

DOCKETED

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Project Title:	MARIPOSA ENERGY PROJECT - Compliance
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Document Title:	QUARTERLY COMPLIANCE REPORT- Q4 2020
Description:	QUARTERLY COMPLIANCE REPORT- Q4 2020
Filer:	Anwar Ali
Organization:	Mariposa Energy LLC
Submitter Role:	Commission Staff
Submission Date:	4/9/2021 3:34:03 PM
Docketed Date:	4/9/2021



Mariposa Energy, LLC

4887 Bruns Road, Byron, CA 94514

Tel: (209) 830-1401

January 18, 2021

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

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

Subject: CEC Condition of Certification AQ-SC8:
Quarterly Compliance Report for Quarter-Ending December 31, 2020

Dear Mr. Ali,

To demonstrate ongoing compliance with the California Energy Commission ("CEC") and Bay Area Air Quality Management District ("BAAQMD") regulations, Mariposa Energy, LLC (previously Mariposa Energy Project) is submitting its Quarterly Compliance Report ("QCR") including Attachment 1, "Compliance Summary", for quarter-ending December 31, 2020. As required, a copy of the report is also being sent to the BAAQMD. This QCR is being submitted to satisfy the requirements of:

- CEC - Mariposa Energy Project "Commission Decision", (Docket No. 09-AFC-3) – Cond. AQ-SC8.
- BAAQMD - Permit to Operate, Plant #19730, Condition #24955, Part 33.
- United States Environmental Protection Agency, Code of Federal regulations, Title 40, Part 60, Subpart KKKK, Section 4375 (40 CFR 60.4375).

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 NO_x Emissions Limits: Hourly Mass Rate and Hourly Average Concentration Report: Report of hourly (rolling 60-minute) NO_x 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 NH₃ 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 & SO₂ Report: Report demonstrating compliance with hourly POC and SO₂ emission limits for Combustion Turbine Generator (CTG) units 600 (S-1), 700 (S-2), 800 (S-3), and 900 (S-4).
- Attachment 11: Condition AQ-18 Startup and Shutdown Emission Limits Report: Report of startup and shutdown emissions for CTG Units 600 (S-1), 700 (S-2), 800 (S-3), and 900 (S-4).
- Attachment 12: Condition AQ-19 Daily Emission Limits: NO_x, CO, POC, and SO₂ Emissions Report: Report demonstrating compliance with daily NO_x, CO, POC and SO₂ limits for all CTG units combined.
- Attachment 13: Condition AQ-20 Cumulative Rolling 12-month CTG Emissions: NO_x, CO, POC, PM₁₀, SO₂ Emissions Report: Report demonstrating compliance with consecutive 12-month NO_x, CO, POC, PM₁₀ and SO₂ 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) SO₂ Allowances and 40 CFR Part 75 CEM Requirements Report: Report demonstrating compliance with Condition AQ-38 requiring holding of SO₂ 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,

Wayne Forsyth

Wayne Forsyth – Program Manager, EHS& Regulatory
Mariposa Energy, LLC
633 West Fifth Street, Suite 2700
Los Angeles, California 90071-1519

cc: Davis Zhu (BAAQMD)
Bhagavan Krishnaswamy (BAAQMD)

Mariposa Energy, LLC

Quarterly Compliance Report
Quarter Ending December 31, 2020

Mariposa Energy, LLC

Quarterly Compliance Report

Quarter Ending December 31, 2020

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

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

Attachment 1: Compliance Summary

Attachment 2: Condition AQ-11 Monthly Natural Gas Fuel Analyses

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

Attachment 4: Condition AQ-14 Heat Input Limit: Rolling 12-Month combined CTG Heat Input Report

Attachment 5: Condition AQ-15a/b Operating Hour Limits: Rolling 12-Month Individual and Combined CTG Hours Report

Attachment 6: Condition AQ-16 SCR/Oxidation Catalyst Operation Report

Attachment 7: Condition AQ-17a/b NO_x 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 NH₃ Emission Limits: Rolling 3-Hr Slip Calculation Report

Attachment 10: Condition AQ-17f/g Hourly Mass Emission Limits: POC & SO₂ Report

Attachment 11: Condition AQ-18 Startup and Shutdown Emission Limits Report

Attachment 12: Condition AQ-19 Daily Emission Limits: NO_x, CO, POC, SO₂ Emissions Report

Attachment 13: Condition AQ-20 Cumulative Rolling 12-month CTG Emissions: NO_x, CO, POC, PM₁₀, SO₂ 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) SO₂ 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.	<u>Sulfur Content</u> (gr/100 scf) October 2020: 0.20 November 2020: 0.20 December 2020: 0.14 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.	<u>Maximum MMBtu/hr</u> S-1: 457 S-2: 444 S-3: 448 S-4: 446 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.	<u>Maximum MMBtu/day</u> S-1: 3,486 S-2: 3,420 S-3: 4,761 S-4: 4,302 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).	<u>MMBTU/yr (12-mo)</u> Ending 10/2020: 1,128,026 Ending 11/2020: 1,090,276 Ending 12/2020: 1,111,489 In Compliance	Attachment 4
AQ-15a	Maximum annual hours of operation per turbine.	5,200 hours per year per turbine.	<u>Maximum Hr/yr</u> S-1: 1,002 (10/2020) S-2: 1,046 (10/2020) S-3: 984 (10/2020) S-4: 917 (12/2020) 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.	<u>Combined Hours/yr</u> 12 mo Ending 10/20: 3,947 12 mo Ending 11/20: 3,831 12 mo Ending 12/20: 3,878 In Compliance	Attachment 5

Mariposa Energy, LLC
CEC Quarterly Air Compliance Report

COMPLIANCE SUMMARY

Condition	Condition Description	Verification or Limit	Status	Section
AQ-16	The owner/operator shall ensure that each Gas Turbine (S-1, S-2, S-3, S-4) is abated by the properly operated and properly maintained Selective Catalytic Reduction (SCR) System A-2, A-4, A-6, or A-8 and Oxidation Catalyst System A-1, A-3, A-5, or A-7 whenever fuel is combusted at those sources and the corresponding SCR catalyst bed (A-2, A-4, A-6 or A-8) has reached minimum operating temperature.	The owner/operator shall make the site 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.	<u>Max NOx lb/hr:</u> S-1: 3.5 S-2: 3.4 S-3: 3.4 S-4: 3.5 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.	<u>Max NOx, ppmvd @ 15%O₂:</u> S-1: 2.1 S-2: 2.4 S-3: 2.3 S-4: 2.3 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.	<u>Max CO lb/hr:</u> S-1: 2.04 S-2: 1.85 S-3: 1.94 S-4: 2.00 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.	<u>Max CO, ppmvd @ 15% O₂:</u> S-1: 1.7 S-2: 1.8 S-3: 1.8 S-4: 1.8 In Compliance	Attachment 8

Mariposa Energy, LLC
CEC Quarterly Air Compliance Report

COMPLIANCE SUMMARY

Condition	Condition Description	Verification or Limit	Status	Section
AQ-17 cont'd	e. 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.	<u>Max NH₃, ppmvd @ 15% O₂:</u> S-1: 4 S-2: 3 S-3: 3 S-4: 4 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.	<u>Max POC lb/hr:</u> S-1: 0.028 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.	<u>Max SO₂ lb/hr:</u> S-1: 0.276 S-2: 0.179 S-3: 0.224 S-4: 0.134 In Compliance	Attachment 10
AQ-18	Maximum startup emissions of NO _x (as NO ₂), CO, and POC (as CH ₄) (lb/startup).	NO _x (NO ₂): 14.2 lb/startup	<u>Max NO_x Startup Emissions, lb</u> S-1: 12.4 S-2: 9.3 S-3: 10.0 S-4: 10.5 In Compliance	Attachment 11

Mariposa Energy, LLC
CEC Quarterly Air Compliance Report

COMPLIANCE SUMMARY

Condition	Condition Description	Verification or Limit	Status	Section
AQ-18 cont'd		CO: 14.1 lb/startup	<u>Max CO Startup Emissions, lb</u> S-1: 1.2 S-2: 1.8 S-3: 1.8 S-4: 1.6 In Compliance	Attachment 11
		POC (as CH ₄): 1.1 lb/startup	<u>Max POC Startup Emissions, lb</u> S-1: 0.0 S-2: 0.0 S-3: 0.0 S-4: 0.0 In Compliance	Attachment 11
	Maximum hourly emissions of NO _x (as NO ₂), CO, and POC (as CH ₄) <u>with startup</u> .	NO _x (NO ₂): 18.5 lb/hour	<u>Max NO_x Emissions, lb/hr</u> S-1: 12.4 S-2: 9.7 S-3: 10.6 S-4: 11.0 In Compliance	Attachment 11
		CO: 17.3 lb/hour	<u>Max CO Emissions, lb/hr</u> S-1: 2.0 S-2: 2.5 S-3: 1.9 S-4: 2.1 In Compliance	Attachment 11
		POC (as CH ₄): 1.4 lb/hour	<u>Max POC Emissions lb/hr</u> S-1: 0.03 S-2: 0.03 S-3: 0.04 S-4: 0.03 In Compliance	Attachment 11

Mariposa Energy, LLC
CEC Quarterly Air Compliance Report

COMPLIANCE SUMMARY

Condition	Condition Description	Verification or Limit	Status	Section
AQ-18 cont'd	Maximum shutdown emissions of NOx (as NO2), CO, and POC (as CH4) (lb/shutdown).	NOx (NO2): 3.2 lb/shutdown	<u>Max Shutdown Emissions, lb</u> S-1: 1.6 S-2: 1.3 S-3: 2.0 S-4: 2.1 In Compliance	Attachment 11
		CO: 2.7 lb/shutdown	<u>Max Shutdown Emissions, lb</u> S-1: 0.3 S-2: 0.4 S-3: 0.4 S-4: 0.2 In Compliance	Attachment 11
		POC (as CH4): 0.12 lb/shutdown	<u>Max Shutdown Emissions lb</u> S-1: 0.00 S-2: 0.00 S-3: 0.00 S-4: 0.00 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 NO2) emissions.	NOx (as NO2): 1100 lb/day	Max lb/day NOx: 146	Attachment 12
	b. Maximum daily CO emissions.	CO: 934 lb/day	Max lb/day CO: 59	
	c. Maximum daily POC emissions.	POC (as CH4): 95 lb/day	Max lb/day POC: 1	
	d. Maximum daily SO2 emissions.	SO2: 130 lb/day	Max lb/day SO2: 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):			Attachment 13
	a. Maximum annual NOx (as NO2) emissions.	NOx (as NO2): 45.6 ton/year	<u>Cumulative Ton/Yr</u> Ending 10/31/2020: 7.7 Ending 11/30/2020: 7.3 Ending 12/31/2020: 7.4 In Compliance	

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 10/31/2020: 2.5 Ending 11/30/2020: 2.4 Ending 12/31/2020: 2.4 In Compliance	Attachment 13
	c. Maximum annual POC (as CH ₄) emissions.	POC (as CH ₄): 5.6 ton/year	Ending 10/31/2020: 0.0 Ending 11/30/2020: 0.0 Ending 12/31/2020: 0.0 In Compliance	Attachment 13
	d. Maximum annual PM10 emissions. Emissions of PM10 from each gas turbine shall be calculated by multiplying turbine fuel usage times an emission factor determined by source testing of the turbine conducted in accordance with Part 26. The emission factor for each turbine shall be based on the average of the emissions rates observed during the 4 most recent source tests on that turbine (or, prior to the completion of 4 source tests on a turbine, on the average of the emission rates observed during all source tests on the turbine).	PM10: 18.6 ton/year	Ending 10/31/2020: 0.8 Ending 11/30/2020: 0.7 Ending 12/31/2020: 0.7 In Compliance	Attachment 13
	e. Maximum annual SO ₂ emissions.	SO ₂ : 2.9 ton/year	Ending 10/31/2020: 0.3 Ending 11/30/2020: 0.2 Ending 12/31/2020: 0.3 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.	<u>Cumulative Ton/Year</u> Ending 10/31/2020: 0.34 Ending 11/30/2020: 0.33 Ending 12/31/2020: 0.33 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 1 st Quarter of 2020 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 1Q 2020 Monthly CEMS Reports summary pages as submitted to BAAQMD. In Compliance	Attachment 16
AQ-39	Cumulative combined annual (any consecutive twelve-month period) operating hours for reliability-related testing of S-6 Emergency Standby Diesel Fire Pump Engine:			
	The owner/operator shall not exceed 50 hours per year per engine for reliability-related testing.	A summary of significant operation and maintenance events and monitoring records shall be included in the quarterly operation report.	Ending 10/31/2020: 26.4 Ending 11/30/2020: 26.9 Ending 12/31/2020: 26.4 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 <u>12-Mo Hrs Ending 10/31/20:</u> Total Hrs Operated: 26.4 Hrs Op as allowed: 26.4 <u>12-Mo Hrs Ending 11/30/20:</u> Total Hrs Operated: 26.9 Hrs Op as allowed: 26.9 <u>12-Mo Hrs Ending 12/31/20:</u> Total Hrs Operated: 26.4 Hrs Op as allowed: 26.4 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

October 13, 2020

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

TEL: (209) 830-1401
FAX:

Project ID: Master
RE: 2010037

Dear Kevin Kringle:

Zalco Laboratories, Inc. received 1 samples on 10/6/2020 for the analyses presented in the following report.

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

Sincerely,


Juan Magana
Project Manager
CC:

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

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



ZALCO LABORATORIES, INC.

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 #: Master
Attention: Kevin Kringle

Work Order No.: 2010037
Reported: 10/13/2020
Received: 10/06/2020 10:48

Lab Sample ID: 2010037-01
Client Sample ID: Fuel Gas Sample

Collected By: Kevin Kringle
Date Collected: 10/5/2020 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 D6228	10/8/20	10/8/20	MO
Sulfur	0.198	0.060	gr/100 scf		ASTM D3246-11	10/8/20	10/8/20	MO
Total Sulfur/Hydrogen Sulfide by ASTM D3246								
Total Sulfur	3.26	1.00	ppm		ASTM D 3246/M	10/8/20	10/8/20	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.

**ZALCO LABORATORIES, INC.**

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

Mariposa Energy Project
4887 Bruns Rd
Byron CA 94514

Attention: Kevin Kringle

Sample Description: Fuel Gas Sample
 Sampled: 10/5/2020 @ 7:25:00 AM by Kevin Kringle

Laboratory No: 2010037-01
Date Received: 10/06/20
Date Analyzed: 10/06/20
Date Completed: 10/13/20 9:33 AM

Chromatographic Analysis, ASTM D-1945-14, ASTM D-3246-15

Constituent:	Result	Units
Sulfur	0.20	grs S/100 SCF
Total Sulfur	3.26	ppmv

Chromatographic Analysis, ASTM D-1945-14, ASTM D-3588-98, GPA 2145-16, ASTM D-3246-15

Constituent:	Mole %	Weight %	GPM	GPM Fractions	CHONS%
Oxygen	0.299	0.557	(Gallons per		Carbon, C
Nitrogen	1.175	1.914	1000.000		72.70
Hydrogen	0.000	0.000	cubic feet)		Hydrogen, H
Carbon Dioxide	0.665	1.703			23.59
Carbon Monoxide	0.000	0.000			
Hydrogen Sulfide	0.000	0.000			Oxygen, O
Methane	93.025	86.763			1.79
Ethane	4.229	7.393			
Propane	0.485	1.242	0.133	(C3....C3) = 0.133	Nitrogen, N
IsoButane	0.046	0.155	0.015		1.91
n-Butane	0.058	0.195	0.018	(C3....C4) = 0.166	
IsoPentane	0.009	0.040	0.003		Sulfur, S
n-Pentane	0.007	0.028	0.002	(C3....C5) = 0.172	0.00
Hexanes +	0.002	0.011	0.001	(C3....C6+) = 0.173	
Totals:	100.00	100.00	0.173	0.645	100.00

Flammable Gases: 97.860
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	1030.70	22739.55	1012.77
Net, Ideal Gas	929.45	20505.33	913.27
Gross, Real Gas	1032.97		1015.00
Net, Real Gas	931.49		915.29

Relative Gas Density; [Air=1] Ideal:	0.5939	"F" Factor, DSCF/MMBtu @ 60F	8514	9441.5
Specific Gravity, [Air=1] Real gas:	0.5948	"F" Factor, DSCF/MMBtu @ 68F	8643	9585.3
Real Gas Density, Lb/Cu.Ft.:	0.0454	"F" Factor, DSCF/MMBtu @ 70F	8676	9621.7
Specific Volume, Cu.Ft./Lb:	22.0134	"FC" Factor, DSCF CO2/MMBtu @ 60F	1010.8	1121.0
Relative Liquid Density @ 60F/60F:	0.3144	"FC" Factor, DSCF CO2/MMBtu @ 68F	1026.2	1138.0
Compressibility, 'z':	0.9978			
Fuel kg per kg-mole Molecular wt avg	17.200			

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

CHAIN OF CUSTODY, ID#

Client PO: 13880

Project ID:

Quote ID:

ANALYSIS REQUESTED

201003

[illegible]

Relinquished By:	Company	Date	Time	Received By:	Company:
Kevin Kringle	Mariposa Energy Project	10/5/2020	7:32	YSS 10/16/2020 10:48	Zalco

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

Sample Type Key:

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



ZALCO LABORATORIES, INC.

Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

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

November 10, 2020

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

TEL: (209) 830-1401
FAX:

Project ID: Master
RE: 2011021

Dear Kevin Kringle:

Zalco Laboratories, Inc. received 1 samples on 11/3/2020 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

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Bakersfield, California 93308

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

Mariposa Energy Project
4887 Bruns Rd
Byron, CA 94514

Project: Master
Project #: Master
Attention: Kevin Kringle

Work Order No.: 2011021
Reported: 11/10/2020
Received: 11/03/2020 13:37

Lab Sample ID: 2011021-01

Collected By: Kevin Kringle

Client Sample ID: Fuel Gas Sample

Date Collected: 11/2/2020 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 D6228	11/4/20	11/4/20	MO
Sulfur	0.197	0.060	gr/100 scf		ASTM D3246-11	11/4/20	11/4/20	MO
Total Sulfur/Hydrogen Sulfide by ASTM D3246								
Total Sulfur	3.26	1.00	ppm		ASTM D 3246/M	11/4/20	11/4/20	MO

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

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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
4887 Bruns Rd
Byron

CA 94514

Attention: Kevin Kringle

Sample Description: Fuel Gas Sample
 Sampled: 11/2/2020 @ 7:25:00 AM by Kevin Kringle

Laboratory No: 2011021-01
Date Received: 11/03/20
Date Analyzed: 11/04/20
Date Completed: 11/10/20 10:38 AM

Chromatographic Analysis, ASTM D-1945-14, ASTM D-3246-15

Constituent:	Result	Units
Sulfur	0.20	grs S/100 SCF
Total Sulfur	3.26	ppmv

Chromatographic Analysis, ASTM D-1945-14, ASTM D-3588-98, GPA 2145-16, ASTM D-3246-15

Constituent:	Mole %	Weight %	GPM	GPM Fractions	CHONS%
Oxygen	0.208	0.388	(Gallons per		Carbon, C
Nitrogen	0.861	1.403	1000.000		73.03
Hydrogen	0.000	0.000	cubic feet)		Hydrogen, H
Carbon Dioxide	0.812	2.078			23.67
Carbon Monoxide	0.000	0.000			
Hydrogen Sulfide	0.000	0.000			Oxygen, O
Methane	93.295	87.076			1.90
Ethane	4.225	7.391			
Propane	0.470	1.205	0.129	(C3....C3) = 0.129	Nitrogen, N
IsoButane	0.048	0.162	0.016		1.40
n-Butane	0.058	0.198	0.018	(C3....C4) = 0.163	
IsoPentane	0.012	0.048	0.004		Sulfur, S
n-Pentane	0.008	0.036	0.003	(C3....C5) = 0.171	0.00
Hexanes +	0.003	0.015	0.001	(C3....C6+) = 0.172	
Totals:	100.00	100.00	0.172	0.635	100.00

Flammable Gases: 98.119
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	1033.27	22812.28	1015.29
Net, Ideal Gas	931.76	20570.81	915.55
Gross, Real Gas	1035.56		1017.55
Net, Real Gas	933.83		917.58

Relative Gas Density; [Air=1] Ideal:	0.5935	"F" Factor, DSCF/MMBtu @ 60F	8515	9443.3
Specific Gravity, [Air=1] Real gas:	0.5944	"F" Factor, DSCF/MMBtu @ 68F	8645	9587.1
Real Gas Density, Lb/Cu.Ft.:	0.0454	"F" Factor, DSCF/MMBtu @ 70F	8678	9623.5
Specific Volume, Cu.Ft./Lb:	22.0285	"FC" Factor, DSCF CO2/MMBtu @ 60F	1012.2	1122.5
Relative Liquid Density @ 60F/60F:	0.3137	"FC" Factor, DSCF CO2/MMBtu @ 68F	1027.6	1139.6
Compressibility, 'z':	0.9978			
Fuel kg per kg-mole Molecular wt avg	17.188			



ZALCO LABORATORIES, INC.

Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

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

December 10, 2020

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

TEL: (209) 830-1401
FAX:

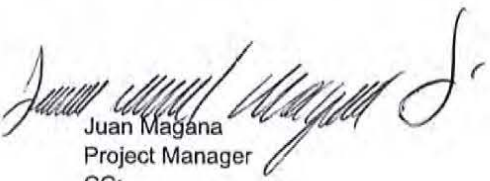
Project ID: Master
RE: 2012062

Dear Kevin Kringle:

Zalco Laboratories, Inc. received 1 samples on 12/3/2020 for the analyses presented in the following report.

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

Sincerely,


Juan Magana
Project Manager
CC:

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

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



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Bakersfield, California 93308

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

Mariposa Energy Project
4887 Bruns Rd
Byron, CA 94514

Project: Master
Project #: Master
Attention: Kevin Kringle

Work Order No.: 2012062
Reported: 12/10/2020
Received: 12/03/2020 14:16

Lab Sample ID: 2012062-01

Collected By: Kevin Kringle

Client Sample ID: Fuel Gas Sample

Date Collected: 12/2/2020 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 D6228	12/4/20	12/4/20	MO
Sulfur	0.144	0.060	gr/100 scf		ASTM D3246-11	12/4/20	12/4/20	MO
Total Sulfur/Hydrogen Sulfide by ASTM D3246								
Total Sulfur	2.40	1.00	ppm		ASTM D3246/M	12/4/20	12/4/20	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.

**ZALCO LABORATORIES, INC.**

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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

Sample Description: Fuel Gas Sample
 Sampled: 12/2/2020 @ 7:25:00 AM by Kevin Kringle

Laboratory No: 2012062-01
Date Received: 12/03/20
Date Analyzed: 12/04/20
Date Completed: 12/10/20 9:18 AM

Chromatographic Analysis, ASTM D-1945-14, ASTM D-3246-15

Constituent:	Result	Units
Sulfur	0.14	grs S/100 SCF
Total Sulfur	2.40	ppmv

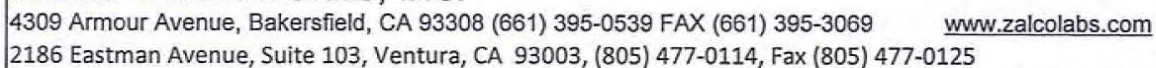
Chromatographic Analysis, ASTM D-1945-14, ASTM D-3588-98, GPA 2145-16, ASTM D-3246-15

Constituent:	Mole %	Weight %	GPM	GPM Fractions	CHONS%
Oxygen	7.514	11.167	(Gallons per		Carbon, C
Nitrogen	28.882	37.574	1000.000		37.96
Hydrogen	0.000	0.000	cubic feet)		Hydrogen, H
Carbon Dioxide	0.746	1.524			12.19
Carbon Monoxide	0.000	0.000			Oxygen, O
Hydrogen Sulfide	0.000	0.000			12.28
Methane	59.162	44.078			
Ethane	3.252	4.541			
Propane	0.243	0.498	0.067	(C3....C3) = 0.067	Nitrogen, N
IsoButane	0.039	0.105	0.013		37.57
n-Butane	0.050	0.136	0.016	(C3....C4) = 0.095	
IsoPentane	0.045	0.152	0.017		Sulfur, S
n-Pentane	0.060	0.202	0.022	(C3....C5) = 0.134	0.00
Hexanes +	0.005	0.022	0.002	(C3....C6+) = 0.136	
Totals:	100.00	100.00	0.136	0.432	100.00

Flammable Gases: 62.858
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	668.60	11783.19	656.97
Net, Ideal Gas	603.12	10629.09	592.63
Gross, Real Gas	669.54		657.89
Net, Real Gas	603.97		593.47

Relative Gas Density; [Air=1] Ideal:	0.7435	"F" Factor, DSCF/MMBtu @ 60F	8531	9457.7
Specific Gravity, [Air=1] Real gas:	0.7439	"F" Factor, DSCF/MMBtu @ 68F	8661	9601.7
Real Gas Density, Lb/Cu.Ft.:	0.0568	"F" Factor, DSCF/MMBtu @ 70F	8694	9638.2
Specific Volume, Cu.Ft./Lb:	17.5986	"FC" Factor, DSCF CO2/MMBtu @ 60F	1018.7	1129.3
Relative Liquid Density @ 60F/60F:	0.4551	"FC" Factor, DSCF CO2/MMBtu @ 68F	1034.2	1146.5
Compressibility, 'z':	0.9986			
Fuel kg per kg-mole Molecular wt avg	21.533			



--

Quote ID:

2017062

Relinquished By:	Company	Date	Time	Received By:	Company:
Kevin Kringle	Mariposa Energy Project	12/2/2020	7:32	MS 12-3-20 14:16	2aico.

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

Attachment 3

Condition AQ-12/13: Heat Input Report

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

1/2/2021 11:22:09 AM

Page 1 of 3

Unit Name: Mariposa Facility**Report Start Date/Time :** Thu 10/01/2020 0:00**Report End Date/Time :** Thu 12/31/2020 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour mmBTU/Hr Limit 500	S-2:Unit 700 Max 1-Hour mmBTU/Hr Limit 500	S-3:Unit 800 Max 1-Hour mmBTU/Hr Limit 500	S-4:Unit 900 Max 1-Hour mmBTU/Hr Limit 500	S-1:Unit 600 Total mmBTU/Day Limit 11544	S-2:Unit 700 Total mmBTU/Day Limit 11544	S-3:Unit 800 Total mmBTU/Day Limit 11544	S-4:Unit 900 Total mmBTU/Day Limit 11544
10/01/2020 0:00	321	311	376	375	1654	1758	2227	2238
10/02/2020 0:00	270	268	270	275	963	1240	964	1275
10/03/2020 0:00	340	318	319	337	1126	742	1082	781
10/04/2020 0:00	409	402	308	315	980	959	597	605
10/05/2020 0:00	408	402	406	400	1850	1818	1845	1837
10/06/2020 0:00	318	316	316	320	1446	1423	1419	1436
10/07/2020 0:00	290	264	261	291	1118	645	640	1120
10/08/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/09/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/10/2020 0:00	386	368	243	245	812	812	315	320
10/11/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/12/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/13/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/14/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/15/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/16/2020 0:00	220	218	221	224	392	384	388	391
10/17/2020 0:00	166	154	155	157	307	289	295	297
10/18/2020 0:00	268	Down	260	Down	1112	Down	593	Down
10/19/2020 0:00	Down	260	Down	Down	Down	1333	Down	Down
10/20/2020 0:00	273	Down	Down	Down	788	Down	Down	Down
10/21/2020 0:00	274	255	262	Down	284	266	803	Down
10/22/2020 0:00	257	296	297	261	350	988	712	360
10/23/2020 0:00	298	299	263	275	1299	670	632	763
10/24/2020 0:00	268	Down	16	Down	572	Down	16	Down
10/25/2020 0:00	Down	Down	264	Down	Down	Down	4761	Down
10/26/2020 0:00	156	153	256	Down	292	287	278	Down
10/27/2020 0:00	Down	272	256	Down	Down	1080	284	Down
10/28/2020 0:00	257	Down	256	267	286	Down	284	455
10/29/2020 0:00	259	257	331	332	512	509	939	1247
10/30/2020 0:00	286	282	Down	267	1009	1002	Down	938
10/31/2020 0:00	Down	Down	Down	290	Down	Down	Down	1418
11/01/2020 0:00	359	303	313	268	923	845	836	3054
11/02/2020 0:00	278	260	261	268	1609	1163	1165	1606
11/03/2020 0:00	328	299	265	329	1809	1156	729	1528
11/04/2020 0:00	385	377	382	300	2338	1476	1860	2074
11/05/2020 0:00	271	269	268	365	1850	1836	1833	2522
11/06/2020 0:00	256	256	254	267	1114	1639	1107	1130
11/07/2020 0:00	256	254	254	263	795	790	790	820
11/08/2020 0:00	251	250	150	259	694	678	288	698
11/09/2020 0:00	255	421	424	395	1576	2116	1786	1726
11/10/2020 0:00	262	252	254	266	1322	842	1627	1342
11/11/2020 0:00	259	259	261	265	888	995	729	741
11/12/2020 0:00	257	256	253	258	732	728	454	463
11/13/2020 0:00	255	252	254	266	1387	1380	1382	1423
11/14/2020 0:00	255	254	256	260	407	405	408	415
11/15/2020 0:00	425	323	327	417	1586	1337	1345	1590

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

1/2/2021 11:22:09 AM

Page 2 of 3

Unit Name: Mariposa Facility**Report Start Date/Time :** Thu 10/01/2020 0:00**Report End Date/Time :** Thu 12/31/2020 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour mmBTU/Hr Limit 500	S-2:Unit 700 Max 1-Hour mmBTU/Hr Limit 500	S-3:Unit 800 Max 1-Hour mmBTU/Hr Limit 500	S-4:Unit 900 Max 1-Hour mmBTU/Hr Limit 500	S-1:Unit 600 Total mmBTU/Day Limit 11544	S-2:Unit 700 Total mmBTU/Day Limit 11544	S-3:Unit 800 Total mmBTU/Day Limit 11544	S-4:Unit 900 Total mmBTU/Day Limit 11544
11/16/2020 0:00	255	253	255	259	1324	1315	1324	1346
11/17/2020 0:00	256	255	295	297	1146	1139	1631	1655
11/18/2020 0:00	259	257	257	261	1323	1312	1314	1335
11/19/2020 0:00	256	Down	255	262	413	Down	410	289
11/20/2020 0:00	311	Down	263	Down	1333	Down	842	Down
11/21/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/22/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/23/2020 0:00	264	Down	Down	Down	486	Down	Down	Down
11/24/2020 0:00	Down	Down	266	Down	Down	Down	1620	Down
11/25/2020 0:00	Down	Down	265	Down	Down	Down	900	Down
11/26/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/27/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/28/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/29/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/30/2020 0:00	Down	Down	333	Down	Down	Down	1660	Down
12/01/2020 0:00	305	302	305	307	1060	1047	1073	1075
12/02/2020 0:00	456	429	388	388	1921	1827	2187	2220
12/03/2020 0:00	332	284	286	302	1354	1262	869	1217
12/04/2020 0:00	457	423	431	428	3375	3291	4105	4302
12/05/2020 0:00	304	305	299	304	1979	1971	1545	1580
12/06/2020 0:00	292	275	281	282	1528	1467	1486	1509
12/07/2020 0:00	399	335	337	341	2920	2734	2172	2053
12/08/2020 0:00	265	263	263	264	1208	1200	602	601
12/09/2020 0:00	277	305	273	313	1728	2231	2277	2712
12/10/2020 0:00	411	402	414	405	2238	2706	2733	2332
12/11/2020 0:00	443	438	441	442	3351	2932	3265	2964
12/12/2020 0:00	457	444	448	446	2716	2670	2666	2664
12/13/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/14/2020 0:00	293	Down	289	279	2316	Down	2309	1919
12/15/2020 0:00	390	295	392	395	2073	719	3180	2909
12/16/2020 0:00	433	409	Down	378	3486	3420	Down	2767
12/17/2020 0:00	134	144	254	268	267	277	278	585
12/18/2020 0:00	362	Down	367	365	1214	Down	999	1644
12/19/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/20/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/21/2020 0:00	271	Down	258	262	378	Down	688	990
12/22/2020 0:00	290	268	289	Down	1000	337	710	Down
12/23/2020 0:00	Down	144	254	261	Down	285	667	1077
12/24/2020 0:00	Down	256	256	263	Down	575	290	298
12/25/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/26/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/27/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/28/2020 0:00	262	199	Down	Down	637	348	Down	Down
12/29/2020 0:00	Down	272	157	279	Down	605	301	622
12/30/2020 0:00	279	269	229	Down	998	688	238	Down
12/31/2020 0:00	Down	255	278	282	Down	577	1079	1097

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

1/2/2021 11:22:09 AM

Page 3 of 3

Unit Name: Mariposa Facility**Report Start Date/Time :** Thu 10/01/2020 0:00**Report End Date/Time :** Thu 12/31/2020 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:					79958	70527	80834	80377
Average:	303	291	286	305	1290	1216	1225	1410
Maximum:	457	444	448	446	3486	3420	4761	4302
Minimum:	134	144	16	157	267	266	16	289

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)

1/2/2021 11:22:25 AM

Page 1 of 1

Unit Name: Mariposa Facility

DATE/TIME	S-1:Unit 600 Total MMbtu	S-2:Unit 700 Total MMbtu	S-3:Unit 800 Total MMbtu	S-4:Unit 900 Total MMbtu	Facility Total MMbtu Annual Limit 8,128,900
10/2020	291,185	298,311	280,225	258,305	1,128,026
11/2020	280,553	286,031	272,876	250,815	1,090,276
12/2020	286,802	286,625	277,605	260,457	1,111,489
Maximum:	291,185	298,311	280,225	260,457	1,128,026
Minimum:	280,553	286,031	272,876	250,815	1,090,276

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)

1/2/2021 11:22:41 AM

Page 1 of 1

Unit Name: Mariposa Facility

DATE/TIME	S-1:Unit 600 Operating Hrs Limit 5,200	S-2:Unit 700 Operating Hrs Limit 5,200	S-3:Unit 800 Operating Hrs Limit 5,200	S-4:Unit 900 Operating Hrs Limit 5,200	Facility Operating Hrs Limit 16,900
10/2020	1,002	1,046	984	915	3,947
11/2020	972	1,007	960	892	3,831
12/2020	985	1,003	973	917	3,878
Maximum:	1,002	1,046	984	917	3,947
Minimum:	972	1,003	960	892	3,831

Attachment 6

Condition AQ-16: SCR/Oxidation Catalyst Operation Report

Condition AQ-16: SCR/Oxidation Catalyst Operation Report

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

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

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

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

Attachment 7

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

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

1/2/2021 11:22:56 AM

Page 1 of 3

Unit Name: Mariposa Facility**Report Start Date/Time :** Thu 10/01/2020 0:00**Report End Date/Time :** Thu 12/31/2020 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 ppmc Limit 2.5	S-2:Unit 700 Max 1-Hour NOx ppmc Limit 2.5	S-3:Unit 800 Max 1-Hour NOx ppmc Limit 2.5	S-4:Unit 900 Max 1-Hour NOx ppmc Limit 2.5
10/01/2020 0:00	2.0	2.0	2.4	2.7	1.9	1.9	2.0	1.9
10/02/2020 0:00	2.0	1.9	1.9	1.3	2.0	1.9	1.9	1.3
10/03/2020 0:00	2.4	2.0	3.2	1.9	1.9	1.9	2.3	1.7
10/04/2020 0:00	2.7	2.8	2.2	1.9	1.8	1.9	2.0	1.7
10/05/2020 0:00	2.6	2.7	2.8	2.6	1.7	1.8	1.9	2.0
10/06/2020 0:00	2.0	2.2	2.4	2.3	1.7	1.7	1.9	1.8
10/07/2020 0:00	1.8	1.8	1.8	1.7	1.6	1.9	1.9	1.6
10/08/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/09/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/10/2020 0:00	2.8	2.7	0.6	0.7	1.8	1.9	0.6	0.7
10/11/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/12/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/13/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/14/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/15/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/16/2020 0:00	0.3	0.4	0.4	0.7	0.3	0.4	0.4	0.7
10/17/2020 0:00	0.7	0.7	0.7	0.2	0.6	0.7	0.7	0.2
10/18/2020 0:00	1.9	Down	2.2	Down	1.9	Down	2.3	Down
10/19/2020 0:00	Down	1.9	Down	Down	Down	2.0	Down	Down
10/20/2020 0:00	1.9	Down	Down	Down	1.9	Down	Down	Down
10/21/2020 0:00	0.4	0.5	1.9	Down	0.4	0.5	2.0	Down
10/22/2020 0:00	0.8	2.3	2.2	1.0	0.9	2.0	2.0	1.0
10/23/2020 0:00	1.8	2.1	1.7	1.9	1.8	1.9	1.7	1.8
10/24/2020 0:00	1.6	Down	Down	Down	1.6	Down	Down	Down
10/25/2020 0:00	Down	Down	1.9	Down	Down	Down	2.0	Down
10/26/2020 0:00	0.6	0.5	0.4	Down	0.6	0.5	0.5	Down
10/27/2020 0:00	Down	1.9	0.6	Down	Down	2.0	0.6	Down
10/28/2020 0:00	0.6	Down	0.5	1.0	0.6	Down	0.5	1.0
10/29/2020 0:00	1.5	1.4	2.1	2.8	1.5	1.5	1.7	2.3
10/30/2020 0:00	1.8	2.4	Down	1.9	1.6	2.1	Down	2.0
10/31/2020 0:00	Down	Down	Down	1.9	Down	Down	Down	1.9
11/01/2020 0:00	2.1	2.8	2.6	1.9	1.6	2.2	2.0	2.0
11/02/2020 0:00	1.6	1.8	1.9	1.8	1.7	1.9	2.0	1.8
11/03/2020 0:00	2.2	1.8	1.7	2.8	1.8	1.9	1.8	2.1
11/04/2020 0:00	2.4	3.1	3.3	2.3	1.7	2.2	2.1	2.0
11/05/2020 0:00	1.7	1.7	1.5	2.8	1.7	1.7	1.6	2.0
11/06/2020 0:00	1.8	1.8	1.8	1.5	1.9	1.9	1.9	1.5
11/07/2020 0:00	1.7	1.7	1.7	1.6	1.8	1.8	1.8	1.7
11/08/2020 0:00	1.2	1.3	0.2	1.6	1.3	1.4	0.2	1.7
11/09/2020 0:00	1.9	2.5	2.8	2.0	2.0	2.0	2.0	1.7
11/10/2020 0:00	1.9	1.7	1.8	1.8	1.9	1.8	1.9	1.9
11/11/2020 0:00	1.7	1.7	1.7	1.3	1.8	1.9	1.8	1.4
11/12/2020 0:00	1.8	1.8	1.7	1.4	1.9	1.9	1.8	1.5
11/13/2020 0:00	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.8
11/14/2020 0:00	1.2	1.1	1.5	1.2	1.3	1.2	1.6	1.2
11/15/2020 0:00	3.3	2.3	2.0	3.5	2.1	1.9	2.0	2.2

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

1/2/2021 11:22:56 AM

Page 2 of 3

Unit Name: Mariposa Facility**Report Start Date/Time :** Thu 10/01/2020 0:00**Report End Date/Time :** Thu 12/31/2020 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 ppmc Limit 2.5	S-2:Unit 700 Max 1-Hour NOx ppmc Limit 2.5	S-3:Unit 800 Max 1-Hour NOx ppmc Limit 2.5	S-4:Unit 900 Max 1-Hour NOx ppmc Limit 2.5
11/16/2020 0:00	1.8	1.8	1.7	1.5	1.9	1.9	1.8	1.6
11/17/2020 0:00	1.8	1.8	2.1	2.1	1.9	1.9	1.9	1.9
11/18/2020 0:00	1.9	1.8	1.8	1.9	1.9	1.9	1.9	2.0
11/19/2020 0:00	1.3	Down	1.4	0.6	1.4	Down	1.5	0.6
11/20/2020 0:00	2.0	Down	1.8	Down	1.9	Down	1.8	Down
11/21/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/22/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/23/2020 0:00	1.8	Down	Down	Down	1.9	Down	Down	Down
11/24/2020 0:00	Down	Down	1.8	Down	Down	Down	1.8	Down
11/25/2020 0:00	Down	Down	1.7	Down	Down	Down	1.7	Down
11/26/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/27/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/28/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/29/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/30/2020 0:00	Down	Down	2.4	Down	Down	Down	1.9	Down
12/01/2020 0:00	2.1	2.3	2.3	2.5	1.5	1.7	1.7	1.8
12/02/2020 0:00	3.1	3.1	3.0	3.0	1.9	2.0	1.9	1.9
12/03/2020 0:00	2.0	1.9	1.8	2.3	1.6	1.3	1.5	1.7
12/04/2020 0:00	3.3	3.4	3.4	3.3	2.0	2.2	2.2	2.2
12/05/2020 0:00	2.0	2.3	2.0	2.2	1.9	2.1	2.0	2.0
12/06/2020 0:00	1.8	1.9	1.9	2.1	1.9	2.0	2.0	2.0
12/07/2020 0:00	2.6	2.8	2.5	3.1	1.9	2.2	1.9	2.1
12/08/2020 0:00	1.8	1.8	1.8	1.6	1.8	1.9	1.8	1.6
12/09/2020 0:00	1.8	2.6	1.9	2.1	1.9	2.4	1.9	1.9
12/10/2020 0:00	2.8	3.2	3.1	3.1	1.9	2.1	2.1	2.1
12/11/2020 0:00	2.9	2.9	2.9	3.1	2.0	1.9	2.1	2.1
12/12/2020 0:00	3.5	3.2	3.2	3.5	2.1	1.9	1.9	2.2
12/13/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/14/2020 0:00	1.9	Down	1.9	1.8	1.9	Down	2.0	1.9
12/15/2020 0:00	2.8	2.0	2.8	3.0	1.9	1.8	1.9	2.1
12/16/2020 0:00	3.0	2.8	Down	2.9	1.9	2.0	Down	2.1
12/17/2020 0:00	0.3	0.4	0.4	1.6	0.4	0.4	0.4	1.6
12/18/2020 0:00	2.4	Down	2.4	2.7	1.8	Down	1.7	1.9
12/19/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/20/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/21/2020 0:00	0.4	Down	1.9	1.8	0.4	Down	2.0	1.9
12/22/2020 0:00	1.7	0.7	1.7	Down	1.6	0.7	1.6	Down
12/23/2020 0:00	Down	0.8	1.4	1.8	Down	0.8	1.4	1.9
12/24/2020 0:00	Down	1.4	0.6	0.7	Down	1.5	0.7	0.8
12/25/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/26/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/27/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/28/2020 0:00	1.2	1.0	Down	Down	1.3	1.0	Down	Down
12/29/2020 0:00	Down	1.4	0.7	1.4	Down	1.5	0.8	1.5
12/30/2020 0:00	2.1	2.3	0.2	Down	2.0	2.1	0.2	Down
12/31/2020 0:00	Down	1.8	1.8	1.9	Down	1.9	1.9	1.9

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

1/2/2021 11:22:56 AM

Page 3 of 3

Unit Name: Mariposa Facility**Report Start Date/Time :** Thu 10/01/2020 0:00**Report End Date/Time :** Thu 12/31/2020 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 ppmc Limit 2.5	S-2:Unit 700 Max 1-Hour NOx ppmc Limit 2.5	S-3:Unit 800 Max 1-Hour NOx ppmc Limit 2.5	S-4:Unit 900 Max 1-Hour NOx ppmc Limit 2.5
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Total:								
Average:	1.9	1.9	1.8	2.0	1.6	1.7	1.6	1.7
Maximum:	3.5	3.4	3.4	3.5	2.1	2.4	2.3	2.3
Minimum:	0.3	0.4	0.2	0.2	0.3	0.4	0.2	0.2

Attachment 8

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

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

1/2/2021 11:23:08 AM

Page 1 of 3

Unit Name: Mariposa Facility**Report Start Date/Time :** Thu 10/01/2020 0:00**Report End Date/Time :** Thu 12/31/2020 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour CO Lbs/Hr Limit 2.14	S-2:Unit 700 Max 1-Hour CO Lbs/Hr Limit 2.14	S-3:Unit 800 Max 1-Hour CO Lbs/Hr Limit 2.14	S-4:Unit 900 Max 1-Hour CO Lbs/Hr Limit 2.14	S-1:Unit 600 Max 3-Hour CO@15%O2 Limit 2.0	S-2:Unit 700 Max 3-Hour CO@15%O2 Limit 2.0	S-3:Unit 800 Max 3-Hour CO@15%O2 Limit 2.0	S-4:Unit 900 Max 3-Hour CO@15%O2 Limit 2.0
10/01/2020 0:00	1.01	0.99	1.52	1.51	1.2	1.4	1.7	1.7
10/02/2020 0:00	0.94	0.94	0.95	1.05	1.3	1.5	1.3	1.5
10/03/2020 0:00	1.19	0.91	1.28	1.05	0.8	0.9	1.1	0.9
10/04/2020 0:00	1.46	1.43	0.94	1.05	1.1	1.2	0.5	0.6
10/05/2020 0:00	1.56	1.67	1.62	1.64	1.6	1.7	1.7	1.7
10/06/2020 0:00	1.39	1.21	1.24	1.33	1.7	1.6	1.6	1.6
10/07/2020 0:00	1.07	0.93	0.93	1.12	1.5	0.9	0.9	1.5
10/08/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/09/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/10/2020 0:00	1.29	1.55	0.28	0.28	0.6	0.9	0.2	0.1
10/11/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/12/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/13/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/14/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/15/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/16/2020 0:00	0.34	0.38	0.35	0.36	0.2	0.2	0.2	0.2
10/17/2020 0:00	0.33	0.38	0.37	0.10	0.2	0.2	0.2	0.1
10/18/2020 0:00	0.94	Down	0.81	Down	1.5	Down	0.7	Down
10/19/2020 0:00	Down	1.06	Down	Down	Down	1.2	Down	Down
10/20/2020 0:00	0.79	Down	Down	Down	0.6	Down	Down	Down
10/21/2020 0:00	0.23	0.17	0.96	Down	0.1	0.1	1.1	Down
10/22/2020 0:00	0.30	1.09	1.09	0.25	0.2	1.2	1.0	0.1
10/23/2020 0:00	1.22	1.07	0.92	1.13	1.6	0.9	0.9	1.2
10/24/2020 0:00	0.88	Down	Down	Down	0.7	Down	Down	Down
10/25/2020 0:00	Down	Down	1.07	Down	Down	Down	1.7	Down
10/26/2020 0:00	0.23	0.23	0.23	Down	0.1	0.1	0.1	Down
10/27/2020 0:00	Down	1.01	0.31	Down	Down	1.2	0.2	Down
10/28/2020 0:00	0.24	Down	0.28	0.67	0.1	Down	0.2	0.4
10/29/2020 0:00	0.82	0.97	1.22	1.38	0.5	0.8	1.2	1.6
10/30/2020 0:00	1.24	1.24	Down	1.14	1.4	1.5	Down	0.8
10/31/2020 0:00	Down	Down	Down	0.94	Down	Down	Down	0.8
11/01/2020 0:00	1.91	1.21	1.49	1.06	1.3	1.1	1.2	1.7
11/02/2020 0:00	0.93	0.92	0.92	0.97	1.5	1.6	1.6	1.6
11/03/2020 0:00	1.45	1.15	0.93	1.46	1.6	1.6	1.1	1.7
11/04/2020 0:00	1.52	1.68	1.82	1.28	1.6	1.7	1.7	1.7
11/05/2020 0:00	0.94	0.92	0.93	1.65	1.5	1.5	1.5	1.6
11/06/2020 0:00	0.86	0.97	0.96	0.94	1.3	1.7	1.6	1.5
11/07/2020 0:00	0.87	0.98	1.04	1.05	1.0	1.3	1.3	1.3
11/08/2020 0:00	0.62	0.81	0.29	0.43	0.6	0.7	0.2	0.3
11/09/2020 0:00	0.95	1.38	1.51	1.06	1.6	1.6	1.4	1.6
11/10/2020 0:00	1.05	1.02	0.92	1.03	1.6	1.5	1.5	1.5
11/11/2020 0:00	0.95	0.97	0.86	0.89	1.1	1.4	1.0	1.0
11/12/2020 0:00	0.83	0.91	0.81	0.89	0.7	0.8	0.5	0.6
11/13/2020 0:00	1.01	1.03	0.96	0.97	1.7	1.7	1.7	1.6
11/14/2020 0:00	0.30	0.66	0.55	0.42	0.2	0.5	0.4	0.3
11/15/2020 0:00	2.04	1.20	1.19	2.00	1.6	1.5	1.3	1.6

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

1/2/2021 11:23:08 AM

Page 2 of 3

Unit Name: Mariposa Facility**Report Start Date/Time :** Thu 10/01/2020 0:00**Report End Date/Time :** Thu 12/31/2020 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour CO Lbs/Hr Limit 2.14	S-2:Unit 700 Max 1-Hour CO Lbs/Hr Limit 2.14	S-3:Unit 800 Max 1-Hour CO Lbs/Hr Limit 2.14	S-4:Unit 900 Max 1-Hour CO Lbs/Hr Limit 2.14	S-1:Unit 600 Max 3-Hour CO@15%O2 Limit 2.0	S-2:Unit 700 Max 3-Hour CO@15%O2 Limit 2.0	S-3:Unit 800 Max 3-Hour CO@15%O2 Limit 2.0	S-4:Unit 900 Max 3-Hour CO@15%O2 Limit 2.0
11/16/2020 0:00	0.90	0.90	0.99	0.88	1.4	1.5	1.4	1.4
11/17/2020 0:00	0.88	0.89	1.04	1.01	1.4	1.5	1.5	1.4
11/18/2020 0:00	1.00	0.97	0.94	1.07	1.6	1.6	1.5	1.7
11/19/2020 0:00	0.57	Down	0.62	0.17	0.3	Down	0.4	0.1
11/20/2020 0:00	1.00	Down	0.84	Down	1.2	Down	1.1	Down
11/21/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/22/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/23/2020 0:00	0.73	Down	Down	Down	0.5	Down	Down	Down
11/24/2020 0:00	Down	Down	1.04	Down	Down	Down	1.1	Down
11/25/2020 0:00	Down	Down	0.97	Down	Down	Down	1.2	Down
11/26/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/27/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/28/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/29/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/30/2020 0:00	Down	Down	1.39	Down	Down	Down	1.6	Down
12/01/2020 0:00	1.32	1.40	1.67	1.71	0.8	0.8	1.0	1.0
12/02/2020 0:00	1.80	1.85	1.77	1.80	1.6	1.6	1.6	1.6
12/03/2020 0:00	1.20	1.15	1.17	1.38	0.9	0.5	0.5	1.1
12/04/2020 0:00	1.84	1.80	1.84	1.87	1.7	1.7	1.8	1.7
12/05/2020 0:00	1.21	1.14	1.23	0.98	1.4	1.6	1.6	1.4
12/06/2020 0:00	0.90	1.04	1.01	1.02	1.4	1.8	1.4	1.7
12/07/2020 0:00	1.79	1.23	1.40	1.47	1.5	1.7	1.6	1.4
12/08/2020 0:00	0.90	0.96	0.91	0.96	1.1	1.4	0.8	0.7
12/09/2020 0:00	1.16	1.10	1.10	1.35	1.6	1.6	1.6	1.7
12/10/2020 0:00	1.49	1.40	1.84	1.64	1.7	1.6	1.8	1.7
12/11/2020 0:00	1.97	1.63	1.94	1.93	1.7	1.6	1.7	1.7
12/12/2020 0:00	1.72	1.69	1.75	1.87	1.6	1.6	1.7	1.7
12/13/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/14/2020 0:00	1.20	Down	1.08	1.13	1.5	Down	1.5	1.6
12/15/2020 0:00	1.55	1.04	1.57	1.74	1.5	1.0	1.7	1.5
12/16/2020 0:00	1.58	1.51	Down	1.67	1.4	1.6	Down	1.8
12/17/2020 0:00	0.22	0.34	0.28	0.55	0.1	0.2	0.2	0.3
12/18/2020 0:00	1.63	Down	1.24	1.58	1.6	Down	0.9	1.7
12/19/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/20/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/21/2020 0:00	0.43	Down	0.96	0.97	0.2	Down	1.0	1.2
12/22/2020 0:00	1.04	0.32	0.92	Down	1.1	0.2	0.9	Down
12/23/2020 0:00	Down	0.37	0.67	1.04	Down	0.2	0.6	1.3
12/24/2020 0:00	Down	0.79	0.35	0.37	Down	0.5	0.2	0.2
12/25/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/26/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/27/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/28/2020 0:00	0.62	0.59	Down	Down	0.3	0.3	Down	Down
12/29/2020 0:00	Down	0.63	0.28	0.67	Down	0.5	0.2	0.5
12/30/2020 0:00	0.96	0.94	0.13	Down	1.2	1.0	0.1	Down
12/31/2020 0:00	Down	0.85	1.05	1.12	Down	0.8	1.6	1.5

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

1/2/2021 11:23:08 AM

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Unit Name: Mariposa Facility**Report Start Date/Time :** Thu 10/01/2020 0:00**Report End Date/Time :** Thu 12/31/2020 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour CO Lbs/Hr Limit 2.14	S-2:Unit 700 Max 1-Hour CO Lbs/Hr Limit 2.14	S-3:Unit 800 Max 1-Hour CO Lbs/Hr Limit 2.14	S-4:Unit 900 Max 1-Hour CO Lbs/Hr Limit 2.14	S-1:Unit 600 Max 3-Hour CO@15%O2 Limit 2.0	S-2:Unit 700 Max 3-Hour CO@15%O2 Limit 2.0	S-3:Unit 800 Max 3-Hour CO@15%O2 Limit 2.0	S-4:Unit 900 Max 3-Hour CO@15%O2 Limit 2.0
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Total:

Average:	1.05	1.03	1.01	1.11	1.1	1.1	1.1	1.2
Maximum:	2.04	1.85	1.94	2.00	1.7	1.8	1.8	1.8
Minimum:	0.22	0.17	0.13	0.10	0.1	0.1	0.1	0.1

Attachment 9

Condition AQ-17e NH₃ Emission Limits: Rolling 3-Hr Slip Calculation Report

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

1/2/2021 11:23:23 AM

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Unit Name: Mariposa Facility**Report Start Date/Time :** Thu 10/01/2020 0:00**Report End Date/Time :** Thu 12/31/2020 23:59

DATE/TIME	S-1:Unit 600 Max 3-Hour NH3@15%O 2 Limit 5	S-2:Unit 700 Max 3-Hour NH3@15%O 2 Limit 5	S-3:Unit 800 Max 3-Hour NH3@15%O 2 Limit 5	S-4:Unit 900 Max 3-Hour NH3@15%O 2 Limit 5				
10/01/2020 0:00	1	1	2	2				
10/02/2020 0:00	0	1	1	2				
10/03/2020 0:00	1	1	1	1				
10/04/2020 0:00	1	1	0	1				
10/05/2020 0:00	2	2	2	3				
10/06/2020 0:00	1	1	2	2				
10/07/2020 0:00	0	0	1	2				
10/08/2020 0:00	Down	Down	Down	Down				
10/09/2020 0:00	Down	Down	Down	Down				
10/10/2020 0:00	1	1	0	0				
10/11/2020 0:00	Down	Down	Down	Down				
10/12/2020 0:00	Down	Down	Down	Down				
10/13/2020 0:00	Down	Down	Down	Down				
10/14/2020 0:00	Down	Down	Down	Down				
10/15/2020 0:00	Down	Down	Down	Down				
10/16/2020 0:00	0	0	0	0				
10/17/2020 0:00	0	0	0	0				
10/18/2020 0:00	0	Down	1	Down				
10/19/2020 0:00	Down	1	Down	Down				
10/20/2020 0:00	0	Down	Down	Down				
10/21/2020 0:00	0	0	1	Down				
10/22/2020 0:00	0	1	1	0				
10/23/2020 0:00	1	1	1	1				
10/24/2020 0:00	0	Down	Down	Down				
10/25/2020 0:00	Down	Down	1	Down				
10/26/2020 0:00	0	0	0	Down				
10/27/2020 0:00	Down	0	0	Down				
10/28/2020 0:00	0	Down	0	0				
10/29/2020 0:00	0	0	1	2				
10/30/2020 0:00	1	1	Down	1				
10/31/2020 0:00	Down	Down	Down	1				
11/01/2020 0:00	1	1	1	2				
11/02/2020 0:00	0	1	1	2				
11/03/2020 0:00	1	1	1	2				
11/04/2020 0:00	2	2	2	2				
11/05/2020 0:00	0	1	1	2				
11/06/2020 0:00	0	1	1	2				
11/07/2020 0:00	0	0	1	1				
11/08/2020 0:00	0	0	0	1				
11/09/2020 0:00	0	1	1	2				
11/10/2020 0:00	0	1	1	2				
11/11/2020 0:00	0	1	1	1				
11/12/2020 0:00	0	0	0	1				
11/13/2020 0:00	0	1	1	1				
11/14/2020 0:00	0	0	0	0				
11/15/2020 0:00	2	1	1	2				

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

1/2/2021 11:23:24 AM

Page 2 of 3

Unit Name: Mariposa Facility

Report Start Date/Time : Thu 10/01/2020 0:00

Report End Date/Time : Thu 12/31/2020 23:59

DATE/TIME	S-1:Unit 600 Max 3-Hour NH3@15%O 2 Limit 5	S-2:Unit 700 Max 3-Hour NH3@15%O 2	S-3:Unit 800 Max 3-Hour NH3@15%O 2 Limit 5	S-4:Unit 900 Max 3-Hour NH3@15%O 2 Limit 5				
11/16/2020 0:00	0	1	1	2				
11/17/2020 0:00	0	1	1	1				
11/18/2020 0:00	0	1	1	1				
11/19/2020 0:00	0	Down	0	0				
11/20/2020 0:00	1	Down	1	Down				
11/21/2020 0:00	Down	Down	Down	Down				
11/22/2020 0:00	Down	Down	Down	Down				
11/23/2020 0:00	0	Down	Down	Down				
11/24/2020 0:00	Down	Down	2	Down				
11/25/2020 0:00	Down	Down	1	Down				
11/26/2020 0:00	Down	Down	Down	Down				
11/27/2020 0:00	Down	Down	Down	Down				
11/28/2020 0:00	Down	Down	Down	Down				
11/29/2020 0:00	Down	Down	Down	Down				
11/30/2020 0:00	Down	Down	2	Down				
12/01/2020 0:00	1	1	1	1				
12/02/2020 0:00	2	2	2	2				
12/03/2020 0:00	1	1	1	2				
12/04/2020 0:00	4	3	2	3				
12/05/2020 0:00	1	2	3	4				
12/06/2020 0:00	1	1	1	2				
12/07/2020 0:00	2	2	2	3				
12/08/2020 0:00	0	1	1	1				
12/09/2020 0:00	0	1	1	1				
12/10/2020 0:00	1	2	2	2				
12/11/2020 0:00	3	3	2	3				
12/12/2020 0:00	4	3	2	3				
12/13/2020 0:00	Down	Down	Down	Down				
12/14/2020 0:00	0	Down	1	2				
12/15/2020 0:00	2	1	2	3				
12/16/2020 0:00	3	3	Down	3				
12/17/2020 0:00	0	0	0	1				
12/18/2020 0:00	1	Down	1	3				
12/19/2020 0:00	Down	Down	Down	Down				
12/20/2020 0:00	Down	Down	Down	Down				
12/21/2020 0:00	0	Down	1	1				
12/22/2020 0:00	0	0	1	Down				
12/23/2020 0:00	Down	0	0	1				
12/24/2020 0:00	Down	0	0	0				
12/25/2020 0:00	Down	Down	Down	Down				
12/26/2020 0:00	Down	Down	Down	Down				
12/27/2020 0:00	Down	Down	Down	Down				
12/28/2020 0:00	0	0	Down	Down				
12/29/2020 0:00	Down	0	0	1				
12/30/2020 0:00	0	0	0	Down				
12/31/2020 0:00	Down	0	1	2				

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

1/2/2021 11:23:24 AM

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Unit Name: Mariposa Facility**Report Start Date/Time :** Thu 10/01/2020 0:00**Report End Date/Time :** Thu 12/31/2020 23:59

DATE/TIME	S-1:Unit 600 Max 3-Hour NH3@15%O 2 Limit 5	S-2:Unit 700 Max 3-Hour NH3@15%O 0 Limit 5	S-3:Unit 800 Max 3-Hour NH3@15%O 2 Limit 5	S-4:Unit 900 Max 3-Hour NH3@15%O 2 Limit 5				
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Total:

Average:	1	1	1	2				
Maximum:	4	3	3	4				
Minimum:	0	0	0	0				

Attachment 10

**Condition AQ-17f/g Hourly Mass Emission Limits:
POC & SO₂ Report**

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

1/2/2021 11:23:36 AM

Page 1 of 3

Unit Name: Mariposa Facility

Report Start Date/Time : Thu 10/01/2020 0:00

Report End Date/Time : Thu 12/31/2020 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour POC Lbs/Hr Limit 0.612	S-2:Unit 700 Max 1-Hour POC Lbs/Hr Limit 0.612	S-3:Unit 800 Max 1-Hour POC Lbs/Hr Limit 0.612	S-4:Unit 900 Max 1-Hour POC Lbs/Hr Limit 0.612	S-1:Unit 600 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-2:Unit 700 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-3:Unit 800 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-4:Unit 900 Max 1-Hour SO2 Lbs/Hr Limit 1.347
10/01/2020 0:00	0.021	0.023	0.039	0.023	0.206	0.130	0.193	0.116
10/02/2020 0:00	0.016	0.019	0.027	0.017	0.162	0.107	0.135	0.083
10/03/2020 0:00	0.024	0.023	0.038	0.020	0.239	0.129	0.188	0.102
10/04/2020 0:00	0.025	0.028	0.036	0.022	0.245	0.161	0.178	0.110
10/05/2020 0:00	0.024	0.028	0.041	0.024	0.245	0.161	0.203	0.120
10/06/2020 0:00	0.020	0.023	0.033	0.020	0.201	0.132	0.166	0.100
10/07/2020 0:00	0.017	0.019	0.026	0.018	0.174	0.106	0.131	0.088
10/08/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/09/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/10/2020 0:00	0.025	0.029	0.022	0.014	0.255	0.165	0.108	0.070
10/11/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/12/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/13/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/14/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/15/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
10/16/2020 0:00	0.016	0.018	0.026	0.016	0.159	0.105	0.132	0.081
10/17/2020 0:00	0.014	0.015	0.021	0.013	0.135	0.083	0.106	0.064
10/18/2020 0:00	0.016	Down	0.026	Down	0.161	Down	0.130	Down
10/19/2020 0:00	Down	0.018	Down	Down	Down	0.104	Down	Down
10/20/2020 0:00	0.017	Down	Down	Down	0.167	Down	Down	Down
10/21/2020 0:00	0.011	0.012	0.026	Down	0.106	0.066	0.131	Down
10/22/2020 0:00	0.015	0.021	0.030	0.016	0.155	0.118	0.149	0.079
10/23/2020 0:00	0.018	0.021	0.027	0.017	0.179	0.120	0.133	0.085
10/24/2020 0:00	0.016	Down	Down	Down	0.161	Down	Down	Down
10/25/2020 0:00	Down	Down	0.026	Down	Down	Down	0.132	Down
10/26/2020 0:00	0.012	0.013	0.017	Down	0.122	0.075	0.085	Down
10/27/2020 0:00	Down	0.020	0.019	Down	Down	0.117	0.096	Down
10/28/2020 0:00	0.012	Down	0.018	0.019	0.123	Down	0.091	0.096
10/29/2020 0:00	0.017	0.020	0.033	0.020	0.173	0.116	0.166	0.100
10/30/2020 0:00	0.018	0.021	Down	0.017	0.182	0.120	Down	0.083
10/31/2020 0:00	Down	Down	Down	0.017	Down	Down	Down	0.083
11/01/2020 0:00	0.023	0.023	0.035	0.016	0.226	0.133	0.173	0.081
11/02/2020 0:00	0.016	0.018	0.026	0.016	0.164	0.104	0.131	0.081
11/03/2020 0:00	0.021	0.024	0.027	0.021	0.206	0.136	0.134	0.104
11/04/2020 0:00	0.023	0.027	0.042	0.019	0.233	0.153	0.209	0.094
11/05/2020 0:00	0.020	0.023	0.033	0.022	0.200	0.131	0.165	0.111
11/06/2020 0:00	0.015	0.018	0.025	0.016	0.153	0.102	0.127	0.080
11/07/2020 0:00	0.015	0.018	0.025	0.016	0.154	0.102	0.127	0.079
11/08/2020 0:00	0.015	0.018	0.019	0.016	0.154	0.102	0.093	0.079
11/09/2020 0:00	0.015	0.029	0.043	0.022	0.153	0.168	0.213	0.112
11/10/2020 0:00	0.016	0.018	0.025	0.016	0.157	0.101	0.127	0.080
11/11/2020 0:00	0.015	0.018	0.026	0.016	0.152	0.104	0.131	0.080
11/12/2020 0:00	0.015	0.018	0.025	0.016	0.154	0.102	0.127	0.077
11/13/2020 0:00	0.015	0.018	0.025	0.016	0.153	0.102	0.127	0.080
11/14/2020 0:00	0.015	0.018	0.026	0.016	0.153	0.102	0.128	0.078
11/15/2020 0:00	0.026	0.021	0.034	0.025	0.256	0.120	0.169	0.125

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

1/2/2021 11:23:36 AM

Page 2 of 3

Unit Name: Mariposa Facility

Report Start Date/Time : Thu 10/01/2020 0:00

Report End Date/Time : Thu 12/31/2020 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour POC Lbs/Hr Limit 0.612	S-2:Unit 700 Max 1-Hour POC Lbs/Hr Limit 0.612	S-3:Unit 800 Max 1-Hour POC Lbs/Hr Limit 0.612	S-4:Unit 900 Max 1-Hour POC Lbs/Hr Limit 0.612	S-1:Unit 600 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-2:Unit 700 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-3:Unit 800 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-4:Unit 900 Max 1-Hour SO2 Lbs/Hr Limit 1.347
11/16/2020 0:00	0.015	0.018	0.026	0.016	0.154	0.102	0.128	0.078
11/17/2020 0:00	0.015	0.018	0.029	0.018	0.154	0.102	0.147	0.089
11/18/2020 0:00	0.016	0.018	0.026	0.016	0.155	0.103	0.128	0.078
11/19/2020 0:00	0.015	Down	0.026	0.012	0.154	Down	0.128	0.060
11/20/2020 0:00	0.019	Down	0.026	Down	0.187	Down	0.132	Down
11/21/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/22/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/23/2020 0:00	0.016	Down	Down	Down	0.159	Down	Down	Down
11/24/2020 0:00	Down	Down	0.028	Down	Down	Down	0.142	Down
11/25/2020 0:00	Down	Down	0.028	Down	Down	Down	0.141	Down
11/26/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/27/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/28/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/29/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
11/30/2020 0:00	Down	Down	0.037	Down	Down	Down	0.185	Down
12/01/2020 0:00	0.022	0.025	0.036	0.022	0.218	0.144	0.181	0.110
12/02/2020 0:00	0.027	0.031	0.043	0.026	0.274	0.179	0.217	0.130
12/03/2020 0:00	0.020	0.024	0.034	0.021	0.201	0.137	0.172	0.104
12/04/2020 0:00	0.028	0.031	0.043	0.026	0.275	0.175	0.216	0.129
12/05/2020 0:00	0.019	0.022	0.032	0.019	0.192	0.127	0.159	0.097
12/06/2020 0:00	0.018	0.019	0.028	0.017	0.178	0.110	0.141	0.085
12/07/2020 0:00	0.024	0.024	0.034	0.023	0.242	0.137	0.169	0.116
12/08/2020 0:00	0.016	0.018	0.027	0.016	0.159	0.105	0.133	0.079
12/09/2020 0:00	0.018	0.021	0.028	0.019	0.175	0.122	0.138	0.094
12/10/2020 0:00	0.025	0.028	0.042	0.024	0.248	0.161	0.208	0.122
12/11/2020 0:00	0.027	0.031	0.044	0.027	0.266	0.175	0.220	0.133
12/12/2020 0:00	0.028	0.031	0.045	0.027	0.276	0.179	0.224	0.134
12/13/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/14/2020 0:00	0.018	Down	0.030	0.018	0.179	Down	0.149	0.089
12/15/2020 0:00	0.024	0.021	0.040	0.024	0.238	0.119	0.198	0.119
12/16/2020 0:00	0.026	0.029	Down	0.023	0.260	0.164	Down	0.116
12/17/2020 0:00	0.012	0.014	0.019	0.014	0.118	0.078	0.096	0.068
12/18/2020 0:00	0.022	Down	0.038	0.023	0.221	Down	0.189	0.113
12/19/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/20/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/21/2020 0:00	0.014	Down	0.026	0.016	0.142	Down	0.129	0.079
12/22/2020 0:00	0.017	0.015	0.029	Down	0.174	0.084	0.145	Down
12/23/2020 0:00	Down	0.014	0.025	0.016	Down	0.082	0.123	0.079
12/24/2020 0:00	Down	0.016	0.020	0.013	Down	0.093	0.099	0.063
12/25/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/26/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/27/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down
12/28/2020 0:00	0.015	0.018	Down	Down	0.150	0.103	Down	Down
12/29/2020 0:00	Down	0.015	0.019	0.013	Down	0.086	0.097	0.065
12/30/2020 0:00	0.017	0.019	0.014	Down	0.170	0.109	0.071	Down
12/31/2020 0:00	Down	0.018	0.031	0.019	Down	0.102	0.155	0.095

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

1/2/2021 11:23:37 AM

Page 3 of 3

Unit Name: Mariposa Facility**Report Start Date/Time :** Thu 10/01/2020 0:00**Report End Date/Time :** Thu 12/31/2020 23:59

DATE/TIME	S-1:Unit 600 Max 1-Hour POC Lbs/Hr Limit 0.612	S-2:Unit 700 Max 1-Hour POC Lbs/Hr Limit 0.612	S-3:Unit 800 Max 1-Hour POC Lbs/Hr Limit 0.612	S-4:Unit 900 Max 1-Hour POC Lbs/Hr Limit 0.612	S-1:Unit 600 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-2:Unit 700 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-3:Unit 800 Max 1-Hour SO2 Lbs/Hr Limit 1.347	S-4:Unit 900 Max 1-Hour SO2 Lbs/Hr Limit 1.347
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Total:								
Average:	0.019	0.021	0.030	0.019	0.186	0.120	0.148	0.093
Maximum:	0.028	0.031	0.045	0.027	0.276	0.179	0.224	0.134
Minimum:	0.011	0.012	0.014	0.012	0.106	0.066	0.071	0.060

Attachment 11

Condition AQ-18 Startup/Shutdown Emission Limits Report

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

1/2/2021 11:21:33 AM

Page 1 of 3

Unit Name: Mariposa Unit 600

Report Start Date/Time : Thu 10/01/2020 0:00

Report End Date/Time : Thu 12/31/2020 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14.2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2.7	Max CO Lbs/Hr Limit 17.3	Max POC Lbs Startup Limit 1.1	Max POC Lbs Shutdown Limit 0.12	Max POC Lbs/Hr Limit 1.4
10/01/2020 0:00	6.3	1.3	7.8	0.8	0.3	1.5	0.0	0.00	0.0
10/02/2020 0:00	6.3	1.3	6.8	0.8	0.3	1.2	0.0	0.00	0.0
10/03/2020 0:00	6.5	1.4	6.9	1.0	0.2	1.4	0.0	0.00	0.0
10/04/2020 0:00	5.9	1.3	6.5	0.4	0.2	1.5	0.0	0.00	0.0
10/05/2020 0:00	5.9	1.3	6.9	1.2	0.2	1.8	0.0	0.00	0.0
10/06/2020 0:00	6.2	1.1	6.6	0.8	0.2	1.4	0.0	0.00	0.0
10/07/2020 0:00	6.2	0.8	6.7	0.8	0.3	1.2	0.0	0.00	0.0
10/08/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/09/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/10/2020 0:00	7.1	1.0	8.2	0.8	0.2	1.3	0.0	0.00	0.0
10/11/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/12/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/13/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/14/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/15/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/16/2020 0:00	8.0	1.1	8.1	1.1	0.2	1.2	0.0	0.00	0.0
10/17/2020 0:00	5.7	1.1	6.3	1.2	0.2	1.5	0.0	0.00	0.0
10/18/2020 0:00	6.6	1.1	6.8	0.5	0.2	1.0	0.0	0.00	0.0
10/19/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/20/2020 0:00	6.8	1.1	7.2	1.0	0.2	1.2	0.0	0.00	0.0
10/21/2020 0:00	9.8	1.1	10.2	0.7	0.2	1.0	0.0	0.00	0.0
10/22/2020 0:00	7.0	0.8	7.4	0.6	0.2	0.7	0.0	0.00	0.0
10/23/2020 0:00	5.8	1.1	6.4	1.0	0.3	1.3	0.0	0.00	0.0
10/24/2020 0:00	6.7	1.2	7.2	1.1	0.2	1.4	0.0	0.00	0.0
10/25/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/26/2020 0:00	7.4	1.0	7.9	0.6	0.2	0.8	0.0	0.00	0.0
10/27/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/28/2020 0:00	6.6	1.1	7.1	0.5	0.2	0.7	0.0	0.00	0.0
10/29/2020 0:00	6.8	1.3	7.1	1.1	0.3	1.4	0.0	0.00	0.0
10/30/2020 0:00	6.2	1.2	6.4	0.6	0.2	1.3	0.0	0.00	0.0
10/31/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/01/2020 0:00	6.8	1.1	7.7	0.5	0.2	1.9	0.0	0.00	0.0

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

1/2/2021 11:21:33 AM

Page 2 of 3

Unit Name: Mariposa Unit 600

Report Start Date/Time : Thu 10/01/2020 0:00

Report End Date/Time : Thu 12/31/2020 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14.2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2.7	Max CO Lbs/Hr Limit 17.3	Max POC Lbs Startup Limit 1.1	Max POC Lbs Shutdown Limit 0.12	Max POC Lbs/Hr Limit 1.4
11/02/2020 0:00	7.0	1.1	7.4	1.2	0.3	1.4	0.0	0.00	0.0
11/03/2020 0:00	6.0	1.3	6.4	1.2	0.2	1.5	0.0	0.00	0.0
11/04/2020 0:00	6.0	1.1	6.5	0.7	0.2	1.5	0.0	0.00	0.0
11/05/2020 0:00	5.4	1.3	5.9	0.6	0.2	1.0	0.0	0.00	0.0
11/06/2020 0:00	7.4	1.0	7.7	1.0	0.2	1.1	0.0	0.00	0.0
11/07/2020 0:00	6.6	0.9	7.0	1.0	0.2	1.2	0.0	0.00	0.0
11/08/2020 0:00	7.0	1.3	7.3	0.9	0.2	1.4	0.0	0.00	0.0
11/09/2020 0:00	12.4	1.2	12.4	1.1	0.3	1.2	0.0	0.00	0.0
11/10/2020 0:00	5.9	1.4	6.1	1.1	0.2	1.3	0.0	0.00	0.0
11/11/2020 0:00	6.1	1.3	6.7	1.0	0.2	1.6	0.0	0.00	0.0
11/12/2020 0:00	5.5	1.3	5.9	0.7	0.2	1.1	0.0	0.00	0.0
11/13/2020 0:00	5.9	1.0	6.4	0.6	0.2	1.0	0.0	0.00	0.0
11/14/2020 0:00	6.1	0.7	7.3	0.6	0.2	0.9	0.0	0.00	0.0
11/15/2020 0:00	5.8	1.0	7.1	0.9	0.2	2.0	0.0	0.00	0.0
11/16/2020 0:00	5.7	1.1	6.2	1.0	0.2	1.5	0.0	0.00	0.0
11/17/2020 0:00	6.1	1.2	7.2	0.6	0.3	1.0	0.0	0.00	0.0
11/18/2020 0:00	5.9	1.2	6.3	1.0	0.3	1.2	0.0	0.00	0.0
11/19/2020 0:00	6.4	1.2	6.8	0.6	0.2	0.8	0.0	0.00	0.0
11/20/2020 0:00	6.1	1.5	6.4	1.0	0.3	1.3	0.0	0.00	0.0
11/21/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/22/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/23/2020 0:00	6.6	1.1	7.2	0.9	0.2	1.1	0.0	0.00	0.0
11/24/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/25/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/26/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/27/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/28/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/29/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/30/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/01/2020 0:00	7.2	1.1	8.4	1.1	0.3	1.7	0.0	0.00	0.0
12/02/2020 0:00	6.9	1.3	7.4	0.9	0.3	1.8	0.0	0.00	0.0
12/03/2020 0:00	5.5	1.1	6.3	0.8	0.3	1.4	0.0	0.00	0.0

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

1/2/2021 11:21:33 AM

Page 3 of 3

Unit Name: Mariposa Unit 600

Report Start Date/Time : Thu 10/01/2020 0:00

Report End Date/Time : Thu 12/31/2020 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14.2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2.7	Max CO Lbs/Hr Limit 17.3	Max POC Lbs Startup Limit 1.1	Max POC Lbs Shutdown Limit 0.12	Max POC Lbs/Hr Limit 1.4
12/04/2020 0:00	6.4	1.2	7.3	1.1	0.3	1.8	0.0	0.00	0.0
12/05/2020 0:00	5.7	0.8	6.2	1.2	0.2	1.4	0.0	0.00	0.0
12/06/2020 0:00	5.8	0.4	6.1	1.1	0.2	1.4	0.0	0.00	0.0
12/07/2020 0:00	6.0	1.6	6.2	0.9	0.2	1.8	0.0	0.00	0.0
12/08/2020 0:00	6.4	1.4	6.6	1.1	0.2	1.2	0.0	0.00	0.0
12/09/2020 0:00	5.6	1.2	6.0	1.1	0.2	1.6	0.0	0.00	0.0
12/10/2020 0:00	5.5	1.0	6.6	1.1	0.2	1.5	0.0	0.00	0.0
12/11/2020 0:00	5.6	1.4	6.2	1.1	0.2	2.0	0.0	0.00	0.0
12/12/2020 0:00	6.7	1.2	7.0	1.1	0.2	1.7	0.0	0.00	0.0
12/13/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/14/2020 0:00	7.2	1.2	7.6	1.0	0.2	1.3	0.0	0.00	0.0
12/15/2020 0:00	6.2	0.3	6.9	0.7	0.2	1.6	0.0	0.00	0.0
12/16/2020 0:00	5.0	0.4	5.2	0.9	0.3	1.6	0.0	0.00	0.0
12/17/2020 0:00	5.4	1.0	5.8	0.5	0.2	0.7	0.0	0.00	0.0
12/18/2020 0:00	6.8	0.9	7.2	1.0	0.2	1.6	0.0	0.00	0.0
12/19/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/20/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/21/2020 0:00	11.1	0.6	11.3	0.6	0.2	0.9	0.0	0.00	0.0
12/22/2020 0:00	5.9	1.0	6.4	1.1	0.3	1.6	0.0	0.00	0.0
12/23/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/24/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/25/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/26/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/27/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/28/2020 0:00	7.6	1.1	7.9	1.1	0.2	1.4	0.0	0.00	0.0
12/29/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/30/2020 0:00	7.4	1.1	7.9	0.7	0.2	1.1	0.0	0.00	0.0
12/31/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down

Total:

Average:	6.5	1.1	7.1	0.9	0.2	1.3	0.0	0.00	0.02
Maximum:	12.4	1.6	12.4	1.2	0.3	2.0	0.0	0.00	0.03
Minimum:	5.0	0.3	5.2	0.4	0.2	0.7	0.0	0.00	0.02

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

1/2/2021 11:21:42 AM

Page 1 of 3

Unit Name: Mariposa Unit 700

Report Start Date/Time : Thu 10/01/2020 0:00

Report End Date/Time : Thu 12/31/2020 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14.2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2.7	Max CO Lbs/Hr Limit 17.3	Max POC Lbs Startup Limit 1.1	Max POC Lbs Shutdown Limit 0.12	Max POC Lbs/Hr Limit 1.4
10/01/2020 0:00	8.3	1.0	9.4	0.7	0.3	1.5	0.0	0.00	0.0
10/02/2020 0:00	6.8	1.1	7.2	1.4	0.3	1.6	0.0	0.00	0.0
10/03/2020 0:00	6.8	1.1	7.6	0.6	0.3	1.0	0.0	0.00	0.0
10/04/2020 0:00	6.6	1.2	7.2	0.5	0.3	1.4	0.0	0.00	0.0
10/05/2020 0:00	8.4	1.1	9.4	0.8	0.3	1.7	0.0	0.00	0.0
10/06/2020 0:00	7.1	0.8	7.6	1.3	0.3	1.5	0.0	0.00	0.0
10/07/2020 0:00	7.0	0.7	7.6	0.6	0.3	1.1	0.0	0.00	0.0
10/08/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/09/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/10/2020 0:00	8.3	0.3	9.2	0.7	0.4	1.6	0.0	0.00	0.0
10/11/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/12/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/13/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/14/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/15/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/16/2020 0:00	8.4	0.9	8.5	1.3	0.2	1.4	0.0	0.00	0.0
10/17/2020 0:00	6.2	0.8	6.8	1.3	0.2	1.6	0.0	0.00	0.0
10/18/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/19/2020 0:00	7.2	1.2	7.5	1.2	0.3	1.6	0.0	0.00	0.0
10/20/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/21/2020 0:00	9.1	0.9	9.6	0.8	0.2	1.0	0.0	0.00	0.0
10/22/2020 0:00	7.5	1.3	8.0	1.1	0.2	1.8	0.0	0.00	0.0
10/23/2020 0:00	6.1	0.8	6.5	1.5	0.3	1.8	0.0	0.00	0.0
10/24/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/25/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/26/2020 0:00	8.7	0.8	9.2	0.7	0.2	0.9	0.0	0.00	0.0
10/27/2020 0:00	9.3	1.0	9.7	0.7	0.3	1.4	0.0	0.00	0.0
10/28/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/29/2020 0:00	7.2	1.2	7.9	1.3	0.2	1.9	0.0	0.00	0.0
10/30/2020 0:00	6.9	1.0	7.4	0.7	0.3	1.3	0.0	0.00	0.0
10/31/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/01/2020 0:00	7.5	0.2	8.7	0.7	0.3	1.3	0.0	0.00	0.0

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

1/2/2021 11:21:42 AM

Page 2 of 3

Unit Name: Mariposa Unit 700

Report Start Date/Time : Thu 10/01/2020 0:00

Report End Date/Time : Thu 12/31/2020 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14.2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2.7	Max CO Lbs/Hr Limit 17.3	Max POC Lbs Startup Limit 1.1	Max POC Lbs Shutdown Limit 0.12	Max POC Lbs/Hr Limit 1.4
11/02/2020 0:00	6.3	0.8	6.8	1.1	0.3	1.4	0.0	0.00	0.0
11/03/2020 0:00	7.9	1.0	8.5	0.6	0.2	1.1	0.0	0.00	0.0
11/04/2020 0:00	6.9	0.9	7.4	0.8	0.3	1.8	0.0	0.00	0.0
11/05/2020 0:00	6.0	1.1	6.4	0.8	0.2	1.1	0.0	0.00	0.0
11/06/2020 0:00	7.2	0.7	7.6	1.2	0.3	1.7	0.0	0.00	0.0
11/07/2020 0:00	7.6	0.6	8.0	1.2	0.2	1.4	0.0	0.00	0.0
11/08/2020 0:00	8.1	1.0	8.6	1.4	0.2	1.9	0.0	0.00	0.0
11/09/2020 0:00	7.0	0.9	7.6	1.6	0.2	1.9	0.0	0.00	0.0
11/10/2020 0:00	6.7	1.2	7.1	0.7	0.2	1.1	0.0	0.00	0.0
11/11/2020 0:00	6.3	1.0	6.7	1.2	0.3	1.4	0.0	0.00	0.0
11/12/2020 0:00	6.6	1.1	7.2	0.7	0.3	1.3	0.0	0.00	0.0
11/13/2020 0:00	6.7	0.9	7.3	0.8	0.2	1.2	0.0	0.00	0.0
11/14/2020 0:00	7.0	0.5	8.1	0.7	0.3	1.3	0.0	0.00	0.0
11/15/2020 0:00	6.7	0.9	7.6	1.1	0.2	1.8	0.0	0.00	0.0
11/16/2020 0:00	6.0	0.9	6.6	1.2	0.2	1.8	0.0	0.00	0.0
11/17/2020 0:00	6.5	1.1	7.7	1.0	0.3	1.5	0.0	0.00	0.0
11/18/2020 0:00	7.0	1.0	7.5	1.3	0.2	1.5	0.0	0.00	0.0
11/19/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/20/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/21/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/22/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/23/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/24/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/25/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/26/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/27/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/28/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/29/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/30/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/01/2020 0:00	8.8	0.9	9.3	1.2	0.3	1.6	0.0	0.00	0.0
12/02/2020 0:00	7.3	1.0	7.8	1.3	0.4	2.5	0.0	0.00	0.0
12/03/2020 0:00	8.0	1.0	8.5	1.5	0.3	1.7	0.0	0.00	0.0

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

1/2/2021 11:21:42 AM

Page 3 of 3

Unit Name: Mariposa Unit 700

Report Start Date/Time : Thu 10/01/2020 0:00

Report End Date/Time : Thu 12/31/2020 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14.2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2.7	Max CO Lbs/Hr Limit 17.3	Max POC Lbs Startup Limit 1.1	Max POC Lbs Shutdown Limit 0.12	Max POC Lbs/Hr Limit 1.4
12/04/2020 0:00	7.1	0.9	8.3	1.4	0.4	2.0	0.0	0.00	0.0
12/05/2020 0:00	7.0	0.4	7.4	1.4	0.3	1.7	0.0	0.00	0.0
12/06/2020 0:00	6.8	1.1	7.1	1.4	0.2	1.6	0.0	0.00	0.0
12/07/2020 0:00	6.0	1.3	6.7	1.4	0.3	1.7	0.0	0.00	0.0
12/08/2020 0:00	5.8	1.2	6.2	1.8	0.2	2.0	0.0	0.00	0.0
12/09/2020 0:00	7.7	0.8	8.4	1.2	0.3	1.6	0.0	0.00	0.0
12/10/2020 0:00	5.8	1.2	7.0	1.0	0.3	1.7	0.0	0.00	0.0
12/11/2020 0:00	7.1	0.8	8.6	1.3	0.3	2.0	0.0	0.00	0.0
12/12/2020 0:00	8.4	0.8	8.6	1.5	0.3	1.8	0.0	0.00	0.0
12/13/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/14/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/15/2020 0:00	8.1	0.9	8.5	0.7	0.3	1.1	0.0	0.00	0.0
12/16/2020 0:00	7.2	0.1	7.4	1.5	0.3	1.8	0.0	0.00	0.0
12/17/2020 0:00	5.7	0.8	6.1	0.7	0.2	1.0	0.0	0.00	0.0
12/18/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/19/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/20/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/21/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/22/2020 0:00	9.1	0.9	9.4	1.2	0.2	1.4	0.0	0.00	0.0
12/23/2020 0:00	6.9	0.2	7.6	0.7	0.3	1.0	0.0	0.00	0.0
12/24/2020 0:00	6.8	0.8	7.1	1.2	0.3	1.6	0.0	0.00	0.0
12/25/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/26/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/27/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/28/2020 0:00	7.8	0.8	8.2	1.1	0.3	1.4	0.0	0.00	0.0
12/29/2020 0:00	7.3	0.8	7.9	1.3	0.3	1.8	0.0	0.00	0.0
12/30/2020 0:00	6.7	0.9	7.6	0.5	0.2	1.0	0.0	0.00	0.0
12/31/2020 0:00	7.8	0.8	8.3	1.0	0.2	1.3	0.0	0.00	0.0

Total:

Average:	7.2	0.9	7.8	1.1	0.3	1.5	0.0	0.00	0.02
Maximum:	9.3	1.3	9.7	1.8	0.4	2.5	0.0	0.00	0.03
Minimum:	5.7	0.1	6.1	0.5	0.2	0.9	0.0	0.00	0.02

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

1/2/2021 11:21:49 AM

Page 1 of 3

Unit Name: Mariposa Unit 800

Report Start Date/Time : Thu 10/01/2020 0:00

Report End Date/Time : Thu 12/31/2020 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14.2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2.7	Max CO Lbs/Hr Limit 17.3	Max POC Lbs Startup Limit 1.1	Max POC Lbs Shutdown Limit 0.12	Max POC Lbs/Hr Limit 1.4
10/01/2020 0:00	6.3	1.5	7.0	0.6	0.2	1.5	0.0	0.00	0.0
10/02/2020 0:00	8.0	0.9	9.2	1.0	0.2	1.6	0.0	0.00	0.0
10/03/2020 0:00	8.4	0.9	8.8	1.4	0.2	1.6	0.0	0.00	0.0
10/04/2020 0:00	7.8	1.1	8.4	0.6	0.2	1.0	0.0	0.00	0.0
10/05/2020 0:00	9.6	1.2	10.5	1.3	0.3	1.9	0.0	0.00	0.0
10/06/2020 0:00	7.6	0.7	8.1	0.7	0.2	1.2	0.0	0.00	0.0
10/07/2020 0:00	7.5	0.7	8.0	0.8	0.2	1.1	0.0	0.00	0.0
10/08/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/09/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/10/2020 0:00	10.0	0.8	10.6	0.8	0.2	1.0	0.0	0.00	0.0
10/11/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/12/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/13/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/14/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/15/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/16/2020 0:00	9.9	0.9	10.1	0.6	0.2	0.8	0.0	0.00	0.0
10/17/2020 0:00	6.4	1.1	6.9	1.3	0.2	1.6	0.0	0.00	0.0
10/18/2020 0:00	7.0	1.1	7.6	0.4	0.2	0.9	0.0	0.00	0.0
10/19/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/20/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/21/2020 0:00	8.1	1.3	8.5	1.1	0.2	1.3	0.0	0.00	0.0
10/22/2020 0:00	8.0	1.1	8.5	1.2	0.2	1.5	0.0	0.00	0.0
10/23/2020 0:00	7.0	0.8	7.5	0.5	0.3	1.0	0.0	0.00	0.0
10/24/2020 0:00	2.2	Down	2.2	0.9	Down	0.9	0.0	Down	0.0
10/25/2020 0:00	7.6	1.1	8.1	1.2	0.2	1.4	0.0	0.00	0.0
10/26/2020 0:00	7.5	1.1	7.9	1.3	0.2	1.5	0.0	0.00	0.0
10/27/2020 0:00	7.9	0.8	8.4	0.7	0.2	1.0	0.0	0.00	0.0
10/28/2020 0:00	7.7	0.8	8.1	0.6	0.2	0.8	0.0	0.00	0.0
10/29/2020 0:00	7.7	1.1	7.7	0.4	0.2	1.2	0.0	0.00	0.0
10/30/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/31/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/01/2020 0:00	7.5	0.6	7.9	0.5	0.2	1.5	0.0	0.00	0.0

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

1/2/2021 11:21:50 AM

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Unit Name: Mariposa Unit 800

Report Start Date/Time : Thu 10/01/2020 0:00

Report End Date/Time : Thu 12/31/2020 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14.2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2.7	Max CO Lbs/Hr Limit 17.3	Max POC Lbs Startup Limit 1.1	Max POC Lbs Shutdown Limit 0.12	Max POC Lbs/Hr Limit 1.4
11/02/2020 0:00	6.9	0.8	7.4	0.9	0.2	1.2	0.0	0.00	0.0
11/03/2020 0:00	7.1	1.0	7.6	0.5	0.2	1.0	0.0	0.00	0.0
11/04/2020 0:00	7.1	0.3	7.7	1.2	0.3	1.8	0.0	0.00	0.0
11/05/2020 0:00	6.7	1.0	7.2	0.6	0.2	0.9	0.0	0.00	0.0
11/06/2020 0:00	8.3	0.7	8.8	1.0	0.2	1.2	0.0	0.00	0.0
11/07/2020 0:00	7.3	0.6	7.8	1.0	0.2	1.2	0.0	0.00	0.0
11/08/2020 0:00	7.4	0.1	7.5	1.2	0.2	1.4	0.0	0.00	0.0
11/09/2020 0:00	6.3	1.2	7.1	1.3	0.2	1.6	0.0	0.00	0.0
11/10/2020 0:00	6.5	1.1	7.0	1.0	0.2	1.6	0.0	0.00	0.0
11/11/2020 0:00	8.2	0.9	8.8	0.7	0.2	1.0	0.0	0.00	0.0
11/12/2020 0:00	6.8	0.9	7.3	0.7	0.2	0.9	0.0	0.00	0.0
11/13/2020 0:00	5.9	0.7	6.8	0.7	0.2	1.3	0.0	0.00	0.0
11/14/2020 0:00	7.4	0.5	8.8	0.6	0.2	1.1	0.0	0.00	0.0
11/15/2020 0:00	6.7	0.7	8.1	0.9	0.2	1.4	0.0	0.00	0.0
11/16/2020 0:00	6.5	0.9	6.9	1.1	0.2	1.3	0.0	0.00	0.0
11/17/2020 0:00	6.6	1.1	7.1	1.0	0.3	1.7	0.0	0.00	0.0
11/18/2020 0:00	7.0	0.9	7.4	1.0	0.2	1.2	0.0	0.00	0.0
11/19/2020 0:00	7.3	1.0	7.8	0.6	0.2	0.8	0.0	0.00	0.0
11/20/2020 0:00	7.6	1.1	8.1	1.2	0.2	1.5	0.0	0.00	0.0
11/21/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/22/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/23/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/24/2020 0:00	8.4	1.1	8.8	1.3	0.3	1.5	0.0	0.00	0.0
11/25/2020 0:00	6.9	0.9	7.2	0.8	0.2	1.0	0.0	0.00	0.0
11/26/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/27/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/28/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/29/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/30/2020 0:00	8.0	1.2	8.7	0.6	0.3	1.4	0.0	0.00	0.0
12/01/2020 0:00	8.4	1.1	9.4	1.2	0.3	1.9	0.0	0.00	0.0
12/02/2020 0:00	7.6	1.1	8.1	0.5	0.4	1.8	0.0	0.00	0.0
12/03/2020 0:00	8.3	0.7	8.7	0.9	0.2	1.5	0.0	0.00	0.0

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

1/2/2021 11:21:50 AM

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Unit Name: Mariposa Unit 800

Report Start Date/Time : Thu 10/01/2020 0:00

Report End Date/Time : Thu 12/31/2020 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14.2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2.7	Max CO Lbs/Hr Limit 17.3	Max POC Lbs Startup Limit 1.1	Max POC Lbs Shutdown Limit 0.12	Max POC Lbs/Hr Limit 1.4
12/04/2020 0:00	5.3	1.2	6.4	1.1	0.2	1.8	0.0	0.00	0.0
12/05/2020 0:00	7.5	0.3	8.1	0.4	0.3	1.2	0.0	0.00	0.0
12/06/2020 0:00	7.3	1.1	7.8	1.2	0.2	1.5	0.0	0.00	0.0
12/07/2020 0:00	8.3	2.0	9.5	1.2	0.2	1.9	0.0	0.00	0.0
12/08/2020 0:00	7.2	1.1	7.5	0.9	0.2	1.1	0.0	0.00	0.0
12/09/2020 0:00	8.7	0.8	9.2	1.3	0.2	1.8	0.0	0.00	0.0
12/10/2020 0:00	6.5	1.1	7.7	0.8	0.3	1.8	0.0	0.00	0.0
12/11/2020 0:00	6.2	1.1	6.7	0.9	0.3	1.9	0.0	0.00	0.0
12/12/2020 0:00	8.5	1.0	8.8	0.6	0.3	1.7	0.0	0.00	0.0
12/13/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/14/2020 0:00	8.2	0.9	8.8	0.6	0.3	1.2	0.0	0.00	0.0
12/15/2020 0:00	4.9	0.9	5.7	0.6	0.3	1.6	0.0	0.00	0.0
12/16/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/17/2020 0:00	7.0	0.4	7.4	1.3	0.2	1.5	0.0	0.00	0.0
12/18/2020 0:00	7.7	1.0	8.5	0.7	0.3	1.7	0.0	0.00	0.0
12/19/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/20/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/21/2020 0:00	8.4	0.9	8.7	0.5	0.3	1.1	0.0	0.00	0.0
12/22/2020 0:00	7.3	1.0	7.8	0.9	0.2	1.2	0.0	0.00	0.0
12/23/2020 0:00	5.7	0.7	6.0	1.8	0.2	1.9	0.0	0.00	0.0
12/24/2020 0:00	7.2	0.7	7.7	0.9	0.2	1.2	0.0	0.00	0.0
12/25/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/26/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/27/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/28/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/29/2020 0:00	8.7	1.1	9.2	1.3	0.2	1.5	0.0	0.00	0.0
12/30/2020 0:00	7.6	0.7	8.5	0.7	0.2	1.1	0.0	0.00	0.0
12/31/2020 0:00	7.5	0.8	8.1	1.2	0.2	1.5	0.0	0.00	0.0

Total:

Average:	7.4	0.9	7.9	0.9	0.2	1.4	0.0	0.00	0.03
Maximum:	10.0	2.0	10.6	1.8	0.4	1.9	0.0	0.00	0.04
Minimum:	2.2	0.1	2.2	0.4	0.2	0.8	0.0	0.00	0.00

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

1/2/2021 11:21:58 AM

Page 1 of 3

Unit Name: Mariposa Unit 900

Report Start Date/Time : Thu 10/01/2020 0:00

Report End Date/Time : Thu 12/31/2020 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14.2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2.7	Max CO Lbs/Hr Limit 17.3	Max POC Lbs Startup Limit 1.1	Max POC Lbs Shutdown Limit 0.12	Max POC Lbs/Hr Limit 1.4
10/01/2020 0:00	6.7	1.4	7.2	0.5	0.1	1.5	0.0	0.00	0.0
10/02/2020 0:00	6.8	1.2	7.2	1.5	0.1	1.8	0.0	0.00	0.0
10/03/2020 0:00	6.9	0.9	7.8	0.4	0.1	1.0	0.0	0.00	0.0
10/04/2020 0:00	7.0	1.2	7.7	0.5	0.1	1.1	0.0	0.00	0.0
10/05/2020 0:00	9.1	1.1	9.6	1.6	0.1	1.8	0.0	0.00	0.0
10/06/2020 0:00	6.8	1.0	7.3	0.6	0.1	1.3	0.0	0.00	0.0
10/07/2020 0:00	6.7	1.1	7.3	0.8	0.1	1.1	0.0	0.00	0.0
10/08/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/09/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/10/2020 0:00	8.5	1.2	9.1	0.9	0.1	1.1	0.0	0.00	0.0
10/11/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/12/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/13/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/14/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/15/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/16/2020 0:00	10.5	1.4	11.0	0.3	0.1	0.5	0.0	0.00	0.0
10/17/2020 0:00	6.2	2.1	6.3	1.2	0.1	1.3	0.0	0.00	0.0
10/18/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/19/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/20/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/21/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/22/2020 0:00	7.5	1.2	8.0	1.2	0.1	1.3	0.0	0.00	0.0
10/23/2020 0:00	6.2	1.0	6.8	0.3	0.2	1.1	0.0	0.00	0.0
10/24/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/25/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/26/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/27/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
10/28/2020 0:00	7.8	1.2	8.8	0.3	0.2	0.9	0.0	0.00	0.0
10/29/2020 0:00	7.4	1.4	7.9	1.4	0.1	1.7	0.0	0.00	0.0
10/30/2020 0:00	7.0	1.4	8.1	0.5	0.2	1.3	0.0	0.00	0.0
10/31/2020 0:00	10.2	1.0	10.4	1.4	0.2	1.6	0.0	0.00	0.0
11/01/2020 0:00	4.7	1.4	5.4	0.3	0.1	1.1	0.0	0.00	0.0

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

1/2/2021 11:21:58 AM

Page 2 of 3

Unit Name: Mariposa Unit 900

Report Start Date/Time : Thu 10/01/2020 0:00

Report End Date/Time : Thu 12/31/2020 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14.2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2.7	Max CO Lbs/Hr Limit 17.3	Max POC Lbs Startup Limit 1.1	Max POC Lbs Shutdown Limit 0.12	Max POC Lbs/Hr Limit 1.4
11/02/2020 0:00	6.5	1.2	7.2	1.4	0.2	1.7	0.0	0.00	0.0
11/03/2020 0:00	6.7	1.4	7.2	1.4	0.1	1.8	0.0	0.00	0.0
11/04/2020 0:00	6.9	1.1	7.4	0.5	0.2	1.3	0.0	0.00	0.0
11/05/2020 0:00	6.8	1.3	7.4	0.5	0.1	1.7	0.0	0.00	0.0
11/06/2020 0:00	7.8	0.9	8.2	1.0	0.1	1.2	0.0	0.00	0.0
11/07/2020 0:00	7.4	1.1	7.8	1.1	0.2	1.3	0.0	0.00	0.0
11/08/2020 0:00	8.1	1.2	8.6	1.0	0.1	1.2	0.0	0.00	0.0
11/09/2020 0:00	9.2	1.0	9.8	1.4	0.1	1.9	0.0	0.00	0.0
11/10/2020 0:00	7.6	1.4	8.0	1.3	0.1	1.5	0.0	0.00	0.0
11/11/2020 0:00	8.1	1.3	8.5	1.1	0.1	1.4	0.0	0.00	0.0
11/12/2020 0:00	6.4	1.3	6.9	0.6	0.1	0.9	0.0	0.00	0.0
11/13/2020 0:00	6.8	1.1	7.3	0.6	0.1	1.2	0.0	0.00	0.0
11/14/2020 0:00	6.9	0.8	8.1	0.4	0.1	0.8	0.0	0.00	0.0
11/15/2020 0:00	6.7	1.1	8.2	0.8	0.1	2.0	0.0	0.00	0.0
11/16/2020 0:00	6.7	1.2	7.6	1.2	0.1	1.7	0.0	0.00	0.0
11/17/2020 0:00	6.3	1.4	6.9	1.3	0.2	1.8	0.0	0.00	0.0
11/18/2020 0:00	6.7	1.3	7.2	0.4	0.1	1.1	0.0	0.00	0.0
11/19/2020 0:00	7.1	1.2	7.6	0.3	0.1	0.4	0.0	0.00	0.0
11/20/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/21/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/22/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/23/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/24/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/25/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/26/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/27/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/28/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/29/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
11/30/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/01/2020 0:00	8.4	1.4	9.0	1.1	0.2	1.8	0.0	0.00	0.0
12/02/2020 0:00	7.0	1.2	7.5	1.4	0.2	1.8	0.0	0.00	0.0
12/03/2020 0:00	6.4	0.9	6.8	0.7	0.1	1.4	0.0	0.00	0.0

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

1/2/2021 11:21:58 AM

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Unit Name: Mariposa Unit 900

Report Start Date/Time : Thu 10/01/2020 0:00

Report End Date/Time : Thu 12/31/2020 23:59

DATE/TIME	Max NOx Lbs Startup Limit 14.2	Max NOx Lbs Shutdown Limit 3.2	Max NOx Lbs/Hr Limit 18.5	Max CO Lbs Startup Limit 14.1	Max CO Lbs Shutdown Limit 2.7	Max CO Lbs/Hr Limit 17.3	Max POC Lbs Startup Limit 1.1	Max POC Lbs Shutdown Limit 0.12	Max POC Lbs/Hr Limit 1.4
12/04/2020 0:00	4.4	1.3	5.6	1.3	0.2	2.0	0.0	0.00	0.0
12/05/2020 0:00	6.9	0.7	7.4	0.5	0.2	1.0	0.0	0.00	0.0
12/06/2020 0:00	7.3	1.4	7.8	1.4	0.1	1.6	0.0	0.00	0.0
12/07/2020 0:00	6.5	1.4	7.4	1.5	0.1	2.1	0.0	0.00	0.0
12/08/2020 0:00	6.9	1.3	7.3	0.9	0.1	1.1	0.0	0.00	0.0
12/09/2020 0:00	7.2	1.1	7.9	1.3	0.2	1.4	0.0	0.00	0.0
12/10/2020 0:00	8.9	1.3	9.3	1.2	0.1	1.6	0.0	0.00	0.0
12/11/2020 0:00	7.1	1.2	8.8	1.0	0.2	1.9	0.0	0.00	0.0
12/12/2020 0:00	10.1	1.1	10.7	0.3	0.1	1.9	0.0	0.00	0.0
12/13/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/14/2020 0:00	7.6	1.3	8.1	1.3	0.1	1.6	0.0	0.00	0.0
12/15/2020 0:00	6.4	1.2	7.6	0.9	0.1	1.7	0.0	0.00	0.0
12/16/2020 0:00	9.7	0.3	10.3	0.8	0.2	1.7	0.0	0.00	0.0
12/17/2020 0:00	7.2	1.1	7.7	0.3	0.1	0.8	0.0	0.00	0.0
12/18/2020 0:00	7.6	1.1	8.1	1.4	0.2	1.7	0.0	0.00	0.0
12/19/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/20/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/21/2020 0:00	7.9	1.2	8.3	1.4	0.1	2.1	0.0	0.00	0.0
12/22/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/23/2020 0:00	7.1	1.1	7.7	0.8	0.1	1.1	0.0	0.00	0.0
12/24/2020 0:00	7.3	1.1	7.9	0.8	0.1	1.1	0.0	0.00	0.0
12/25/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/26/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/27/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/28/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/29/2020 0:00	7.5	1.2	8.2	1.4	0.2	1.8	0.0	0.00	0.0
12/30/2020 0:00	Down	Down	Down	Down	Down	Down	Down	Down	Down
12/31/2020 0:00	7.6	1.2	8.4	1.3	0.1	1.6	0.0	0.00	0.0

Total:

Average:	7.3	1.2	8.0	0.9	0.1	1.4	0.0	0.00	0.02
Maximum:	10.5	2.1	11.0	1.6	0.2	2.1	0.0	0.00	0.03
Minimum:	4.4	0.3	5.4	0.3	0.1	0.4	0.0	0.00	0.02

Attachment 12

**Condition AQ-19 Daily Emission Limits:
NO_x, CO, POC, SO₂ Emissions Report**

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

1/2/2021 11:23:49 AM

Page 1 of 3

Unit Name: Mariposa Facility**Report Start Date/Time :** Thu 10/01/2020 0:00**Report End Date/Time :** Thu 12/31/2020 23:59

DATE/TIME	Daily NOx Lbs Limit 1100	Daily CO Lbs Limit 934	Daily POC Lbs Limit 95	Daily SO2 Lbs Limit 130				
10/01/2020 0:00	102	33	1	3				
10/02/2020 0:00	64	19	0	2				
10/03/2020 0:00	59	16	0	2				
10/04/2020 0:00	52	13	0	1				
10/05/2020 0:00	78	29	1	3				
10/06/2020 0:00	73	26	0	3				
10/07/2020 0:00	50	16	0	2				
10/08/2020 0:00	Down	Down	Down	Down				
10/09/2020 0:00	Down	Down	Down	Down				
10/10/2020 0:00	67	11	0	1				
10/11/2020 0:00	Down	Down	Down	Down				
10/12/2020 0:00	Down	Down	Down	Down				
10/13/2020 0:00	Down	Down	Down	Down				
10/14/2020 0:00	Down	Down	Down	Down				
10/15/2020 0:00	Down	Down	Down	Down				
10/16/2020 0:00	43	6	0	1				
10/17/2020 0:00	40	9	0	1				
10/18/2020 0:00	28	7	0	1				
10/19/2020 0:00	19	6	0	1				
10/20/2020 0:00	18	4	0	0				
10/21/2020 0:00	42	5	0	1				
10/22/2020 0:00	53	12	0	1				
10/23/2020 0:00	55	18	0	2				
10/24/2020 0:00	13	4	0	0				
10/25/2020 0:00	43	17	0	2				
10/26/2020 0:00	35	6	0	0				
10/27/2020 0:00	37	8	0	1				
10/28/2020 0:00	28	5	0	0				
10/29/2020 0:00	61	17	0	1				
10/30/2020 0:00	47	13	0	1				
10/31/2020 0:00	33	7	0	0				
11/01/2020 0:00	60	22	0	2				
11/02/2020 0:00	60	22	0	2				
11/03/2020 0:00	70	23	0	2				
11/04/2020 0:00	82	34	1	4				
11/05/2020 0:00	77	30	1	4				
11/06/2020 0:00	72	21	0	2				
11/07/2020 0:00	49	15	0	1				
11/08/2020 0:00	54	13	0	1				
11/09/2020 0:00	114	33	1	3				
11/10/2020 0:00	65	22	0	2				
11/11/2020 0:00	57	16	0	2				
11/12/2020 0:00	51	11	0	1				
11/13/2020 0:00	94	27	0	3				
11/14/2020 0:00	36	7	0	1				
11/15/2020 0:00	69	25	0	3				

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

1/2/2021 11:23:49 AM

Page 2 of 3

Unit Name: Mariposa Facility

Report Start Date/Time : Thu 10/01/2020 0:00

Report End Date/Time : Thu 12/31/2020 23:59

DATE/TIME	Daily NOx Lbs Limit 1100	Daily CO Lbs Limit 934	Daily POC Lbs Limit 95	Daily SO2 Lbs Limit 130				
11/16/2020 0:00	82	25	0	2				
11/17/2020 0:00	96	27	0	2				
11/18/2020 0:00	68	20	0	2				
11/19/2020 0:00	33	5	0	1				
11/20/2020 0:00	29	8	0	1				
11/21/2020 0:00	Down	Down	Down	Down				
11/22/2020 0:00	Down	Down	Down	Down				
11/23/2020 0:00	10	2	0	0				
11/24/2020 0:00	21	6	0	1				
11/25/2020 0:00	11	3	0	0				
11/26/2020 0:00	Down	Down	Down	Down				
11/27/2020 0:00	Down	Down	Down	Down				
11/28/2020 0:00	Down	Down	Down	Down				
11/29/2020 0:00	Down	Down	Down	Down				
11/30/2020 0:00	28	8	0	1				
12/01/2020 0:00	74	22	0	2				
12/02/2020 0:00	109	35	1	4				
12/03/2020 0:00	71	21	0	2				
12/04/2020 0:00	146	59	1	7				
12/05/2020 0:00	68	28	1	3				
12/06/2020 0:00	69	24	0	3				
12/07/2020 0:00	123	41	1	5				
12/08/2020 0:00	61	18	0	2				
12/09/2020 0:00	117	39	1	4				
12/10/2020 0:00	96	39	1	4				
12/11/2020 0:00	131	50	1	6				
12/12/2020 0:00	99	39	1	5				
12/13/2020 0:00	Down	Down	Down	Down				
12/14/2020 0:00	82	28	0	3				
12/15/2020 0:00	88	35	1	4				
12/16/2020 0:00	91	34	1	4				
12/17/2020 0:00	40	7	0	1				
12/18/2020 0:00	54	18	0	2				
12/19/2020 0:00	Down	Down	Down	Down				
12/20/2020 0:00	Down	Down	Down	Down				
12/21/2020 0:00	47	11	0	1				
12/22/2020 0:00	44	12	0	1				
12/23/2020 0:00	44	12	0	1				
12/24/2020 0:00	36	9	0	0				
12/25/2020 0:00	Down	Down	Down	Down				
12/26/2020 0:00	Down	Down	Down	Down				
12/27/2020 0:00	Down	Down	Down	Down				
12/28/2020 0:00	30	6	0	1				
12/29/2020 0:00	47	10	0	1				
12/30/2020 0:00	48	11	0	1				
12/31/2020 0:00	51	13	0	1				

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

1/2/2021 11:23:49 AM

Page 3 of 3

Unit Name: Mariposa Facility**Report Start Date/Time :** Thu 10/01/2020 0:00**Report End Date/Time :** Thu 12/31/2020 23:59

DATE/TIME	Daily NOx Lbs Limit 1100	Daily CO Lbs Limit 934	Daily POC Lbs Limit 95	Daily SO2 Lbs Limit 130				
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Total:	4392	1353	23	141				
Average:	60	19	0	2				
Maximum:	146	59	1	7				
Minimum:	10	2	0	0				

Attachment 13

**Condition AQ-20 Cumulative Rolling 12-Month
CTG Emissions: NO_x, CO, POC, PM₁₀, SO₂
Emissions Report**

Unit Name: Mariposa Facility

DATE/TIME	NOx Tons Limit 45.6	CO Tons Limit 27.2	POC Tons Limit 5.6	PM10 Tons Limit 18.6	SO2 Tons Limit 2.9
10/2020	7.7	2.5	0.0	0.8	0.3
11/2020	7.3	2.4	0.0	0.7	0.2
12/2020	7.4	2.4	0.0	0.7	0.3
Maximum:	7.7	2.5	0.0	0.8	0.3
Minimum:	7.3	2.4	0.0	0.7	0.2

Attachment 14

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

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

1/2/2021 11:24:14 AM

Page 1 of 1

Unit Name: Mariposa Facility

DATE/TIME	S-1:Unit 600 SAM Tons	S-2:Unit 700 SAM Tons	S-3:Unit 800 SAM Tons	S-4:Unit 900 SAM Tons	Facility SAM Tons Limit 7
10/2020	0.09	0.09	0.08	0.08	0.34
11/2020	0.08	0.09	0.08	0.08	0.33
12/2020	0.09	0.09	0.08	0.08	0.33
Maximum:	0.09	0.09	0.08	0.08	0.34
Minimum:	0.08	0.09	0.08	0.08	0.33

Attachment 15

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

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

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

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

There were no violations of any of the applicable permit conditions for Mariposa Energy LLC during the fourth quarter of 2020.

Attachment 16

**Condition AQ-38: 40 CFR Part 72.9(c)(1) SO₂ Allowances
and 40 CFR Part 75 CEM Requirements Report**


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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
057483FACLT	Mariposa Energy Project	CA	Success	ARP	2	0	0	0	0	0	Draft	02/03/2015	Pending	Forsyth, Wayne	02/03/2015 12:53:39 P

[Continue](#)

Attachment 17

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

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

S-6 Diesel Fire Pump Driver Operating Log

Engine JU6H-UFADM8 (Clark Fire Pump Engine Model Designation)
 Model: 6068HFC28A,B,C,D (John Deere Engine Model Designation)
 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
10/28/2019	183.6	184.1	Maintenance & Testing	DB	0.5	0	90%	5.2 gal	1909.4 gal
11/4/2019	184.1	184.6	Maintenance & Testing	GP	0.5	0	90%	5.2 gal	1914.6 gal
11/11/2019	184.6	185.1	Maintenance & Testing	GP	0.5	0	90%	5.2 gal	1919.8 gal
11/18/2019	185.1	185.6	Maintenance & Testing	RR	0.5	0	90%	5.2 gal	1925.0 gal
11/25/2019	185.6	186.1	Maintenance & Testing	DAB	0.5	0	90%	5.2 gal	1930.2 gal
12/2/2019	186.1	186.6	Maintenance & Testing	DAB	0.5	0	90%	5.2 gal	1935.4 gal
12/9/2019	186.6	187.1	Maintenance & Testing	GP	0.5	0	90%	5.2 gal	1940.6 gal
12/16/2019	187.1	187.6	Maintenance & Testing	RR	0.5	0	90%	5.2 gal	1945.8 gal
12/23/2019	187.6	188.1	Maintenance & Testing	JM	0.5	0	85%	5.2 gal	1951.0 gal
12/30/2019	188.1	188.6	Maintenance & Testing	FP	0.5	0	85%	5.2 gal	1956.2 gal
1/6/2020	188.6	189.1	Maintenance & Testing	GP	0.5	0	90%	5.2 gal	1961.4 gal
1/13/2020	189.1	189.6	Maintenance & Testing	RR	0.5	0	90%	5.2 gal	1966.6 gal
1/20/2020	189.6	190.1	Maintenance & Testing	JM	0.5	0	90%	5.2 gal	1971.8 gal
1/27/2020	190.1	190.6	Maintenance & Testing	DAB	0.5	0	90%	5.2 gal	1977.0 gal
2/3/2020	190.6	191.1	Maintenance & Testing	GP	0.5	0	85%	5.2 gal	1982.2 gal
2/10/2020	191.1	191.6	Maintenance & Testing	RR	0.5	0	85%	5.2 gal	1987.4 gal
2/17/2020	191.6	192.1	Maintenance & Testing	JM	0.5	0	85%	5.2 gal	1992.6 gal
2/24/2020	192.1	192.6	Maintenance & Testing	DAB	0.5	0	85%	5.2 gal	1997.8 gal
3/2/2020	192.6	193.1	Maintenance & Testing	RR	0.5	0	85%	5.2 gal	2003.0 gal
3/9/2020	193.1	193.3	Maintenance & Testing	RR	0.0	0	85%	5.2 gal	2008.2 gal
3/9/2020	193.3	193.8	Maintenance & Testing	RR	0.5	0	80%	5.2 gal	2013.4 gal
3/16/2020	193.8	194.3	Maintenance & Testing	JM	0.5	0	80%	5.2 gal	2018.6 gal
3/23/2020	194.3	194.8	Maintenance & Testing	GP	0.5	0	80%	5.2 gal	2023.8 gal
3/30/2020	194.8	195.3	Maintenance & Testing	RR	0.5	0	80%	5.2 gal	2029.0 gal
4/6/2020	195.3	195.8	Maintenance & Testing	DAB	0.5	0	88%	5.2 gal	2034.2 gal
4/13/2020	195.8	196.3	Maintenance & Testing	DAB	0.5	0	88%	5.2 gal	2039.4 gal
4/20/2020	196.3	196.8	Maintenance & Testing	GP	0.5	0	78%	5.2 gal	2044.6 gal
4/27/2020	196.8	197.3	Maintenance & Testing	GP	0.5	0	88%	5.2 gal	2049.8 gal
5/4/2020	197.3	197.8	Maintenance & Testing	DAB	0.5	0	75%	5.2 gal	2055.0 gal
5/11/2020	197.8	198.3	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	2060.2 gal
5/22/2020	198.3	199.0	Maintenance & Testing	DAB	0.8	0	75%	5.2 gal	2065.4 gal
5/28/2020	199.0	199.5	Maintenance & Testing		0.8	0	88%	5.2 gal	2070.6 gal
6/1/2020	199.5	200.0	Maintenance & Testing	DAB	0.5	0	100%	5.2 gal	2075.8 gal
6/8/2020	200.0	200.5	Maintenance & Testing	JM	0.5	0	100%	5.2 gal	2081.0 gal
6/15/2020	200.5	201.0	Maintenance & Testing	GP	0.5	0	100%	5.2 gal	2086.2 gal
6/22/2020	201.0	201.5	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	2091.4 gal
6/29/2020	201.5	202.0	Maintenance & Testing	GP	0.5	0	88%	5.2 gal	2096.6 gal
7/6/2020	202.0	202.5	Maintenance & Testing	GP	0.5	0	88%	5.2 gal	2101.8 gal
7/7/2020	202.5	202.5	Maintenance & Testing	GP	0.0	0	88%	5.2 gal	2107.0 gal
7/13/2020	202.5	203.0	Maintenance & Testing	GP	0.5	0	88%	5.2 gal	2112.2 gal
7/20/2020	203.0	203.5	Maintenance & Testing	GP	0.5	0	88%	5.2 gal	2117.4 gal
7/27/2020	203.5	204.0	Maintenance & Testing	GP	0.5	0	88%	5.2 gal	2122.6 gal
8/3/2020	204.0	204.5	Maintenance & Testing	GP	0.5	0	88%	5.2 gal	2127.8 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
8/10/2020	204.5	205.0	Maintenance & Testing	DH	0.5	0	88%	5.2 gal	2133.0 gal
8/17/2020	205.0	205.5	Maintenance & Testing	GP	0.5	0	88%	5.2 gal	2138.2 gal
8/24/2020	205.5	206.0	Maintenance & Testing	DH	0.5	0	88%	5.2 gal	2143.4 gal
8/31/2020	206.0	206.5	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	2148.6 gal
9/7/2020	206.5	207.0	Maintenance & Testing	GP	0.5	0	88%	5.2 gal	2153.8 gal
9/14/2020	207.0	207.5	Maintenance & Testing	DAP	0.5	0	88%	5.2 gal	2159.0 gal
9/22/2020	207.5	208.0	Maintenance & Testing	PH	0.5	0	75%	5.2 gal	2164.2 gal
9/28/2020	208.0	208.5	Maintenance & Testing	JM	0.5	0	75%	5.2 gal	2169.4 gal
10/5/2020	208.5	209.0	Maintenance & Testing	GP	0.5	0	75%	5.2 gal	2174.6 gal
10/12/2020	209.0	209.5	Maintenance & Testing	GP	0.5	0	75%	5.2 gal	2179.8 gal
10/19/2020	209.5	210.0	Maintenance & Testing	DAB	0.5	0	88%	5.2 gal	2185.0 gal
10/26/2020	210.0	210.5	Maintenance & Testing	GP	0.5	0	88%	5.2 gal	2190.2 gal
11/2/2020	210.5	211.0	Maintenance & Testing	GP	0.5	0	90%	5.2 gal	2195.4 gal
11/9/2020	211.0	211.5	Maintenance & Testing	DAB	0.5	0	88%	5.2 gal	2200.6 gal
11/16/2020	211.5	212.0	Maintenance & Testing	HP	0.5	0	88%	5.2 gal	2205.8 gal
11/23/2020	212.0	212.5	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	2211.0 gal
11/30/2020	212.5	213.0	Maintenance & Testing	HP	0.5	0	88%	5.2 gal	2216.2 gal
12/9/2020	213.0	213.5	Maintenance & Testing	GP	0.5	0	88%	5.2 gal	2221.4 gal
12/15/2020	213.5	214.0	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	2226.6 gal
12/22/2020	214.0	214.5	Maintenance & Testing	JM	0.5	0	88%	5.2 gal	2231.8 gal
12/28/2020	214.5	215.0	Maintenance & Testing	GP	0.5	0	88%	5.2 gal	2237.0 gal
1/4/2021	215.0	215.5	Maintenance & Testing	GP	0.5	0	88%	5.2 gal	2242.2 gal
Permit Annual Limit = 50 hours/year for reliability-related (maintenance & testing) testing.				TOTAL HOURS	215.1 Hours	0.0 Hours			

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).

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

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

Location: Diesel Fire Pump Room, Mariposa Energy Center

Summary					
Year	Months	Stop Timer Reading	Start Timer Reading	Total Actual Maintenance and Testing Hours	12-Month Running Total Hours
2020	January	190.6	188.6	2.0	26.0
2020	February	192.6	190.6	2.0	26.0
2020	March	195.3	192.6	2.7	26.7
2020	April	197.3	195.3	2.0	26.2
2020	May	199	197.3	1.7	25.9
2020	June	202	199.5	2.5	26.9
2020	July	204	202	2.0	26.4
2020	August	206.5	204	2.5	26.9
2020	September	208.5	206.5	2.0	26.4
2020	October	210.5	208.5	2.0	26.4
2020	November	213	210.5	2.5	26.9
2020	December	215	213	2.0	26.4