DOCKETED

Docket Number:	09-AFC-03C
Project Title:	MARIPOSA ENERGY PROJECT - Compliance
TN #:	230261
Document Title:	Quarterly Compliance Report Third Quarter 2019
Description:	Air Quality Quarterly Compliance Report- Third Quarter 2019
Filer:	Anwar Ali
Organization:	Mariposa Energy LLC
Submitter Role:	Applicant
Submission Date:	10/17/2019 1:50:03 PM
Docketed Date:	10/17/2019

Mariposa Energy, LLC
4887 Bruns Road, Byron, CA 94514
Tel: (209) 830-1401

October 17, 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 September 30, 2019

Dear Mr. Ali,

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

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

The QCR contains the following attachments:

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

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

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

Attachment 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

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

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

Mariposa Energy, LLC

QUARTERLY COMPLIANCE REPORT

Quarter Ending March 31, 2019

MARIPOSA ENERGY, LLC

QUARTERLY COMPLIANCE REPORT

QUARTER ENDING March 31, 2019

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

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

Attachment 1:	Compliance Summary
Attachment 2:	Condition AQ-11 Monthly Natural Gas Fuel Analyses
Attachment 3:	Condition AQ-12/13 Heat Input Limits: 1-hr & Daily Maximums for all CTGs Report
Attachment 4:	Condition AQ-14 Heat Input Limit: Rolling 12-Month combined CTG Heat Input Report
Attachment 5:	Condition AQ-15a/b Operating Hour Limits: Rolling 12-Month Individual and Combined CTG Hours Report
Attachment 6:	Condition AQ-16 SCR/Oxidation Catalyst Operation Report
Attachment 7:	Condition AQ-17a/b NOx Emission Limits: Hourly mass rate and hourly average concentration Report
Attachment 8:	Condition AQ-17c/d CO Emission Limits: Hourly Mass Rate/Rolling 3-Hr Concentration Report
Attachment 9:	Condition AQ-17e NH_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 24955, parts 1 & 2)
Attachment 18:	Condition AQ-41 S-6 Emergency Fire Pump Totalizing Meter Report (BAAQMD Condition 22850, part 3)

Attachment 1

Compliance Summary

Mariposa Energy, LLC
CEC Quarterly Air Compliance Report

COMPLIANCE SUMMARY

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) July 2019 0 15 August 2019 0 06 September 2019 0 13 **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-1 452 S-2 447 S-3 452 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 3,866 S-2 3,871 S-3 3,859 S-4 3,844 **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 07 2019 1,022,666 Ending 08 2019 906,654 Ending 09 2019 939,749 **In Compliance**	Attachment 4
AQ-15a	Maximum annual hours of operation per turbine	**5,200 hours per year per turbine.**	**Maximum Hr/yr** S-1 834 (07 2019) S-2 843 (07 2019) S-3 877 (07 2019) S-4 854 (07 2019) **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 07 19 3,409 12 mo Ending 08 19 3,105 12 mo Ending 09 19 3,181 **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 3.6 S-2 3.2 S-3 3.3 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 2.2 S-2 2.0 S-3 2.0 S-4 2.2 **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 1.85 S-2 1.80 S-3 1.81 S-4 1.90 **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 1.8 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 0 027 S-2 0 031 S-3 0 045 S-4 0 027 **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 0 273 S-2 0 179 S-3 0 226 S-4 0 135 **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 1 S-2 7 9 S-3 8 5 S-4 8 7 **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 1 7 S-2 2 0 S-3 2 0 S-4 1 7 **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 8 2 S-2 8 5 S-3 9 4 S-4 9 4 **In Compliance**	Attachment 11
		CO **17.3 lb/hour**	**Max CO Emissions, lb/hr** S-1 2 2 S-2 2 6 S-3 2 3 S-4 2 2 **In Compliance**	Attachment 11
		POC (as CH_4) **1.4 lb/hour**	**Max POC Emissions lb/hr** S-1 0 03 S-2 0 03 S-3 0 04 S-4 0 03 **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 4 S-2 1 4 S-3 1 4 S-4 1 6 **In Compliance**	Attachment 11
		CO **2.7 lb/shutdown**	**Max Shutdown Emissions, lb** S-1 0 5 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 00 S-2 0 00 S-3 0 00 S-4 0 00 **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 134	Attachment 12
	b. Maximum daily CO emissions.	CO **934 lb** day	Max lb day CO 60	
	c. Maximum daily POC emissions.	POC (as CH_4) **95 lb** day	Max lb day POC 1	
	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 07 31 2019 6 6 Ending 08 31 2019 6 1 Ending 09 30 2019 6 2 **In Compliance**	Attachment 13

Mariposa Energy, LLC
CEC Quarterly Air Compliance Report

COMPLIANCE SUMMARY

Condition	Condition Description	Verification or Limit	Status	Section
AQ-20 cont'd	b Maximum annual **CO** emissions	CO **27.2 ton**/year	Ending 07 31 2019 2 0 Ending 08 31 2019 1 9 Ending 09/30/2019 2 0 **In Compliance**	Attachment 13
	c Maximum annual **POC** (as CH_4) emissions	POC (as CH_4) **5.6 ton**/year	Ending 07 31 2019 0 1 Ending 08 31 2019 0 1 Ending 09/30/2019 0 1 **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 07 31 2019 0 5 Ending 08 31 2019 0 5 Ending 09 30 2019 0 5 **In Compliance**	Attachment 13
	e Maximum annual SO_2 emissions	SO_2 **2.9 ton**/year	Ending 07 31 2019 0 2 Ending 08 31 2019 0 2 Ending 09 30 2019 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 07 31 2019 0 77 Ending 08 31 2019 0 55 Ending 09 30 2019 0 51 **In Compliance**	Attachment 14

Mariposa Energy, LLC CEC Quarterly Air Compliance Report				
COMPLIANCE SUMMARY				
Condition	**Condition Description**	**Verification or Limit**	**Status**	**Section**
AQ-35	The owner operator of the MEP shall notify the District and the CEC CPM of any violations of these permit conditions Notification shall be submitted in a timely manner in accordance with all applicable District Rules, Regulations, and the Manual of Procedures Notwithstanding the notification and reporting requirements given in any District Rule, Regulation, or the Manual of Procedures, the owner operator shall submit written notification (facsimile is acceptable) to the Enforcement Division within 96 hours of the violation of any permit condition	A summary of significant operation and maintenance events and monitoring records shall be included in the quarterly operation report	There were no violations of any permit conditions requiring District and CEC notification during the 2nd Quarter of 2019 **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 2Q 2019 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 07 31 2019 26 5 Ending 08 31 2019 26 5 Ending 09 30 2019 27 0 **In Compliance**	Attachment 17

Mariposa Energy, LLC
CEC Quarterly Air Compliance Report

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 07 31 2019 Total Hrs Operated 26 5 Hrs Op as allowed 26 5 12-Mo Hrs Ending 08 31 2019 Total Hrs Operated 26 5 Hrs Op as allowed 26 5 12-Mo Hrs Ending 09 30 2019 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

ZALCO LABORATORIES, INC.
Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

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

July 11, 2019

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

TEL: (209) 830-1401
FAX:

Project ID:
RE: 1907037

Dear Kevin Kringle:

Zalco Laboratories, Inc. received 1 samples on 7/3/2019 for the analyses presented in the following report.

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

Sincerely,

Juan Magaña
Project Manager
CC:

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

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

ZALCO LABORATORIES, INC.
Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

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

Mariposa Energy Project	Project: Master	Work Order No.: 1907037
4887 Bruns Rd	Project #:	Reported: 07/11/2019
Byron, CA 94514	Attention: Kevin Kringle	Received: 07/03/2019 10 20

Lab Sample ID: 1907037-01	Collected By:
Client Sample ID: Fuel Gas Sample	Date Collected: 7/2/2019 7:25.00AM

Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Gas & Air Testing								
Hydrogen sulfide	<1.00	1.00	ppmv		ASTM D5228	7/3/19	7/3/19	MO

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

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

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

Mariposa Energy Project		**Laboratory No:**	1907037-01
4887 Bruns Rd		**Date Received:**	07/03/19
Byron	**CA 94514**	**Date Analyzed:**	07/03/19
		Date Completed:	7/11/19 9:31 AM

Attention: Kevin Kringle

Sample Description: Fuel Gas Sample
Sampled: 7/2/2019 @ 7:25:00 AM by Client

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

Constituent:	Result	Units
Sulfur	0.15	grs S/100 SCF
Total Sulfur	2.45	ppmv

Chromatographic Analysis, ASTM D-1945-03, ASTM D-3588-98, GPA 2145-16, ASTM D-3246-11

Constituent:	Mole %	Weight %	GPM	GPM Fractions	CHONS%
					Carbon, C
Oxygen	0.081	0.152	(Gallons per		73 76
Nitrogen	0.430	0.707	1000 000		
Hydrogen	0.000	0.000	cubic feet)		Hydrogen, H
Carbon Dioxide	0.759	1.958			23 95
Carbon Monoxide	0.000	0.000			
Hydrogen Sulfide	0.000	0.000			Oxygen, O
Methane	93.706	88.083			1 58
Ethane	4.773	8.410			
Propane	0.202	0.521	0.055	(C3....C3) = 0.055	Nitrogen, N
IsoButane	0.019	0.063	0.006		0 71
n-Butane	0.022	0.076	0.007	(C3....C4) = 0.069	
IsoPentane	0.004	0.017	0.002		Sulfur, S
n-Pentane	0.003	0.012	0.001	(C3....C5) = 0.071	0.00
Hexanes +	0.000	0.001	0.000	(C3....C6+) = 0.071	
Totals:	100.00	100.00	0.071	0.266	100.00

Flammable Gases:	98.729	
Gas Properties calculated @ STP: degrees F.	60	
Measurement Base Pressure @ STP: psia	14.696	**H/C Ratio:** 0.32

Gas State	Dry Btu / Cu. Ft	Btu / lb	Wet Btu / Cu. Ft
Gross, Ideal Gas	1037.60	23071.03	1019.54
Net, Ideal Gas	935.60	20802.73	919.32
Gross, Real Gas	1039.90		1021.81
Net, Real Gas	937.67		921.36

Relative Gas Density; (Air=1) Ideal.	0 5893
Specific Gravity, (Air=1) Real gas:	0.5902
Real Gas Density, Lb/Cu.Ft.:	0 0451
Specific Volume, Cu.Ft /Lb:	22.1854
Relative Liquid Density @ 60F/60F	0 3106
Compressibility, 'z':	0 9978
Fuel kg per kg-mole Molecular wt avg	17 067

"F" Factor, DSCF/MMBtu @ 60F	8514	9442.6
"F" Factor, DSCF/MMBtu @ 68F	8644	9586.4
"F" Factor, DSCF/MMBtu @ 70F	8677	9622.8
"FC" Factor, DSCF CO2/MMBtu @ 60F	1010.9	1121.2
"FC" Factor, DSCF CO2/MMBtu @ 68F	1026.3	1138.2

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

CHAIN OF CUSTODY, ID#

Client PO
Project ID
Quote ID:

ANALYSIS REQUESTED 1907037

iposa Energy Project
in Kringle
-830-1401 x304 FAX NA
7 Bruns Rd
on, CA. 94514-1905
ngle@dgc-ops.com
RE)

COMM
Turnaround Time:
Routine (10 workin
Rush By
EDT
State Form
EMAIL X

SAMPLE DESCRIPTION	DATE	TIME	Compliance	ASTM D6228	ASTM D3246									Number of Containers	Type of Containers	Sample Matrix	Notes
Fuel Gas Sample	7/2/19	7:25	X	X	X									1	Misc	G	
																	Z90713

ed By:	Company	Date	Time	Received By:	Company:
e	Mariposa Energy Project	7/2/2019	7:32		
		7/3/19	10:20	[signature]	Zalco

les Discarded 30 days after results unless other
gements are made. Hazardous samples will be returned to client
posed of at client's expense.

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

ZALCO LABORATORIES, INC.
Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

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

August 14, 2019

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

TEL: (209) 830-1401
FAX:

Project ID:
RE: 1908044

Dear Kevin Kringle:

Zalco Laboratories, Inc. received 1 samples on 8/6/2019 for the analyses presented in the following report.

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

Sincerely,

Juan Magaña
Project Manager
CC:

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

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

ZALCO LABORATORIES, INC.
Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

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

Mariposa Energy Project 4887 Bruns Rd Byron, CA 94514	Project: Master Project #: Attention: Kevin Kringle	Work Order No.: 1908044 Reported: 08/14/2019 Received: 08/06/2019 10:10

Lab Sample ID: 1908044-01	Collected By:
Client Sample ID: Fuel Gas Sample	Date Collected: 8/5/2019 7:32:00AM

Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Gas & Air Testing								
Hydrogen sulfide	<1.00	1.00	ppmv		ASTM D6228	8/7/19	8/7/19	MO

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

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

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

Mariposa Energy Project
4887 Bruns Rd
Byron CA 94514

Attention: Kevin Kringle

Laboratory No:	1908044-01
Date Received:	08/06/19
Date Analyzed:	08/07/19
Date Completed:	8/14/19 3:32 PM

Sample Description: Fuel Gas Sample
Sampled: 8/5/2019 @ 7:32:00 AM by Client

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

Constituent:	Result	Units
Sulfur	<0.06	grs S/100 SCF
Total Sulfur	<1.0	ppmv

Chromatographic Analysis, ASTM D-1945-03, ASTM D-3588-98, GPA 2145-16, ASTM D-3246-11

Constituent:	Mole %	Weight %	GPM	GPM Fractions	CHONS%
					Carbon, C
Oxygen	9.156	13.265	(Gallons per		33.84
Nitrogen	32.485	41.200	1000.000		
Hydrogen	0.000	0.000	cubic feet)		Hydrogen, H
Carbon Dioxide	0.548	1.092			10.91
Carbon Monoxide	0.000	0.000			
Hydrogen Sulfide	0.000	0.000			Oxygen, O
Methane	54.212	39.376			14.06
Ethane	3.384	4.607			
Propane	0.175	0.350	0.048	(C3....C3) = 0.048	Nitrogen, N
IsoButane	0.015	0.038	0.005		41.20
n-Butane	0.019	0.051	0.006	(C3....C4) = 0.059	
IsoPentane	0.004	0.012	0.001		Sulfur, S
n-Pentane	0.003	0.009	0.001	(C3....C5) = 0.061	0.00
Hexanes +	0.000	0.000	0.000	(C3....C6+) = 0.061	
Totals:	100.00	100.00	0.061	0.230	100.00

Flammable Gases:	57.811
Gas Properties calculated @ STP: degrees F.	60
Measurement Base Pressure @ STP: psia	14.696

H/C Ratio: 0.32

Gas State	Dry Btu / Cu. Ft	Btu / lb	Wet Btu / Cu. Ft
Gross, Ideal Gas	613.20	10535.42	602.53
Net, Ideal Gas	553.09	9502.70	543.47
Gross, Real Gas	613.99		603.31
Net, Real Gas	553.81		544.17

Relative Gas Density; [Air=1] Ideal:	0.7626
Specific Gravity, [Air=1] Real gas:	0.7632
Real Gas Density, Lb/Cu.Ft.:	0.0583
Specific Volume, Cu.Ft./Lb:	17.1587
Relative Liquid Density @ 60F/60F:	0.4787
Compressibility, 'z':	0.9987
Fuel kg per kg-mole Molecular wt avg	22.087

"F" Factor, DSCF/MMBtu @ 60F	8486	9408.3
"F" Factor, DSCF/MMBtu @ 68F	8615	9551.6
"F" Factor, DSCF/MMBtu @ 70F	8648	9587.9
"FC" Factor, DSCF CO2/MMBtu @ 60F	1015.5	1125.8
"FC" Factor, DSCF CO2/MMBtu @ 68F	1030.9	1143.0

CHAIN OF CUSTODY, ID#

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

Client PO:
Project ID:
Quote ID:

ANALYSIS REQUESTED 1908044

iposa Energy Project
in Kringle
830-1401 x304 FAX NA
Bruns Rd
on, CA. 94514-1905
ngle@dgc-ops.com
RE)

COMME
Turnaround Time:
Routine (10 working
Rush By
EDT
State Form
EMAIL X

SAMPLE DESCRIPTION	DATE	TIME	Compliance	ASTM D6228	ASTM D3246									Number of Containers	Type of Containers	Sample Matrix	Notes
Fuel Gas Sample	8/5/19	7:32	X	X	X									1	Misc	G	
																	High A Content
																	Z 90826

ed By:	Company	Date	Time	Received By:	Company:
e	Mariposa Energy Project	8/5/2019	7:39		
		8/6/19	10:10	K H	Zalco

les Discarded 30 days after results unless other
gements are made. Hazardous samples will be returned to client
posed of at client's expense.

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

ZALCO LABORATORIES, INC.
Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

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

September 20, 2019

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

TEL: (209) 830-1401
FAX:

Project ID:
RE: 1909099

Dear Kevin Kringle:

Zalco Laboratories, Inc. received 1 samples on 9/10/2019 for the analyses presented in the following report.

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

Sincerely,

Juan Magana
Project Manager
CC:

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

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

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

ZALCO LABORATORIES, INC.
Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

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

Mariposa Energy Project 4887 Bruns Rd Byron, CA 94514	Project: Master Project #: Attention: Kevin Kringle	Work Order No.: 1909099 Reported: 09/20/2019 Received: 09/10/2019 13:55

Lab Sample ID: 1909099-01	Collected By: Kevin Kringle
Client Sample ID: Fuel Gas Sample	Date Collected: 9/9/2019 7:20:00AM

Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Gas & Air Testing								
Hydrogen sulfide	2.21	1.00	ppmv		ASTM D6228	9/12/19	9/12/19	MO

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

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

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Mariposa Energy Project		**Laboratory No:**	1909099-01
4887 Bruns Rd		**Date Received:**	09/10/19
Byron	**CA 94514**	**Date Analyzed:**	09/12/19
		Date Completed:	9/20/19 12:10 PM

Attention: Kevin Kringle

Sample Description: Fuel Gas Sample
Sampled: 9/9/2019 @ 7:20:00 AM by Kevin Kringle

Chromatographic Analysis, ASTM D-1945-03, ASTM D-3246-15

Constituent:	Result	Units
Sulfur	0.13	grs S/100 SCF
Total Sulfur	2.16	ppmv

Chromatographic Analysis, ASTM D-1945-03, ASTM D-3588-98, GPA 2145-16, ASTM D-3246-15

Constituent:	Mole %	Weight %	GPM	GPM Fractions	CHONS%
					Carbon, C
Oxygen	1.727	3.128	(Gallons per		68.00
Nitrogen	3.392	5.379	1000.000		
Hydrogen	0.000	0.000	cubic feet)		Hydrogen, H
Carbon Dioxide	0.791	1.969			22.06
Carbon Monoxide	0.000	0.000			
Hydrogen Sulfide	0.000	0.000			Oxygen, O
Methane	89.200	81.001			4.56
Ethane	4.674	7.956			
Propane	0.185	0.462	0.051	(C3....C3) = 0.051	Nitrogen, N
IsoButane	0.011	0.037	0.004		5.38
n-Butane	0.015	0.048	0.005	(C3....C4) = 0.059	
IsoPentane	0.002	0.010	0.001		Sulfur, S
n-Pentane	0.002	0.008	0.001	(C3....C5) = 0.061	0.00
Hexanes +	0.000	0.001	0.000	(C3....C6+) = 0.061	
Totals:	100.00	100.00	0.061	0.232	100.00

Flammable Gases:		94.090	
Gas Properties calculated @ STP:	degrees F.	60	
Measurement Base Pressure @ STP:	psia	14.696	**H/C Ratio:** 0.32

Gas State	Dry Btu / Cu. Ft	Btu / lb	Wet Btu / Cu. Ft
Gross, Ideal Gas	989.33	21250.97	972.11
Net, Ideal Gas	892.09	19161.97	876.56
Gross, Real Gas	991.41		974.16
Net, Real Gas	893.97		878.41

Relative Gas Density; (Air=1) Ideal:	0.6100
Specific Gravity, (Air=1) Real gas:	0.6109
Real Gas Density, Lb/Cu Ft.:	0.0467
Specific Volume, Cu.Ft./Lb:	21.4347
Relative Liquid Density @ 60F/60F:	0.3276
Compressibility, 'z':	0.9979
Fuel kg per kg-mole Molecular wt avg	17.666

"F" Factor, DSCF/MMBtu @ 60F	8482	9406.6
"F" Factor, DSCF/MMBtu @ 68F	8611	9549.9
"F" Factor, DSCF/MMBtu @ 70F	8644	9586.2
"FC" Factor, DSCF CO2/MMBtu @ 60F	1011 8	1122.1
"FC" Factor, DSCF CO2/MMBtu @ 68F	1027 2	1139.1

CHAIN OF CUSTODY, ID#

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

Client PO: 13
Project ID:
Quote ID:

ANALYSIS REQUESTED 1909099

sa Energy Project
Kringle
0-1401 x304 FAX NA
runs Rd
CA. 94514-1905
e@dgc-ops.com

COMMENT
Turnaround Time:
Routine (10 working d
Rush By [ ] W
EDT [ ]
State Form [ ]
EMAIL [X]

SAMPLE DESCRIPTION	DATE	TIME	Compliance	ASTM D6228	ASTM D3246								Number of Containers	Type of Containers	Sample Matrix	Notes
el Gas Sample	9/9/19	7:20	X	X	X								1	Misc	G	

Z909315

By:	Company	Date	Time	Received By:	Company:
	Mariposa Energy Project	9/9/2019	7:27	[signature]	Zalco
		9/10/19	1355		

Discarded 30 days after results unless other
nents are made. Hazardous samples will be returned to client
sed of at client's expense.

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

Attachment 3

Condition AQ-12/13: Heat Input Report

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour mmBTU/Hr Limit 500	S-2:Unit 700 Max 1-Hour mmBTU/Hr Limit 500	S-3:Unit 800 Max 1-Hour mmBTU/Hr Limit 500	S-4:Unit 900 Max 1-Hour mmBTU/Hr Limit 500	S-1:Unit 600 Total mmBTU/Day Limit 11544	S-2:Unit 700 Total mmBTU/Day Limit 11544	S-3:Unit 800 Total mmBTU/Day Limit 11544	S-4:Unit 900 Total mmBTU/Day Limit 11544
07/01/2019 0:00	264	261	261	266	551	544	543	555
07/02/2019 0:00	266	263	262	268	677	670	668	683
07/03/2019 0:00	268	261	261	265	544	533	532	543
07/04/2019 0:00	407	398	452	447	741	731	991	981
07/05/2019 0:00	272	271	274	276	569	567	572	577
07/06/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
07/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
07/08/2019 0:00	271	271	273	275	822	825	829	838
07/09/2019 0:00	271	271	270	276	376	377	376	383
07/10/2019 0:00	193	193	191	196	295	296	294	302
07/11/2019 0:00	263	262	263	267	593	594	593	603
07/12/2019 0:00	306	312	275	277	1145	1150	1106	1128
07/13/2019 0:00	273	272	274	276	839	836	837	851
07/14/2019 0:00	271	271	267	276	570	569	561	580
07/15/2019 0:00	425	416	421	414	1013	1002	1000	1012
07/16/2019 0:00	271	270	266	275	840	839	825	856
07/17/2019 0:00	413	181	409	185	1415	216	1400	221
07/18/2019 0:00	284	283	297	299	529	519	536	541
07/19/2019 0:00	285	283	286	288	375	374	377	381
07/20/2019 0:00	Down	Down	293	Down	Down	Down	333	Down
07/21/2019 0:00	452	442	451	449	1730	1705	2307	2290
07/22/2019 0:00	446	438	445	443	3354	3312	2985	2990
07/23/2019 0:00	434	425	334	380	2931	2935	2255	2305
07/24/2019 0:00	273	273	274	283	1925	1921	1933	1960
07/25/2019 0:00	273	272	323	368	2567	2560	2625	2787
07/26/2019 0:00	451	442	451	447	2285	2242	2280	2272
07/27/2019 0:00	440	435	441	439	1851	1937	1951	1960
07/28/2019 0:00	295	295	294	298	1610	1484	1605	1620
07/29/2019 0:00	347	348	339	351	1799	1793	1783	1816
07/30/2019 0:00	264	263	265	267	803	806	813	822
07/31/2019 0:00	347	341	348	352	1045	1035	1022	1048
08/01/2019 0:00	336	336	335	334	1678	1680	1685	1702
08/02/2019 0:00	267	266	265	269	823	822	819	834
08/03/2019 0:00	324	318	311	317	1419	1411	1406	1426
08/04/2019 0:00	334	332	330	336	1650	1641	1620	1658
08/05/2019 0:00	408	406	405	407	2503	2478	2495	2513
08/06/2019 0:00	295	288	291	292	1817	1793	1796	1817
08/07/2019 0:00	262	261	262	265	820	818	822	831
08/08/2019 0:00	259	258	257	260	815	812	809	818
08/09/2019 0:00	256	256	255	261	779	784	786	804
08/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
08/11/2019 0:00	263	263	256	267	601	599	591	617
08/12/2019 0:00	279	278	278	282	991	989	989	1006
08/13/2019 0:00	438	434	451	447	2634	2627	2254	2248
08/14/2019 0:00	355	355	352	358	2210	2202	2176	2234
08/15/2019 0:00	346	345	344	349	1828	1822	1819	1839

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

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour mmBTU/Hr Limit 500	S-2:Unit 700 Max 1-Hour mmBTU/Hr Limit 500	S-3:Unit 800 Max 1-Hour mmBTU/Hr Limit 500	S-4:Unit 900 Max 1-Hour mmBTU/Hr Limit 500	S-1:Unit 600 Total mmBTU/Day Limit 11544	S-2:Unit 700 Total mmBTU/Day Limit 11544	S-3:Unit 800 Total mmBTU/Day Limit 11544	S-4:Unit 900 Total mmBTU/Day Limit 11544
08/16/2019 0:00	267	266	265	270	1093	1089	1085	1106
08/17/2019 0:00	255	255	255	259	791	791	791	805
08/18/2019 0:00	419	414	417	414	790	782	788	787
08/19/2019 0:00	420	415	361	322	1275	820	1178	741
08/20/2019 0:00	381	376	377	373	1465	1458	1437	1447
08/21/2019 0:00	260	260	258	265	731	728	725	739
08/22/2019 0:00	261	261	257	266	801	798	792	811
08/23/2019 0:00	293	291	294	295	945	942	936	946
08/24/2019 0:00	281	282	281	285	908	907	902	918
08/25/2019 0:00	443	435	183	436	1436	1428	316	1439
08/26/2019 0:00	347	346	343	347	1467	1466	1448	1481
08/27/2019 0:00	340	340	365	294	1923	1924	1980	1837
08/28/2019 0:00	261	262	261	268	1073	1077	1072	1102
08/29/2019 0:00	262	262	263	267	867	867	884	896
08/30/2019 0:00	292	292	291	293	1135	1136	1126	1136
08/31/2019 0:00	289	289	289	292	927	928	928	939
09/01/2019 0:00	382	381	234	358	1504	1471	582	999
09/02/2019 0:00	425	419	426	420	2924	2910	2906	2932
09/03/2019 0:00	336	337	338	340	1951	1959	1973	1965
09/04/2019 0:00	445	447	444	447	3866	3871	3859	3844
09/05/2019 0:00	434	437	448	439	2830	2843	2863	2853
09/06/2019 0:00	264	265	267	269	1152	1154	1156	1173
09/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/08/2019 0:00	272	272	277	275	554	556	561	566
09/09/2019 0:00	291	290	290	294	643	643	642	655
09/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/11/2019 0:00	236	235	234	235	281	279	279	280
09/12/2019 0:00	293	265	267	266	887	826	831	832
09/13/2019 0:00	271	271	272	275	1229	1231	1225	1252
09/14/2019 0:00	295	295	296	299	621	621	457	630
09/15/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/17/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/18/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/20/2019 0:00	259	259	259	265	542	541	543	556
09/21/2019 0:00	289	287	289	290	711	709	712	717
09/22/2019 0:00	310	312	313	315	976	973	980	990
09/23/2019 0:00	276	276	274	279	971	970	985	984
09/24/2019 0:00	271	271	268	247	608	610	603	474
09/25/2019 0:00	424	421	426	422	2073	2052	2184	2134
09/26/2019 0:00	274	273	264	259	1778	1645	627	614
09/27/2019 0:00	Down	Down	271	281	Down	Down	912	965
09/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/30/2019 0:00	272	272	271	273	563	566	566	566

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour mmBTU/Hr Limit 500	S-2:Unit 700 Max 1-Hour mmBTU/Hr Limit 500	S-3:Unit 800 Max 1-Hour mmBTU/Hr Limit 500	S-4:Unit 900 Max 1-Hour mmBTU/Hr Limit 500	S-1:Unit 600 Total mmBTU/Day Limit 11544	S-2:Unit 700 Total mmBTU/Day Limit 11544	S-3:Unit 800 Total mmBTU/Day Limit 11544	S-4:Unit 900 Total mmBTU/Day Limit 11544
Total:					98650	96421	95836	96365
Average:	318	313	310	315	1265	1236	1198	1220
Maximum:	452	447	452	449	3866	3871	3859	3844
Minimum:	193	181	183	185	281	216	279	221

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)

10/2/2019 9:52:52 PM

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
07/2019	249,988	253,371	263,670	255,636	1,022,666
08/2019	222,478	223,477	232,570	228,129	906,654
09/2019	231,867	232,798	239,026	236,058	939,749
Maximum:	249,988	253,371	263,670	255,636	1,022,666
Minimum:	222,478	223,477	232,570	228,129	906,654

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
07/2019	834	843	877	854	3,409
08/2019	764	766	795	780	3,105
09/2019	786	790	808	797	3,181
Maximum:	834	843	877	854	3,409
Minimum:	764	766	795	780	3,105

Attachment 6

Condition AQ-16: SCR/Oxidation Catalyst Operation Report

Condition AQ-16: SCR/Oxidation Catalyst Operation Report

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

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

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

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

Attachment 7

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

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour NOx Lbs/Hr Limit 4.4	S-2:Unit 700 Max 1-Hour NOx Lbs/Hr Limit 4.4	S-3:Unit 800 Max 1-Hour NOx Lbs/Hr Limit 4.4	S-4:Unit 900 Max 1-Hour NOx Lbs/Hr Limit 4.4	S-1:Unit 600 Max 1-Hour NOx@15%O2 Limit 2.5	S-2:Unit 700 Max 1-Hour NOx@15%O2 Limit 2.5	S-3:Unit 800 Max 1-Hour NOx@15%O2 Limit 2.5	S-4:Unit 900 Max 1-Hour NOx@15%O2 Limit 2.5
07/01/2019 0:00	1.8	1.8	1.7	1.7	1.9	1.9	1.8	1.8
07/02/2019 0:00	1.9	1.8	1.8	1.9	1.9	1.9	1.9	1.9
07/03/2019 0:00	1.8	1.7	1.6	1.7	1.9	1.8	1.7	1.8
07/04/2019 0:00	1.8	1.8	3.0	3.0	1.8	1.8	1.8	1.8
07/05/2019 0:00	1.9	1.8	1.8	1.9	1.9	1.8	1.7	1.8
07/06/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
07/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
07/08/2019 0:00	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
07/09/2019 0:00	0.6	0.6	0.6	0.6	0.9	0.9	1.0	1.0
07/10/2019 0:00	0.2	0.2	0.2	0.2	0.6	0.5	0.6	0.6
07/11/2019 0:00	1.3	1.3	1.3	1.2	1.5	1.5	1.5	1.5
07/12/2019 0:00	2.0	2.1	1.9	2.0	1.9	1.9	1.9	1.9
07/13/2019 0:00	2.0	1.9	1.9	1.9	2.0	1.9	1.9	1.9
07/14/2019 0:00	1.8	1.8	1.7	1.9	1.8	1.8	1.7	1.8
07/15/2019 0:00	3.0	2.7	3.1	3.1	1.8	1.7	1.9	2.0
07/16/2019 0:00	2.0	1.9	1.9	1.9	2.0	1.9	1.9	1.8
07/17/2019 0:00	2.6	0.0	2.1	0.1	2.0	0.2	1.9	0.3
07/18/2019 0:00	1.7	1.4	1.3	1.7	1.6	1.4	1.3	1.6
07/19/2019 0:00	0.2	0.1	0.1	0.3	0.3	0.3	0.2	0.5
07/20/2019 0:00	Down	Down	0.1	Down	Down	Down	0.3	Down
07/21/2019 0:00	3.2	2.6	3.1	3.2	1.9	1.7	1.8	2.0
07/22/2019 0:00	3.4	3.0	3.1	3.1	2.1	1.9	1.9	1.9
07/23/2019 0:00	3.2	3.0	2.0	2.6	2.0	1.9	1.9	1.9
07/24/2019 0:00	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0
07/25/2019 0:00	1.9	1.9	2.2	2.9	2.0	2.0	1.9	1.9
07/26/2019 0:00	3.2	3.1	3.2	3.7	1.9	1.9	2.0	2.2
07/27/2019 0:00	3.2	2.7	3.0	3.0	2.0	1.9	1.8	1.9
07/28/2019 0:00	1.8	1.8	1.8	1.9	1.9	1.9	1.8	1.8
07/29/2019 0:00	2.2	2.0	2.0	2.2	1.9	1.9	2.0	2.0
07/30/2019 0:00	1.9	1.2	1.9	1.8	2.0	1.2	1.9	1.9
07/31/2019 0:00	1.4	0.9	2.2	2.3	1.2	0.8	1.7	1.7
08/01/2019 0:00	1.8	1.8	2.1	2.0	1.9	1.9	1.9	1.9
08/02/2019 0:00	1.9	1.8	1.8	1.8	1.9	1.9	1.8	1.8
08/03/2019 0:00	2.0	1.9	1.9	2.1	1.6	1.7	1.7	1.7
08/04/2019 0:00	2.0	1.9	1.9	2.0	1.8	1.8	1.7	1.8
08/05/2019 0:00	2.8	2.4	2.7	2.9	1.9	1.6	1.8	2.0
08/06/2019 0:00	1.9	1.8	1.8	1.8	1.9	1.8	1.8	1.8
08/07/2019 0:00	1.7	1.6	1.7	1.7	1.8	1.7	1.8	1.7
08/08/2019 0:00	1.7	1.7	1.6	1.6	1.7	1.7	1.7	1.7
08/09/2019 0:00	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8
08/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
08/11/2019 0:00	1.7	1.7	1.5	1.7	1.8	1.8	1.5	1.7
08/12/2019 0:00	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.8
08/13/2019 0:00	3.0	2.4	2.8	2.9	1.8	1.8	1.8	1.8
08/14/2019 0:00	2.2	2.2	2.3	2.3	1.9	1.8	1.8	1.8
08/15/2019 0:00	1.8	1.8	1.8	2.0	1.8	1.7	1.8	1.8

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour NOx Lbs/Hr Limit 4.4	S-2:Unit 700 Max 1-Hour NOx Lbs/Hr Limit 4.4	S-3:Unit 800 Max 1-Hour NOx Lbs/Hr Limit 4.4	S-4:Unit 900 Max 1-Hour NOx Lbs/Hr Limit 4.4	S-1:Unit 600 Max 1-Hour NOx@15%O2 Limit 2.5	S-2:Unit 700 Max 1-Hour NOx@15%O2 Limit 2.5	S-3:Unit 800 Max 1-Hour NOx@15%O2 Limit 2.5	S-4:Unit 900 Max 1-Hour NOx@15%O2 Limit 2.5
08/16/2019 0:00	1.8	1.7	1.8	1.8	1.8	1.8	1.8	1.8
08/17/2019 0:00	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8
08/18/2019 0:00	2.2	1.6	2.1	2.4	1.6	1.2	1.5	1.8
08/19/2019 0:00	3.4	2.9	3.1	2.6	2.0	1.8	2.0	1.9
08/20/2019 0:00	1.7	1.7	1.8	1.7	1.8	1.8	1.8	1.8
08/21/2019 0:00	1.7	1.7	1.7	1.8	1.8	1.9	1.8	1.8
08/22/2019 0:00	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8
08/23/2019 0:00	1.7	1.7	1.6	1.7	1.7	1.8	1.7	1.7
08/24/2019 0:00	2.0	1.8	1.8	2.2	1.7	1.6	1.6	1.9
08/25/2019 0:00	2.3	2.0	0.0	2.5	1.8	1.6	0.1	2.0
08/26/2019 0:00	2.2	2.3	1.9	2.6	1.7	1.8	1.6	2.0
08/27/2019 0:00	2.3	2.4	3.0	2.1	1.8	1.9	2.0	2.0
08/28/2019 0:00	1.8	1.7	1.7	1.8	1.8	1.8	1.8	1.9
08/29/2019 0:00	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8
08/30/2019 0:00	1.8	1.8	1.8	1.9	1.8	1.8	1.8	1.9
08/31/2019 0:00	1.8	1.8	1.8	1.8	1.9	1.8	1.8	1.8
09/01/2019 0:00	2.8	2.3	0.4	2.8	1.9	1.6	0.7	2.0
09/02/2019 0:00	3.3	3.2	3.0	3.0	2.0	2.0	1.8	2.2
09/03/2019 0:00	2.1	2.3	2.1	2.2	1.8	1.8	1.8	1.9
09/04/2019 0:00	3.6	3.2	3.3	3.4	2.2	2.0	2.0	2.1
09/05/2019 0:00	3.0	2.9	3.2	3.1	2.0	1.8	2.0	1.9
09/06/2019 0:00	1.9	1.8	1.9	1.9	1.9	1.8	1.9	1.9
09/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/08/2019 0:00	1.7	1.7	1.5	1.7	1.8	1.8	1.6	1.8
09/09/2019 0:00	1.7	1.7	1.6	1.7	1.8	1.8	1.7	1.8
09/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/11/2019 0:00	0.2	0.2	0.2	0.2	0.6	0.5	0.6	0.6
09/12/2019 0:00	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8
09/13/2019 0:00	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
09/14/2019 0:00	0.8	0.6	0.3	1.3	0.7	0.5	0.5	1.2
09/15/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/17/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/18/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/20/2019 0:00	1.6	1.6	1.5	1.7	1.7	1.7	1.6	1.7
09/21/2019 0:00	1.5	1.5	1.6	1.5	1.6	1.6	1.7	1.6
09/22/2019 0:00	1.9	1.9	1.7	2.2	1.7	1.6	1.5	1.8
09/23/2019 0:00	1.8	1.7	1.8	1.8	1.8	1.8	1.8	1.8
09/24/2019 0:00	0.6	0.4	0.6	0.7	0.7	0.5	0.7	0.9
09/25/2019 0:00	3.0	2.9	3.3	3.0	1.8	1.8	2.0	1.9
09/26/2019 0:00	1.8	1.8	1.7	1.7	1.8	1.8	1.8	1.8
09/27/2019 0:00	Down	Down	0.2	0.3	Down	Down	0.6	0.7
09/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/30/2019 0:00	1.6	1.4	1.5	1.7	1.6	1.5	1.4	1.7

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour NOx Lbs/Hr Limit 4.4	S-2:Unit 700 Max 1-Hour NOx Lbs/Hr Limit 4.4	S-3:Unit 800 Max 1-Hour NOx Lbs/Hr Limit 4.4	S-4:Unit 900 Max 1-Hour NOx Lbs/Hr Limit 4.4	S-1:Unit 600 Max 1-Hour NOx@15%O2 Limit 2.5	S-2:Unit 700 Max 1-Hour NOx@15%O2 Limit 2.5	S-3:Unit 800 Max 1-Hour NOx@15%O2 Limit 2.5	S-4:Unit 900 Max 1-Hour NOx@15%O2 Limit 2.5
Total:								
Average:	2.0	1.8	1.8	2.0	1.7	1.6	1.6	1.7
Maximum:	3.6	3.2	3.3	3.7	2.2	2.0	2.0	2.2
Minimum:	0.2	0.0	0.0	0.1	0.3	0.2	0.1	0.3

Attachment 8

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

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour CO Lbs/Hr Limit 2.14	S-2:Unit 700 Max 1-Hour CO Lbs/Hr Limit 2.14	S-3:Unit 800 Max 1-Hour CO Lbs/Hr Limit 2.14	S-4:Unit 900 Max 1-Hour CO Lbs/Hr Limit 2.14	S-1:Unit 600 Max 3-Hour CO@15%O2 Limit 2.0	S-2:Unit 700 Max 3-Hour CO@15%O2 Limit 2.0	S-3:Unit 800 Max 3-Hour CO@15%O2 Limit 2.0	S-4:Unit 900 Max 3-Hour CO@15%O2 Limit 2.0
07/01/2019 0:00	0.92	0.95	0.88	0.88	0.7	0.7	0.7	0.6
07/02/2019 0:00	0.87	0.92	0.89	0.99	0.9	0.9	0.9	1.0
07/03/2019 0:00	0.89	0.91	0.89	0.85	0.6	0.7	0.7	0.6
07/04/2019 0:00	0.94	0.92	1.48	1.54	0.7	0.7	0.7	0.8
07/05/2019 0:00	0.96	0.87	0.91	0.92	0.8	0.7	0.7	0.7
07/06/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
07/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
07/08/2019 0:00	1.32	1.31	1.34	1.23	1.2	1.2	1.2	1.1
07/09/2019 0:00	0.36	0.34	0.33	0.34	0.3	0.3	0.3	0.3
07/10/2019 0:00	0.11	0.14	0.14	0.14	0.2	0.2	0.2	0.2
07/11/2019 0:00	0.64	0.74	0.74	0.66	0.6	0.6	0.6	0.6
07/12/2019 0:00	1.01	1.01	0.87	1.05	1.3	1.2	1.3	1.6
07/13/2019 0:00	0.91	0.88	0.76	0.68	1.2	1.1	1.0	0.8
07/14/2019 0:00	0.99	0.75	0.86	0.84	0.8	0.6	0.7	0.6
07/15/2019 0:00	1.67	1.24	1.18	1.42	1.3	0.8	1.0	1.1
07/16/2019 0:00	0.99	0.88	0.92	1.05	1.2	1.1	1.2	1.2
07/17/2019 0:00	1.54	0.03	1.23	0.03	1.4	0.1	1.5	0.1
07/18/2019 0:00	0.96	0.91	0.94	0.97	0.6	0.6	0.6	0.6
07/19/2019 0:00	0.33	0.24	0.31	0.18	0.3	0.2	0.3	0.2
07/20/2019 0:00	Down	Down	0.14	Down	Down	Down	0.2	Down
07/21/2019 0:00	1.53	1.48	1.57	1.59	1.6	1.5	1.6	1.5
07/22/2019 0:00	1.62	1.48	1.58	1.64	1.5	1.5	1.6	1.5
07/23/2019 0:00	1.73	1.45	1.48	1.35	1.6	1.6	1.6	1.5
07/24/2019 0:00	0.95	1.02	0.95	1.00	1.5	1.5	1.5	1.6
07/25/2019 0:00	1.01	0.99	1.17	1.43	1.6	1.6	1.6	1.6
07/26/2019 0:00	1.85	1.80	1.81	1.90	1.8	1.8	1.8	1.7
07/27/2019 0:00	1.75	1.68	1.64	1.63	1.7	1.5	1.6	1.6
07/28/2019 0:00	1.06	1.06	1.00	1.08	1.6	1.6	1.5	1.6
07/29/2019 0:00	1.24	1.25	1.17	1.31	1.6	1.6	1.6	1.6
07/30/2019 0:00	0.94	0.90	0.79	1.00	1.3	1.2	1.0	1.3
07/31/2019 0:00	1.26	1.14	0.86	0.90	1.4	1.4	1.1	1.2
08/01/2019 0:00	1.07	1.01	0.84	0.98	1.4	1.4	1.4	1.5
08/02/2019 0:00	1.01	0.91	0.95	1.01	1.4	1.2	1.2	1.3
08/03/2019 0:00	1.17	1.20	1.08	1.12	1.6	1.6	1.5	1.6
08/04/2019 0:00	1.16	1.06	1.14	1.11	1.6	1.6	1.6	1.6
08/05/2019 0:00	1.68	1.60	1.70	1.73	1.6	1.6	1.7	1.7
08/06/2019 0:00	0.97	0.93	0.97	0.97	1.5	1.5	1.5	1.5
08/07/2019 0:00	0.97	0.99	0.99	0.98	1.3	1.2	1.3	1.2
08/08/2019 0:00	0.93	0.90	0.94	0.93	1.3	1.2	1.2	1.3
08/09/2019 0:00	0.82	0.75	0.79	0.91	1.1	1.0	1.0	1.1
08/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
08/11/2019 0:00	0.91	0.89	0.73	0.89	0.8	0.8	0.6	0.8
08/12/2019 0:00	0.86	0.82	0.92	0.99	1.3	1.2	1.3	1.4
08/13/2019 0:00	1.82	1.67	1.78	1.72	1.7	1.7	1.7	1.7
08/14/2019 0:00	1.37	1.33	1.19	1.30	1.6	1.6	1.5	1.5
08/15/2019 0:00	1.41	1.05	1.02	1.05	1.6	1.5	1.5	1.6

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour CO Lbs/Hr Limit 2.14	S-2:Unit 700 Max 1-Hour CO Lbs/Hr Limit 2.14	S-3:Unit 800 Max 1-Hour CO Lbs/Hr Limit 2.14	S-4:Unit 900 Max 1-Hour CO Lbs/Hr Limit 2.14	S-1:Unit 600 Max 3-Hour CO@15%O2 Limit 2.0	S-2:Unit 700 Max 3-Hour CO@15%O2 Limit 2.0	S-3:Unit 800 Max 3-Hour CO@15%O2 Limit 2.0	S-4:Unit 900 Max 3-Hour CO@15%O2 Limit 2.0
08/16/2019 0:00	1.06	0.76	0.84	0.98	1.7	1.2	1.4	1.5
08/17/2019 0:00	0.98	0.94	0.75	0.80	1.4	1.2	1.0	1.1
08/18/2019 0:00	1.25	0.52	1.01	0.95	0.8	0.4	0.6	0.6
08/19/2019 0:00	1.70	1.52	1.40	1.16	1.5	0.7	1.2	0.8
08/20/2019 0:00	0.97	0.89	0.94	1.03	1.6	1.4	1.5	1.6
08/21/2019 0:00	0.94	0.90	0.77	0.97	1.1	1.0	0.9	1.0
08/22/2019 0:00	0.94	0.94	0.81	0.95	1.3	1.2	1.1	1.2
08/23/2019 0:00	0.96	0.98	0.88	0.96	1.3	1.3	1.2	1.3
08/24/2019 0:00	1.27	1.34	1.20	1.35	1.3	1.3	1.2	1.3
08/25/2019 0:00	1.44	1.16	0.00	1.19	1.6	1.4	0.0	1.6
08/26/2019 0:00	1.25	1.17	1.27	1.26	1.5	1.3	1.5	1.6
08/27/2019 0:00	1.47	1.37	1.48	1.19	1.5	1.4	1.5	1.6
08/28/2019 0:00	0.98	1.00	1.04	0.92	1.6	1.6	1.7	1.5
08/29/2019 0:00	0.96	0.97	0.70	1.00	1.4	1.3	1.0	1.4
08/30/2019 0:00	1.05	1.02	0.94	0.98	1.7	1.6	1.5	1.6
08/31/2019 0:00	1.00	1.05	1.02	0.98	1.4	1.4	1.4	1.3
09/01/2019 0:00	1.39	1.52	0.29	1.41	1.6	1.6	0.3	0.9
09/02/2019 0:00	1.73	1.03	1.50	1.31	1.7	1.6	1.6	1.6
09/03/2019 0:00	1.13	1.32	1.16	1.34	1.5	1.6	1.6	1.7
09/04/2019 0:00	1.79	1.73	1.69	1.70	1.8	1.6	1.7	1.7
09/05/2019 0:00	1.58	1.70	1.74	1.62	1.8	1.6	1.6	1.6
09/06/2019 0:00	1.01	0.97	0.95	1.01	1.5	1.5	1.6	1.6
09/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/08/2019 0:00	0.75	0.68	0.70	0.71	0.6	0.6	0.6	0.6
09/09/2019 0:00	0.89	0.70	0.67	0.85	0.8	0.6	0.6	0.7
09/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/11/2019 0:00	0.11	0.12	0.12	0.13	0.2	0.2	0.2	0.2
09/12/2019 0:00	1.03	0.94	0.97	0.98	1.3	1.2	1.3	1.2
09/13/2019 0:00	0.92	0.89	1.01	0.91	1.5	1.3	1.6	1.4
09/14/2019 0:00	1.08	0.90	0.29	0.84	0.7	0.6	0.3	0.6
09/15/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/17/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/18/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/20/2019 0:00	0.96	0.84	0.93	0.93	0.8	0.7	0.7	0.7
09/21/2019 0:00	0.97	0.89	0.97	0.92	1.0	0.9	1.0	0.9
09/22/2019 0:00	1.11	1.19	1.13	1.16	1.4	1.3	1.4	1.4
09/23/2019 0:00	0.98	1.00	0.95	1.01	1.5	1.4	1.4	1.5
09/24/2019 0:00	0.82	0.45	0.74	0.67	0.5	0.3	0.5	0.5
09/25/2019 0:00	1.72	1.26	1.62	1.64	1.8	1.3	1.7	1.6
09/26/2019 0:00	1.08	0.73	0.91	0.91	1.2	0.8	0.8	0.8
09/27/2019 0:00	Down	Down	0.10	0.13	Down	Down	0.3	0.4
09/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/30/2019 0:00	0.92	0.91	0.88	0.88	0.7	0.6	0.6	0.6

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour CO Lbs/Hr Limit 2.14	S-2:Unit 700 Max 1-Hour CO Lbs/Hr Limit 2.14	S-3:Unit 800 Max 1-Hour CO Lbs/Hr Limit 2.14	S-4:Unit 900 Max 1-Hour CO Lbs/Hr Limit 2.14	S-1:Unit 600 Max 3-Hour CO@15%O2 Limit 2.0	S-2:Unit 700 Max 3-Hour CO@15%O2 Limit 2.0	S-3:Unit 800 Max 3-Hour CO@15%O2 Limit 2.0	S-4:Unit 900 Max 3-Hour CO@15%O2 Limit 2.0
Total:								
Average:	1.11	1.01	0.98	1.04	1.3	1.1	1.1	1.2
Maximum:	1.85	1.80	1.81	1.90	1.8	1.8	1.8	1.7
Minimum:	0.11	0.03	0.00	0.03	0.2	0.1	0.0	0.1

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 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

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

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

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

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 3-Hour NH3@15%O2 Limit 5	S-2:Unit 700 Max 3-Hour NH3@15%O2 Limit 5	S-3:Unit 800 Max 3-Hour NH3@15%O2 Limit 5	S-4:Unit 900 Max 3-Hour NH3@15%O2 Limit 5				
Total:								
Average:	1	1	1	1				
Maximum:	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 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour POC Lbs/Hr Limit 0.612	S-2:Unit 700 Max 1-Hour POC Lbs/Hr Limit 0.612	S-3:Unit 800 Max 1-Hour POC Lbs/Hr Limit 0.612	S-4:Unit 900 Max 1-Hour POC Lbs/Hr Limit 0.612	S-1:Unit 600 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-2:Unit 700 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-3:Unit 800 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-4:Unit 900 Max 1-Hour SO2 Lbs/Hr Limit 1.347
07/01/2019 0:00	0.016	0.018	0.026	0.016	0.159	0.105	0.130	0.080
07/02/2019 0:00	0.016	0.018	0.026	0.016	0.160	0.105	0.131	0.081
07/03/2019 0:00	0.016	0.018	0.026	0.016	0.161	0.105	0.130	0.080
07/04/2019 0:00	0.022	0.025	0.045	0.027	0.221	0.145	0.226	0.134
07/05/2019 0:00	0.016	0.019	0.027	0.017	0.163	0.109	0.137	0.083
07/06/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
07/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
07/08/2019 0:00	0.019	0.022	0.032	0.019	0.188	0.126	0.158	0.097
07/09/2019 0:00	0.016	0.019	0.027	0.017	0.163	0.109	0.136	0.083
07/10/2019 0:00	0.012	0.015	0.021	0.013	0.123	0.084	0.103	0.064
07/11/2019 0:00	0.014	0.017	0.024	0.014	0.135	0.096	0.119	0.069
07/12/2019 0:00	0.018	0.022	0.028	0.017	0.184	0.125	0.138	0.083
07/13/2019 0:00	0.016	0.019	0.027	0.017	0.164	0.109	0.137	0.083
07/14/2019 0:00	0.016	0.019	0.027	0.017	0.163	0.108	0.134	0.083
07/15/2019 0:00	0.027	0.030	0.044	0.026	0.265	0.173	0.219	0.129
07/16/2019 0:00	0.016	0.019	0.027	0.017	0.163	0.108	0.133	0.083
07/17/2019 0:00	0.024	0.011	0.041	0.010	0.243	0.063	0.205	0.049
07/18/2019 0:00	0.017	0.020	0.029	0.018	0.174	0.113	0.146	0.088
07/19/2019 0:00	0.015	0.019	0.026	0.016	0.154	0.108	0.131	0.082
07/20/2019 0:00	Down	Down	0.025	Down	Down	Down	0.126	Down
07/21/2019 0:00	0.027	0.031	0.045	0.027	0.271	0.177	0.226	0.135
07/22/2019 0:00	0.027	0.031	0.045	0.027	0.269	0.176	0.223	0.134
07/23/2019 0:00	0.027	0.031	0.038	0.024	0.273	0.178	0.190	0.120
07/24/2019 0:00	0.016	0.019	0.027	0.017	0.164	0.109	0.137	0.085
07/25/2019 0:00	0.016	0.019	0.032	0.025	0.164	0.109	0.161	0.125
07/26/2019 0:00	0.027	0.031	0.045	0.027	0.271	0.177	0.226	0.134
07/27/2019 0:00	0.027	0.031	0.045	0.027	0.268	0.177	0.224	0.134
07/28/2019 0:00	0.018	0.021	0.030	0.018	0.177	0.118	0.148	0.089
07/29/2019 0:00	0.021	0.025	0.035	0.021	0.213	0.142	0.173	0.107
07/30/2019 0:00	0.016	0.018	0.027	0.016	0.159	0.105	0.134	0.080
07/31/2019 0:00	0.021	0.024	0.035	0.021	0.211	0.138	0.176	0.107
08/01/2019 0:00	0.021	0.024	0.034	0.021	0.207	0.138	0.172	0.103
08/02/2019 0:00	0.016	0.019	0.027	0.016	0.160	0.107	0.133	0.081
08/03/2019 0:00	0.020	0.023	0.032	0.020	0.200	0.131	0.160	0.098
08/04/2019 0:00	0.020	0.024	0.034	0.021	0.203	0.135	0.168	0.103
08/05/2019 0:00	0.025	0.029	0.041	0.025	0.247	0.164	0.205	0.123
08/06/2019 0:00	0.020	0.023	0.035	0.021	0.201	0.130	0.173	0.103
08/07/2019 0:00	0.016	0.018	0.026	0.016	0.157	0.105	0.132	0.080
08/08/2019 0:00	0.016	0.018	0.026	0.016	0.156	0.103	0.129	0.078
08/09/2019 0:00	0.016	0.018	0.026	0.016	0.156	0.104	0.130	0.079
08/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
08/11/2019 0:00	0.016	0.018	0.026	0.016	0.158	0.105	0.128	0.080
08/12/2019 0:00	0.017	0.019	0.027	0.016	0.169	0.106	0.133	0.081
08/13/2019 0:00	0.026	0.030	0.045	0.027	0.264	0.174	0.226	0.134
08/14/2019 0:00	0.021	0.025	0.035	0.022	0.214	0.143	0.177	0.108
08/15/2019 0:00	0.021	0.025	0.035	0.021	0.212	0.141	0.176	0.107

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour POC Lbs/Hr Limit 0.612	S-2:Unit 700 Max 1-Hour POC Lbs/Hr Limit 0.612	S-3:Unit 800 Max 1-Hour POC Lbs/Hr Limit 0.612	S-4:Unit 900 Max 1-Hour POC Lbs/Hr Limit 0 612	S-1:Unit 600 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-2:Unit 700 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-3:Unit 800 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-4:Unit 900 Max 1-Hour SO2 Lbs/Hr Limit 1.347
08/16/2019 0:00	0.016	0.019	0.027	0.016	0.161	0.107	0.134	0.082
08/17/2019 0:00	0.015	0.018	0.026	0.016	0.154	0.102	0.128	0.078
08/18/2019 0:00	0.025	0.029	0.042	0.025	0.251	0.166	0.209	0.124
08/19/2019 0:00	0.027	0.031	0.042	0.024	0.269	0.177	0.210	0.119
08/20/2019 0:00	0.024	0.027	0.038	0.022	0.238	0.157	0.188	0.112
08/21/2019 0:00	0.016	0.018	0.026	0.016	0.157	0.105	0.130	0.080
08/22/2019 0:00	0.016	0.018	0.026	0.016	0.157	0.105	0.130	0.080
08/23/2019 0:00	0.016	0.019	0.027	0.016	0.162	0.108	0.136	0.082
08/24/2019 0:00	0.019	0.022	0.032	0.020	0.193	0.128	0.161	0.098
08/25/2019 0:00	0.026	0.029	0.012	0.025	0.258	0.168	0.061	0.127
08/26/2019 0:00	0.022	0.025	0.036	0.022	0.216	0.143	0.178	0.108
08/27/2019 0:00	0.022	0.026	0.041	0.018	0.223	0.148	0.207	0.088
08/28/2019 0:00	0.016	0.019	0.026	0.016	0.158	0.106	0.132	0.081
08/29/2019 0:00	0.016	0.018	0.026	0.016	0.157	0.105	0.132	0.080
08/30/2019 0:00	0.021	0.024	0.034	0.021	0.214	0.140	0.171	0.105
08/31/2019 0:00	0.016	0.019	0.027	0.016	0.164	0.109	0.135	0.082
09/01/2019 0:00	0.023	0.027	0.029	0.023	0.233	0.155	0.144	0.115
09/02/2019 0:00	0.026	0.030	0.044	0.026	0.261	0.172	0.218	0.129
09/03/2019 0:00	0.021	0.024	0.035	0.021	0.209	0.140	0.175	0.106
09/04/2019 0:00	0.027	0.031	0.044	0.027	0.268	0.179	0.222	0.134
09/05/2019 0:00	0.026	0.031	0.045	0.026	0.260	0.175	0.225	0.132
09/06/2019 0:00	0.016	0.019	0.027	0.016	0.161	0.107	0.134	0.082
09/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/08/2019 0:00	0.016	0.019	0.027	0.016	0.160	0.107	0.133	0.081
09/09/2019 0:00	0.016	0.019	0.027	0.016	0.159	0.109	0.134	0.081
09/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/11/2019 0:00	0.012	0.014	0.020	0.012	0.119	0.082	0.100	0.060
09/12/2019 0:00	0.019	0.019	0.027	0.016	0.195	0.106	0.133	0.080
09/13/2019 0:00	0.016	0.019	0.027	0.017	0.163	0.108	0.136	0.083
09/14/2019 0:00	0.020	0.023	0.029	0.020	0.197	0.132	0.147	0.100
09/15/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/17/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/18/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/20/2019 0:00	0.016	0.018	0.026	0.016	0.156	0.104	0.130	0.080
09/21/2019 0:00	0.016	0.019	0.028	0.016	0.164	0.111	0.140	0.082
09/22/2019 0:00	0.019	0.023	0.032	0.020	0.192	0.129	0.162	0.098
09/23/2019 0:00	0.017	0.020	0.028	0.017	0.171	0.114	0.141	0.087
09/24/2019 0:00	0.014	0.016	0.023	0.013	0.139	0.094	0.115	0.065
09/25/2019 0:00	0.027	0.031	0.044	0.026	0.266	0.175	0.221	0.131
09/26/2019 0:00	0.016	0.019	0.026	0.016	0.164	0.110	0.132	0.078
09/27/2019 0:00	Down	Down	0.027	0.017	Down	Down	0.136	0.084
09/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down
09/30/2019 0:00	0.017	0.020	0.029	0.017	0.171	0.114	0.143	0.086

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour POC Lbs/Hr Limit 0.612	S-2:Unit 700 Max 1-Hour POC Lbs/Hr Limit 0.612	S-3:Unit 800 Max 1-Hour POC Lbs/Hr Limit 0.612	S-4:Unit 900 Max 1-Hour POC Lbs/Hr Limit 0.612	S-1:Unit 600 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-2:Unit 700 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-3:Unit 800 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-4:Unit 900 Max 1-Hour SO2 Lbs/Hr Limit 1.347
Total:								
Average:	0.019	0.022	0.031	0.019	0.193	0.127	0.157	0.096
Maximum:	0.027	0.031	0.045	0.027	0.273	0.179	0.226	0.135
Minimum:	0.012	0.011	0.012	0.010	0.119	0.063	0.061	0.049

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 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14 2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18 5	Max CO Lbs Startup Limit 14 1	Max CO Lbs Shutdown Limit 2 7	Max CO Lbs/Hr Limit 17 3	Max POC Lbs Startup Limit 1.1	Max POC Lbs Shutdown Limit 0 12	Max POC Lbs/Hr Limit 1 4
07/01/2019 0 00	5 5	1 2	6 1	0 5	0 2	0 8	0 0	0 00	0 0
07/02/2019 0 00	5 5	1 2	5 8	0 4	0 1	0 7	0 0	0 00	0 0
07/03/2019 0 00	5 3	1 0	5 7	1 0	0 2	1 3	0 0	0 00	0 0
07/04/2019 0 00	6 8	0 9	7 5	1 3	0 2	1 7	0 0	0 00	0 0
07/05/2019 0 00	5 5	1 0	6 0	0 9	0 2	1 3	0 0	0 00	0 0
07/06/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
07/07/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
07/08/2019 0 00	5 6	0 9	6 1	1 2	0 2	1 5	0 0	0 00	0 0
07/09/2019 0 00	7 0	1 2	7 4	0 5	0 2	0 8	0 0	0 00	0 0
07/10/2019 0 00	5 8	0 8	6 3	0 5	0 2	0 7	0 0	0 00	0 0
07/11/2019 0 00	5 6	0 9	6 0	1 6	0 2	1 9	0 0	0 00	0 0
07/12/2019 0 00	5 2	1 1	5 8	0 5	0 2	0 9	0 0	0 00	0 0
07/13/2019 0 00	5 6	1 0	6 2	0 5	0 2	0 8	0 0	0 00	0 0
07/14/2019 0 00	5 4	1 1	5 9	0 5	0 2	0 8	0 0	0 00	0 0
07/15/2019 0 00	5 3	0 6	5 6	0 5	0 2	0 9	0 0	0 00	0 0
07/16/2019 0 00	5 9	0 8	6 4	0 6	0 2	0 9	0 0	0 00	0 0
07/17/2019 0 00	6 2	1 0	7 0	0 7	0 2	1 0	0 0	0 00	0 0
07/18/2019 0 00	5 5	1 1	6 1	0 6	0 2	0 9	0 0	0 00	0 0
07/19/2019 0 00	5 3	0 4	5 5	1 1	0 2	1 3	0 0	0 00	0 0
07/20/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
07/21/2019 0 00	5 4	0 1	6 4	1 4	0 3	1 9	0 0	0 00	0 0
07/22/2019 0 00	4 3	1 0	4 9	0 4	0 2	0 8	0 0	0 00	0 0
07/23/2019 0 00	5 7	1 4	6 3	0 4	0 3	0 7	0 0	0 00	0 0
07/24/2019 0 00	5 2	1 3	5 8	1 5	0 2	1 8	0 0	0 00	0 0
07/25/2019 0 00	4 9	1 3	5 5	0 5	0 3	0 8	0 0	0 00	0 0
07/26/2019 0 00	5 6	1 0	6 5	1 5	0 3	2 2	0 0	0 00	0 0
07/27/2019 0 00	4 5	1 2	4 9	1 3	0 2	1 8	0 0	0 00	0 0
07/28/2019 0 00	5 2	1 0	5 7	0 6	0 2	1 3	0 0	0 00	0 0
07/29/2019 0 00	5 5	1 0	5 9	1 3	0 2	1 7	0 0	0 00	0 0
07/30/2019 0 00	5 3	1 2	5 7	1 2	0 2	1 6	0 0	0 00	0 0
07/31/2019 0 00	5 1	0 3	5 5	1 2	0 2	1 6	0 0	0 00	0 0
08/01/2019 0 00	5 6	0 2	6 1	1 2	0 2	1 5	0 0	0 00	0 0

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

Unit Name: Mariposa Unit 600

Report Start Date/Time : Mon 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14 2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14 1	Max CO Lbs Shutdown Limit 2 7	Max CO Lbs/Hr Limit 17 3	Max POC Lbs Startup Limit 1 1	Max POC Lbs Shutdown Limit 0 12	Max POC Lbs/Hr Limit 1 4
08/02/2019 0 00	5 3	1 1	5 7	1 2	0 2	1 6	0 0	0 00	0 0
08/03/2019 0 00	5 5	1 1	5 8	1 4	0 2	1 7	0 0	0 00	0 0
08/04/2019 0 00	5 0	1 0	5 4	1 1	0 2	1 5	0 0	0 00	0 0
08/05/2019 0 00	6 2	1 2	6 7	0 5	0 5	0 8	0 0	0 00	0 0
08/06/2019 0 00	5 7	1 1	7 1	1 4	0 2	2 2	0 0	0 00	0 0
08/07/2019 0 00	6 7	1 1	6 9	1 1	0 2	1 4	0 0	0 00	0 0
08/08/2019 0 00	6 3	1 1	6 6	0 7	0 2	1 0	0 0	0 00	0 0
08/09/2019 0 00	5 3	1 0	5 7	0 6	0 2	0 9	0 0	0 00	0 0
08/10/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
08/11/2019 0 00	5 6	1 0	6 0	0 5	0 2	0 7	0 0	0 00	0 0
08/12/2019 0 00	6 3	1 3	7 0	0 7	0 1	1 1	0 0	0 00	0 0
08/13/2019 0 00	5 4	0 7	6 4	1 7	0 3	2 2	0 0	0 00	0 0
08/14/2019 0 00	4 9	1 4	5 2	0 6	0 2	0 9	0 0	0 00	0 0
08/15/2019 0 00	4 7	0 4	5 0	1 3	0 1	1 5	0 0	0 00	0 0
08/16/2019 0 00	5 1	1 3	5 5	0 5	0 2	0 9	0 0	0 00	0 0
08/17/2019 0 00	5 2	0 9	5 6	0 6	0 2	0 9	0 0	0 00	0 0
08/18/2019 0 00	5 3	0 6	6 3	1 3	0 3	1 8	0 0	0 00	0 0
08/19/2019 0 00	5 6	0 8	6 7	0 4	0 2	0 9	0 0	0 00	0 0
08/20/2019 0 00	6 6	0 8	7 2	1 3	0 3	1 9	0 0	0 00	0 0
08/21/2019 0 00	5 5	1 1	5 7	0 8	0 2	1 1	0 0	0 00	0 0
08/22/2019 0 00	4 9	1 2	5 3	0 9	0 2	1 3	0 0	0 00	0 0
08/23/2019 0 00	7 1	1 1	7 4	0 9	0 2	1 1	0 0	0 00	0 0
08/24/2019 0 00	5 1	1 1	5 5	0 8	0 2	1 1	0 0	0 00	0 0
08/25/2019 0 00	6 8	1 0	7 8	0 8	0 2	1 3	0 0	0 00	0 0
08/26/2019 0 00	5 0	1 0	5 4	0 7	0 1	1 0	0 0	0 00	0 0
08/27/2019 0 00	6 0	0 2	6 5	0 7	0 1	0 9	0 0	0 00	0 0
08/28/2019 0 00	5 6	0 8	6 0	0 5	0 2	0 8	0 0	0 00	0 0
08/29/2019 0 00	6 2	1 0	6 6	1 3	0 2	1 6	0 0	0 00	0 0
08/30/2019 0 00	5 3	1 0	5 9	1 6	0 2	1 9	0 0	0 00	0 0
08/31/2019 0 00	5 5	1 1	6 0	1 3	0 2	1 6	0 0	0 00	0 0
09/01/2019 0 00	5 4	0 6	5 8	1 0	0 3	1 3	0 0	0 00	0 0
09/02/2019 0 00	6 6	0 9	7 7	0 5	0 2	1 3	0 0	0 00	0 0

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

Unit Name: Mariposa Unit 600

Report Start Date/Time : Mon 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14.2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2 7	Max CO Lbs/Hr Limit 17 3	Max POC Lbs Startup Limit 1 1	Max POC Lbs Shutdown Limit 0 12	Max POC Lbs/Hr Limit 1 4
09/03/2019 0 00	5 4	1 2	5 9	0 6	0 2	0 9	0 0	0 00	0 0
09/04/2019 0 00	7 0	1 0	8 2	0 8	0 3	1 3	0 0	0 00	0 0
09/05/2019 0 00	5 4	1 1	5 9	0 6	0 3	0 9	0 0	0 00	0 0
09/06/2019 0 00	5 3	0 9	5 9	0 6	0 2	0 9	0 0	0 00	0 0
09/07/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/08/2019 0 00	6 3	1 1	6 8	0 5	0 2	0 8	0 0	0 00	0 0
09/09/2019 0 00	6 5	1 0	6 7	0 8	0 2	0 9	0 0	0 00	0 0
09/10/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/11/2019 0 00	5 6	1 1	6 1	1 3	0 2	1 6	0 0	0 00	0 0
09/12/2019 0 00	5 7	0 9	6 3	1 7	0 2	2 1	0 0	0 00	0 0
09/13/2019 0 00	5 4	1 1	5 9	1 4	0 2	1 8	0 0	0 00	0 0
09/14/2019 0 00	5 6	0 6	6 0	0 5	0 1	1 0	0 0	0 00	0 0
09/15/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/16/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/17/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/18/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/19/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/20/2019 0 00	6 0	1 1	6 3	0 7	0 2	1 0	0 0	0 00	0 0
09/21/2019 0 00	5 3	1 2	5 7	1 2	0 2	1 6	0 0	0 00	0 0
09/22/2019 0 00	5 4	0 9	5 7	1 6	0 2	2 0	0 0	0 00	0 0
09/23/2019 0 00	5 4	1 2	5 8	0 5	0 1	0 7	0 0	0 00	0 0
09/24/2019 0 00	5 8	1 0	6 2	0 7	0 2	1 4	0 0	0 00	0 0
09/25/2019 0 00	5 3	0 3	5 9	0 8	0 1	1 2	0 0	0 00	0 0
09/26/2019 0 00	6 1	1 3	6 7	0 9	0 2	1 7	0 0	0 00	0 0
09/27/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/28/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/29/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/30/2019 0 00	6 3	1 0	6 8	0 5	0 2	0 7	0 0	0 00	0 0
Total:									
Average:	5 6	1 0	6 2	0 9	0 2	1 3	0 0	0 00	0 02
Maximum:	7 1	1 4	8 2	1 7	0 5	2 2	0 0	0 00	0 03
Minimum:	4 3	0 1	4 9	0 4	0 1	0 7	0 0	0 00	0 02

Unit Name: Mariposa Unit 700

Report Start Date/Time : Mon 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14 2	Max NOx Lbs Shutdown Limit 3 2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14 1	Max CO Lbs Shutdown Limit 2 7	Max CO Lbs/Hr Limit 17 3	Max POC Lbs Startup Limit 1 1	Max POC Lbs Shutdown Limit 0 12	Max POC Lbs/Hr Limit 1.4
07/01/2019 0 00	6 3	1 3	6 7	1 3	0 2	1 6	0 0	0 00	0 0
07/02/2019 0 00	6 2	1 2	6 6	0 3	0 2	0 6	0 0	0 00	0 0
07/03/2019 0 00	6 0	1 0	6 3	0 8	0 2	1 1	0 0	0 00	0 0
07/04/2019 0 00	7 7	1 0	8 2	1 1	0 2	1 4	0 0	0 00	0 0
07/05/2019 0 00	6 3	1 0	6 6	0 7	0 2	0 9	0 0	0 00	0 0
07/06/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
07/07/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
07/08/2019 0 00	6 4	0 9	6 6	0 8	0 2	1 1	0 0	0 00	0 0
07/09/2019 0 00	7 1	1 3	7 6	0 4	0 2	0 7	0 0	0 00	0 0
07/10/2019 0 00	6 4	1 2	6 8	1 4	0 2	1 7	0 0	0 00	0 0
07/11/2019 0 00	6 3	1 2	6 7	1 5	0 2	1 8	0 0	0 00	0 0
07/12/2019 0 00	5 8	0 8	6 1	0 5	0 2	0 8	0 0	0 00	0 0
07/13/2019 0 00	6 3	1 0	6 8	0 4	0 2	0 7	0 0	0 00	0 0
07/14/2019 0 00	6 4	1 0	6 8	0 4	0 2	0 7	0 0	0 00	0 0
07/15/2019 0 00	6 5	1 1	6 4	0 4	0 2	0 7	0 0	0 00	0 0
07/16/2019 0 00	6 5	0 9	6 9	0 5	0 2	0 7	0 0	0 00	0 0
07/17/2019 0 00	4 0	0 9	5 1	0 4	0 2	0 8	0 0	0 00	0 0
07/18/2019 0 00	6 2	1 0	6 6	1 4	0 2	1 7	0 0	0 00	0 0
07/19/2019 0 00	6 1	0 3	6 3	0 7	0 2	0 8	0 0	0 00	0 0
07/20/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
07/21/2019 0 00	6 0	0 2	6 7	1 1	0 2	1 6	0 0	0 00	0 0
07/22/2019 0 00	5 8	1 0	6 2	0 4	0 2	0 7	0 0	0 00	0 0
07/23/2019 0 00	5 8	1 4	6 3	0 7	0 3	1 0	0 0	0 00	0 0
07/24/2019 0 00	5 8	1 3	6 1	1 3	0 2	1 6	0 0	0 00	0 0
07/25/2019 0 00	5 8	1 1	6 1	0 6	0 2	0 9	0 0	0 00	0 0
07/26/2019 0 00	6 2	1 1	7 1	0 4	0 2	1 1	0 0	0 00	0 0
07/27/2019 0 00	7 5	1 3	8 1	0 4	0 2	0 9	0 0	0 00	0 0
07/28/2019 0 00	5 0	1 2	5 4	0 3	0 2	0 4	0 0	0 00	0 0
07/29/2019 0 00	6 0	1 1	6 3	0 4	0 2	0 7	0 0	0 00	0 0
07/30/2019 0 00	6 0	0 5	6 3	1 2	0 2	1 4	0 0	0 00	0 0
07/31/2019 0 00	5 5	0 2	5 8	0 8	0 2	1 1	0 0	0 00	0 0
08/01/2019 0 00	5 8	0 2	6 1	0 9	0 2	1 2	0 0	0 00	0 0

Unit Name: Mariposa Unit 700

Report Start Date/Time : Mon 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14 2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18 5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2 7	Max CO Lbs/Hr Limit 17 3	Max POC Lbs Startup Limit 1 1	Max POC Lbs Shutdown Limit 0 12	Max POC Lbs/Hr Limit 1 4
08/02/2019 0 00	5 9	1 2	6 2	1 0	0 2	1 3	0 0	0 00	0 0
08/03/2019 0 00	5 6	1 2	5 9	1 3	0 2	2 0	0 0	0 00	0 0
08/04/2019 0 00	5 7	1 2	6 0	0 9	0 2	1 2	0 0	0 00	0 0
08/05/2019 0 00	6 4	1 2	6 7	1 6	0 3	1 8	0 0	0 00	0 0
08/06/2019 0 00	7 2	1 2	8 2	2 0	0 2	2 6	0 0	0 00	0 0
08/07/2019 0 00	6 9	1 1	7 1	1 0	0 2	1 3	0 0	0 00	0 0
08/08/2019 0 00	6 8	1 2	7 0	1 5	0 2	1 8	0 0	0 00	0 0
08/09/2019 0 00	6 1	1 0	6 4	0 7	0 2	0 9	0 0	0 00	0 0
08/10/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
08/11/2019 0 00	5 8	0 9	6 0	1 2	0 2	1 5	0 0	0 00	0 0
08/12/2019 0 00	7 1	1 4	7 3	0 8	0 2	1 0	0 0	0 00	0 0
08/13/2019 0 00	6 0	0 8	7 0	0 6	0 2	1 1	0 0	0 00	0 0
08/14/2019 0 00	6 2	1 2	6 3	0 4	0 2	0 7	0 0	0 00	0 0
08/15/2019 0 00	5 2	0 3	5 5	1 3	0 1	1 6	0 0	0 00	0 0
08/16/2019 0 00	5 6	1 3	5 9	0 4	0 2	0 8	0 0	0 00	0 0
08/17/2019 0 00	5 9	1 0	6 5	0 5	0 2	0 8	0 0	0 00	0 0
08/18/2019 0 00	6 0	0 9	6 7	0 9	0 2	1 3	0 0	0 00	0 0
08/19/2019 0 00	6 1	0 9	6 9	0 4	0 2	0 9	0 0	0 00	0 0
08/20/2019 0 00	7 9	1 0	8 3	0 9	0 2	1 5	0 0	0 00	0 0
08/21/2019 0 00	5 8	1 0	6 1	0 6	0 2	0 9	0 0	0 00	0 0
08/22/2019 0 00	5 5	1 1	5 8	0 9	0 2	1 2	0 0	0 00	0 0
08/23/2019 0 00	7 6	1 2	7 8	1 0	0 2	1 1	0 0	0 00	0 0
08/24/2019 0 00	5 6	1 2	6 0	0 6	0 2	0 9	0 0	0 00	0 0
08/25/2019 0 00	7 7	1 1	8 5	0 6	0 2	1 1	0 0	0 00	0 0
08/26/2019 0 00	5 4	1 4	5 7	0 3	0 2	0 7	0 0	0 00	0 0
08/27/2019 0 00	6 0	0 4	6 5	0 5	0 2	0 8	0 0	0 00	0 0
08/28/2019 0 00	6 0	0 9	6 3	0 5	0 2	0 7	0 0	0 00	0 0
08/29/2019 0 00	6 7	1 1	7 1	1 0	0 2	1 2	0 0	0 00	0 0
08/30/2019 0 00	6 3	1 1	6 6	1 5	0 2	1 8	0 0	0 00	0 0
08/31/2019 0 00	6 5	1 2	6 8	0 8	0 2	1 0	0 0	0 00	0 0
09/01/2019 0 00	6 3	1 2	6 7	1 0	0 3	1 3	0 0	0 00	0 0
09/02/2019 0 00	6 5	0 9	7 4	0 5	0 2	1 1	0 0	0 00	0 0

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

Unit Name: Mariposa Unit 700

Report Start Date/Time : Mon 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14 2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14 1	Max CO Lbs Shutdown Limit 2 7	Max CO Lbs/Hr Limit 17 3	Max POC Lbs Startup Limit 1 1	Max POC Lbs Shutdown Limit 0 12	Max POC Lbs/Hr Limit 1 4
09/03/2019 0 00	5 9	1 3	6 3	0 5	0 3	0 8	0 0	0 00	0 0
09/04/2019 0 00	7 1	1 1	8 0	0 8	0 3	1 2	0 0	0 00	0 0
09/05/2019 0 00	6 1	1 1	6 5	0 4	0 3	0 6	0 0	0 00	0 0
09/06/2019 0 00	6 1	0 9	6 5	1 4	0 2	1 7	0 0	0 00	0 0
09/07/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/08/2019 0 00	6 7	1 1	7 1	0 4	0 2	0 6	0 0	0 00	0 0
09/09/2019 0 00	6 7	1 2	7 1	1 6	0 2	1 8	0 0	0 00	0 0
09/10/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/11/2019 0 00	5 8	1 2	6 3	0 9	0 2	1 2	0 0	0 00	0 0
09/12/2019 0 00	5 8	0 9	6 2	1 3	0 2	1 6	0 0	0 00	0 0
09/13/2019 0 00	5 5	1 1	5 9	1 3	0 2	1 6	0 0	0 00	0 0
09/14/2019 0 00	5 7	0 4	6 0	0 4	0 2	0 6	0 0	0 00	0 0
09/15/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/16/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/17/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/18/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/19/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/20/2019 0 00	6 3	1 2	6 6	0 5	0 2	0 8	0 0	0 00	0 0
09/21/2019 0 00	6 1	1 3	6 6	0 9	0 2	1 2	0 0	0 00	0 0
09/22/2019 0 00	6 2	1 1	6 5	1 3	0 2	1 5	0 0	0 00	0 0
09/23/2019 0 00	5 7	1 3	6 0	0 5	0 2	0 6	0 0	0 00	0 0
09/24/2019 0 00	6 4	1 4	6 7	0 7	0 2	1 0	0 0	0 00	0 0
09/25/2019 0 00	6 0	0 2	6 5	0 8	0 2	1 1	0 0	0 00	0 0
09/26/2019 0 00	6 8	1 1	7 1	0 9	0 2	0 9	0 0	0 00	0 0
09/27/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/28/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/29/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/30/2019 0 00	6 4	1 1	6 7	1 4	0 2	1 7	0 0	0 00	0 0
Total:									
Average:	6 2	1 0	6 6	0 8	0 2	1 1	0 0	0 00	0 02
Maximum:	7 9	1 4	8 5	2 0	0 3	2 6	0 0	0 00	0 03
Minimum:	4 0	0 2	5 1	0 3	0 1	0 4	0 0	0 00	0 02

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

Unit Name: Mariposa Unit 800

Report Start Date/Time : Mon 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14 2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2 7	Max CO Lbs/Hr Limit 17 3	Max POC Lbs Startup Limit 1 1	Max POC Lbs Shutdown Limit 0 12	Max POC Lbs/Hr Limit 1 4
07/01/2019 0 00	7 0	1 1	7 3	1 1	0 2	1 3	0 0	0 00	0 0
07/02/2019 0 00	6 5	1 1	6 8	0 3	0 1	0 6	0 0	0 00	0 0
07/03/2019 0 00	6 2	0 9	6 5	0 8	0 2	1 1	0 0	0 00	0 0
07/04/2019 0 00	8 5	0 6	9 4	1 0	0 2	1 4	0 0	0 00	0 0
07/05/2019 0 00	6 4	1 0	6 7	0 7	0 2	1 0	0 0	0 00	0 0
07/06/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
07/07/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
07/08/2019 0 00	6 4	1 0	6 7	0 8	0 2	1 1	0 0	0 00	0 0
07/09/2019 0 00	7 7	1 3	8 3	0 4	0 2	0 7	0 0	0 00	0 0
07/10/2019 0 00	6 3	1 2	6 8	1 0	0 2	1 3	0 0	0 00	0 0
07/11/2019 0 00	6 3	1 4	6 8	0 9	0 2	1 3	0 0	0 00	0 0
07/12/2019 0 00	5 8	0 6	6 2	0 6	0 2	0 9	0 0	0 00	0 0
07/13/2019 0 00	6 6	0 9	7 2	0 5	0 2	0 7	0 0	0 00	0 0
07/14/2019 0 00	6 2	1 0	6 5	1 2	0 2	1 4	0 0	0 00	0 0
07/15/2019 0 00	6 0	1 1	6 3	0 5	0 2	0 8	0 0	0 00	0 0
07/16/2019 0 00	6 7	0 8	7 3	1 1	0 2	1 4	0 0	0 00	0 0
07/17/2019 0 00	6 2	0 8	7 3	1 2	0 2	1 5	0 0	0 00	0 0
07/18/2019 0 00	6 8	1 2	7 2	0 5	0 2	0 9	0 0	0 00	0 0
07/19/2019 0 00	5 9	0 2	6 0	1 2	0 2	1 5	0 0	0 00	0 0
07/20/2019 0 00	5 8	0 1	6 1	1 4	0 1	1 7	0 0	0 00	0 0
07/21/2019 0 00	6 3	0 3	7 2	1 0	0 2	1 5	0 0	0 00	0 0
07/22/2019 0 00	5 8	0 7	6 1	0 5	0 3	0 8	0 0	0 00	0 0
07/23/2019 0 00	5 8	1 2	6 3	0 6	0 3	1 3	0 0	0 00	0 0
07/24/2019 0 00	5 8	1 2	6 3	1 1	0 2	1 5	0 0	0 00	0 0
07/25/2019 0 00	5 8	1 2	6 1	0 6	0 2	1 0	0 0	0 00	0 0
07/26/2019 0 00	6 2	1 0	7 1	1 1	0 2	1 7	0 0	0 00	0 0
07/27/2019 0 00	7 4	1 2	7 9	0 5	0 2	1 1	0 0	0 00	0 0
07/28/2019 0 00	6 7	1 1	7 0	0 5	0 2	1 0	0 0	0 00	0 0
07/29/2019 0 00	6 0	0 9	6 3	0 5	0 2	0 8	0 0	0 00	0 0
07/30/2019 0 00	6 2	1 1	6 5	0 9	0 2	1 2	0 0	0 00	0 0
07/31/2019 0 00	5 8	0 1	6 1	0 9	0 2	1 1	0 0	0 00	0 0
08/01/2019 0 00	6 4	0 2	6 8	0 9	0 2	1 1	0 0	0 00	0 0

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

Unit Name: Mariposa Unit 800

Report Start Date/Time : Mon 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14 2	Max NOx Lbs Shutdown Limit 3 2	Max NOx Lbs/Hr Limit 16 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
08/02/2019 0 00	6 0	1 1	6 3	0 8	0 2	1 1	0 0	0 00	0 0
08/03/2019 0 00	5 9	1 0	6 2	1 1	0 2	1 8	0 0	0 00	0 0
08/04/2019 0 00	5 6	1 1	5 9	0 9	0 2	1 3	0 0	0 00	0 0
08/05/2019 0 00	6 9	1 4	7 2	1 1	0 3	1 4	0 0	0 00	0 0
08/06/2019 0 00	7 3	1 2	8 7	1 4	0 2	2 2	0 0	0 00	0 0
08/07/2019 0 00	7 4	1 0	8 0	1 0	0 2	1 3	0 0	0 00	0 0
08/08/2019 0 00	7 2	1 1	7 5	1 2	0 2	1 5	0 0	0 00	0 0
08/09/2019 0 00	6 3	0 9	6 7	0 5	0 2	0 7	0 0	0 00	0 0
08/10/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
08/11/2019 0 00	6 5	1 1	6 9	2 0	0 2	2 3	0 0	0 00	0 0
08/12/2019 0 00	7 5	1 1	7 9	0 8	0 1	1 1	0 0	0 00	0 0
08/13/2019 0 00	7 2	0 7	8 0	1 5	0 2	2 0	0 0	0 00	0 0
08/14/2019 0 00	5 7	1 1	6 2	0 6	0 2	0 9	0 0	0 00	0 0
08/15/2019 0 00	5 6	0 4	5 9	1 1	0 2	1 4	0 0	0 00	0 0
08/16/2019 0 00	5 4	1 2	5 9	0 6	0 2	0 9	0 0	0 00	0 0
08/17/2019 0 00	6 2	0 8	6 5	0 4	0 2	0 7	0 0	0 00	0 0
08/18/2019 0 00	6 1	0 9	7 1	1 0	0 2	1 4	0 0	0 00	0 0
08/19/2019 0 00	6 1	0 7	7 1	0 7	0 2	1 2	0 0	0 00	0 0
08/20/2019 0 00	8 2	1 0	8 7	0 9	0 2	1 5	0 0	0 00	0 0
08/21/2019 0 00	5 9	1 0	6 2	0 6	0 2	0 8	0 0	0 00	0 0
08/22/2019 0 00	5 6	1 0	6 0	0 8	0 1	1 1	0 0	0 00	0 0
08/23/2019 0 00	7 9	1 1	8 2	0 8	0 2	1 0	0 0	0 00	0 0
08/24/2019 0 00	5 6	1 0	6 0	0 9	0 2	1 1	0 0	0 00	0 0
08/25/2019 0 00	8 0	1 1	8 1	1 4	0 1	1 4	0 0	0 00	0 0
08/26/2019 0 00	5 5	1 3	5 8	0 5	0 1	0 8	0 0	0 00	0 0
08/27/2019 0 00	6 5	0 3	7 0	1 3	0 2	1 6	0 0	0 00	0 0
08/28/2019 0 00	6 1	0 9	6 5	0 5	0 2	0 8	0 0	0 00	0 0
08/29/2019 0 00	6 8	0 9	7 2	0 6	0 2	0 8	0 0	0 00	0 0
08/30/2019 0 00	6 3	0 9	6 6	1 4	0 2	1 6	0 0	0 00	0 0
08/31/2019 0 00	6 7	1 1	7 0	0 9	0 2	1 2	0 0	0 00	0 0
09/01/2019 0 00	6 2	0 9	6 5	1 0	0 1	1 2	0 0	0 00	0 0
09/02/2019 0 00	6 5	0 9	7 4	0 7	0 3	1 3	0 0	0 00	0 0

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

Unit Name: Mariposa Unit 800

Report Start Date/Time : Mon 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14.2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2.7	Max CO Lbs/Hr Limit 17.3	Max POC Lbs Startup Limit 1.1	Max POC Lbs Shutdown Limit 0.12	Max POC Lbs/Hr Limit 1.4
09/03/2019 0:00	6.0	1.2	6.6	1.3	0.2	1.6	0.0	0.00	0.0
09/04/2019 0:00	7.5	0.9	8.6	0.8	0.3	1.3	0.0	0.00	0.0
09/05/2019 0:00	6.3	1.0	6.8	1.3	0.3	1.5	0.0	0.00	0.0
09/06/2019 0:00	6.0	0.7	6.5	1.2	0.2	1.5	0.0	0.00	0.0
09/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/08/2019 0:00	7.3	0.9	7.6	0.4	0.2	0.7	0.0	0.00	0.0
09/09/2019 0:00	7.2	1.0	7.5	1.4	0.2	1.6	0.0	0.00	0.0
09/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/11/2019 0:00	6.2	1.2	6.7	0.8	0.1	1.1	0.0	0.00	0.0
09/12/2019 0:00	6.0	0.9	6.3	1.1	0.2	1.4	0.0	0.00	0.0
09/13/2019 0:00	6.0	1.0	6.3	1.1	0.2	1.4	0.0	0.00	0.0
09/14/2019 0:00	6.4	0.5	6.4	0.5	0.2	0.8	0.0	0.00	0.0
09/15/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/17/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/18/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/20/2019 0:00	6.6	1.0	6.9	0.5	0.2	0.9	0.0	0.00	0.0
09/21/2019 0:00	6.3	1.2	6.7	0.8	0.2	1.2	0.0	0.00	0.0
09/22/2019 0:00	6.0	0.9	6.3	1.1	0.2	1.5	0.0	0.00	0.0
09/23/2019 0:00	5.9	1.0	6.4	1.0	0.1	1.3	0.0	0.00	0.0
09/24/2019 0:00	7.1	1.2	7.4	0.7	0.1	1.3	0.0	0.00	0.0
09/25/2019 0:00	5.8	0.3	6.2	0.7	0.2	1.1	0.0	0.00	0.0
09/26/2019 0:00	6.0	1.0	6.3	0.9	0.2	1.2	0.0	0.00	0.0
09/27/2019 0:00	6.0	0.7	6.1	1.2	0.1	1.2	0.0	0.00	0.0
09/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/30/2019 0:00	6.8	1.0	7.4	1.2	0.2	1.5	0.0	0.00	0.0
Total:									
Average:	6.4	0.9	6.9	0.9	0.2	1.2	0.0	0.00	0.03
Maximum:	8.5	1.4	9.4	2.0	0.3	2.3	0.0	0.00	0.04
Minimum:	5.4	0.1	5.8	0.3	0.1	0.6	0.0	0.00	0.02

Unit Name: Mariposa Unit 900

Report Start Date/Time : Mon 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14 2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2 7	Max CO Lbs/Hr Limit 17 3	Max POC Lbs Startup Limit 1 1	Max POC Lbs Shutdown Limit 0 12	Max POC Lbs/Hr Limit 1.4
07/01/2019 0 00	7 1	1 3	7 6	0 5	0 1	0 7	0 0	0 00	0 0
07/02/2019 0 00	6 7	1 2	7 2	0 3	0 1	0 6	0 0	0 00	0 0
07/03/2019 0 00	6 5	1 1	7 0	0 8	0 1	1 0	0 0	0 00	0 0
07/04/2019 0 00	8 6	0 9	9 4	1 0	0 2	1 5	0 0	0 00	0 0
07/05/2019 0 00	6 5	1 1	7 1	0 8	0 1	1 1	0 0	0 00	0 0
07/06/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
07/07/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
07/08/2019 0 00	6 9	1 1	7 4	1 0	0 1	1 3	0 0	0 00	0 0
07/09/2019 0 00	7 8	1 3	8 3	0 5	0 2	0 7	0 0	0 00	0 0
07/10/2019 0 00	6 8	1 3	7 3	0 5	0 1	0 7	0 0	0 00	0 0
07/11/2019 0 00	6 8	1 1	7 3	0 6	0 1	1 3	0 0	0 00	0 0
07/12/2019 0 00	6 0	1 1	6 6	0 5	0 1	0 8	0 0	0 00	0 0
07/13/2019 0 00	6 7	1 3	7 3	0 4	0 1	0 6	0 0	0 00	0 0
07/14/2019 0 00	7 0	1 0	7 6	0 4	0 1	0 7	0 0	0 00	0 0
07/15/2019 0 00	6 6	1 1	7 1	0 4	0 1	0 6	0 0	0 00	0 0
07/16/2019 0 00	7 6	1 3	7 7	0 5	0 1	0 6	0 0	0 00	0 0
07/17/2019 0 00	3 6	1 2	5 1	0 6	0 1	0 8	0 0	0 00	0 0
07/18/2019 0 00	6 9	1 1	7 4	0 5	0 1	0 8	0 0	0 00	0 0
07/19/2019 0 00	6 4	0 7	6 7	0 6	0 1	0 7	0 0	0 00	0 0
07/20/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
07/21/2019 0 00	6 3	0 7	7 3	1 1	0 2	1 6	0 0	0 00	0 0
07/22/2019 0 00	5 9	0 3	6 5	0 4	0 1	0 8	0 0	0 00	0 0
07/23/2019 0 00	6 2	1 5	6 9	0 7	0 2	1 5	0 0	0 00	0 0
07/24/2019 0 00	6 6	1 3	7 1	1 5	0 1	1 8	0 0	0 00	0 0
07/25/2019 0 00	6 1	1 4	6 6	0 5	0 2	0 8	0 0	0 00	0 0
07/26/2019 0 00	6 9	1 2	7 8	0 5	0 2	1 1	0 0	0 00	0 0
07/27/2019 0 00	7 8	1 3	8 8	0 5	0 1	0 8	0 0	0 00	0 0
07/28/2019 0 00	7 4	1 2	7 9	0 5	0 1	0 9	0 0	0 00	0 0
07/29/2019 0 00	6 3	1 1	6 7	0 5	0 1	0 7	0 0	0 00	0 0
07/30/2019 0 00	6 4	1 3	6 9	0 9	0 1	1 2	0 0	0 00	0 0
07/31/2019 0 00	5 9	0 5	6 3	0 9	0 1	1 2	0 0	0 00	0 0
08/01/2019 0 00	6 3	0 4	6 7	0 9	0 2	1 1	0 0	0 00	0 0

Unit Name: Mariposa Unit 900

Report Start Date/Time : Mon 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14.2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2 7	Max CO Lbs/Hr Limit 17 3	Max POC Lbs Startup Limit 1 1	Max POC Lbs Shutdown Limit 0 12	Max POC Lbs/Hr Limit 1 4
08/02/2019 0 00	5 8	1 3	6 3	0 8	0 1	1 1	0 0	0 00	0 0
08/03/2019 0 00	5 9	1 1	6 4	1 4	0 1	2 1	0 0	0 00	0 0
08/04/2019 0 00	5 7	1 2	6 2	0 7	0 1	1 0	0 0	0 00	0 0
08/05/2019 0 00	6 7	1 4	7 2	1 7	0 2	1 9	0 0	0 00	0 0
08/06/2019 0 00	7 5	1 2	9 3	0 8	0 1	1 5	0 0	0 00	0 0
08/07/2019 0 00	7 6	1 2	7 9	1 0	0 1	1 3	0 0	0 00	0 0
08/08/2019 0 00	7 4	1 2	7 8	0 5	0 1	0 7	0 0	0 00	0 0
08/09/2019 0 00	6 4	1 3	6 9	0 3	0 1	0 6	0 0	0 00	0 0
08/10/2019 0 00	Down	Down	Down	Down	Down	Down	Down	Down	Down
08/11/2019 0 00	6 8	1 4	6 8	0 4	0 1	0 6	0 0	0 00	0 0
08/12/2019 0 00	7 6	1 6	8 0	0 8	0 1	1 0	0 0	0 00	0 0
08/13/2019 0 00	7 1	1 3	8 0	1 7	0 1	2 2	0 0	0 00	0 0
08/14/2019 0 00	6 0	1 6	6 5	0 6	0 1	0 8	0 0	0 00	0 0
08/15/2019 0 00	5 4	0 7	5 9	1 1	0 1	1 4	0 0	0 00	0 0
08/16/2019 0 00	5 5	1 3	6 2	0 5	0 1	0 7	0 0	0 00	0 0
08/17/2019 0 00	6 1	1 0	6 6	0 5	0 1	0 8	0 0	0 00	0 0
08/18/2019 0 00	6 1	1 1	7 2	1 0	0 1	1 4	0 0	0 00	0 0
08/19/2019 0 00	6 5	1 0	7 1	0 4	0 1	0 9	0 0	0 00	0 0
08/20/2019 0 00	8 7	1 2	9 3	1 1	0 2	1 8	0 0	0 00	0 0
08/21/2019 0 00	6 2	1 4	6 6	0 5	0 1	0 8	0 0	0 00	0 0
08/22/2019 0 00	5 4	1 3	6 0	0 8	0 1	1 1	0 0	0 00	0 0
08/23/2019 0 00	7 7	1 2	8 1	0 9	0 2	1 1	0 0	0 00	0 0
08/24/2019 0 00	5 9	1 2	6 5	0 7	0 2	0 9	0 0	0 00	0 0
08/25/2019 0 00	7 8	1 2	8 7	0 8	0 1	1 2	0 0	0 00	0 0
08/26/2019 0 00	5 8	1 5	6 4	0 5	0 1	0 9	0 0	0 00	0 0
08/27/2019 0 00	6 6	1 3	7 2	0 7	0 1	0 9	0 0	0 00	0 0
08/28/2019 0 00	6 4	1 3	7 1	0 5	0 1	0 8	0 0	0 00	0 0
08/29/2019 0 00	7 2	0 9	7 6	0 6	0 1	0 8	0 0	0 00	0 0
08/30/2019 0 00	6 4	1 1	7 0	1 4	0 1	1 7	0 0	0 00	0 0
08/31/2019 0 00	6 8	1 2	7 3	0 9	0 1	1 2	0 0	0 00	0 0
09/01/2019 0 00	6 6	1 2	7 2	0 8	0 1	1 1	0 0	0 00	0 0
09/02/2019 0 00	7 2	1 2	8 3	0 7	0 2	1 3	0 0	0 00	0 0

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

Unit Name: Mariposa Unit 900

Report Start Date/Time : Mon 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14.2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2.7	Max CO Lbs/Hr Limit 17.3	Max POC Lbs Startup Limit 1.1	Max POC Lbs Shutdown Limit 0.12	Max POC Lbs/Hr Limit 1.4
09/03/2019 0:00	6.5	1.2	7.2	0.6	0.1	0.9	0.0	0.00	0.0
09/04/2019 0:00	7.6	1.3	8.8	0.7	0.2	1.3	0.0	0.00	0.0
09/05/2019 0:00	6.5	1.2	7.1	0.5	0.2	0.7	0.0	0.00	0.0
09/06/2019 0:00	6.1	1.2	6.7	0.5	0.1	0.8	0.0	0.00	0.0
09/07/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/08/2019 0:00	7.1	1.1	7.6	0.5	0.1	0.7	0.0	0.00	0.0
09/09/2019 0:00	7.3	1.1	7.5	0.8	0.1	0.9	0.0	0.00	0.0
09/10/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/11/2019 0:00	6.0	1.3	6.6	0.9	0.1	1.2	0.0	0.00	0.0
09/12/2019 0:00	6.1	1.0	6.7	1.4	0.1	1.6	0.0	0.00	0.0
09/13/2019 0:00	5.5	1.2	6.1	1.4	0.1	1.7	0.0	0.00	0.0
09/14/2019 0:00	6.2	0.9	6.7	0.4	0.1	0.8	0.0	0.00	0.0
09/15/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/16/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/17/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/18/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/19/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/20/2019 0:00	6.3	1.3	6.8	0.5	0.1	0.7	0.0	0.00	0.0
09/21/2019 0:00	6.3	1.3	6.9	0.9	0.1	1.1	0.0	0.00	0.0
09/22/2019 0:00	6.1	1.0	6.7	1.4	0.1	1.8	0.0	0.00	0.0
09/23/2019 0:00	5.9	1.2	6.5	0.5	0.1	0.7	0.0	0.00	0.0
09/24/2019 0:00	4.8	1.4	6.2	0.5	0.1	1.1	0.0	0.00	0.0
09/25/2019 0:00	5.9	0.5	6.8	0.6	0.1	1.0	0.0	0.00	0.0
09/26/2019 0:00	5.8	1.3	6.3	0.7	0.1	0.9	0.0	0.00	0.0
09/27/2019 0:00	7.3	1.2	7.7	0.6	0.1	0.8	0.0	0.00	0.0
09/28/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/29/2019 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
09/30/2019 0:00	6.8	1.2	7.3	1.4	0.1	1.6	0.0	0.00	0.0
Total:									
Average:	6.6	1.2	7.2	0.7	0.1	1.1	0.0	0.00	0.02
Maximum:	8.7	1.6	9.4	1.7	0.2	2.2	0.0	0.00	0.03
Minimum:	3.6	0.3	5.1	0.3	0.1	0.6	0.0	0.00	0.01

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 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	Daily NOx Lbs Limit 1100	Daily CO Lbs Limit 934	Daily POC Lbs Limit 95	Daily SO2 Lbs Limit 130				
07/01/2019 0:00	52	11	0	1				
07/02/2019 0:00	51	13	0	1				
07/03/2019 0:00	53	14	0	1				
07/04/2019 0:00	52	16	0	2				
07/05/2019 0:00	44	13	0	1				
07/06/2019 0:00	Down	Down	Down	Down				
07/07/2019 0:00	Down	Down	Down	Down				
07/08/2019 0:00	50	18	0	1				
07/09/2019 0:00	44	7	0	1				
07/10/2019 0:00	38	7	0	1				
07/11/2019 0:00	64	16	0	1				
07/12/2019 0:00	56	19	0	2				
07/13/2019 0:00	54	14	0	2				
07/14/2019 0:00	45	10	0	1				
07/15/2019 0:00	53	18	0	2				
07/16/2019 0:00	55	14	0	2				
07/17/2019 0:00	43	15	0	2				
07/18/2019 0:00	43	11	0	1				
07/19/2019 0:00	30	8	0	1				
07/20/2019 0:00	9	3	0	0				
07/21/2019 0:00	76	32	1	4				
07/22/2019 0:00	107	50	1	6				
07/23/2019 0:00	100	41	1	5				
07/24/2019 0:00	92	33	1	3				
07/25/2019 0:00	93	40	1	5				
07/26/2019 0:00	118	43	1	4				
07/27/2019 0:00	79	30	1	3				
07/28/2019 0:00	59	24	0	3				
07/29/2019 0:00	72	29	1	3				
07/30/2019 0:00	48	16	0	1				
07/31/2019 0:00	38	18	0	2				
08/01/2019 0:00	59	25	0	3				
08/02/2019 0:00	50	17	0	1				
08/03/2019 0:00	79	30	0	3				
08/04/2019 0:00	66	28	0	3				
08/05/2019 0:00	76	38	1	4				
08/06/2019 0:00	75	28	1	3				
08/07/2019 0:00	62	19	0	1				
08/08/2019 0:00	61	17	0	1				
08/09/2019 0:00	59	15	0	1				
08/10/2019 0:00	Down	Down	Down	Down				
08/11/2019 0:00	47	12	0	1				
08/12/2019 0:00	60	19	0	2				
08/13/2019 0:00	92	43	1	4				
08/14/2019 0:00	82	33	1	4				
08/15/2019 0:00	63	30	1	3				

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	Daily NOx Lbs Limit 1100	Daily CO Lbs Limit 934	Daily POC Lbs Limit 95	Daily SO2 Lbs Limit 130				
08/16/2019 0:00	54	20	0	2				
08/17/2019 0:00	48	16	0	1				
08/18/2019 0:00	43	14	0	1				
08/19/2019 0:00	63	16	0	2				
08/20/2019 0:00	90	27	0	3				
08/21/2019 0:00	53	15	0	1				
08/22/2019 0:00	49	15	0	1				
08/23/2019 0:00	55	18	0	2				
08/24/2019 0:00	46	19	0	2				
08/25/2019 0:00	65	18	0	2				
08/26/2019 0:00	61	24	0	3				
08/27/2019 0:00	68	26	1	3				
08/28/2019 0:00	56	18	0	2				
08/29/2019 0:00	56	16	0	2				
08/30/2019 0:00	58	23	0	2				
08/31/2019 0:00	55	18	0	2				
09/01/2019 0:00	66	23	0	2				
09/02/2019 0:00	94	41	1	5				
09/03/2019 0:00	76	30	1	4				
09/04/2019 0:00	134	60	1	7				
09/05/2019 0:00	107	43	1	5				
09/06/2019 0:00	58	20	0	2				
09/07/2019 0:00	Down	Down	Down	Down				
09/08/2019 0:00	51	9	0	1				
09/09/2019 0:00	47	12	0	1				
09/10/2019 0:00	Down	Down	Down	Down				
09/11/2019 0:00	47	9	0	1				
09/12/2019 0:00	54	19	0	2				
09/13/2019 0:00	57	22	0	2				
09/14/2019 0:00	44	14	0	1				
09/15/2019 0:00	Down	Down	Down	Down				
09/16/2019 0:00	Down	Down	Down	Down				
09/17/2019 0:00	Down	Down	Down	Down				
09/18/2019 0:00	Down	Down	Down	Down				
09/19/2019 0:00	Down	Down	Down	Down				
09/20/2019 0:00	46	12	0	1				
09/21/2019 0:00	44	15	0	1				
09/22/2019 0:00	49	20	0	2				
09/23/2019 0:00	55	15	0	2				
09/24/2019 0:00	61	15	0	1				
09/25/2019 0:00	70	33	1	4				
09/26/2019 0:00	71	16	0	2				
09/27/2019 0:00	29	8	0	1				
09/28/2019 0:00	Down	Down	Down	Down				
09/29/2019 0:00	Down	Down	Down	Down				
09/30/2019 0:00	51	13	0	1				

Unit Name: Mariposa Facility

Report Start Date/Time : Mon 07/01/2019 0:00

Report End Date/Time : Mon 09/30/2019 23:59

DATE/TIME	Daily NOx Lbs Limit 1100	Daily CO Lbs Limit 934	Daily POC Lbs Limit 95	Daily SO2 Lbs Limit 130				
Total:	4880	1690	28	175				
Average:	61	21	0	2				
Maximum:	134	60	1	7				
Minimum:	9	3	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
07/2019	6.6	2.0	0.1	0.5	0.2
08/2019	6.1	1.9	0.1	0.5	0.2
09/2019	6.2	2.0	0.1	0.5	0.2
Maximum:	6.6	2.0	0.1	0.5	0.2
Minimum:	6.1	1.9	0.1	0.5	0.2

Attachment 14

Condition AQ-31 Sulfuric Acid 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
07/2019	0.19	0.19	0.20	0.19	0.77
08/2019	0.13	0.14	0.14	0.14	0.55
09/2019	0.12	0.13	0.13	0.13	0.51
Maximum:	0.19	0.19	0.20	0.19	0.77
Minimum:	0.12	0.13	0.13	0.13	0.51

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 third quarter of 2019.

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 F

Continue

Attachment 17

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

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

S-6 Diesel Fire Pump Driver Operating Log

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

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

Denotes Entry Cell

Location: Diesel Fire Pump Room, Mariposa Energy Center

Summary			
Months	Stop Timer Reading	Start Timer Reading	Total Actual Maintenance and Testing Hours
January	164.6	162.6	2.0
February	166.6	164.6	2.0
March	168.6	166.6	2.0
April	171.1	168.6	2.5
May	173.1	171.1	2.0
June	175.1	173.1	2.0
July	177.6	175.1	2.5
August	179.6	177.6	2.0
September	182.1	179.6	2.5

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
9/28/2012	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
5/6/2013	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
3/26/2014	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
5/28/2014	43.1	43.6	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	453.4 gal
6/5/2014	43.6	44.1	Maintenance & Testing	CC	0.5	0	75%	5.2 gal	458.6 gal

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

S-6 Diesel Fire Pump Driver Operating Log

Engine JU6H-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
6/12/2014	44.1	44.6	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	463.8 gal
6/18/2014	44.6	45.1	Maintenance & Testing	DC	0.5	0	75%	5.2 gal	469.0 gal
6/26/2014	45.1	45.6	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	474.2 gal
7/2/2014	45.6	46.1	Maintenance & Testing	CC	0.5	0	100%	5.2 gal	479.4 gal
7/8/2014	46.1	46.6	Maintenance & Testing	RR	0.5	0	100%	5.2 gal	484.6 gal
7/15/2014	46.6	47.1	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	489.8 gal
7/21/2014	47.1	47.6	Maintenance & Testing	DC	0.5	0	100%	5.2 gal	495.0 gal
7/30/2014	47.6	48.1	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	500.2 gal
8/5/2014	48.1	48.6	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	505.4 gal
8/14/2014	48.6	49.1	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	510.6 gal
8/20/2014	49.1	49.6	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	515.8 gal
8/26/2014	49.6	50.1	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	521.0 gal
9/1/2014	50.1	50.6	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	526.2 gal
9/10/2014	50.6	51.1	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	531.4 gal
9/16/2014	51.1	51.6	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	536.6 gal
9/22/2014	51.6	52.1	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	541.8 gal
10/1/2014	52.1	52.6	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	547.0 gal
10/16/2014	52.6	53.1	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	552.2 gal
10/21/2014	53.1	53.6	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	557.4 gal
10/27/2014	53.6	54.1	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	562.6 gal
11/3/2014	54.1	54.6	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	567.8 gal
11/14/2014	54.6	55.1	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	573.0 gal
11/18/2014	55.1	55.6	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	578.2 gal
11/25/2014	55.6	56.1	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	583.4 gal
12/3/2014	56.1	56.6	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	588.6 gal
12/10/2014	56.6	57.1	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	593.8 gal
12/16/2014	57.1	57.6	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	599.0 gal
12/23/2014	57.6	58.1	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	604.2 gal
12/31/2014	58.1	58.6	Maintenance & Testing	DC	0.5	0	75%	5.2 gal	609.4 gal
1/8/2015	58.6	59.1	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	614.6 gal
1/15/2015	59.1	59.6	Maintenance & Testing	CC	0.5	0	75%	5.2 gal	619.8 gal
1/21/2015	59.6	60.1	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	625.0 gal
1/29/2015	60.1	60.6	Maintenance & Testing	DC	0.5	0	75%	5.2 gal	630.2 gal
2/4/2015	60.6	61.1	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	635.4 gal
2/10/2015	61.1	61.6	Maintenance & Testing	CC	0.5	0	100%	5.2 gal	640.6 gal
2/16/2015	61.6	62.1	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	645.8 gal
2/24/2015	62.1	62.6	Maintenance & Testing	DC	0.5	0	100%	5.2 gal	651.0 gal
3/4/2015	62.6	63.1	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	656.2 gal
3/11/2015	63.1	63.6	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	661.4 gal
3/18/2015	63.6	64.1	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	666.6 gal
3/25/2015	64.1	64.6	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	671.8 gal
3/31/2015	64.6	65.1	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	677.0 gal
4/7/2015	65.1	65.6	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	682.2 gal

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

S-6 Diesel Fire Pump Driver Operating Log

Engine JU6H-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
4/15/2015	65.6	66.1	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	687.4 gal
4/23/2015	66.1	66.6	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	692.6 gal
4/27/2015	66.6	67.1	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	697.8 gal
5/5/2015	67.1	67.6	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	703.0 gal
5/14/2015	67.6	68.1	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	708.2 gal
5/21/2015	68.1	68.6	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	713.4 gal
5/27/2015	68.6	69.1	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	718.6 gal
6/4/2015	69.1	69.6	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	723.8 gal
6/10/2015	69.6	70.1	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	729.0 gal
6/18/2015	70.1	70.6	Maintenance & Testing	DC	0.5	0	88%	5.2 gal	734.2 gal
6/24/2015	70.6	71.1	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	739.4 gal
6/30/2015	71.1	71.6	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	744.6 gal
7/8/2015	71.6	72.1	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	749.8 gal
7/15/2015	72.1	72.6	Maintenance & Testing	DC	0.5	0	75%	5.2 gal	755.0 gal
7/22/2015	72.6	73.1	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	760.2 gal
7/29/2015	73.1	73.6	Maintenance & Testing	CC	0.5	0	75%	5.2 gal	765.4 gal
8/3/2015	73.6	74.1	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	770.6 gal
8/11/2015	74.1	74.6	Maintenance & Testing	DC	0.5	0	75%	5.2 gal	775.8 gal
8/19/2015	74.6	75.1	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	781.0 gal
8/25/2015	75.1	75.6	Maintenance & Testing	CC	0.5	0	75%	5.2 gal	786.2 gal
9/1/2015	75.6	76.1	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	791.4 gal
9/7/2015	76.1	76.6	Maintenance & Testing	DC	0.5	0	75%	5.2 gal	796.6 gal
9/15/2015	76.6	77.1	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	801.8 gal
9/22/2015	77.1	77.6	Maintenance & Testing	CC	0.5	0	100%	5.2 gal	807.0 gal
9/28/2015	77.6	77.6	Maintenance & Testing	RR	0.0	0	100%	0.0 gal	807.0 gal
10/9/2015	77.6	78.1	Maintenance & Testing	RR	0.5	0	100%	5.2 gal	812.2 gal
10/15/2015	78.1	78.6	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	817.4 gal
10/20/2015	78.6	79.1	Maintenance & Testing	CC	0.5	0	100%	5.2 gal	822.6 gal
10/26/2015	79.1	79.6	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	827.8 gal
11/4/2015	79.6	80.1	Maintenance & Testing	JM	0.5	0	95%	5.2 gal	833.0 gal
11/11/2015	80.1	80.6	Maintenance & Testing	JM	0.5	0	95%	5.2 gal	838.2 gal
11/18/2015	80.6	81.1	Maintenance & Testing	JM	0.5	0	95%	5.2 gal	843.4 gal
11/24/2015	81.1	81.6	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	848.6 gal
12/1/2015	81.6	82.1	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	853.8 gal
12/6/2015	82.1	82.6	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	859.0 gal
12/13/2015	82.6	83.1	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	864.2 gal
12/20/2015	83.1	83.6	Maintenance & Testing	CC	0.5	0	85%	5.2 gal	869.4 gal
12/27/2015	83.6	84.1	Maintenance & Testing	RR	0.5	0	85%	5.2 gal	874.6 gal
1/6/2016	84.1	84.6	Maintenance & Testing	JM	0.5	0	85%	5.2 gal	879.8 gal
1/13/2016	84.6	85.1	Maintenance & Testing	CC	0.5	0	85%	5.2 gal	885.0 gal
1/20/2016	85.1	85.6	Maintenance & Testing	JM	0.5	0	85%	5.2 gal	890.2 gal
1/26/2016	85.6	86.1	Maintenance & Testing	JM	0.5	0	85%	5.2 gal	895.4 gal
2/3/2016	86.1	86.6	Maintenance & Testing	JM	0.5	0	85%	5.2 gal	900.6 gal

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

S-6 Diesel Fire Pump Driver Operating Log

Engine JU6H-UFADM8 (Clark Fire Pump Engine Model Designation)
Model: 6068HFC28A,B,C,D (John Deere Engine Model Designation)
Size: 175 BHP 2011 Model Year
Facility: Mariposa Energy Center, BAAQMD Plant 18730 (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
2/9/2016	86.6	87.1	Maintenance & Testing	FP	0.5	0	85%	5.2 gal	905.8 gal
2/16/2016	87.1	87.6	Maintenance & Testing	RR	0.5	0	85%	5.2 gal	911.0 gal
2/24/2016	87.6	88.1	Maintenance & Testing	FP	0.5	0	85%	5.2 gal	916.2 gal
3/3/2016	88.1	88.6	Maintenance & Testing	FP	0.5	0	85%	5.2 gal	921.4 gal
3/8/2016	88.6	89.1	Maintenance & Testing	CC	0.5	0	85%	5.2 gal	926.6 gal
3/14/2016	89.1	89.6	Maintenance & Testing	RR	0.5	0	85%	5.2 gal	931.8 gal
3/21/2016	89.6	90.1	Maintenance & Testing	RR	0.5	0	85%	5.2 gal	937.0 gal
3/31/2016	90.1	90.6	Maintenance & Testing	FP	0.5	0	85%	5.2 gal	942.2 gal
4/6/2016	90.6	91.1	Maintenance & Testing	CC	0.5	0	85%	5.2 gal	947.4 gal
4/11/2016	91.1	91.6	Maintenance & Testing	RR	0.5	0	88%	5.2 gal	952.6 gal
4/25/2016	91.6	92.1	Maintenance & Testing	FP	0.5	0	88%	5.2 gal	957.8 gal
5/2/2016	92.1	92.6	Maintenance & Testing	CC	0.5	0	88%	5.2 gal	963.0 gal
5/9/2016	92.6	93.1	Maintenance & Testing	RR	0.5	0	80%	5.2 gal	968.2 gal
5/16/2016	93.1	93.6	Maintenance & Testing	JM	0.5	0	80%	5.2 gal	973.4 gal
5/23/2016	93.6	94.1	Maintenance & Testing	FP	0.5	0	80%	5.2 gal	978.6 gal
5/30/2,016	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

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
12/12/2016	108.1	108.6	Maintenance & Testing	CC	0.5	0	100%	5.2 gal	1129.4 gal
12/19/2016	108.6	109.1	Maintenance & Testing	RR	0.5	0	100%	5.2 gal	1134.6 gal
12/26/2016	109.1	109.6	Maintenance & Testing	JM	0.5	0	95%	5.2 gal	1139.8 gal
1/2/2017	109.6	110.1	Maintenance & Testing	FP	0.5	0	100%	5.2 gal	1145.0 gal
1/9/2017	110.1	110.6	Maintenance & Testing	CC	0.5	0	100%	5.2 gal	1150.2 gal
1/16/2017	110.6	111.1	Maintenance & Testing	RR	0.5	0	95%	5.2 gal	1155.4 gal
1/23/2017	111.1	111.6	Maintenance & Testing	JM	0.5	0	95%	5.2 gal	1160.6 gal
1/30/2017	111.6	112.1	Maintenance & Testing	FP	0.5	0	95%	5.2 gal	1165.8 gal
2/6/2017	112.1	112.6	Maintenance & Testing	CC	0.5	0	90%	5.2 gal	1171.0 gal
2/13/2017	112.6	113.1	Maintenance & Testing	RR	0.5	0	90%	5.2 gal	1176.2 gal
2/20/2017	113.1	113.6	Maintenance & Testing	JM	0.5	0	90%	5.2 gal	1181.4 gal
2/27/2017	113.6	114.1	Maintenance & Testing	FP	0.5	0	85%	5.2 gal	1186.6 gal
3/6/2017	114.1	114.6	Maintenance & Testing	CC	0.5	0	85%	5.2 gal	1191.8 gal
3/13/2017	114.6	115.1	Maintenance & Testing	RR	0.5	0	85%	5.2 gal	1197.0 gal
3/20/2017	115.1	115.6	Maintenance & Testing	JM	0.5	0	80%	5.2 gal	1202.2 gal
3/27/2017	115.6	116.1	Maintenance & Testing	FP	0.5	0	80%	5.2 gal	1207.4 gal
4/3/2017	116.1	116.6	Maintenance & Testing	JM	0.5	0	80%	5.2 gal	1212.6 gal
4/10/2017	116.6	117.1	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	1217.8 gal
4/17/2017	117.1	117.6	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	1223.0 gal
4/24/2017	117.6	118.1	Maintenance & Testing	FP	0.5	0	100%	5.2 gal	1228.2 gal
5/1/2017	118.1	118.6	Maintenance & Testing	CC	0.5	0	100%	5.2 gal	1233.4 gal
5/8/2017	118.6	119.1	Maintenance & Testing	RR	0.5	0	100%	5.2 gal	1238.6 gal
5/15/201	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	FF	0.5	0	90%	5.2 gal	1269.8 gal
5/26/2017	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	80%	5.2 gal	1290.6 gal
7/24/2017	124.1	124.6	Maintenance & Testing	CC	0.5	0	80%	5.2 gal	1295.8 gal
7/31/2017	124.6	125.1	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	1301.0 gal
8/7/2017	125.1	125.6	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	1306.2 gal
8/14/2017	125.6	126.1	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	1311.4 gal
8/21/2017	126.1	126.6	Maintenance & Testing	CC	0.5	0	100%	5.2 gal	1316.6 gal
8/28/2017	126.6	127.1	Maintenance & Testing	RR	0.5	0	95%	5.2 gal	1321.8 gal
9/3/2017	127.1	127.6	Maintenance & Testing	JM	0.5	0	95%	5.2 gal	1327.0 gal
9/11/2017	127.6	128.1	Maintenance & Testing	FP	0.5	0	95%	5.2 gal	1332.2 gal
9/18/2017	128.1	128.6	Maintenance & Testing	FP	0.5	0	90%	5.2 gal	1337.4 gal
9/26/2017	128.6	129.1	Maintenance & Testing	RR	0.5	0	90%	5.2 gal	1342.6 gal
10/3/2017	129.1	129.6	Maintenance & Testing	JM	0.5	0	90%	5.2 gal	1347.8 gal

Conditions AQ-39, AQ-40 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
10/9/2017	129.6	130.1	Maintenance & Testing	FP	0.5	0	90%	5.2 gal	1353.0 gal
10/16/2017	130.1	130.6	Maintenance & Testing	JM	0.5	0	90%	5.2 gal	1358.2 gal
10/23/2017	130.6	131.1	Maintenance & Testing	RR	0.5	0	90%	5.2 gal	1363.4 gal
10/30/2017	131.1	131.6	Maintenance & Testing	RR	0.5	0	90%	5.2 gal	1368.6 gal
11/6/2017	131.6	132.1	Maintenance & Testing	FP	0.5	0	90%	5.2 gal	1373.8 gal
11/13/2017	132.1	132.6	Maintenance & Testing	RR	0.5	0	90%	5.2 gal	1379.0 gal
11/20/2017	132.6	133.1	Maintenance & Testing	RR	0.5	0	85%	5.2 gal	1384.2 gal
11/27/2017	133.1	133.6	Maintenance & Testing	RR	0.5	0	85%	5.2 gal	1389.4 gal
12/4/2017	133.6	134.1	Maintenance & Testing	RR	0.5	0	85%	5.2 gal	1394.6 gal
12/11/2017	134.1	134.6	Maintenance & Testing	RR	0.5	0	85%	5.2 gal	1399.8 gal
12/18/2017	134.6	135.1	Maintenance & Testing	JJ	0.5	0	80%	5.2 gal	1405.0 gal
12/25/2017	135.1	135.6	Maintenance & Testing	FP	0.5	0	80%	5.2 gal	1410.2 gal
1/1/2018	135.6	136.1	Maintenance & Testing	FP	0.5	0	80%	5.2 gal	1415.4 gal
1/8/2018	136.1	136.6	Maintenance & Testing	RR	0.5	0	80%	5.2 gal	1420.6 gal
1/15/2018	136.6	137.1	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	1425.8 gal
1/22/2018	137.1	137.6	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	1431.0 gal
1/29/2018	137.6	138.1	Maintenance & Testing	DB	0.5	0	100%	5.2 gal	1436.2 gal
2/5/2018	138.1	138.6	Maintenance & Testing	DB	0.5	0	100%	5.2 gal	1441.4 gal
2/12/2018	138.6	139.1	Maintenance & Testing	DB	0.5	0	100%	5.2 gal	1446.6 gal
2/19/2018	139.1	139.6	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	1451.8 gal
2/26/2018	139.6	140.1	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	1457.0 gal
3/5/2018	140.1	140.6	Maintenance & Testing	GP	0.5	0	100%	5.2 gal	1462.2 gal
3/12/2018	140.6	141.1	Maintenance & Testing	RR	0.5	0	100%	5.2 gal	1467.4 gal
3/19/2018	141.1	141.6	Maintenance & Testing	GP	0.5	0	80%	5.2 gal	1472.6 gal
3/26/2018	141.6	142.1	Maintenance & Testing	GP	0.5	0	80%	5.2 gal	1477.8 gal
4/3/2018	142.1	142.6	Maintenance & Testing	GP	0.5	0	80%	5.2 gal	1483.0 gal
4/9/2018	142.6	143.1	Maintenance & Testing	GP	0.5	0	80%	5.2 gal	1488.2 gal
4/16/2018	143.1	143.6	Maintenance & Testing	GP	0.5	0	80%	5.2 gal	1493.4 gal
4/23/2018	143.6	144.1	Maintenance & Testing	RR	0.5	0	80%	5.2 gal	1498.6 gal
4/30/2018	144.1	144.6	Maintenance & Testing	FP	0.5	0	80%	5.2 gal	1503.8 gal
5/7/2018	144.6	145.1	Maintenance & Testing	DB	0.5	0	80%	5.2 gal	1509.0 gal
5/14/2018	145.1	145.6	Maintenance & Testing	GP	0.5	0	80%	5.2 gal	1514.2 gal
5/21/2018	145.6	146.1	Maintenance & Testing	RR	0.5	0	80%	5.2 gal	1519.4 gal
5/29/2018	146.1	146.6	Maintenance & Testing	GP	0.5	0	80%	5.2 gal	1524.6 gal
6/5/2018	146.6	147.1	Maintenance & Testing	DB	0.5	0	80%	5.2 gal	1529.8 gal
6/11/2018	147.1	147.6	Maintenance & Testing	FP	0.5	0	80%	5.2 gal	1535.0 gal
6/18/2018	147.6	148.1	Maintenance & Testing	GP	0.5	0	80%	5.2 gal	1540.2 gal
6/25/2018	148.1	148.6	Maintenance & Testing	GP	0.5	0	80%	5.2 gal	1545.4 gal
7/2/2018	148.6	149.1	Maintenance & Testing	GP	0.5	0	80%	5.2 gal	1550.6 gal
7/9/2018	149.1	149.6	Maintenance & Testing	RR	0.5	0	80%	5.2 gal	1555.8 gal
7/16/2018	149.6	150.1	Maintenance & Testing	RR	0.5	0	80%	5.2 gal	1561.0 gal
7/23/2018	150.1	150.6	Maintenance & Testing	DB	0.5	0	80%	5.2 gal	1566.2 gal
7/30/2018	150.6	151.1	Maintenance & Testing	RR	0.5	0	80%	5.2 gal	1571.4 gal

Conditions AQ-39, AQ-40 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
8/6/2018	151.1	151.6	Maintenance & Testing	JM	0.5	0	80%	5.2 gal	1576.6 gal
8/13/2018	151.6	152.1	Maintenance & Testing	DB	0.5	0	80%	5.2 gal	1581.8 gal
8/20/2018	152.1	152.6	Maintenance & Testing	DB	0.5	0	80%	5.2 gal	1587.0 gal
8/27/2018	152.6	153.1	Maintenance & Testing	RR	0.5	0	80%	5.2 gal	1592.2 gal
9/3/2018	153.1	153.6	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	1597.4 gal
9/10/2018	153.6	154.1	Maintenance & Testing	DB	0.5	0	75%	5.2 gal	1602.6 gal
9/17/2018	154.1	154.6	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
1/7/2019	162.6	163.1	Maintenance & Testing	FP	0.5	0	80%	0.0 gal	1691.0 gal
1/14/2019	163.1	163.6	Maintenance & Testing	RR	0.5	0	80%	0.0 gal	1691.0 gal
1/21/2019	163.6	164.1	Maintenance & Testing	JM	0.5	0	75%	0.0 gal	1691.0 gal
1/28/2019	164.1	164.6	Maintenance & Testing	FP	0.5	0	100%	0.0 gal	1691.0 gal
2/4/2019	164.6	165.1	Maintenance & Testing	GP	0.5	0	100%	0.0 gal	1691.0 gal
2/11/2019	165.1	165.6	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	1696.2 gal
2/18/2019	165.6	166.1	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	1701.4 gal
2/28/2019	166.1	166.6	Maintenance & Testing	FP	0.5	0	75%	5.2 gal	1706.6 gal
3/4/2019	166.6	167.1	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	1711.8 gal
3/11/2019	167.1	167.6	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	1717.0 gal
3/18/2019	167.6	168.1	Maintenance & Testing	GP	0.5	0	75%	5.2 gal	1722.2 gal
3/25/2019	168.1	168.6	Maintenance & Testing	GP	0.5	0	75%	5.2 gal	1727.4 gal
4/1/2019	168.6	169.1	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	1732.6 gal
4/8/2019	169.1	169.6	Maintenance & Testing	RR	0.5	0	100%	5.2 gal	1737.8 gal
4/15/2019	169.6	170.1	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	1743.0 gal
4/22/2019	170.1	170.6	Maintenance & Testing	FP	0.5	0	100%	5.2 gal	1748.2 gal
4/29/2019	170.6	171.1	Maintenance & Testing	GP	0.5	0	100%	5.2 gal	1753.4 gal
5/6/2019	171.1	171.6	Maintenance & Testing	RR	0.5	0	100%	5.2 gal	1758.6 gal
5/13/2019	171.6	172.1	Maintenance & Testing	DAB	0.5	0	100%	5.2 gal	1763.8 gal
5/22/2019	172.1	172.6	Maintenance & Testing	GP	0.5	0	95%	5.2 gal	1769.0 gal

Conditions AQ-39, AQ-40 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
5/29/2019	172.6	173.1	Maintenance & Testing	GP	0.5	0	95%	5.2 gal	1774.2 gal
6/3/2019	173.1	173.6	Maintenance & Testing	RR	0.5	0	95%	5.2 gal	1779.4 gal
6/10/2019	173.6	174.1	Maintenance & Testing	DAB	0.5	0	95%	5.2 gal	1784.6 gal
6/17/2019	174.1	174.6	Maintenance & Testing	GP	0.5	0	95%	5.2 gal	1789.8 gal
6/24/2019	174.6	175.1	Maintenance & Testing	RR	0.5	0	95%	5.2 gal	1795.0 gal
7/1/2019	175.1	175.6	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	125.2 gal
7/8/2019	175.6	176.1	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	130.4 gal
7/15/2019	176.1	176.6	Maintenance & Testing	DB	0.5	0	75%	5.2 gal	135.6 gal
7/22/2019	176.6	177.1	Maintenance & Testing	GP	0.5	0	75%	5.2 gal	140.8 gal
7/29/2019	177.1	177.6	Maintenance & Testing	RR	0.5	0	75%	5.2 gal	146.0 gal
8/5/2019	177.6	178.1	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	151.2 gal
8/12/2019	178.1	178.6	Maintenance & Testing	FP	0.5	0	75%	5.2 gal	156.4 gal
8/19/2019	178.6	179.1	Maintenance & Testing	GP	0.5	0	100%	5.2 gal	161.6 gal
8/26/2019	179.1	179.6	Maintenance & Testing	RR	0.5	0	95%	5.2 gal	166.8 gal
9/2/2019	179.6	180.1	Maintenance & Testing	JM	0.5	0	95%	5.2 gal	172.0 gal
9/9/2019	180.1	180.6	Maintenance & Testing	DB	0.5	0	95%	5.2 gal	177.2 gal
9/16/2019	180.6	181.1	Maintenance & Testing	GP	0.5	0	90%	5.2 gal	182.4 gal
9/23/2019	181.1	181.6	Maintenance & Testing	RR	0.5	0	90%	5.2 gal	187.6 gal
9/30/2019	181.6	182.1	Maintenance & Testing	JM	0.5	0	90%	5.2 gal	192.8 gal
10/7/2019	182.1	182.6	Maintenance & Testing	FP	0.5	0	85%	5.2 gal	208.0 gal
10/14/2019	182.6	183.1	Maintenance & Testing	FP	0.5	0	85%	5.2 gal	213.2 gal
				TOTAL HOURS	183.1 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