018 0:00	1.02	1.01	1.02	1.02	1.0	1.0	1.0	1.0
10/11/2018 0:00	1.00	0.95	1.60	1.50	0.9	0.8	1.6	1.6
10/12/2018 0:00	0.79	0.73	1.05	0.82	0.7	0.7	1.5	0.7
10/13/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/14/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/15/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/16/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/17/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/18/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/19/2018 0:00	0.00	0.01	0.01	0.00	0.0	0.0	0.0	0.0
10/20/2018 0:00	0.56	0.58	0.60	0.52	0.3	0.3	0.3	0.3
10/21/2018 0:00	1.73	1.66	1.70	1.66	1.4	1.3	1.4	1.4
10/22/2018 0:00	1.12	1.10	1.01	0.97	1.7	1.7	1.6	1.5
10/23/2018 0:00	0.88	0.79	0.91	0.81	0.7	0.6	0.6	0.6
10/24/2018 0:00	1.05	1.03	1.05	1.04	1.6	1.6	1.7	1.6
10/25/2018 0:00	1.07	0.96	1.02	1.07	1.7	1.5	1.7	1.7
10/26/2018 0:00	0.97	0.98	1.01	1.03	1.2	1.3	1.3	1.3
10/27/2018 0:00	2.10	2.11	1.97	1.94	1.4	1.4	1.7	1.7
10/28/2018 0:00	0.93	0.98	0.93	0.96	1.2	1.2	1.1	1.2
10/29/2018 0:00	0.94	1.00	0.97	0.94	1.5	1.6	1.6	1.5
10/30/2018 0:00	1.10	1.08	1.07	1.10	1.3	1.3	1.4	1.5
10/31/2018 0:00	1.00	0.86	1.01	0.88	1.2	1.3	1.5	1.3
11/01/2018 0:00	1.00	1.14	1.25	1.23	1.3	1.2	1.3	1.3
11/02/2018 0:00	0.98	0.91	0.95	0.94	1.0	0.9	0.9	0.9
11/03/2018 0:00	1.03	0.95	0.91	0.92	0.6	0.5	0.5	0.6
11/04/2018 0:00	0.76	0.91	0.94	0.90	0.6	0.9	1.0	0.9
11/05/2018 0:00	0.91	0.97	1.01	1.04	1.5	1.5	1.6	1.6
11/06/2018 0:00	0.78	1.00	1.00	1.07	1.0	1.3	1.5	1.5
11/07/2018 0:00	0.00	1.42	1.57	0.12	0.0	1.1	1.5	0.2
11/08/2018 0:00	1.61	1.56	1.68	1.66	1.3	1.2	1.5	1.4
11/09/2018 0:00	1.14	1.31	1.05	1.07	1.3	1.4	1.5	1.6
11/10/2018 0:00	0.97	0.86	0.94	0.97	1.4	1.3	1.4	1.4
11/11/2018 0:00	1.33	1.59	1.59	1.56	1.4	1.6	1.5	1.5
11/12/2018 0:00	1.68	1.77	1.83	1.71	1.6	1.6	1.6	1.6
11/13/2018 0:00	0.80	1.04	1.07	1.01	0.6	1.0	1.3	1.2
11/14/2018 0:00	0.38	0.62	0.77	0.53	0.4	0.6	0.7	0.5
11/15/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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
11/16/2018 0:00	Down	0.17	0.12	Down	Down	0.2	0.2	Down
11/17/2018 0:00	0.85	0.79	1.26	0.92	0.6	0.6	1.4	0.6
11/18/2018 0:00	0.86	0.89	1.04	0.97	1.4	1.4	1.4	1.5
11/19/2018 0:00	0.97	1.39	1.44	1.33	0.9	1.3	1.5	1.3
11/20/2018 0:00	0.00	0.82	1.07	0.92	0.0	0.5	0.8	0.6
11/21/2018 0:00	0.94	0.15	Down	Down	0.6	0.2	Down	Down
11/22/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/23/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/24/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/25/2018 0:00	1.13	1.16	1.07	1.07	1.0	1.0	1.0	1.0
11/26/2018 0:00	0.09	0.05	0.11	0.06	0.1	0.1	0.2	0.1
11/27/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/28/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/29/2018 0:00	0.85	0.90	0.90	0.96	1.0	1.0	1.1	1.2
11/30/2018 0:00	0.02	Down	Down	Down	0.1	Down	Down	Down
12/01/2018 0:00	1.31	1.42	1.08	1.12	1.5	1.6	1.5	1.6
12/02/2018 0:00	1.65	1.60	1.54	1.65	1.6	1.5	1.5	1.6
12/03/2018 0:00	1.82	1.81	1.86	1.75	1.4	1.5	1.4	1.6
12/04/2018 0:00	0.57	0.53	0.61	0.59	0.4	0.4	0.4	0.4
12/05/2018 0:00	1.40	1.41	1.35	1.40	1.5	1.6	1.4	1.6
12/06/2018 0:00	1.47	1.57	1.70	1.58	1.1	1.1	1.5	1.3
12/07/2018 0:00	1.23	1.04	1.30	1.28	0.8	0.7	1.0	0.8
12/08/2018 0:00	1.12	1.10	1.06	0.96	1.8	1.7	1.7	1.5
12/09/2018 0:00	1.11	0.91	0.98	1.01	1.4	1.2	1.3	1.3
12/10/2018 0:00	1.67	1.63	1.62	1.71	1.7	1.5	1.5	1.5
12/11/2018 0:00	0.96	0.99	1.05	1.00	0.9	0.9	1.0	1.0
12/12/2018 0:00	0.89	0.87	1.04	0.92	1.4	1.3	1.5	1.5
12/13/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/14/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/15/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/16/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/17/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/18/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/19/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/20/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/21/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/22/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/23/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/24/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/25/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/26/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/27/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/28/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/29/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/30/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/31/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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
Total:								
Average:	1.00	1.05	1.11	1.06	1.1	1.1	1.2	1.2
Maximum:	2.10	2.11	1.97	1.94	1.8	1.7	1.8	1.7
Minimum:	0.00	0.01	0.01	0.00	0.0	0.0	0.0	0.0

Attachment 9

Condition AQ-17e NH_3 Emission Limits: Rolling 3-Hr Slip Calculation Report

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

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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				
10/01/2018 0:00	2	2	2	2				
10/02/2018 0:00	1	2	2	3				
10/03/2018 0:00	0	1	1	1				
10/04/2018 0:00	0	1	1	1				
10/05/2018 0:00	0	0	0	1				
10/06/2018 0:00	Down	Down	Down	Down				
10/07/2018 0:00	0	0	0	1				
10/08/2018 0:00	0	0	1	1				
10/09/2018 0:00	0	0	1	1				
10/10/2018 0:00	0	0	1	1				
10/11/2018 0:00	0	0	1	2				
10/12/2018 0:00	0	0	1	1				
10/13/2018 0:00	Down	Down	Down	Down				
10/14/2018 0:00	Down	Down	Down	Down				
10/15/2018 0:00	Down	Down	Down	Down				
10/16/2018 0:00	Down	Down	Down	Down				
10/17/2018 0:00	Down	Down	Down	Down				
10/18/2018 0:00	Down	Down	Down	Down				
10/19/2018 0:00	0	0	0	0				
10/20/2018 0:00	1	1	0	0				
10/21/2018 0:00	2	2	2	2				
10/22/2018 0:00	0	1	1	1				
10/23/2018 0:00	0	0	1	1				
10/24/2018 0:00	0	1	1	1				
10/25/2018 0:00	0	1	1	1				
10/26/2018 0:00	0	0	1	1				
10/27/2018 0:00	1	1	2	3				
10/28/2018 0:00	0	0	1	1				
10/29/2018 0:00	0	1	1	1				
10/30/2018 0:00	1	1	1	2				
10/31/2018 0:00	0	1	2	3				
11/01/2018 0:00	1	1	1	2				
11/02/2018 0:00	0	0	0	1				
11/03/2018 0:00	0	0	0	1				
11/04/2018 0:00	0	0	0	1				
11/05/2018 0:00	0	1	1	1				
11/06/2018 0:00	1	1	1	1				
11/07/2018 0:00	0	1	1	0				
11/08/2018 0:00	1	2	1	2				
11/09/2018 0:00	1	1	1	2				
11/10/2018 0:00	0	1	1	1				
11/11/2018 0:00	2	2	1	2				
11/12/2018 0:00	4	3	3	3				
11/13/2018 0:00	1	1	1	2				
11/14/2018 0:00	0	0	1	1				
11/15/2018 0:00	Down	Down	Down	Down				

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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				
11/16/2018 0:00	Down	0	0	Down				
11/17/2018 0:00	0	0	2	1				
11/18/2018 0:00	1	1	1	2				
11/19/2018 0:00	0	2	2	2				
11/20/2018 0:00	0	1	1	1				
11/21/2018 0:00	0	0	Down	Down				
11/22/2018 0:00	Down	Down	Down	Down				
11/23/2018 0:00	Down	Down	Down	Down				
11/24/2018 0:00	Down	Down	Down	Down				
11/25/2018 0:00	1	1	1	1				
11/26/2018 0:00	0	0	0	0				
11/27/2018 0:00	Down	Down	Down	Down				
11/28/2018 0:00	Down	Down	Down	Down				
11/29/2018 0:00	1	1	1	2				
11/30/2018 0:00	0	Down	Down	Down				
12/01/2018 0:00	1	1	1	2				
12/02/2018 0:00	4	3	3	3				
12/03/2018 0:00	2	2	2	2				
12/04/2018 0:00	0	0	0	0				
12/05/2018 0:00	2	2	2	2				
12/06/2018 0:00	2	2	2	2				
12/07/2018 0:00	1	1	1	1				
12/08/2018 0:00	0	1	1	1				
12/09/2018 0:00	0	1	1	1				
12/10/2018 0:00	2	2	2	3				
12/11/2018 0:00	0	0	1	1				
12/12/2018 0:00	0	1	1	1				
12/13/2018 0:00	Down	Down	Down	Down				
12/14/2018 0:00	Down	Down	Down	Down				
12/15/2018 0:00	Down	Down	Down	Down				
12/16/2018 0:00	Down	Down	Down	Down				
12/17/2018 0:00	Down	Down	Down	Down				
12/18/2018 0:00	Down	Down	Down	Down				
12/19/2018 0:00	Down	Down	Down	Down				
12/20/2018 0:00	Down	Down	Down	Down				
12/21/2018 0:00	Down	Down	Down	Down				
12/22/2018 0:00	Down	Down	Down	Down				
12/23/2018 0:00	Down	Down	Down	Down				
12/24/2018 0:00	Down	Down	Down	Down				
12/25/2018 0:00	Down	Down	Down	Down				
12/26/2018 0:00	Down	Down	Down	Down				
12/27/2018 0:00	Down	Down	Down	Down				
12/28/2018 0:00	Down	Down	Down	Down				
12/29/2018 0:00	Down	Down	Down	Down				
12/30/2018 0:00	Down	Down	Down	Down				
12/31/2018 0:00	Down	Down	Down	Down				

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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:	4	3	3	3				
Minimum:	0	0	0	0				

Attachment 10

Condition AQ-17f/g Hourly Mass Emission Limits:
POC & SO_2 Report

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

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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
10/01/2018 0:00	0.064	0.110	0.080	0.080	0.148	0.199	0.191	0.176
10/02/2018 0:00	0.056	0.097	0.071	0.070	0.132	0.176	0.169	0.156
10/03/2018 0:00	0.040	0.070	0.050	0.051	0.094	0.127	0.119	0.113
10/04/2018 0:00	0.042	0.073	0.053	0.053	0.098	0.132	0.125	0.117
10/05/2018 0:00	0.040	0.070	0.051	0.051	0.094	0.127	0.121	0.113
10/06/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/07/2018 0:00	0.040	0.070	0.052	0.051	0.094	0.127	0.122	0.114
10/08/2018 0:00	0.040	0.069	0.050	0.059	0.094	0.125	0.117	0.130
10/09/2018 0:00	0.040	0.069	0.050	0.051	0.093	0.125	0.118	0.112
10/10/2018 0:00	0.040	0.069	0.060	0.057	0.093	0.125	0.141	0.127
10/11/2018 0:00	0.040	0.069	0.084	0.084	0.093	0.125	0.200	0.185
10/12/2018 0:00	0.040	0.069	0.055	0.051	0.093	0.124	0.130	0.112
10/13/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/14/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/15/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/16/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/17/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/18/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/19/2018 0:00	0.024	0.041	0.027	0.022	0.056	0.075	0.065	0.048
10/20/2018 0:00	0.062	0.107	0.080	0.077	0.144	0.193	0.190	0.171
10/21/2018 0:00	0.069	0.118	0.087	0.085	0.161	0.213	0.206	0.189
10/22/2018 0:00	0.041	0.071	0.051	0.051	0.095	0.128	0.122	0.114
10/23/2018 0:00	0.040	0.069	0.050	0.050	0.093	0.125	0.118	0.111
10/24/2018 0:00	0.041	0.071	0.052	0.052	0.095	0.128	0.123	0.114
10/25/2018 0:00	0.041	0.071	0.052	0.052	0.095	0.128	0.122	0.114
10/26/2018 0:00	0.040	0.069	0.051	0.051	0.093	0.126	0.120	0.112
10/27/2018 0:00	0.068	0.117	0.086	0.085	0.159	0.212	0.204	0.188
10/28/2018 0:00	0.040	0.069	0.050	0.050	0.093	0.125	0.118	0.111
10/29/2018 0:00	0.040	0.069	0.050	0.050	0.092	0.124	0.118	0.110
10/30/2018 0:00	0.053	0.092	0.067	0.067	0.123	0.166	0.158	0.148
10/31/2018 0:00	0.043	0.075	0.060	0.060	0.100	0.135	0.142	0.132
11/01/2018 0:00	0.057	0.099	0.073	0.073	0.133	0.179	0.173	0.161
11/02/2018 0:00	0.041	0.071	0.051	0.051	0.095	0.128	0.122	0.114
11/03/2018 0:00	0.042	0.073	0.051	0.051	0.098	0.131	0.121	0.113
11/04/2018 0:00	0.040	0.070	0.051	0.051	0.094	0.127	0.121	0.113
11/05/2018 0:00	0.042	0.070	0.051	0.051	0.097	0.127	0.121	0.112
11/06/2018 0:00	0.044	0.076	0.055	0.055	0.103	0.137	0.131	0.122
11/07/2018 0:00	0.017	0.113	0.084	0.049	0.040	0.204	0.199	0.109
11/08/2018 0:00	0.065	0.118	0.087	0.086	0.152	0.213	0.207	0.190
11/09/2018 0:00	0.055	0.092	0.060	0.058	0.128	0.167	0.142	0.129
11/10/2018 0:00	0.040	0.069	0.050	0.050	0.092	0.125	0.118	0.111
11/11/2018 0:00	0.067	0.114	0.084	0.081	0.155	0.207	0.199	0.180
11/12/2018 0:00	0.070	0.119	0.088	0.084	0.163	0.216	0.208	0.185
11/13/2018 0:00	0.050	0.086	0.062	0.059	0.118	0.156	0.146	0.130
11/14/2018 0:00	0.035	0.062	0.045	0.040	0.083	0.112	0.107	0.088
11/15/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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
11/16/2018 0:00	Down	0.053	0.039	Down	Down	0.097	0.091	Down
11/17/2018 0:00	0.044	0.071	0.073	0.052	0.103	0.128	0.173	0.114
11/18/2018 0:00	0.047	0.082	0.060	0.059	0.110	0.148	0.141	0.131
11/19/2018 0:00	0.040	0.107	0.084	0.076	0.094	0.193	0.200	0.167
11/20/2018 0:00	0.000	0.082	0.059	0.060	0.000	0.149	0.141	0.132
11/21/2018 0:00	0.040	0.055	Down	Down	0.094	0.100	Down	Down
11/22/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/23/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/24/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/25/2018 0:00	0.054	0.092	0.062	0.062	0.125	0.166	0.148	0.138
11/26/2018 0:00	0.030	0.052	0.040	0.038	0.070	0.094	0.094	0.084
11/27/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/28/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/29/2018 0:00	0.049	0.085	0.062	0.061	0.115	0.154	0.148	0.135
11/30/2018 0:00	0.022	Down	Down	Down	0.051	Down	Down	Down
12/01/2018 0:00	0.060	0.100	0.064	0.064	0.139	0.180	0.152	0.142
12/02/2018 0:00	0.070	0.120	0.088	0.085	0.163	0.216	0.208	0.189
12/03/2018 0:00	0.070	0.119	0.088	0.081	0.162	0.215	0.209	0.179
12/04/2018 0:00	0.033	0.055	0.043	0.040	0.077	0.100	0.101	0.089
12/05/2018 0:00	0.061	0.099	0.077	0.071	0.143	0.179	0.182	0.157
12/06/2018 0:00	0.069	0.119	0.088	0.085	0.161	0.215	0.208	0.188
12/07/2018 0:00	0.055	0.094	0.068	0.069	0.129	0.170	0.162	0.151
12/08/2018 0:00	0.040	0.069	0.051	0.051	0.093	0.126	0.120	0.112
12/09/2018 0:00	0.044	0.076	0.055	0.055	0.102	0.138	0.129	0.121
12/10/2018 0:00	0.069	0.118	0.088	0.085	0.161	0.214	0.207	0.189
12/11/2018 0:00	0.040	0.070	0.051	0.051	0.093	0.126	0.120	0.112
12/12/2018 0:00	0.040	0.070	0.059	0.051	0.093	0.126	0.139	0.112
12/13/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/14/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/15/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/16/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/17/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/18/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/19/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/20/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/21/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/22/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/23/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/24/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/25/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/26/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/27/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/28/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/29/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/30/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/31/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down

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

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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
Total:								
Average:	0.046	0.083	0.062	0.060	0.108	0.150	0.147	0.134
Maximum:	0.070	0.120	0.088	0.086	0.163	0.216	0.209	0.190
Minimum:	0.000	0.041	0.027	0.022	0.000	0.075	0.065	0.048

Attachment 11

Condition AQ-18 Startup/Shutdown Emission Limits Report

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

Unit Name: Mariposa Unit 600

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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
10/01/2018 0:00	5.4	1.4	6.4	1.3	0.2	1.8	0.0	0.00	0.1
10/02/2018 0:00	4.1	1.3	4.6	1.2	0.1	2.0	0.0	0.00	0.0
10/03/2018 0:00	4.9	1.2	5.1	1.8	0.1	1.9	0.0	0.00	0.0
10/04/2018 0:00	4.4	1.2	5.6	0.9	0.1	1.5	0.0	0.00	0.0
10/05/2018 0:00	5.0	1.3	5.6	0.9	0.1	1.2	0.0	0.00	0.0
10/06/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/07/2018 0:00	5.6	1.5	6.0	1.0	0.1	1.4	0.0	0.00	0.0
10/08/2018 0:00	5.2	1.3	5.7	0.3	0.1	0.6	0.0	0.00	0.0
10/09/2018 0:00	5.3	1.2	5.9	0.3	0.1	0.6	0.0	0.00	0.0
10/10/2018 0:00	4.9	1.2	6.1	1.3	0.1	1.7	0.0	0.00	0.0
10/11/2018 0:00	4.9	1.3	5.9	1.2	0.1	1.6	0.0	0.00	0.0
10/12/2018 0:00	5.3	1.6	5.6	0.9	0.1	1.2	0.0	0.00	0.0
10/13/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/14/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/15/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/16/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/17/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/18/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/19/2018 0:00	6.3	1.2	7.7	1.3	0.1	1.4	0.0	0.00	0.0
10/20/2018 0:00	5.0	1.0	6.2	1.4	0.3	1.9	0.0	0.00	0.1
10/21/2018 0:00	5.4	1.4	6.4	0.8	0.2	1.4	0.0	0.00	0.1
10/22/2018 0:00	5.3	1.1	5.7	0.8	0.2	1.1	0.0	0.00	0.0
10/23/2018 0:00	5.3	1.0	5.7	1.3	0.1	2.0	0.0	0.00	0.0
10/24/2018 0:00	5.2	1.3	5.7	0.5	0.2	0.8	0.0	0.00	0.0
10/25/2018 0:00	5.3	0.9	5.9	0.6	0.1	0.9	0.0	0.00	0.0
10/26/2018 0:00	5.0	1.4	5.4	0.8	0.1	1.0	0.0	0.00	0.0
10/27/2018 0:00	6.1	1.4	7.0	1.1	0.2	2.0	0.0	0.00	0.1
10/28/2018 0:00	5.3	1.1	5.8	1.1	0.1	1.4	0.0	0.00	0.0
10/29/2018 0:00	5.6	1.1	6.0	0.3	0.1	0.5	0.0	0.00	0.0
10/30/2018 0:00	5.1	1.4	5.7	0.7	0.1	1.0	0.0	0.00	0.0
10/31/2018 0:00	4.6	1.3	5.1	0.2	0.1	0.5	0.0	0.00	0.0
11/01/2018 0:00	4.9	1.4	6.4	1.3	0.1	1.6	0.0	0.00	0.1

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

Unit Name: Mariposa Unit 600

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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
11/02/2018 0:00	4.6	1.2	5.3	1.4	0.2	1.7	0.0	0.00	0.0
11/03/2018 0:00	5.6	1.3	6.2	0.4	0.1	0.7	0.0	0.00	0.0
11/04/2018 0:00	5.4	1.2	5.5	0.3	0.1	0.4	0.0	0.00	0.0
11/05/2018 0:00	6.3	1.1	7.0	0.1	0.1	0.1	0.0	0.00	0.0
11/06/2018 0:00	6.5	1.5	7.1	0.2	0.1	0.2	0.0	0.00	0.0
11/07/2018 0:00	5.3	1.3	6.3	0.1	0.1	0.3	0.0	0.00	0.0
11/08/2018 0:00	5.4	1.2	6.6	1.3	0.1	1.4	0.0	0.00	0.0
11/09/2018 0:00	4.7	1.2	5.1	0.6	0.1	1.0	0.0	0.00	0.0
11/10/2018 0:00	5.2	1.5	5.5	0.9	0.1	1.2	0.0	0.00	0.0
11/11/2018 0:00	5.1	1.5	5.4	0.8	0.2	1.1	0.0	0.01	0.0
11/12/2018 0:00	4.1	1.1	5.1	0.5	0.1	1.5	0.0	0.00	0.1
11/13/2018 0:00	4.6	1.2	5.7	1.2	0.2	1.5	0.0	0.00	0.1
11/14/2018 0:00	5.0	1.0	5.5	0.8	0.1	1.2	0.0	0.00	0.0
11/15/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/16/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/17/2018 0:00	6.9	1.1	7.6	0.6	0.1	1.2	0.0	0.00	0.0
11/18/2018 0:00	5.8	1.2	6.0	0.4	0.1	0.5	0.0	0.00	0.0
11/19/2018 0:00	5.2	1.1	5.2	2.4	0.2	2.4	0.0	0.00	0.0
11/20/2018 0:00	7.7	0.0	7.7	1.3	0.0	1.3	0.0	0.00	0.0
11/21/2018 0:00	3.1	1.2	3.9	1.4	0.2	1.5	0.0	0.00	0.0
11/22/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/23/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/24/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/25/2018 0:00	6.1	1.6	6.6	0.4	0.2	0.6	0.0	0.00	0.0
11/26/2018 0:00	5.7	0.3	5.9	0.4	0.1	0.6	0.0	0.00	0.0
11/27/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/28/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/29/2018 0:00	6.0	1.0	6.9	2.0	0.1	2.6	0.0	0.00	0.1
11/30/2018 0:00	6.0	1.2	7.5	0.4	0.1	0.6	0.0	0.00	0.0
12/01/2018 0:00	6.2	1.3	6.7	0.9	0.1	1.3	0.0	0.00	0.1
12/02/2018 0:00	5.9	1.2	6.9	0.4	0.2	1.0	0.0	0.00	0.1
12/03/2018 0:00	4.9	1.5	5.3	1.0	0.2	1.3	0.0	0.00	0.0

Unit Name: Mariposa Unit 600

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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
12/04/2018 0:00	6.7	1.3	7.6	1.6	0.2	1.9	0.0	0.00	0.0
12/05/2018 0:00	4.9	1.4	5.6	0.6	0.2	1.1	0.0	0.00	0.0
12/06/2018 0:00	6.2	1.4	6.9	1.1	0.2	1.6	0.0	0.01	0.1
12/07/2018 0:00	5.2	1.2	5.7	0.4	0.2	0.7	0.0	0.00	0.0
12/08/2018 0:00	5.5	1.2	5.9	0.8	0.2	1.1	0.0	0.00	0.0
12/09/2018 0:00	4.8	0.8	5.3	0.9	0.1	1.3	0.0	0.00	0.0
12/10/2018 0:00	5.2	1.2	6.4	0.4	0.2	1.0	0.0	0.00	0.0
12/11/2018 0:00	5.4	1.3	6.2	0.8	0.2	1.5	0.0	0.00	0.0
12/12/2018 0:00	5.3	1.1	5.7	1.4	0.1	1.7	0.0	0.00	0.0
12/13/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/14/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/15/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/16/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/17/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/18/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/19/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/20/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/21/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/22/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/23/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/24/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/25/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/26/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/27/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/28/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/29/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/30/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/31/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
Total:									
Average:	5.4	1.2	6.0	0.9	0.1	1.2	0.0	0.00	0.04
Maximum:	7.7	1.6	7.7	2.4	0.3	2.6	0.0	0.01	0.06
Minimum:	3.1	0.0	3.9	0.1	0.0	0.1	0.0	0.00	0.02

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

Unit Name: Mariposa Unit 700

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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 Shuldown 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
10/01/2018 0:00	6.8	1.1	7.9	1.2	0.2	1.7	0.0	0.01	0.1
10/02/2018 0:00	5.0	1.2	5.4	0.6	0.2	1.1	0.0	0.00	0.1
10/03/2018 0:00	5.2	1.2	5.8	0.9	0.2	1.2	0.0	0.00	0.1
10/04/2018 0:00	5.2	1.1	6.5	1.1	0.2	1.7	0.0	0.00	0.1
10/05/2018 0:00	6.0	1.4	6.4	0.8	0.2	1.1	0.0	0.00	0.1
10/06/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/07/2018 0:00	6.9	1.1	7.4	1.2	0.2	1.5	0.0	0.00	0.1
10/08/2018 0:00	6.1	1.2	6.6	1.4	0.2	1.7	0.0	0.00	0.1
10/09/2018 0:00	6.3	1.1	6.8	1.4	0.2	1.7	0.0	0.00	0.1
10/10/2018 0:00	5.9	1.3	7.0	1.4	0.2	2.0	0.0	0.00	0.1
10/11/2018 0:00	5.9	1.2	6.6	1.2	0.2	1.6	0.0	0.00	0.1
10/12/2018 0:00	5.8	1.5	6.3	0.8	0.1	1.1	0.0	0.00	0.1
10/13/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/14/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/15/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/16/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/17/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/18/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/19/2018 0:00	7.1	1.3	8.9	0.9	0.1	1.1	0.0	0.01	0.1
10/20/2018 0:00	5.7	1.1	6.9	0.9	0.2	1.4	0.0	0.01	0.1
10/21/2018 0:00	6.7	1.1	7.9	0.6	0.2	1.4	0.0	0.01	0.1
10/22/2018 0:00	6.3	1.0	6.8	0.7	0.2	1.0	0.0	0.00	0.1
10/23/2018 0:00	6.2	1.0	6.6	1.2	0.2	1.5	0.0	0.00	0.1
10/24/2018 0:00	6.1	1.2	6.6	0.6	0.2	0.9	0.0	0.00	0.1
10/25/2018 0:00	6.1	0.7	6.7	0.6	0.2	0.9	0.0	0.00	0.1
10/26/2018 0:00	6.4	1.2	7.0	0.8	0.1	1.1	0.0	0.00	0.1
10/27/2018 0:00	7.7	1.3	8.4	0.8	0.2	1.4	0.0	0.00	0.1
10/28/2018 0:00	6.2	1.0	6.7	0.8	0.2	1.0	0.0	0.00	0.1
10/29/2018 0:00	6.6	1.4	6.9	1.4	0.2	1.8	0.0	0.00	0.1
10/30/2018 0:00	6.0	1.2	6.7	0.8	0.2	1.1	0.0	0.00	0.1
10/31/2018 0:00	5.7	1.5	6.2	0.3	0.1	0.7	0.0	0.00	0.1
11/01/2018 0:00	5.9	1.5	8.0	1.4	0.2	2.2	0.0	0.00	0.1

Unit Name: Mariposa Unit 700

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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
11/02/2018 0:00	5.3	1.2	5.9	1.5	0.2	1.8	0.0	0.00	0.1
11/03/2018 0:00	6.9	1.2	7.3	0.5	0.2	0.7	0.0	0.00	0.1
11/04/2018 0:00	6.4	1.0	7.0	0.4	0.2	0.7	0.0	0.00	0.1
11/05/2018 0:00	7.8	1.3	8.3	0.4	0.2	0.5	0.0	0.00	0.1
11/06/2018 0:00	8.3	1.1	8.6	0.3	0.2	0.4	0.0	0.00	0.1
11/07/2018 0:00	7.8	1.4	8.6	1.3	0.2	1.9	0.0	0.01	0.1
11/08/2018 0:00	6.1	1.5	7.2	1.1	0.2	1.4	0.0	0.00	0.1
11/09/2018 0:00	5.7	1.1	6.1	0.6	0.2	0.9	0.0	0.00	0.1
11/10/2018 0:00	6.3	1.4	6.7	0.7	0.2	1.0	0.0	0.00	0.1
11/11/2018 0:00	6.3	1.3	6.6	0.7	0.2	1.0	0.0	0.01	0.1
11/12/2018 0:00	5.6	1.2	7.1	1.4	0.2	1.8	0.0	0.01	0.1
11/13/2018 0:00	6.1	1.5	7.8	0.9	0.2	1.7	0.0	0.01	0.1
11/14/2018 0:00	6.0	0.9	6.5	1.1	0.2	1.8	0.0	0.00	0.1
11/15/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/16/2018 0:00	6.7	1.2	7.5	0.5	0.2	0.9	0.0	0.00	0.1
11/17/2018 0:00	8.8	1.4	9.4	0.5	0.2	1.1	0.0	0.00	0.1
11/18/2018 0:00	7.0	1.3	7.0	0.4	0.2	0.6	0.0	0.00	0.1
11/19/2018 0:00	5.4	1.2	6.5	1.4	0.2	1.7	0.0	0.01	0.1
11/20/2018 0:00	5.9	1.4	7.2	0.5	0.2	1.1	0.0	0.01	0.1
11/21/2018 0:00	6.0	1.3	6.7	0.4	0.2	0.7	0.0	0.00	0.1
11/22/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/23/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/24/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/25/2018 0:00	6.4	1.4	6.9	1.3	0.2	1.6	0.0	0.01	0.1
11/26/2018 0:00	6.5	0.3	6.6	0.4	0.1	0.5	0.0	0.00	0.1
11/27/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/28/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/29/2018 0:00	7.4	1.1	8.3	1.7	0.2	2.1	0.0	0.00	0.1
11/30/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/01/2018 0:00	7.2	1.1	7.6	0.6	0.2	0.9	0.0	0.00	0.1
12/02/2018 0:00	6.7	1.0	7.8	0.4	0.2	0.9	0.0	0.01	0.1
12/03/2018 0:00	5.5	1.1	6.7	1.4	0.2	2.0	0.0	0.01	0.1

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

Unit Name: Mariposa Unit 700

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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
12/04/2018 0:00	7.1	1.2	8.2	1.4	0.2	2.0	0.0	0.00	0.1
12/05/2018 0:00	6.1	1.3	6.7	0.6	0.3	1.0	0.0	0.01	0.1
12/06/2018 0:00	7.7	1.3	8.4	1.2	0.2	1.4	0.0	0.01	0.1
12/07/2018 0:00	5.8	1.1	6.1	1.4	0.2	1.7	0.0	0.00	0.1
12/08/2018 0:00	6.3	1.2	6.6	0.6	0.2	0.9	0.0	0.00	0.1
12/09/2018 0:00	6.0	1.1	6.5	0.6	0.2	1.0	0.0	0.00	0.1
12/10/2018 0:00	6.4	1.0	7.4	1.4	0.2	1.9	0.0	0.01	0.1
12/11/2018 0:00	6.1	1.2	6.9	0.7	0.2	1.5	0.0	0.00	0.1
12/12/2018 0:00	6.5	1.1	6.9	1.1	0.2	1.4	0.0	0.00	0.1
12/13/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/14/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/15/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/16/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/17/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/18/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/19/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/20/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/21/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/22/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/23/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/24/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/25/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/26/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/27/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/28/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/29/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/30/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/31/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
Total:									
Average:	6.4	1.2	7.1	0.9	0.2	1.3	0.0	0.01	0.08
Maximum:	8.8	1.5	9.4	1.7	0.3	2.2	0.0	0.01	0.11
Minimum:	5.0	0.3	5.4	0.3	0.1	0.4	0.0	0.00	0.07

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

Unit Name: Mariposa Unit 800

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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
10/01/2018 0:00	7.2	0.9	8.0	1.0	0.2	1.4	0.0	0.00	0.1
10/02/2018 0:00	4.6	1.1	5.0	0.6	0.2	1.3	0.0	0.00	0.1
10/03/2018 0:00	5.0	1.1	5.7	0.9	0.2	1.2	0.0	0.00	0.0
10/04/2018 0:00	5.3	1.0	6.4	0.9	0.2	1.6	0.0	0.00	0.0
10/05/2018 0:00	6.2	0.9	6.6	0.8	0.1	1.1	0.0	0.00	0.1
10/06/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/07/2018 0:00	6.9	1.2	7.4	1.0	0.2	1.3	0.0	0.00	0.1
10/08/2018 0:00	6.5	1.0	7.0	1.1	0.2	1.3	0.0	0.00	0.0
10/09/2018 0:00	6.3	1.0	6.8	0.3	0.2	0.7	0.0	0.00	0.0
10/10/2018 0:00	5.7	1.1	6.1	1.1	0.2	1.8	0.0	0.00	0.1
10/11/2018 0:00	5.9	1.1	6.6	1.1	0.2	1.8	0.0	0.00	0.0
10/12/2018 0:00	6.0	1.0	6.5	0.7	0.2	1.0	0.0	0.00	0.0
10/13/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/14/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/15/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/16/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/17/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/18/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/19/2018 0:00	8.4	1.2	9.7	1.2	0.1	1.4	0.0	0.00	0.0
10/20/2018 0:00	6.0	0.4	7.5	1.0	0.3	1.6	0.0	0.01	0.1
10/21/2018 0:00	6.6	0.9	7.9	0.8	0.2	1.6	0.0	0.00	0.1
10/22/2018 0:00	6.7	0.8	6.9	0.8	0.2	1.0	0.0	0.00	0.0
10/23/2018 0:00	6.1	0.9	6.6	0.7	0.2	1.3	0.0	0.00	0.0
10/24/2018 0:00	6.0	1.1	6.6	0.7	0.2	1.0	0.0	0.00	0.1
10/25/2018 0:00	6.0	0.5	6.5	0.7	0.2	1.0	0.0	0.00	0.1
10/26/2018 0:00	6.7	1.1	7.3	0.7	0.1	1.1	0.0	0.00	0.1
10/27/2018 0:00	5.6	1.1	6.4	0.9	0.3	1.7	0.0	0.01	0.1
10/28/2018 0:00	6.2	0.8	6.7	0.8	0.2	1.0	0.0	0.00	0.0
10/29/2018 0:00	6.6	1.2	6.9	1.2	0.1	1.5	0.0	0.00	0.0
10/30/2018 0:00	5.9	1.0	6.4	0.9	0.2	1.2	0.0	0.00	0.0
10/31/2018 0:00	5.8	1.3	6.1	0.4	0.2	1.0	0.0	0.00	0.1
11/01/2018 0:00	6.2	1.3	8.1	1.1	0.1	2.1	0.0	0.00	0.1

Unit Name: Mariposa Unit 800

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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
11/02/2018 0:00	5.3	1.0	6.6	1.4	0.2	2.0	0.0	0.00	0.0
11/03/2018 0:00	7.0	0.9	7.4	0.6	0.2	0.9	0.0	0.00	0.1
11/04/2018 0:00	6.9	1.1	7.2	0.5	0.2	0.8	0.0	0.00	0.1
11/05/2018 0:00	8.6	1.1	9.0	0.3	0.2	0.5	0.0	0.00	0.1
11/06/2018 0:00	8.7	1.1	9.1	1.1	0.2	1.3	0.0	0.00	0.1
11/07/2018 0:00	8.3	1.4	9.1	1.1	0.2	1.6	0.0	0.01	0.1
11/08/2018 0:00	6.5	1.5	7.5	1.0	0.1	1.4	0.0	0.00	0.1
11/09/2018 0:00	5.7	1.4	6.1	0.6	0.2	1.0	0.0	0.00	0.0
11/10/2018 0:00	6.6	1.3	6.8	0.8	0.1	1.1	0.0	0.00	0.0
11/11/2018 0:00	6.3	1.1	6.6	0.7	0.2	1.0	0.0	0.01	0.1
11/12/2018 0:00	4.8	1.2	5.8	1.2	0.2	1.7	0.0	0.00	0.1
11/13/2018 0:00	5.3	1.1	6.1	1.0	0.2	1.9	0.0	0.00	0.1
11/14/2018 0:00	6.1	1.1	6.5	0.6	0.2	1.2	0.0	0.00	0.1
11/15/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/16/2018 0:00	7.1	1.0	7.4	0.6	0.2	0.9	0.0	0.00	0.0
11/17/2018 0:00	5.2	1.3	5.4	0.7	0.1	1.0	0.0	0.00	0.0
11/18/2018 0:00	6.9	1.0	6.8	0.6	0.2	0.9	0.0	0.00	0.1
11/19/2018 0:00	5.6	1.2	6.1	0.5	0.2	1.1	0.0	0.01	0.0
11/20/2018 0:00	5.9	1.2	6.2	0.7	0.2	1.4	0.0	0.00	0.1
11/21/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/22/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/23/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/24/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/25/2018 0:00	6.7	1.0	7.2	1.0	0.2	1.3	0.0	0.00	0.1
11/26/2018 0:00	6.4	0.1	6.5	1.1	0.1	1.3	0.0	0.00	0.1
11/27/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/28/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/29/2018 0:00	7.5	1.0	8.3	1.8	0.2	2.4	0.0	0.00	0.1
11/30/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/01/2018 0:00	8.1	0.9	7.9	0.8	0.2	1.0	0.0	0.00	0.1
12/02/2018 0:00	7.0	1.1	8.0	0.5	0.2	0.9	0.0	0.00	0.1
12/03/2018 0:00	5.3	1.1	5.7	0.4	0.2	1.2	0.0	0.00	0.1

Unit Name: Mariposa Unit 800

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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
12/04/2018 0:00	4.5	1.3	5.4	1.0	0.2	1.7	0.0	0.00	0.0
12/05/2018 0:00	6.4	0.5	6.6	0.7	0.2	0.9	0.0	0.00	0.1
12/06/2018 0:00	4.7	1.0	5.7	0.8	0.2	1.4	0.0	0.01	0.1
12/07/2018 0:00	5.8	1.2	6.2	1.0	0.2	1.3	0.0	0.00	0.0
12/08/2018 0:00	6.4	1.1	6.6	0.6	0.2	1.0	0.0	0.00	0.0
12/09/2018 0:00	5.7	0.4	6.0	0.8	0.2	1.1	0.0	0.00	0.0
12/10/2018 0:00	5.3	0.9	6.3	1.2	0.2	1.9	0.0	0.01	0.1
12/11/2018 0:00	6.0	1.1	6.3	1.1	0.2	1.6	0.0	0.00	0.0
12/12/2018 0:00	6.0	1.0	6.4	1.0	0.1	1.4	0.0	0.00	0.0
12/13/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/14/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/15/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/16/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/17/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/18/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/19/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/20/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/21/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/22/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/23/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/24/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/25/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/26/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/27/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/28/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/29/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/30/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/31/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
Total:									
Average:	6.3	1.0	6.8	0.8	0.2	1.3	0.0	0.00	0.05
Maximum:	8.7	1.5	9.7	1.8	0.3	2.4	0.0	0.01	0.08
Minimum:	4.5	0.1	5.0	0.3	0.1	0.5	0.0	0.00	0.05

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

Unit Name: Mariposa Unit 900

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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
10/01/2018 0:00	7.3	1.1	8.2	1.1	0.1	1.6	0.0	0.00	0.1
10/02/2018 0:00	5.1	1.2	5.5	0.6	0.1	0.9	0.0	0.00	0.1
10/03/2018 0:00	5.4	1.3	6.6	0.9	0.1	1.3	0.0	0.00	0.0
10/04/2018 0:00	5.7	1.1	6.8	1.1	0.1	1.6	0.0	0.00	0.0
10/05/2018 0:00	6.5	1.4	6.9	0.7	0.1	1.1	0.0	0.00	0.1
10/06/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/07/2018 0:00	7.3	1.4	7.7	1.3	0.1	1.6	0.0	0.00	0.1
10/08/2018 0:00	6.7	1.4	7.2	0.4	0.1	0.6	0.0	0.01	0.0
10/09/2018 0:00	6.4	1.1	6.9	0.3	0.1	0.6	0.0	0.00	0.0
10/10/2018 0:00	6.1	1.2	6.5	1.1	0.1	1.5	0.0	0.00	0.1
10/11/2018 0:00	6.6	1.2	7.0	1.5	0.1	1.7	0.0	0.00	0.0
10/12/2018 0:00	6.4	1.8	6.8	0.7	0.1	1.0	0.0	0.00	0.0
10/13/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/14/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/15/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/16/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/17/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/18/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/19/2018 0:00	11.2	0.2	11.4	0.5	0.1	0.5	0.0	0.00	0.0
10/20/2018 0:00	5.6	1.1	6.7	1.1	0.2	1.6	0.0	0.01	0.1
10/21/2018 0:00	7.9	1.2	8.6	0.8	0.1	1.5	0.0	0.00	0.1
10/22/2018 0:00	7.0	1.0	7.5	0.7	0.1	1.0	0.0	0.00	0.0
10/23/2018 0:00	6.5	1.0	7.0	0.5	0.1	1.1	0.0	0.00	0.0
10/24/2018 0:00	6.5	1.2	7.1	0.5	0.1	0.9	0.0	0.00	0.1
10/25/2018 0:00	6.4	0.8	7.0	0.5	0.1	0.8	0.0	0.00	0.1
10/26/2018 0:00	7.1	1.4	7.7	0.7	0.1	1.0	0.0	0.00	0.1
10/27/2018 0:00	5.8	1.3	6.7	0.7	0.1	1.5	0.0	0.01	0.1
10/28/2018 0:00	6.4	1.3	6.9	0.7	0.1	1.0	0.0	0.00	0.0
10/29/2018 0:00	6.8	1.3	7.3	0.4	0.1	0.7	0.0	0.00	0.0
10/30/2018 0:00	6.7	1.3	7.4	0.8	0.1	1.1	0.0	0.00	0.0
10/31/2018 0:00	6.0	1.7	6.6	0.3	0.1	0.9	0.0	0.00	0.1
11/01/2018 0:00	6.5	1.5	8.5	1.4	0.1	2.4	0.0	0.00	0.1

Unit Name: Mariposa Unit 900

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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
11/02/2018 0:00	6.0	1.6	7.2	0.5	0.1	1.1	0.0	0.00	0.1
11/03/2018 0:00	7.1	1.4	7.7	0.5	0.1	0.8	0.0	0.00	0.1
11/04/2018 0:00	6.6	1.3	7.2	0.3	0.1	0.7	0.0	0.00	0.1
11/05/2018 0:00	9.1	1.2	9.6	0.2	0.1	0.4	0.0	0.00	0.1
11/06/2018 0:00	5.2	1.2	5.8	0.3	0.1	0.7	0.0	0.00	0.0
11/07/2018 0:00	8.9	1.3	9.5	0.4	0.1	0.7	0.0	0.01	0.1
11/08/2018 0:00	7.3	1.5	8.1	0.5	0.1	1.0	0.0	0.00	0.1
11/09/2018 0:00	6.1	1.5	6.7	0.7	0.1	1.0	0.0	0.00	0.0
11/10/2018 0:00	6.9	1.4	7.4	0.8	0.1	1.2	0.0	0.00	0.0
11/11/2018 0:00	6.4	1.3	7.0	0.6	0.2	0.9	0.0	0.01	0.1
11/12/2018 0:00	5.9	0.8	7.4	1.4	0.1	1.9	0.0	0.00	0.1
11/13/2018 0:00	6.6	1.5	8.1	1.0	0.1	1.7	0.0	0.00	0.1
11/14/2018 0:00	6.4	1.5	7.1	0.6	0.1	1.1	0.0	0.00	0.1
11/15/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/16/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/17/2018 0:00	9.6	1.4	10.0	0.6	0.1	1.3	0.0	0.00	0.1
11/18/2018 0:00	7.7	1.2	7.7	0.5	0.1	0.6	0.0	0.00	0.1
11/19/2018 0:00	6.1	1.4	6.6	0.4	0.1	0.7	0.0	0.01	0.0
11/20/2018 0:00	6.1	1.2	7.6	0.9	0.1	1.3	0.0	0.00	0.1
11/21/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/22/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/23/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/24/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/25/2018 0:00	6.8	1.1	7.3	0.3	0.1	0.6	0.0	0.00	0.1
11/26/2018 0:00	6.8	0.6	7.0	0.4	0.1	0.5	0.0	0.00	0.1
11/27/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/28/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/29/2018 0:00	8.6	1.4	9.2	1.9	0.1	2.4	0.0	0.00	0.1
11/30/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/01/2018 0:00	8.6	0.7	8.9	0.7	0.1	1.0	0.0	0.00	0.1
12/02/2018 0:00	7.3	1.0	8.1	0.4	0.1	0.8	0.0	0.00	0.1
12/03/2018 0:00	6.1	1.4	7.3	0.4	0.1	1.0	0.0	0.00	0.1

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

Unit Name: Mariposa Unit 900

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 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
12/04/2018 0:00	8.1	1.3	8.9	1.9	0.1	2.1	0.0	0.00	0.0
12/05/2018 0:00	6.9	0.9	7.5	0.6	0.1	0.9	0.0	0.00	0.1
12/06/2018 0:00	7.0	1.4	7.6	1.1	0.2	1.4	0.0	0.01	0.1
12/07/2018 0:00	6.3	1.3	6.8	0.4	0.1	0.6	0.0	0.00	0.0
12/08/2018 0:00	6.8	1.2	7.3	0.5	0.1	0.8	0.0	0.00	0.0
12/09/2018 0:00	6.4	1.2	7.0	0.6	0.1	1.0	0.0	0.00	0.0
12/10/2018 0:00	6.8	1.1	7.1	0.4	0.1	0.7	0.0	0.00	0.1
12/11/2018 0:00	6.6	1.3	7.2	0.7	0.1	1.5	0.0	0.00	0.0
12/12/2018 0:00	6.7	1.6	7.3	1.4	0.1	1.7	0.0	0.00	0.0
12/13/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/14/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/15/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/16/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/17/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/18/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/19/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/20/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/21/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/22/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/23/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/24/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/25/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/26/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/27/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/28/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/29/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/30/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/31/2018 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
Total:									
Average:	6.8	1.2	7.5	0.7	0.1	1.1	0.0	0.00	0.05
Maximum:	11.2	1.8	11.4	1.9	0.2	2.4	0.0	0.01	0.08
Minimum:	5.1	0.2	5.5	0.2	0.1	0.4	0.0	0.00	0.04

Attachment 12

Condition AQ-19 Daily Emission Limits:
NOx, CO, POC, SO_2 Emissions Report

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

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 23:59

DATE/TIME	Daily NOx Lbs Limit 1100	Daily CO Lbs Limit 934	Daily POC Lbs Limit 95	Daily SO2 Lbs Limit 130				
10/01/2018 0:00	94	38	2	5				
10/02/2018 0:00	118	55	3	7				
10/03/2018 0:00	81	26	1	3				
10/04/2018 0:00	85	26	1	3				
10/05/2018 0:00	39	12	0	1				
10/06/2018 0:00	Down	Down	Down	Down				
10/07/2018 0:00	43	12	0	1				
10/08/2018 0:00	61	19	1	2				
10/09/2018 0:00	56	14	1	1				
10/10/2018 0:00	82	24	1	2				
10/11/2018 0:00	82	27	1	2				
10/12/2018 0:00	54	12	1	1				
10/13/2018 0:00	Down	Down	Down	Down				
10/14/2018 0:00	Down	Down	Down	Down				
10/15/2018 0:00	Down	Down	Down	Down				
10/16/2018 0:00	Down	Down	Down	Down				
10/17/2018 0:00	Down	Down	Down	Down				
10/18/2018 0:00	Down	Down	Down	Down				
10/19/2018 0:00	45	3	0	0				
10/20/2018 0:00	50	12	0	1				
10/21/2018 0:00	93	34	2	3				
10/22/2018 0:00	57	18	1	2				
10/23/2018 0:00	54	15	1	1				
10/24/2018 0:00	59	20	1	2				
10/25/2018 0:00	54	19	1	2				
10/26/2018 0:00	55	16	1	1				
10/27/2018 0:00	97	39	2	4				
10/28/2018 0:00	54	14	1	1				
10/29/2018 0:00	60	17	1	2				
10/30/2018 0:00	78	25	1	3				
10/31/2018 0:00	123	31	2	5				
11/01/2018 0:00	94	27	2	3				
11/02/2018 0:00	80	23	1	2				
11/03/2018 0:00	42	9	0	1				
11/04/2018 0:00	49	11	1	1				
11/05/2018 0:00	60	16	1	2				
11/06/2018 0:00	59	15	1	2				
11/07/2018 0:00	73	16	1	2				
11/08/2018 0:00	121	36	2	4				
11/09/2018 0:00	97	35	2	4				
11/10/2018 0:00	55	16	1	2				
11/11/2018 0:00	91	28	2	3				
11/12/2018 0:00	133	55	3	7				
11/13/2018 0:00	90	27	2	3				
11/14/2018 0:00	59	13	0	1				
11/15/2018 0:00	Down	Down	Down	Down				

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

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 23:59

DATE/TIME	Daily NOx Lbs Limit 1100	Daily CO Lbs Limit 934	Daily POC Lbs Limit 95	Daily SO2 Lbs Limit 130				
11/16/2018 0:00	22	4	0	0				
11/17/2018 0:00	54	12	1	1				
11/18/2018 0:00	67	25	1	3				
11/19/2018 0:00	113	39	2	3				
11/20/2018 0:00	71	19	1	1				
11/21/2018 0:00	27	9	0	0				
11/22/2018 0:00	Down	Down	Down	Down				
11/23/2018 0:00	Down	Down	Down	Down				
11/24/2018 0:00	Down	Down	Down	Down				
11/25/2018 0:00	62	14	1	2				
11/26/2018 0:00	26	4	0	1				
11/27/2018 0:00	Down	Down	Down	Down				
11/28/2018 0:00	Down	Down	Down	Down				
11/29/2018 0:00	65	22	1	2				
11/30/2018 0:00	8	1	0	0				
12/01/2018 0:00	72	24	1	3				
12/02/2018 0:00	91	31	2	4				
12/03/2018 0:00	120	40	2	4				
12/04/2018 0:00	60	13	0	1				
12/05/2018 0:00	63	26	1	3				
12/06/2018 0:00	101	31	2	3				
12/07/2018 0:00	63	18	1	2				
12/08/2018 0:00	61	20	1	2				
12/09/2018 0:00	48	15	1	2				
12/10/2018 0:00	85	28	1	3				
12/11/2018 0:00	67	16	1	1				
12/12/2018 0:00	61	18	1	2				
12/13/2018 0:00	Down	Down	Down	Down				
12/14/2018 0:00	Down	Down	Down	Down				
12/15/2018 0:00	Down	Down	Down	Down				
12/16/2018 0:00	Down	Down	Down	Down				
12/17/2018 0:00	Down	Down	Down	Down				
12/18/2018 0:00	Down	Down	Down	Down				
12/19/2018 0:00	Down	Down	Down	Down				
12/20/2018 0:00	Down	Down	Down	Down				
12/21/2018 0:00	Down	Down	Down	Down				
12/22/2018 0:00	Down	Down	Down	Down				
12/23/2018 0:00	Down	Down	Down	Down				
12/24/2018 0:00	Down	Down	Down	Down				
12/25/2018 0:00	Down	Down	Down	Down				
12/26/2018 0:00	Down	Down	Down	Down				
12/27/2018 0:00	Down	Down	Down	Down				
12/28/2018 0:00	Down	Down	Down	Down				
12/29/2018 0:00	Down	Down	Down	Down				
12/30/2018 0:00	Down	Down	Down	Down				
12/31/2018 0:00	Down	Down	Down	Down				

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

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 10/01/2018 0:00

Report End Date/Time : Mon 12/31/2018 23:59

DATE/TIME	Daily NOx Lbs Limit 1100	Daily CO Lbs Limit 934	Daily POC Lbs Limit 95	Daily SO2 Lbs Limit 130				
Total:	4177	1284	64	137				
Average:	70	21	1	2				
Maximum:	133	55	3	7				
Minimum:	8	1	0	0				

Attachment 13

Condition AQ-20 Cumulative Rolling 12-Month CTG Emissions: NOx, CO, POC, PM_{10}, SO_2 Emissions Report

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
10/2018	6.6	2.0	0.2	0.5	0.2
11/2018	7.2	2.2	0.2	0.5	0.2
12/2018	7.3	2.2	0.2	0.5	0.2
Maximum:	7.3	2.2	0.2	0.5	0.2
Minimum:	6.6	2.0	0.2	0.5	0.2

Attachment 14

Condition AQ-31 Facility Sulfuric Acid Mist (SAM)
12-Month Tons Limit Emissions Report

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

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
10/2018	0.25	0.25	0.25	0.25	0.99
11/2018	0.27	0.28	0.28	0.28	1.11
12/2018	0.29	0.29	0.30	0.29	1.17
Maximum:	0.29	0.29	0.30	0.29	1.17
Minimum:	0.25	0.25	0.25	0.25	0.99

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.*

There were no violations of any of the applicable permit conditions for Mariposa Energy LLC during the fourth quarter of 2018.

Attachment 16

Condition AQ-38: 40 CFR Part 72.9(c)(1) SO_2 Allowances and 40 CFR Part 75 CEM Requirements Report

CLEAN AIR MARKET PROGRAMS
CAMD Business System

EPA United States Environmental Protection Agency

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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
057483FACLTY	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 P

Continue

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_x and CO**

MONTH: Oct-18 DILUENT: **O_2**

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

DATE	TIME	DURATION	MAGNITIUDE	REMARKS			
There were no excess emissions of NOx or CO from any of the combustion turbine generator sources (S-1, S-2, S-3, or S-4), during the month of October 2018.							

III. MONITOR MALFUNCTION

DATE	TIME	DURATION	PROBLEM/CORRECTIVE ACTION
10/3/2018	5:00:00 AM	1 hour	S-1 O_2 CEM malfunctioned during startup. Unit was placed into maintenance mode and recalibrated sucessfully CEM put back in service No further issues.
There were no monitor malfunctions on any of the combustion turbine generator sources (S-2, S-3 or S-4), during the month of October 2018.			

Signature 11/29/18
Date

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_x and CO**

MONTH: Nov-18

DILUENT: **O_2**

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

DATE	TIME	DURATION	MAGNITUDE	REMARKS			
There were no excess emissions of NOx or CO from any of the combustion turbine generator sources (S-1, S-2, S-3, or S-4), during the month of November 2018.							

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 November 2018.							

Signature

12/17/18
Date

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_x and CO**

MONTH: Dec-18 DILUENT **O_2**

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

DATE	TIME	DURATION	MAGNITIUDE	REMARKS			
There were no excess emissions of NOx or CO from any of the combustion turbine generator sources (S-1, S-2, S-3, or S-4), during the month of December 2018.							

III. MONITOR MALFUNCTION

DATE	TIME	DURATION	PROBLEM/CORRECTIVE ACTION				
12/7/2018	9 00 00 AM	1 hour	S-3 (Unit 800) CEMS placed into maintenance mode to perform Linearity Test.				
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 December 2018.							
Cylinder Gas Audits and Linearity Tests were performed on S-3 (Unit 800) on 12/7/2018.							

Signature

1/14/19
Date

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 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
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)
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
8/12/2013	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
6/12/2014	44.1	44.6	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	463.8 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
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
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

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
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
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

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
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
5/30/2.016	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
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

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
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
5/15/201	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
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

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
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
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

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)
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
9/17/2018	154.1	154.6	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
12/3/20018	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
				TOTAL HOURS	162.6 Hours	0.0 Hours			

Permit Annual Limit = 50 hours/year for reliability-related (maintenance & testing) testing
Emergency hours of operation is not limited.
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).*

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