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City of VERNON CALIFORNIA

July 30, 2024

NOTICE OF INTENT TO FILE
2024 Q2 Compliance Report for the
Malburg Generating Station (01-AFC-25C)

Dear Dr. Ali:

Attached please find the Quarterly Compliance Report for the Malburg Generating Station (01-AFC-25C), covering the operational period of April 1, 2024, through June 30, 2024. This report addresses all quarterly requirements identified in the Final Commission Decision for the Malburg Generating Station (TN #28746), as most recently amended on June 20, 2019, by the Errata to Staff Analysis of Petition to Amend the Final Commission Decision (TN #228444).

If you have any questions or need more information, please contact Matt Richards, Utilities Operations Manager, at MRichards@cityofvernon.org or (323) 583-8811 x378.

Thank you,

Todd Dusenberry
General Manager of Vernon Public Utilities

Copies: Lisa Umeda
Matt Richards
Document Control

Enclosure: MGS 2024 Q2 Compliance Report

Malburg Generating Station Quarterly Compliance Report (Second Quarter 2024)

Submitted to
California Energy Commission

Submitted by
City of Vernon, Public Utilities Department

July 30, 2024

Document no: 240723110159_4f2c25f0
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Contents

Appendices

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Acronyms and Abbreviations

CEC	California Energy Commission
CEMS	continuous emissions monitoring system
CO	carbon monoxide
COC	Conditions of Certification
CTGs	combustion turbine generators
DAHS	data acquisition and handling system
gr/scf	grain per standard cubic foot
HRSGs	heat recovery steam generators
lb/day	pounds per day
lb/hr	pounds per hour
MGS	Malburg Generating Station
NH_3	ammonia
NOx	nitrogen oxides
PM_{10}	particulate matter with aerodynamic diameter less than or equal to 10 microns
$PM_{2.5}$	particulate matter with aerodynamic diameter less than or equal to 2.5 microns
ppm	parts per million
ppmv	parts per million by volume
ppmw	parts per million by weight
QCR	Quarterly Compliance Report
SCAQMD	South Coast Air Quality Management District
SOx	sulfur oxides
STG	steam turbine generator
TDS	total dissolved solids
VOC	volatile organic compound

1. Introduction

This Quarterly Compliance Report (QCR) has been prepared to meet the California Energy Commission's (CEC) quarterly reporting requirements for the Malburg Generating Station (MGS). This QCR fulfills various Conditions of Certification (COC) described in the CEC's Final Commission Decision for the MGS (TN #28746), as most recently amended on June 20, 2019 by the Errata to Staff Analysis of Petition to Amend the Final Commission Decision (TN #228444).

1.1 Project Location and Description

The MGS is located at 4963 S Soto Street in Vernon, California. The property is approximately 3.4 acres in size, located in an industrial land use area near the geographic center of metropolitan Los Angeles County. MGS consists of two Siemens SGT-800 frame type natural gas combustion turbine generators (CTGs), two associated natural gas combustion duct burners, two heat recovery steam generators (HRSGs), a steam turbine generator (STG), a cooling tower, a diesel-fired emergency firewater pump, and support equipment.

The commissioning of MGS was completed in October 2005 and the power plant began commercial operation on October 17, 2005.

1.2 Organization of the Quarterly Compliance Report

A summary of the compliance demonstration for each applicable COC is provided in Section 2 and includes references to Appendices and Tables as appropriate.

2. Required Quarterly Compliance Report Documentation

COC requirements associated with this QCR are summarized in the table below.

Table 2-1. Required Quarterly Compliance Report Documentation

Condition of Certification	Response
AQ-C6	The weekly total dissolved solids (TDS) results for the second quarter of 2024 are provided in Appendix A, Table 2; the weekly sample reports collected for the same period are provided in Appendix B.
AQ-C7	Daily particulate matter with aerodynamic diameter less than or equal to 10 microns (PM_{10}) emissions from cooling tower operation during the second quarter of 2024 are provided in Appendix A, Tables 3 through 5. As shown, emissions were below the specified limit of 6.2 pounds per day (lb/day).
AQ-C8	Testing times for the diesel-fired emergency firewater pump during the second quarter of 2024 are provided in Appendix C, Table 2. MGS refrained from testing the diesel-fired emergency firewater pump in the same hour the CTGs were either started or shutdown.
AQ-C9	The CTG startup and shutdown details for the second quarter of 2024, including the duration and date of occurrence, are provided in Appendix C, Table 1.
AQ-C11	All ammonia (NH_3), nitrogen oxides (NOx), sulfur oxides (SOx), carbon monoxide (CO), PM_{10}, and volatile organic compound (VOC) emissions from MGS operation during the second quarter of 2024 are provided in Appendix A, Table 1.
AQ-2	Low sulfur diesel fuel was last purchased on March 20, 2024. The fuel purchase record is provided in Appendix D and demonstrates that the fuel does not contain sulfur compounds in excess of 15 parts per million by weight (ppmw).
AQ-3	See the response for COC AQ-2.

Condition of Certification	Response
AQ-5	Monthly emissions of CO, PM_{10}, particulate matter with an aerodynamic diameter less than or equal to 2.5 microns ($PM_{2.5}$), VOC, and SOx from CTG and duct burner operation during the second quarter of 2024 are presented in Appendix A, Tables 7 through 9. Fuel usage for each turbine-duct burner pair is provided in Appendix A, Table 6. As shown, emissions were below the monthly limits specified in Condition A63.4 of the site's Title V Permit.
AQ-6	See the response for COC AQ-C9.
AQ-9	See the response for COC AQ-C11. Additionally, quarterly NOx excess emission reports from the data acquisition and handling system (DAHS) are provided in Appendix E. As demonstrated in these reports, there were no incidents in which the maximum corrected NOx emissions concentration for either CTG exceeded the emission concentration limit of 2.0 parts per million by volume (ppmv). All continuous emissions monitoring system (CEMS) data for MGS' CTGs are stored electronically onsite.
AQ-10	See the response for COC AQ-C11. Additionally, quarterly CO excess emission reports from the DAHS are provided in Appendix E. As demonstrated in these reports, there were no incidents in which the maximum corrected CO emissions concentration for either CTG exceeded the emission concentration limit of 2.0 ppmv. All CEMS data for MGS' CTGs are stored electronically onsite.
AQ-11	See the response for COC AQ-C11. Additionally, quarterly VOC excess emission reports from the DAHS are provided in Appendix E. As demonstrated in these reports, there were no incidents in which the maximum corrected VOC emissions concentration for either CTG exceeded the emission concentration limit of 2.0 ppmv. All CEMS data for MGS' CTGs are stored electronically onsite.
AQ-12	See the response for COC AQ-C11. Additionally, compliance with the specified limit of 5 parts per million (ppm) is primarily demonstrated through annual or quarterly source testing. The most recent NH_3 compliance source testing for CTG 1 and CTG 2 was performed on March 13 and 14, 2024. The test report with results was submitted to the CEC on May 1, 2024, and indicated compliance with the emission limit (0.9 ppm). NH_3 emissions are also calculated via the CEMS on an hourly basis and confirmed to comply with the NH_3 concentration limit of 5 ppm.
AQ-13	See the response for COC AQ-C11. Additionally, the most recent triennial compliance source test, performed in July 2022, indicated compliance with the Rule 475 particulate matter emission limits of 5 kilograms per hour (11 pounds per hour [lb/hr]) or 23 milligrams per cubic meter (0.01 grain per standard cubic foot [gr/scf]) for both CTGs (0.67 lb/hr and 0.0003 gr/scf for CTG 1 and 1.83 lb/hr and 0.0007 gr/scf for CTG 2).
AQ-14	See the response for COC AQ-2.
AQ-15	Year-to-date hours of operation for the diesel-fired emergency firewater pump are provided in Appendix A, Table 10. As shown, the year-to-date 2024 hours for maintenance and testing did not exceed 50 hours and the total operational hours did not exceed 200 hours.
AQ-27	See the response for COC AQ-5. As shown, fuel consumption per turbine-duct burner pair did not exceed the specified limit of 405 million cubic feet per month.
AQ-36	See the responses for COCs AQ-5 and AQ-6.

Appendix A
MGS Emission Calculations

Malburg Generating Station
Quarterly Compliance Report
Appendix A, Table 1

Reporting Period: Quarter 2 2024

Table 1. Quarterly Emissions - April 1, 2024 through June 30, 2024

Source	Quarterly Emissions (lb/quarter)					
	NOx	CO	VOC	SOx	$PM_{10}/PM_{2.5}$	NH_3
CTG 1 & Duct Burner	2,461	951	511	93	2,003	3,032
CTG 2 & Duct Burner	1,722	565	373	67.2	1,460	2,209
Cooling Tower	--	--	--	--	118	--
Diesel Firewater Pump	33.1	1.0	0.2	0.0	0.2	0.1
Total	**4,216**	**1,517**	**885**	**160**	**3,581**	**5,241**

Malburg Generating Station
Quarterly Compliance Report
Appendix A, Table 2

Reporting Period: **Quarter 2 2024**

Table 2. Cooling Tower Total Dissolved Solids (TDS) Sampling Results [1]

Sampling Period		TDS (ppm) [2]
Start Date	End Date	
3/31/2024	4/6/2024	4,210
4/7/2024	4/13/2024	4,240
4/14/2024	4/20/2024	4,360
4/21/2024	4/27/2024	4,780
4/28/2024	5/4/2024	4,490
5/5/2024	5/11/2024	4,110
5/12/2024	5/18/2024	--
5/19/2024	5/25/2024	3,860
5/26/2024	6/1/2024	3,700
6/2/2024	6/8/2024	4,300
6/9/2024	6/15/2024	5,950
6/16/2024	6/22/2024	3,770
6/23/2024	6/29/2024	4,070
6/30/2024	7/6/2024	4,470

[1] Sampling results taken from Positive Lab's Weekly Cooling Tower Blowdown Reports, as provided in Appendix B of the QCR.

[2] No sample was collected the week of May 12, 2024 because the plant was undergoing its' spring outage.

Malburg Generating Station
Quarterly Compliance Report
Appendix A, Table 3

Reporting Period: **April 2024**

Cooling Tower Total Dissolved Solids (TDS) Sampling Results

Data Source: Positive Lab's Weekly Cooling Tower Blowdown Reports, as provided in Appendix B of the QCR

Sample Date	Period		TDS (ppm)
	Start Date	End Date	
4/2/2024	3/31/2024	4/6/2024	4,210
4/8/2024	4/7/2024	4/13/2024	4,240
4/15/2024	4/14/2024	4/20/2024	4,360
4/24/2024	4/21/2024	4/27/2024	4,780
4/29/2024	4/28/2024	5/4/2024	4,490

Methodology (per Condition of Certification [COC] AQ-C7)

PM_{10} Emissions (lb/day) = Circulation Rate (gal/day) x Density of Water (lb/gal) x Total Dissolved Solids (ppm) / 1,000,000 x Drift Factor (%) / 100 x Correction Factor

Constants

Parameter	Value
Circulation Rate per Pump (gal/min) [1]	13,500
Number of Pumps	2
Total Circulation Rate (gal/min)	27,000
Water Density (lb/gal)	8.334
Drift Factor (%) [2]	0.0005
Correction Factor (unitless) [3]	0.2

[1] Source: M3-10 Main Circulating Water System P&ID.

[2] Per COC AQ-C4.

[3] Source: SPX Cooling Technologies' Cooling Tower Drift Mass Distribution.

Cooling Tower Daily PM_{10} Emissions

Date	Circulation Rate (gal/day) [1]	TDS (ppm)	PM_{10} Emissions (lb/day)	Above 6.2 lb/day PM_{10} Limit? [2]
4/1/2024	38,880,000	4,210	1.36	No
4/2/2024	38,880,000	4,210	1.36	No
4/3/2024	38,880,000	4,210	1.36	No
4/4/2024	38,880,000	4,210	1.36	No
4/5/2024	38,880,000	4,210	1.36	No
4/6/2024	38,880,000	4,210	1.36	No
4/7/2024	38,880,000	4,240	1.37	No
4/8/2024	38,880,000	4,240	1.37	No
4/9/2024	38,880,000	4,240	1.37	No
4/10/2024	38,880,000	4,240	1.37	No
4/11/2024	38,880,000	4,240	1.37	No
4/12/2024	38,880,000	4,240	1.37	No
4/13/2024	38,880,000	4,240	1.37	No
4/14/2024	38,880,000	4,360	1.41	No
4/15/2024	38,880,000	4,360	1.41	No
4/16/2024	38,880,000	4,360	1.41	No
4/17/2024	38,880,000	4,360	1.41	No
4/18/2024	38,880,000	4,360	1.41	No
4/19/2024	38,880,000	4,360	1.41	No
4/20/2024	38,880,000	4,360	1.41	No
4/21/2024	38,880,000	4,780	1.55	No
4/22/2024	38,880,000	4,780	1.55	No
4/23/2024	38,880,000	4,780	1.55	No
4/24/2024	38,880,000	4,780	1.55	No
4/25/2024	38,880,000	4,780	1.55	No
4/26/2024	38,880,000	4,780	1.55	No
4/27/2024	38,880,000	4,780	1.55	No
4/28/2024	38,880,000	4,490	1.45	No
4/29/2024	38,880,000	4,490	1.45	No
4/30/2024	38,880,000	4,490	1.45	No

[1] Maximum daily circulation rate conservatively used to estimate PM_{10} emissions when the cooling tower is operated for any part of the day. Circulation rate is zero for days the cooling tower is not operated at all.

[2] Daily emissions limit established in COC AQ-C7.

Malburg Generating Station
Quarterly Compliance Report
Appendix A, Table 4

Reporting Period: **May 2024**

Cooling Tower Total Dissolved Solids (TDS) Sampling Results

Data Source: Positive Lab's Weekly Cooling Tower Blowdown Reports, as provided in Appendix B of the QCR

Sample Date [1]	Period		TDS (ppm)
	Start Date	End Date	
4/29/2024	4/28/2024	5/4/2024	4,490
5/7/2024	5/5/2024	5/11/2024	4,110
--	5/12/2024	5/18/2024	--
5/21/2024	5/19/2024	5/25/2024	3,860
5/28/2024	5/26/2024	6/1/2024	3,700

[1] No sample was collected the week of May 12, 2024 because the plant was undergoing its' spring outage.

Methodology (per Condition of Certification [COC] AQ-C7)

PM_{10} Emissions (lb/day) = Circulation Rate (gal/day) x Density of Water (lb/gal) x Total Dissolved Solids (ppm) / 1,000,000 x Drift Factor (%) / 100 x Correction Factor

Constants

Parameter	Value
Circulation Rate per Pump (gal/min) [1]	13,500
Number of Pumps	2
Total Circulation Rate (gal/min)	27,000
Water Density (lb/gal)	8.334
Drift Factor (%) [2]	0.0005
Correction Factor (unitless) [3]	0.2

[1] Source: M3-10 Main Circulating Water System P&ID.

[2] Per COC AQ-C4.

[3] Source: SPX Cooling Technologies' Cooling Tower Drift Mass Distribution.

Cooling Tower Daily PM_{10} Emissions

Date	Circulation Rate (gal/day) [1]	TDS (ppm) [2]	PM_{10} Emissions (lb/day)	Above 6.2 lb/day PM_{10} Limit? [3]
5/1/2024	38,880,000	4,490	1.45	No
5/2/2024	38,880,000	4,490	1.45	No
5/3/2024	38,880,000	4,490	1.45	No
5/4/2024	38,880,000	4,490	1.45	No
5/5/2024	38,880,000	4,110	1.33	No
5/6/2024	38,880,000	4,110	1.33	No
5/7/2024	38,880,000	4,110	1.33	No
5/8/2024	38,880,000	4,110	1.33	No
5/9/2024	38,880,000	4,110	1.33	No
5/10/2024	38,880,000	4,110	1.33	No
5/11/2024	38,880,000	4,110	1.33	No
5/12/2024	38,880,000	--	0.00	No
5/13/2024	38,880,000	--	0.00	No
5/14/2024	38,880,000	--	0.00	No
5/15/2024	38,880,000	--	0.00	No
5/16/2024	38,880,000	--	0.00	No
5/17/2024	38,880,000	--	0.00	No
5/18/2024	38,880,000	--	0.00	No
5/19/2024	38,880,000	3,860	1.25	No
5/20/2024	38,880,000	3,860	1.25	No
5/21/2024	38,880,000	3,860	1.25	No
5/22/2024	38,880,000	3,860	1.25	No
5/23/2024	38,880,000	3,860	1.25	No
5/24/2024	38,880,000	3,860	1.25	No
5/25/2024	38,880,000	3,860	1.25	No
5/26/2024	38,880,000	3,700	1.20	No
5/27/2024	38,880,000	3,700	1.20	No
5/28/2024	38,880,000	3,700	1.20	No
5/29/2024	38,880,000	3,700	1.20	No
5/30/2024	38,880,000	3,700	1.20	No
5/31/2024	38,880,000	3,700	1.20	No

[1] Maximum daily circulation rate conservatively used to estimate PM_{10} emissions when the cooling tower is operated for any part of the day. Circulation rate is zero for days the cooling tower is not operated at all.

[2] No sample was collected the week of May 12, 2024 because the plant was undergoing its' spring outage.

[3] Daily emissions limit established in COC AQ-C7.

Malburg Generating Station
Quarterly Compliance Report
Appendix A, Table 5

Reporting Period: **June 2024**

Cooling Tower Total Dissolved Solids (TDS) Sampling Results

Data Source: Positive Lab's Weekly Cooling Tower Blowdown Reports, as provided in Appendix B of the QCR

Sample Date	Period		TDS (ppm)
	Start Date	End Date	
5/28/2024	5/26/2024	6/1/2024	3,700
6/4/2024	6/2/2024	6/8/2024	4,300
6/10/2024	6/9/2024	6/15/2024	5,950
6/18/2024	6/16/2024	6/22/2024	3,770
6/25/2024	6/23/2024	6/29/2024	4,070
07/02/2024	6/30/2024	7/6/2024	4,470

Methodology (per Condition of Certification [COC] AQ-C7)

PM_{10} Emissions (lb/day) = Circulation Rate (gal/day) x Density of Water (lb/gal) x Total Dissolved Solids (ppm) / 1,000,000 x Drift Factor (%) / 100 x Correction Factor

Constants

Parameter	Value
Circulation Rate per Pump (gal/min) [1]	13,500
Number of Pumps	2
Total Circulation Rate (gal/min)	27,000
Water Density (lb/gal)	8.334
Drift Factor (%) [2]	0.0005
Correction Factor (unitless) [3]	0.2

[1] Source: M3-10 Main Circulating Water System P&ID.

[2] Per COC AQ-C4.

[3] Source: SPX Cooling Technologies' Cooling Tower Drift Mass

Cooling Tower Daily PM_{10} Emissions

Date	Circulation Rate (gal/day) [1]	TDS (ppm)	PM_{10} Emissions (lb/day)	Above 6.2 lb/day PM_{10} Limit? [2]
6/1/2024	38,880,000	3,700	1.20	No
6/2/2024	38,880,000	4,300	1.39	No
6/3/2024	38,880,000	4,300	1.39	No
6/4/2024	38,880,000	4,300	1.39	No
6/5/2024	38,880,000	4,300	1.39	No
6/6/2024	38,880,000	4,300	1.39	No
6/7/2024	38,880,000	4,300	1.39	No
6/8/2024	38,880,000	4,300	1.39	No
6/9/2024	38,880,000	5,950	1.93	No
6/10/2024	38,880,000	5,950	1.93	No
6/11/2024	38,880,000	5,950	1.93	No
6/12/2024	38,880,000	5,950	1.93	No
6/13/2024	38,880,000	5,950	1.93	No
6/14/2024	38,880,000	5,950	1.93	No
6/15/2024	38,880,000	5,950	1.93	No
6/16/2024	38,880,000	3,770	1.22	No
6/17/2024	38,880,000	3,770	1.22	No
6/18/2024	38,880,000	3,770	1.22	No
6/19/2024	38,880,000	3,770	1.22	No
6/20/2024	38,880,000	3,770	1.22	No
6/21/2024	38,880,000	3,770	1.22	No
6/22/2024	38,880,000	3,770	1.22	No
6/23/2024	38,880,000	4,070	1.32	No
6/24/2024	38,880,000	4,070	1.32	No
6/25/2024	38,880,000	4,070	1.32	No
6/26/2024	38,880,000	4,070	1.32	No
6/27/2024	38,880,000	4,070	1.32	No
6/28/2024	38,880,000	4,070	1.32	No
6/29/2024	38,880,000	4,070	1.32	No
6/30/2024	38,880,000	4,470	1.45	No

[1] Maximum daily circulation rate conservatively used to estimate PM_{10} emissions when the cooling tower is operated for any part of the day. Circulation rate is zero for days the cooling tower is not operated at all.

[2] Daily emissions limit established in COC AQ-C7.

Malburg Generating Station
Quarterly Compliance Report
Appendix A, Tables 6, 7, 8, & 9

Reporting Period: Quarter 2 2024

Table 6. Monthly Turbine-Duct Burner Fuel Flow

Source	April		May		June	
	Fuel Flow (MMscf/month) [1]	Above 405 MMscf/month Limit? [2]	Fuel Flow (MMscf/month) [1]	Above 405 MMscf/month Limit? [2]	Fuel Flow (MMscf/month) [1]	Above 405 MMscf/month Limit? [2]
CTG 1	161		72		100.6	
CTG 1 Duct Burner	0.00		0.00		0.06	
Total CTG 1 & Duct Burner	**161**	**No**	**72**	**No**	**100.7**	**No**
CTG 2	53.54		107.40		82	
CTG 2 Duct Burner	0.00		0.00		0.00	
Total CTG 2 & Duct Burner	**53.54**	**No**	**107.40**	**No**	**82**	**No**

[1] CTG and Duct Burner fuel flow data obtained from 'U1/U2_MonthlySummary_MassEmissionsAndFuel' and 'All_12MonthSummary_GasUsage' RegPerfect Reports.

[2] Monthly fuel flow limit is per Condition of Certification (COC) AQ-27.

Table 7. Monthly Emissions - April 2024

Source	Monthly Emissions (lb/month) [1]					
	NOx [2]	CO	VOC	SOx	$PM_{10}/PM_{2.5}$	NH_3 [3]
CTG 1 & Duct Burner	1,146	431	247	45	968	1,464
CTG 2 & Duct Burner	375	114	83	15	322	487
Monthly Emission Limits [4]	N/A	7,633	3,236	227	4,876	N/A
Exceeds Limit?	N/A	No	No	No	No	N/A

[1] Unless otherwise noted, monthly emissions data obtained from 'U1/U2_MonthlySummary_MassEmissionsAndFuel' RegPerfect Report.

[2] Monthly NOx emissions are as submitted to SCAQMD, based on the 'U1_U2MonthlyRECLAIMNOxSummaryByDay' RegPerfect Report.

[3] Monthly NH_3 emissions are calculated using monthly fuel usage and default emission factors from the SCAQMD's AER AB 2588 Quadrennial Air Toxics Emission Inventory Procedures - June 2020. The emission factors are 9.1 lbs/MMscf and 18.0 lbs/MMscf for the CTGs and Duct Burners, respectively.

[4] Monthly emission limits are per COC AQ-5.

Table 8. Monthly Emissions - May 2024

Source	Monthly Emissions (lb/month) [1]					
	NOx [2]	CO	VOC	SOx	$PM_{10}/PM_{2.5}$	NH_3 [3]
CTG 1 & Duct Burner	496	166	110	20	430	651
CTG 2 & Duct Burner	777	279	165	30	646	977
Monthly Emission Limits [4]	N/A	7,633	3,236	227	4,876	N/A
Exceeds Limit?	N/A	No	No	No	No	N/A

[1] Unless otherwise noted, monthly emissions data obtained from 'U1/U2_MonthlySummary_MassEmissionsAndFuel' RegPerfect Report.

[2] Monthly NOx emissions are as submitted to SCAQMD, based on the 'U1_U2MonthlyRECLAIMNOxSummaryByDay' RegPerfect Report.

[3] Monthly NH_3 emissions are calculated using monthly fuel usage and default emission factors from the SCAQMD's AER AB 2588 Quadrennial Air Toxics Emission Inventory Procedures - June 2020. The emission factors are 9.1 lbs/MMscf and 18.0 lbs/MMscf for the CTGs and Duct Burners, respectively.

[4] Monthly emission limits are per COC AQ-5.

Table 9. Monthly Emissions - June 2024

Source	Monthly Emissions (lb/month) [1]					
	NOx [2]	CO	VOC	SOx	$PM_{10}/PM_{2.5}$	NH_3 [3]
CTG 1 & Duct Burner	820	354	155	28	606	917
CTG 2 & Duct Burner	570	173	126	23	492	745
Monthly Emission Limits [4]	N/A	7,633	3,236	227	4,876	N/A
Exceeds Limit?	N/A	No	No	No	No	N/A

[1] Unless otherwise noted, monthly emissions data obtained from 'U1/U2_MonthlySummary_MassEmissionsAndFuel' RegPerfect Report.

[2] Monthly NOx emissions are as submitted to SCAQMD, based on the 'U1_U2MonthlyRECLAIMNOxSummaryByDay' RegPerfect Report.

[3] Monthly NH_3 emissions are calculated using monthly fuel usage and default emission factors from the SCAQMD's AER AB 2588 Quadrennial Air Toxics Emission Inventory Procedures - June 2020. The emission factors are 9.1 lbs/MMscf and 18.0 lbs/MMscf for the CTGs and Duct Burners, respectively.

[4] Monthly emission limits are per COC AQ-5.

Malburg Generating Station
Quarterly Compliance Report
Appendix A, Table 10

Reporting Period: **Quarter 2 2024**

Methodology

Emissions (lb/month) = Fuel Usage (gal/month) / 1,000 (gal/Mgal) x Emission Factor (lb/Mgal)

Emission Factors

Pollutant	Emission Factor (lb/Mgal)	Reference
NOx	469	Emission factor provided in the facility's Title V Permit.
CO	13.62	Emission factor converted from the factor provided in the facility's Title V Permit (0.4 g/bhp-hr), based on the unit's power rating (173 hp) and maximum fuel throughput (11.2 gal/hr).
VOC	3.41	Emission factor converted from the factor provided in the facility's Title V Permit (0.1 g/bhp-hr), based on the unit's power rating (173 hp) and maximum fuel throughput (11.2 gal/hr).
SOx	0.21	Default for Diesel/Distillate Oil, ICEs given in the SCAQMD's Combustion Default Emission Factors - January 2022.
$PM_{10}/PM_{2.5}$	3.065	Emission factor converted from the factor provided in the facility's Title V Permit (0.09 g/bhp-hr), based on the unit's power rating (173 hp) and maximum fuel throughput (11.2 gal/hr).
NH_3	0.80	Default for diesel combustion equipment without an SNCR or SCR given in the SCAQMD's AER AB 2588 Quadrennial Air Toxics Emission Inventory Reporting Procedures - June 2020.

Table 10. Monthly Diesel Fire Pump Hours of Operation, Fuel Usage, and Emissions

Month	Monthly Hours of Operation [1]			Fuel Usage (gal/month) [2]	Monthly Emissions (lb/month)					
	Maintenance	Testing	Emergency		NOx	CO	VOC	SOx	$PM_{10}/PM_{2.5}$	NH_3
January	0.0	2.0	0.0	22.4	10.5	0.31	0.08	0.00	0.07	0.02
February	0.0	1.5	0.0	16.8	7.9	0.23	0.06	0.00	0.05	0.01
March	0.0	2.6	0.0	29.1	13.7	0.40	0.10	0.01	0.09	0.02
April	0.0	2.6	0.0	29.1	13.7	0.40	0.10	0.01	0.09	0.02
May	0.0	1.7	0.0	19.0	8.9	0.26	0.06	0.00	0.06	0.02
June	0.0	2.0	0.0	22.4	10.5	0.31	0.08	0.00	0.07	0.02
Q2 Total	**0.0**	**6.3**	**0.0**	**70.6**	**33.1**	**0.96**	**0.24**	**0.01**	**0.22**	**0.06**
Annual Limit for Maintenance and Testing [3]			50							
Total Annual Limit [3]			200							
Exceeds Limits?			No							

[1] Monthly hours of operation calculated from Device 385/403 run timer readings.

[2] Fuel usage (gal/month) calculated by multiplying the hours of operation by the unit's maximum fuel throughput (11.2 gal/hour).

[3] Annual limits for hours of operation are per Condition of Certification (COC) AQ-15.

Appendix B
Cooling Tower Blowdown Reports

POSITIVE
LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

April 11, 2024

Matt Richards
City of Vernon
4963 Soto St.
Vernon, CA 90058

Report No.: 2404016
Project Name: Malburg Generating Station Weekly

Dear Matt Richards,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on April 02, 2024.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.

Project Manager

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

Attn: Matt Richards Phone: (323) 476-3626 FAX:(323) 476-3640

File #:74548
Report Date: 04/11/24
Submitted: 04/02/24
PLS Report No.: 2404016

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2404016-01) Sampled: 04/02/24 08:25 Received: 04/02/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**4210**		1	mg/L	5.0	- SM 2540C	04/04/24	04/05/24	ss	BD41103

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BD41103 - -										
Blank	**Prepared: 04/04/24 Analyzed: 04/05/24**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared: 04/04/24 Analyzed: 04/05/24**									
Total Dissolved Solids	53.0	5.0	mg/L	50.00		106	80-120			
Duplicate **Source: 2404028-02**	**Prepared: 04/04/24 Analyzed: 04/05/24**									
Total Dissolved Solids	20.0	5.0	mg/L		20.0			0.00	5	

Notes and Definitions

NA	Not Applicable
ND	Analyte NOT DETECTED at or above the reported limit(s)
NR	Not Reported
MDL	Method Detection Limit
PQL	Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Rick Owen Parker

Authorized Signature(s)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

DATE: 4.22.24 PAGE: 1 OF 1

FILE NO.: LAB NO.: 2404016

CLIENT NAME: CITY OF VERNON PROJECT NAME/NO. MALBURG GENERATING STATION WEEKLY P.O.NO. AIRBILL NO:

ADDRESS: 4963 SOTO ST. VERNON CA 90058 ANALYSES REQUESTED OBSERVED TEMP 0.6°C

PROJECT MANAGER MATT RICHARDS PHONE NO: FAX NO: CORRECTED TEMP: 1.6°C

SAMPLER NAME: JOHN BARIE SIGNATURE: THERMO ID:

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal

CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: --- --- --- --- --- --- --- --- --- --- ---

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		TDS								SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	4.22.24	0825	COOLING TOWER BLOWDOWN	X				N	1	P	X								

Relinquished by (Signature& Name): NA

Received by (Signature & Name): Jon Barie

Date: 4.22.24 Time: 0825

Relinquished by (Signature& Name):

Received by (Signature & Name):

Date: Time:

Relinquished by (Signature& Name):

Received by (Signature & Name):

Date: Time:

SAMPLE DISPOSITION

1. Samples returned to client? Yes No
2. Samples will not be stored over 30 days, unless additional storage time is requested
3. Storage time requested: _____days,

By: _____ Date: _____

SPECIAL INSTRUCTION:

PRESERVATIVE 1-HNO3 2-H2SO4 3-HCL 4- ZINC ACETATE 5-NaOH 6-NH4 BUFFER 7- OTHER

Arrived at the lab 4.22.24 4.22.24 1045

POSITIVE
LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

April 18, 2024

Matt Richards
City of Vernon
4963 Soto St.
Vernon, CA 90058

Report No.: 2404062
Project Name: Malburg Generating Station Weekly

Dear Matt Richards,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on April 08, 2024.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.

Project Manager

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

Attn: Matt Richards Phone: (323) 476-3626 FAX:(323) 476-3640

File #:74548
Report Date: 04/18/24
Submitted: 04/08/24
PLS Report No.: 2404062

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2404062-01) Sampled: 04/08/24 08:30 Received: 04/08/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**4240**		1	mg/L	5.0	SM 2540C	04/11/24	04/12/24	ss	BD41810

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BD41810 - -										
Blank	**Prepared: 04/11/24 Analyzed: 04/12/24**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared: 04/11/24 Analyzed: 04/12/24**									
Total Dissolved Solids	52.0	5.0	mg/L	50.00		104	80-120			
Duplicate **Source: 2404076-02**	**Prepared: 04/11/24 Analyzed: 04/12/24**									
Total Dissolved Solids	753	5.0	mg/L		755			0.265	5	

Notes and Definitions

NA	Not Applicable
ND	Analyte NOT DETECTED at or above the reported limit(s)
NR	Not Reported
MDL	Method Detection Limit
PQL	Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Rick Owen Parlier

Authorized Signature(s)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

POSITIVE LAB SERVICE
781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

DATE: 4.8.24 PAGE: 1 OF 1

FILE NO.: LAB NO.: 2404062

CLIENT NAME: CITY OF VERNON PROJECT NAME/NO. MALBURG GENERATING STATION WEEKLY P.O.NO. AIRBILL NO:

ADDRESS: 4963 SOTO ST. VERNON CA 90058

PROJECT MANAGER MATT RICHARDS PHONE NO: FAX NO:

SAMPLER NAME: JOHN BARIE SIGNATURE:

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal

CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: --- --- --- --- --- --- --- --- --- ---

OBSERVED TEMP 0.4°C

CORRECTED TEMP: 1.4°C

THERMO ID: 66

ANALYSES REQUESTED

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		TDS	SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE		
	4.8.24	0830	COOLING TOWER BLOWDOWN	X				N	1	P	X	

Relinquished by (Signature& Name): MA Received by (Signature & Name): John Barie Date: 4.8.24 Time: 0830

Relinquished by (Signature& Name): Received by (Signature & Name): Date: Time:

Relinquished by (Signature& Name): Received by (Signature & Name): Date: Time:

SAMPLE DISPOSITION

1. Samples returned to client? Yes No
2. Samples will not be stored over 30 days, unless additional storage time is requested
3. Storage time requested: _____days,

By: _____ Date: _____

SPECIAL INSTRUCTION:

PRESERVATIVE 1-HNO3 2-H2SO4 3-HCL 4- ZINC ACETATE 5-NaOH 6-NH4 BUFFER 7- OTHER

Arrived at the lab 4.8.24 0945

POSITIVE
LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

April 26, 2024

Matt Richards
City of Vernon
4963 Soto St.
Vernon, CA 90058

Report No.: 2404106
Project Name: Malburg Generating Station Weekly

Dear Matt Richards,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on April 15, 2024.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.

Project Manager

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

Attn: Matt Richards Phone: (323) 476-3626 FAX:(323) 476-3640

File #:74548
Report Date: 04/26/24
Submitted: 04/15/24
PLS Report No.: 2404106

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2404106-01) Sampled: 04/15/24 07:55 Received: 04/15/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**4360**		1	mg/L	5.0	SM 2540C	04/22/24	04/22/24	ss	BD42606

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BD42606 - -										
Blank	**Prepared & Analyzed: 04/22/24**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared & Analyzed: 04/22/24**									
Total Dissolved Solids	49.0	5.0	mg/L	50.00		98.0	80-120			
Duplicate **Source: 2404106-01**	**Prepared & Analyzed: 04/22/24**									
Total Dissolved Solids	4360	5.0	mg/L		4360			0.115	5	

Notes and Definitions

NA	Not Applicable
ND	Analyte NOT DETECTED at or above the reported limit(s)
NR	Not Reported
MDL	Method Detection Limit
PQL	Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Rick Owen Parker

Authorized Signature(s)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

POSITIVE LAB SERVICE
781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

DATE: 4-15-24 PAGE: 1 OF 1

FILE NO.: LAB NO.: 2404106

CLIENT NAME: CITY OF VERNON PROJECT NAME/NO. MALBURG GENERATING STATION WEEKLY P.O.NO. AIRBILL NO:

ADDRESS: 4963 SOTO ST. VERNON CA 90058

PROJECT MANAGER MATT RICHARDS PHONE NO: FAX NO:

SAMPLER NAME: JOHN BARIE SIGNATURE:

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal

CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: --- --- --- --- --- --- --- --- --- ---

ANALYSES REQUESTED

OBSERVED TEMP 0.4°C

CORRECTED TEMP: 1.4°C

THERMO ID: 61

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		TDS	SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE		
	4-15-24	0755	COOLING TOWER BLOWDOWN	X				N	1	P	X	

Relinquished by (Signature& Name):	Received by (Signature & Name):	Date:	Time:
NA	[illegible]	4/15/24	0755
Relinquished by (Signature& Name):	Received by (Signature & Name):	Date:	Time:
Relinquished by (Signature& Name):	Received by (Signature & Name):	Date:	Time:

SAMPLE DISPOSITION

1. Samples returned to client? Yes No
2. Samples will not be stored over 30 days, unless additional storage time is requested
3. Storage time requested: _____days,

By: _____ Date: _____

SPECIAL INSTRUCTION:

PRESERVATIVE 1-HNO3 2-H2SO4 3-HCL 4- ZINC ACETATE 5-NaOH 6-NH4 BUFFER 7- OTHER

Arrived at the lab 4-15-24 10:10

POSITIVE
LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

May 03, 2024

Matt Richards
City of Vernon
4963 Soto St.
Vernon, CA 90058

Report No.: 2404171
Project Name: Malburg Generating Station Weekly

Dear Matt Richards,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on April 24, 2024.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.

Project Manager

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

Attn: Matt Richards Phone: (323) 476-3626 FAX:(323) 476-3640

File #:74548
Report Date: 05/03/24
Submitted: 04/24/24
PLS Report No.: 2404171

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2404171-01) Sampled: 04/24/24 07:30 Received: 04/24/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**4780**		1	mg/L	5.0	SM 2540C	05/01/24	05/02/24	ss	BE40222

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BE40222 - -										
Blank	**Prepared: 05/01/24 Analyzed: 05/02/24**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared: 05/01/24 Analyzed: 05/02/24**									
Total Dissolved Solids	58.0	5.0	mg/L	50.00		116	80-120			
Duplicate **Source: 2404200-01**	**Prepared: 05/01/24 Analyzed: 05/02/24**									
Total Dissolved Solids	4480	5.0	mg/L		4490			0.223	5	

Notes and Definitions

NA	Not Applicable
ND	Analyte NOT DETECTED at or above the reported limit(s)
NR	Not Reported
MDL	Method Detection Limit
PQL	Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Rick Owen Parlier

Authorized Signature(s)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

POSITIVE LAB SERVICE
781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

DATE: 4.24.24 PAGE: 1 OF

FILE NO.: LAB NO.: 2404171

CLIENT NAME: CITY OF VERNON | PROJECT NAME/NO. MALBURG GENERATING STATION WEEKLY | P.O.NO. | AIRBILL NO:

ADDRESS: 4963 SOTO ST. VERNON CA 90058 | ANALYSES REQUESTED | OBSERVED TEMP 64°F

PROJECT MANAGER MATT RICHARDS | PHONE NO: | FAX NO: | CORRECTED TEMP: 2-5°C

SAMPLER NAME: JOHN BARIE | SIGNATURE: | THERMO ID: CC

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal

CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: --- --- --- --- --- --- --- --- --- ---

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		TDS								SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	4.24.24	0730	COOLING TOWER BLOWDOWN	X				N	1	P	X								

Relinquished by (Signature& Name): MA | Received by (Signature & Name): For John Barie | Date: 4.24.24 | Time: 0730

Relinquished by (Signature& Name): | Received by (Signature & Name): | Date: | Time:

Relinquished by (Signature& Name): | Received by (Signature & Name): | Date: | Time:

SAMPLE DISPOSITION

1. Samples returned to client? Yes No
2. Samples will not be stored over 30 days, unless additional storage time is requested
3. Storage time requested: _____ days,

By: _____ Date: _____

SPECIAL INSTRUCTION:

PRESERVATIVE 1-HNO3 2-H2SO4 3-HCL 4- ZINC ACETATE 5-NaOH 6-NH4 BUFFER 7- OTHER

Arrived at the lab 4.24.24 0730

POSITIVE
LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

May 03, 2024

Matt Richards
City of Vernon
4963 Soto St.
Vernon, CA 90058

Report No.: 2404200
Project Name: Malburg Generating Station Weekly

Dear Matt Richards,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on April 29, 2024.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.

Project Manager

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

Attn: Matt Richards Phone: (323) 476-3626 FAX:(323) 476-3640

File #:74548
Report Date: 05/03/24
Submitted: 04/29/24
PLS Report No.: 2404200

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2404200-01) Sampled: 04/29/24 08:05 Received: 04/29/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**4490**		1	mg/L	5.0	SM 2540C	05/01/24	05/02/24	ss	BE40222

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BE40222 - -										
Blank	**Prepared: 05/01/24 Analyzed: 05/02/24**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared: 05/01/24 Analyzed: 05/02/24**									
Total Dissolved Solids	58.0	5.0	mg/L	50.00		116	80-120			
Duplicate **Source: 2404200-01**	**Prepared: 05/01/24 Analyzed: 05/02/24**									
Total Dissolved Solids	4480	5.0	mg/L		4490			0.223	5	

Notes and Definitions

NA	Not Applicable
ND	Analyte NOT DETECTED at or above the reported limit(s)
NR	Not Reported
MDL	Method Detection Limit
PQL	Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Rick Owen Parker

Authorized Signature(s)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

POSITIVE LAB SERVICE
781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

DATE: 4-29-24 PAGE: 1 OF ____

FILE NO.: ____ LAB NO.: 2404200

CLIENT NAME: CITY OF VERNON | PROJECT NAME/NO. MALBURG GENERATING STATION WEEKLY | P.O.NO. | AIRBILL NO:

ADDRESS: 4963 SOTO ST. VERNON CA 90058 | OBSERVED TEMP 0.7°C

PROJECT MANAGER MATT RICHARDS | PHONE NO: | FAX NO: | CORRECTED TEMP: 1.7°C

SAMPLER NAME: JOHN BARIE | SIGNATURE: | THERMO ID: 66

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal

CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: --- --- --- --- --- --- --- --- --- ---

ANALYSES REQUESTED

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX: WATER	SOIL	SLUDGE	OTHER	TAT	CONTAINER: #	TYPE	TDS	SAMPLE CONDITIONS/ CONTAINER/COMMENTS
	4-29-24	0805	COOLING TOWER BLOWDOWN	X				N	1	P	X	

Relinquished by (Signature& Name): NA | Received by (Signature & Name): John Barie | Date: 4-29-24 | Time: 0805

Relinquished by (Signature& Name): | Received by (Signature & Name): | Date: | Time:

Relinquished by (Signature& Name): | Received by (Signature & Name): | Date: | Time:

SAMPLE DISPOSITION

1. Samples returned to client? Yes No
2. Samples will not be stored over 30 days, unless additional storage time is requested
3. Storage time requested: _____days,

By: _____ Date: _____

SPECIAL INSTRUCTION:

PRESERVATIVE 1-HNO3 2-H2SO4 3-HCL 4- ZINC ACETATE 5-NaOH 6-NH4 BUFFER 7- OTHER

Arrived at the lab 4-29-24 0845

POSITIVE
LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

May 13, 2024

Matt Richards
City of Vernon
4963 Soto St.
Vernon, CA 90058

Report No.: 2405048
Project Name: Malburg Generating Station Weekly

Dear Matt Richards,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on May 07, 2024.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.

Project Manager

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

Attn: Matt Richards Phone: (323) 476-3626 FAX:(323) 476-3640

File #:74548
Report Date: 05/13/24
Submitted: 05/07/24
PLS Report No.: 2405048

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2405048-01) Sampled: 05/07/24 08:05 Received: 05/07/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**4110**		1	mg/L	5.0	- SM 2540C	05/09/24	05/09/24	ss	BE41023

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BE41023 - -										
Blank	**Prepared & Analyzed: 05/09/24**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared & Analyzed: 05/09/24**									
Total Dissolved Solids	58.0	5.0	mg/L	50.00		116	80-120			
Duplicate **Source: 2405048-01**	**Prepared & Analyzed: 05/09/24**									
Total Dissolved Solids	4130	5.0	mg/L		4110			0.405	5	

Notes and Definitions

NA	Not Applicable
ND	Analyte NOT DETECTED at or above the reported limit(s)
NR	Not Reported
MDL	Method Detection Limit
PQL	Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Rick Owen Parker

Authorized Signature(s)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

POSITIVE LAB SERVICE
781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

DATE: 5-7-24 PAGE: 1 OF 1

FILE NO.: LAB NO.: 2405048

CLIENT NAME: CITY OF VERNON | PROJECT NAME/NO. MALBURG GENERATING STATION WEEKLY | P.O.NO. | AIRBILL NO:

ADDRESS: 4963 SOTO ST. VERNON CA 90058 | ANALYSES REQUESTED | OBSERVED TEMP 1.1°C

PROJECT MANAGER MATT RICHARDS | PHONE NO: | FAX NO: | CORRECTED TEMP: 2.1°C

SAMPLER NAME: JOHN BARIE | SIGNATURE: | THERMO ID: 66

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal

CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: --- --- --- --- --- --- --- --- --- ---

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		TDS								SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	5-7-24	0805	COOLING TOWER BLOWDOWN	X				N	1	P	X								

Relinquished by (Signature& Name): MA | Received by (Signature & Name): for John Barie | Date: 5-7-24 | Time: 0805

Relinquished by (Signature& Name): | Received by (Signature & Name): | Date: | Time:

Relinquished by (Signature& Name): | Received by (Signature & Name): | Date: | Time:

SAMPLE DISPOSITION

1. Samples returned to client? Yes No
2. Samples will not be stored over 30 days, unless additional storage time is requested
3. Storage time requested: _____days,

By: _____ Date: _____

SPECIAL INSTRUCTION:

PRESERVATIVE 1-HNO3 2-H2SO4 3-HCL 4- ZINC ACETATE 5-NaOH 6-NH4 BUFFER 7- OTHER

Arrived at the lab 5-7-24 1050

POSITIVE
LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

May 28, 2024

Matt Richards
City of Vernon
4963 Soto St.
Vernon, CA 90058

Report No.: 2405158
Project Name: Malburg Generating Station Weekly

Dear Matt Richards,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on May 21, 2024.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.

Project Manager

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

Attn: Matt Richards Phone: (323) 476-3626 FAX:(323) 476-3640

File #:74548
Report Date: 05/28/24
Submitted: 05/21/24
PLS Report No.: 2405158

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2405158-01) Sampled: 05/21/24 07:55 Received: 05/21/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**3860**		1	mg/L	5.0	- SM 2540C	05/23/24	05/24/24	ss	BE42414

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BE42414 - -										
Blank	**Prepared: 05/23/24 Analyzed: 05/24/24**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared: 05/23/24 Analyzed: 05/24/24**									
Total Dissolved Solids	52.0	5.0	mg/L	50.00		104	80-120			
Duplicate **Source: 2405158-01**	**Prepared: 05/23/24 Analyzed: 05/24/24**									
Total Dissolved Solids	3850	5.0	mg/L		3860			0.302	5	

Notes and Definitions

NA	Not Applicable
ND	Analyte NOT DETECTED at or above the reported limit(s)
NR	Not Reported
MDL	Method Detection Limit
PQL	Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Rik Owen Parker

Authorized Signature(s)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

POSITIVE LAB SERVICE
781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

DATE: 5.21.24 PAGE: 1 OF ____

FILE NO.: ____ LAB NO.: 2405158

CLIENT NAME: CITY OF VERNON | PROJECT NAME/NO.: MALBURG GENERATING STATION WEEKLY | P.O.NO.: | AIRBILL NO:

ADDRESS: 4963 SOTO ST. VERNON CA 90058 | ANALYSES REQUESTED | OBSERVED TEMP 0.4°C

PROJECT MANAGER: MATT RICHARDS | PHONE NO: | FAX NO: | CORRECTED TEMP: 1.4°C

SAMPLER NAME: JOHN BARIE | SIGNATURE: | THERMO ID: 66

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal

CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: --- --- --- --- --- --- --- --- --- ---

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX: WATER	SOIL	SLUDGE	OTHER	TAT	CONTAINER: #	TYPE	TDS	SAMPLE CONDITIONS/ CONTAINER/COMMENTS
	5.21.24	0755	COOLING TOWER BLOWDOWN	X				N	1	P	X	

Relinquished by (Signature& Name):	Received by (Signature & Name):	Date:	Time:
MA	[signature]	5.21.24	0755

SAMPLE DISPOSITION

1. Samples returned to client? Yes No
2. Samples will not be stored over 30 days, unless additional storage time is requested
3. Storage time requested: _____ days,

By: _____ Date: _____

SPECIAL INSTRUCTION:

PRESERVATIVE 1-HNO3 2-H2SO4 3-HCL 4- ZINC ACETATE 5-NaOH 6-NH4 BUFFER 7- OTHER

Arrived at the lab 5.21.24 0935

POSITIVE
LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

June 03, 2024

Matt Richards
City of Vernon
4963 Soto St.
Vernon, CA 90058

Report No.: 2405217
Project Name: Malburg Generating Station Weekly

Dear Matt Richards,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on May 28, 2024.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.

Project Manager

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

Attn: Matt Richards Phone: (323) 476-3626 FAX:(323) 476-3640

File #:74548
Report Date: 06/03/24
Submitted: 05/28/24
PLS Report No.: 2405217

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2405217-01) Sampled: 05/28/24 08:00 Received: 05/28/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**3700**		1	mg/L	5.0	- SM 2540C	05/30/24	05/31/24	ss	BE43115

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BE43115 - -										
Blank	**Prepared: 05/30/24 Analyzed: 05/31/24**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared: 05/30/24 Analyzed: 05/31/24**									
Total Dissolved Solids	46.0	5.0	mg/L	50.00		92.0	80-120			
Duplicate **Source: 2405217-01**	**Prepared: 05/30/24 Analyzed: 05/31/24**									
Total Dissolved Solids	3710	5.0	mg/L		3700			0.162	5	

Notes and Definitions

NA	Not Applicable
ND	Analyte NOT DETECTED at or above the reported limit(s)
NR	Not Reported
MDL	Method Detection Limit
PQL	Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Rick Owen Parkin

Authorized Signature(s)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

POSITIVE LAB SERVICE
781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

DATE: 5-28-24 PAGE: 1 OF 1

FILE NO.: LAB NO.: 2405217

CLIENT NAME: CITY OF VERNON PROJECT NAME/NO. MALBURG GENERATING STATION WEEKLY P.O.NO. AIRBILL NO:

ADDRESS: 4963 SOTO ST. VERNON CA 90058 ANALYSES REQUESTED OBSERVED TEMP 0.1°C

PROJECT MANAGER MATT RICHARDS PHONE NO: FAX NO: CORRECTED TEMP: 1.1°C

SAMPLER NAME: JOHN BARIE SIGNATURE: THERMO ID: 61

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal

CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: --- --- --- --- --- --- --- --- --- --- ---

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		TDS								SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	5-28-24	0800	COOLING TOWER BLOWDOWN	X				N	1	P	X								

Relinquished by (Signature& Name): NA

Received by (Signature & Name): Jr John Barie

Date: 5-28-24 Time: 0800

Relinquished by (Signature& Name):

Received by (Signature & Name):

Date: Time:

Relinquished by (Signature& Name):

Received by (Signature & Name):

Date: Time:

SAMPLE DISPOSITION

1. Samples returned to client? Yes No
2. Samples will not be stored over 30 days, unless additional storage time is requested
3. Storage time requested: _____ days,

By: _____ Date: _____

SPECIAL INSTRUCTION:

PRESERVATIVE 1-HNO3 2-H2SO4 3-HCL 4- ZINC ACETATE 5-NaOH 6-NH4 BUFFER 7- OTHER

Arrived at the lab 5-28-24 1100

POSITIVE
LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

June 07, 2024

Matt Richards
City of Vernon
4963 Soto St.
Vernon, CA 90058

Report No.: 2406010
Project Name: Malburg Generating Station Weekly

Dear Matt Richards,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on June 04, 2024.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.

Project Manager

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

Attn: Matt Richards Phone: (323) 476-3626 FAX:(323) 476-3640

File #:74548
Report Date: 06/07/24
Submitted: 06/04/24
PLS Report No.: 2406010

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2406010-01) Sampled: 06/04/24 08:15 Received: 06/04/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**4300**		1	mg/L	5.0	SM 2540C	06/05/24	06/06/24	ss	BF40624

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BF40624 - -										
Blank	**Prepared: 06/05/24 Analyzed: 06/06/24**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared: 06/05/24 Analyzed: 06/06/24**									
Total Dissolved Solids	51.0	5.0	mg/L	50.00		102	80-120			
Duplicate **Source: 2406015-01**	**Prepared: 06/05/24 Analyzed: 06/06/24**									
Total Dissolved Solids	2510	5.0	mg/L		2520			0.265	5	

Notes and Definitions

NA	Not Applicable
ND	Analyte NOT DETECTED at or above the reported limit(s)
NR	Not Reported
MDL	Method Detection Limit
PQL	Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Rick Owen Parker

Authorized Signature(s)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

POSITIVE LAB SERVICE
781 East Washington Blvd., Los Angeles, CA 90021
[213] 745-5312 FAX [213] 745-6372

DATE: 6.4.24 PAGE: 1 OF ____

FILE NO.: ____ LAB NO.: 2406010

CLIENT NAME: CITY OF VERNON | PROJECT NAME/NO. MALBURG GENERATING STATION WEEKLY | P.O.NO. | AIRBILL NO:

ADDRESS: 4963 SOTO ST. VERNON CA 90058 | ANALYSES REQUESTED | OBSERVED TEMP 0.3°C

PROJECT MANAGER MATT RICHARDS | PHONE NO: | FAX NO: | CORRECTED TEMP: 1.3°C

SAMPLER NAME: JOHN BARIE | SIGNATURE: | THERMO ID: 66

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal

CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: --- --- --- --- --- --- --- --- --- ---

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		TDS								SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	6.4.24	0815	COOLING TOWER BLOWDOWN	X				N	1	P	X								

Relinquished by (Signature& Name): MA | Received by (Signature & Name): John Barie | Date: 6.4.24 | Time: 0815

Relinquished by (Signature& Name): | Received by (Signature & Name): | Date: | Time:

Relinquished by (Signature& Name): | Received by (Signature & Name): | Date: | Time:

SAMPLE DISPOSITION

1. Samples returned to client? Yes No
2. Samples will not be stored over 30 days, unless additional storage time is requested
3. Storage time requested: _____days,

By: _____ Date: _____

SPECIAL INSTRUCTION:

PRESERVATIVE 1-HNO3 2-H2SO4 3-HCL 4- ZINC ACETATE 5-NaOH 6-NH4 BUFFER 7- OTHER

Arrived at the lab 6.4.24 1020

POSITIVE
LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

June 14, 2024

Matt Richards
City of Vernon
4963 Soto St.
Vernon, CA 90058

Report No.: 2406056
Project Name: Malburg Generating Station Weekly

Dear Matt Richards,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on June 10, 2024.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.

Project Manager

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

Attn: Matt Richards Phone: (323) 476-3626 FAX:(323) 476-3640

File #:74548
Report Date: 06/14/24
Submitted: 06/10/24
PLS Report No.: 2406056

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2406056-01) Sampled: 06/10/24 07:25 Received: 06/10/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**5950**		1	mg/L	5.0	- SM 2540C	06/12/24	06/13/24	ss	BF41406

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BF41406 - -										
Blank	**Prepared: 06/12/24 Analyzed: 06/13/24**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared: 06/12/24 Analyzed: 06/13/24**									
Total Dissolved Solids	59.0	5.0	mg/L	50.00		118	80-120			
Duplicate **Source: 2406057-01**	**Prepared: 06/12/24 Analyzed: 06/13/24**									
Total Dissolved Solids	1640	5.0	mg/L		1660			0.910	5	

Notes and Definitions

NA	Not Applicable
ND	Analyte NOT DETECTED at or above the reported limit(s)
NR	Not Reported
MDL	Method Detection Limit
PQL	Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Rick Owen Parker

Authorized Signature(s)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

POSITIVE LAB SERVICE
781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

DATE: 6/7/24 PAGE: 1 OF 1

FILE NO.: LAB NO.: 2406056

CLIENT NAME: CITY OF VERNON PROJECT NAME/NO. MALBURG GENERATING STATION WEEKLY P.O.NO. AIRBILL NO:

ADDRESS: 4963 SOTO ST. VERNON CA 90058 ANALYSES REQUESTED OBSERVED TEMP: 0.2°C

PROJECT MANAGER MATT RICHARDS PHONE NO: FAX NO: CORRECTED TEMP: 1.2°C

SAMPLER NAME: JOHN BARIE SIGNATURE: THERMO ID: 66

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal

CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: --- --- --- --- --- --- --- --- --- ---

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		TDS								SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	6/7/24	0725	COOLING TOWER BLOWDOWN	X				N	1	P	X								

Relinquished by (Signature& Name): MA

Received by (Signature & Name): for John Barie

Date: 6/7/24 Time: 0725

Relinquished by (Signature& Name):

Received by (Signature & Name):

Date: Time:

Relinquished by (Signature& Name):

Received by (Signature & Name):

Date: Time:

SAMPLE DISPOSITION

1. Samples returned to client? Yes No
2. Samples will not be stored over 30 days, unless additional storage time is requested
3. Storage time requested: _____days,

By: _____ Date: _____

SPECIAL INSTRUCTION:

PRESERVATIVE 1-HNO3 2-H2SO4 3-HCL 4- ZINC ACETATE 5-NaOH 6-NH4 BUFFER 7- OTHER

Arrived at the lab 6/7/24 0930

POSITIVE
LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

June 25, 2024

Matt Richards
City of Vernon
4963 Soto St.
Vernon, CA 90058

Report No.: 2406109
Project Name: Malburg Generating Station Weekly

Dear Matt Richards,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on June 18, 2024.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.

Project Manager

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

Attn: Matt Richards Phone: (323) 476-3626 FAX:(323) 476-3640

File #:74548
Report Date: 06/25/24
Submitted: 06/18/24
PLS Report No.: 2406109

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2406109-01) Sampled: 06/18/24 07:50 Received: 06/18/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**3770**		1	mg/L	5.0	- SM 2540C	06/21/24	06/21/24	ss	BF42407

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BF42407 - -										
Blank	**Prepared & Analyzed: 06/21/24**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared & Analyzed: 06/21/24**									
Total Dissolved Solids	51.0	5.0	mg/L	50.00		102	80-120			
Duplicate **Source: 2406109-01**	**Prepared & Analyzed: 06/21/24**									
Total Dissolved Solids	3810	5.0	mg/L		3770			0.950	5	

Notes and Definitions

NA	Not Applicable
ND	Analyte NOT DETECTED at or above the reported limit(s)
NR	Not Reported
MDL	Method Detection Limit
PQL	Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Rick Owen Parker

Authorized Signature(s)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

POSITIVE LAB SERVICE
781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

DATE: 6/18/24 PAGE: 1 OF 1

FILE NO.: _____ LAB NO.: 2406109

CLIENT NAME: CITY OF VERNON | PROJECT NAME/NO. MALBURG GENERATING STATION WEEKLY | P.O.NO. | AIRBILL NO:

ADDRESS: 4963 SOTO ST. VERNON CA 90058 | ANALYSES REQUESTED | OBSERVED TEMP 0.9°C

PROJECT MANAGER MATT RICHARDS | PHONE NO: | FAX NO: | CORRECTED TEMP: 1.9°C

SAMPLER NAME: JOHN BARIE | SIGNATURE: | THERMO ID: 6k

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal

CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: --- --- --- --- --- --- --- --- --- ---

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		TDS								SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	6/18/24	0750	COOLING TOWER BLOWDOWN	X				N	1	P	X								

Relinquished by (Signature& Name): MA | Received by (Signature & Name): John Barie | Date: 6/18/24 | Time: 0750

Relinquished by (Signature& Name): | Received by (Signature & Name): | Date: | Time:

Relinquished by (Signature& Name): | Received by (Signature & Name): | Date: | Time:

SAMPLE DISPOSITION

1. Samples returned to client? Yes No
2. Samples will not be stored over 30 days, unless additional storage time is requested
3. Storage time requested: _____ days,

By: _____ Date: _____

SPECIAL INSTRUCTION:

PRESERVATIVE 1-HNO3 2-H2SO4 3-HCL 4- ZINC ACETATE 5-NaOH 6-NH4 BUFFER 7- OTHER

Arrived at the lab 6/18/24 1016

POSITIVE
LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

June 28, 2024

Matt Richards
City of Vernon
4963 Soto St.
Vernon, CA 90058

Report No.: 2406151
Project Name: Malburg Generating Station Weekly

Dear Matt Richards,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on June 25, 2024.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.

Project Manager

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

Attn: Matt Richards Phone: (323) 476-3626 FAX:(323) 476-3640

File #:74548
Report Date: 06/28/24
Submitted: 06/25/24
PLS Report No.: 2406151

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2406151-01) Sampled: 06/25/24 07:15 Received: 06/25/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**4070**		1	mg/L	5.0	- SM 2540C	06/25/24	06/26/24	ss	BF42624

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BF42624 - -										
Blank	**Prepared: 06/25/24 Analyzed: 06/26/24**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared: 06/25/24 Analyzed: 06/26/24**									
Total Dissolved Solids	54.0	5.0	mg/L	50.00		108	80-120			
Duplicate **Source: 2406151-01**	**Prepared: 06/25/24 Analyzed: 06/26/24**									
Total Dissolved Solids	4070	5.0	mg/L		4070			0.0821	5	

Notes and Definitions

NA	Not Applicable
ND	Analyte NOT DETECTED at or above the reported limit(s)
NR	Not Reported
MDL	Method Detection Limit
PQL	Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Rick Owen Parker

Authorized Signature(s)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

POSITIVE LAB SERVICE
781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

DATE: 6.25.24 PAGE: 1 OF 1

FILE NO.: LAB NO.: 2406151

CLIENT NAME: CITY OF VERNON PROJECT NAME/NO. MALBURG GENERATING STATION WEEKLY P.O.NO. AIRBILL NO:

ADDRESS: 4963 SOTO ST. VERNON CA 90058

PROJECT MANAGER MATT RICHARDS PHONE NO: FAX NO:

SAMPLER NAME: JOHN BARIE SIGNATURE:

OBSERVED TEMP 0.1 °C

CORRECTED TEMP: 1.1 °C

THERMO ID: 66

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal

CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: --- --- --- --- --- --- --- --- --- ---

ANALYSES REQUESTED

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX: WATER	SOIL	SLUDGE	OTHER	TAT	CONTAINER #	CONTAINER TYPE	TDS	SAMPLE CONDITIONS/ CONTAINER/COMMENTS
	6.25.24	0715	COOLING TOWER BLOWDOWN	X				N	1	P	X	

Relinquished by (Signature& Name): MA

Received by (Signature & Name): Luis Jon Barie

Date: 6.25.24 Time: 0715

Relinquished by (Signature& Name):

Received by (Signature & Name):

Date: Time:

Relinquished by (Signature& Name):

Received by (Signature & Name):

Date: Time:

SAMPLE DISPOSITION

1. Samples returned to client? Yes No
2. Samples will not be stored over 30 days, unless additional storage time is requested
3. Storage time requested: _____days,

By: _____ Date: _____

SPECIAL INSTRUCTION:

PRESERVATIVE 1-HNO3 2-H2SO4 3-HCL 4- ZINC ACETATE 5-NaOH 6-NH4 BUFFER 7- OTHER

Arrived at the lab 6.25.24 1045

POSITIVE
LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

July 10, 2024

Matt Richards
City of Vernon
4963 Soto St.
Vernon, CA 90058

Report No.: 2407013
Project Name: Malburg Generating Station Weekly

Dear Matt Richards,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on July 02, 2024.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.

John Schmidt
Project Manager

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

Attn: Matt Richards Phone: (323) 476-3626 FAX:(323) 476-3640

File #:74548
Report Date: 07/10/24
Submitted: 07/02/24
PLS Report No.: 2407013

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2407013-01) Sampled: 07/02/24 08:00 Received: 07/02/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**4470**		1	mg/L	5.0	- SM 2540C	07/08/24	07/09/24	jks	BG40913

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BG40913 - -										
Blank	**Prepared: 07/08/24 Analyzed: 07/09/24**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared: 07/08/24 Analyzed: 07/09/24**									
Total Dissolved Solids	49.0	5.0	mg/L	50.00		98.0	80-120			
Duplicate **Source: 2407029-01**	**Prepared: 07/08/24 Analyzed: 07/09/24**									
Total Dissolved Solids	4050	5.0	mg/L		3860			4.59	5	

Notes and Definitions

NA	Not Applicable
ND	Analyte NOT DETECTED at or above the reported limit(s)
NR	Not Reported
MDL	Method Detection Limit
PQL	Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Authorized Signature(s)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

POSITIVE LAB SERVICE
781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

DATE: 7-2-24 PAGE: 1 OF ____
FILE NO.: ____ LAB NO.: 2407013

CLIENT NAME: CITY OF VERNON | PROJECT NAME/NO.: MALBURG GENERATING STATION WEEKLY | P.O.NO.: | AIRBILL NO:

ADDRESS: 4963 SOTO ST. VERNON CA 90058 | OBSERVED TEMP 0.9°C

PROJECT MANAGER: MATT RICHARDS | PHONE NO: | FAX NO: | CORRECTED TEMP: 1.9°C

SAMPLER NAME: JOHN BARIE | SIGNATURE: | THERMO ID: 66

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal

CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: --- --- --- --- --- --- --- --- --- ---

ANALYSES REQUESTED

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX: WATER	SOIL	SLUDGE	OTHER	TAT	CONTAINER: #	TYPE	TDS	SAMPLE CONDITIONS/ CONTAINER/COMMENTS
	7.2.24	0800	COOLING TOWER BLOWDOWN	X				N	1	P	X	

Relinquished by (Signature& Name):	Received by (Signature & Name):	Date:	Time:
MA	John Barie	7-2-24	0800
Relinquished by (Signature& Name):	Received by (Signature & Name):	Date:	Time:
Relinquished by (Signature& Name):	Received by (Signature & Name):	Date:	Time:

SAMPLE DISPOSITION

1. Samples returned to client? Yes No
2. Samples will not be stored over 30 days, unless additional storage time is requested
3. Storage time requested: _____days,

By: _____ Date: _____

SPECIAL INSTRUCTION:

PRESERVATIVE 1-HNO3 2-H2SO4 3-HCL 4- ZINC ACETATE 5-NaOH 6-NH4 BUFFER 7- OTHER

Arrived at the lab 7.2.24 1110

Appendix C
Operation Logs

Malburg Generating Station
Appendix C, Table 1
Combustion Turbine Generator (CTG) Startup and Shutdown Events
During Quarter 2, 2024

CTG 1

Date	Event Type [1]	Event Start	Event End	Duration (hrs:min)
4/8/2024	Cold Start	04:46	06:05	1:19
5/11/2024	Stop	08:32	08:41	0:09
6/12/2024	Cold Start	17:40	18:52	1:12
6/18/2024	Stop	09:03	09:12	0:09
6/21/2024	Cold Start	15:58	17:22	1:24
6/22/2024	Stop	23:53	00:06	0:13
6/23/2024	Warm Start	15:53	17:01	1:08

CTG 2

Date	Event Type [1]	Event Start	Event End	Duration (hrs:min)
4/8/2024	Stop	12:04	12:12	0:08
5/16/2024	Cold Start	18:03	19:26	1:23
6/12/2024	Stop	20:03	20:10	0:07

[1] A startup event is defined as initiation of combustion until the system becomes emissions compliant, for consistency with the Title V Permit definitions.

Malburg Generating Station
Appendix C, Table 2
Diesel Firewater Pump Testing Times
During Quarter 2, 2024

Date	Time (hh:mm)	Start Hours	End Hours	Event Type	Hours of Operation
4/2/2024	12:13	387.8	388.3	Testing	0.5
4/9/2024	11:20	388.3	388.8	Testing	0.5
4/16/2024	9:52	388.8	389.3	Testing	0.5
4/23/2024	13:53	389.3	389.8	Testing	0.5
4/30/2024	12:51	389.8	390.4	Testing	0.6
5/6/2024	14:37	390.4	390.9	Testing	0.5
5/21/2024	8:27	391.1	391.6	Testing[1]	0.7
5/28/2024	13:22	391.6	392.1	Testing	0.5
6/4/2024	7:32	392.1	392.6	Testing	0.5
6/11/2024	9:25	392.6	393.1	Testing	0.5
6/21/2024	7:06	393.1	393.6	Testing	0.5
6/25/2024	11:27	393.6	394.1	Testing	0.5

[1] Cosco Fire Protecton was onsite during the May outage and performed testing on the fire pumps on May 21, 2024. This caused the engine hours to increase from 390.9 to 391.1 on May 21, 2024. This 0.2 hours of operation has been added to the May 21, 2024 runtime.

Appendix D
Diesel Fuel Oil Purchase Records

SALES QUOTE

ORDER NUMBER: 2607075

DATE:3/20/2024

TERMS: N30
SALES REP: Todd Cripps
PHONE: 714-938-5714

PO#: 00240083
SHIP DATE: 12/31/5999
ROM:
SHIP VIA:
WHSE: 101

SC Commercial, LLC, DBA SC Fuels
1800 West Katella Ave., Suite 400
P.O. Box 14237, Orange, CA 92863-4159

Ph: (800) 659-5823 Credit Inquiries: (888) SCFUELS Ext. 6017

ACCT NO (Bill-to): 01-0001045

CITY OF VERNON
4305 SANTA FE AVE
ATTN: DEPARTMENT D
VERNON, CA 90058
(323) 583-8811

ACCT NO (Ship-to) **01-0001045 103L**

CITY OF VERNON-SOTO ST-L
4963 SOTO ST
VERNON, CA 90058

HM	ITEM CODE	ITEM DESCRIPTION	QTY ORDERED	QTY DEL	PACKAGE DESC	EXTENDED QTY	UNIT PRICE	EXT PRICE
	O:TODD/POC:ROB 323-583-8811 X257/HRS:8A-2P							
X	**NA1993, DIESEL FUEL, 3 PG III / CARGO TANK**							
	693D055	R99 DYED RENEWABLE CARB DIESEL MAXIMUM 15 PPM SULFUR, DIESEL FUEL #2. MEETS ALL CARB DIESEL SPECS. For use in State of California NON TAXABLE USE ONLY PENALTY FOR TAXABLE USE.	2.00		55 G DR	110.00 GALS	6.06	666.86
	Federal Lust					0.00100		0.11
						6.06340		666.97
	CH253090981D055	CH GST ADVANTAGE EP 32 250054981 REPLACES-GST 2300 ISO 32 253090981	1.00	____	55 G DR	55.00 GALS	25.24	1,388.20
	DRUMDEPOSITC001	DRUM DEPOSIT FEE	3.00	____	MISC CHRG	3.00 EACH	25.00	75.00
	/FUELCHLUBE	FUEL SURCHARGE LUBES		____				9.92
	/RCFLUBE	REG COMPLIANCE FEE LUBES		____				12.95

**Prices quoted are not firm and are subject to change based upon product availablity, quantity delivered and market fluctuations

Net Order:	2,153.04
Less Discount:	0.00
Freight:	0.00
Sales Tax:	212.99
Order Total:	2,366.03

created by:crippsto1

ver. SCF20240320

www.scfuels.com

FOR CHEMICAL EMERGENCY
Spill, Leak, Fire Exposure or Accident
CALL CHEMTREC - DAY OR NIGHT
(800) 424-9300

Appendix E
Excess Emission Report

Startup/Shutdown Excess Emissions Report

U1 CO Startup/Shutdown

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station

Generated: 07/05/2024 08:20 **Location:** Vernon, California

Tag Name: U1_CO_LbPerHr_1M SI = SampleInvalid, * = Excess Emission

Total Operating Time: 1,140.75 Hours

Non-Operating Time: 1,043.25 Hours Report Time: 2,184.00 Hours

Unit Operation

Event Period				Reason	Action
Begin/End	Duration in Minute(s)	Lb/Event	Limit	Code - Description	Code - Description

No excess emissions were found in the reporting period.

Startup/Shutdown Excess Emissions Report

U1 CO Startup/Shutdown

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station

Generated: 07/05/2024 08:20 **Location:** Vernon, California

Tag Name: U1_CO_LbPerHr_1M SI = SampleInvalid, * = Excess Emission

Total Operating Time: 1,140.75 Hours

Non-Operating Time: 1,043.25 Hours Report Time: 2,184.00 Hours

No invalid events were found in the reporting period.

Startup/Shutdown Excess Emissions Report

U1 NOx Startup/Shutdown

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station

Generated: 07/05/2024 08:21 **Location:** Vernon, California

Tag Name: U1_NOxRECLM_LbPerHr_1M SI = SampleInvalid, * = Excess Emission

Total Operating Time: 1,140.75 Hours

Non-Operating Time: 1,043.25 Hours Report Time: 2,184.00 Hours

Unit Operation

Event Period				Reason	Action
Begin/End	Duration in Minute(s)	Lb/Event	Limit	Code - Description	Code - Description

No excess emissions were found in the reporting period.

Startup/Shutdown Excess Emissions Report

U1 NOx Startup/Shutdown

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station

Generated: 07/05/2024 08:21 **Location:** Vernon, California

Tag Name: U1_NOxRECLM_LbPerHr_1M SI = SampleInvalid, * = Excess Emission

Total Operating Time: 1,140.75 Hours

Non-Operating Time: 1,043.25 Hours Report Time: 2,184.00 Hours

No invalid events were found in the reporting period.

Startup/Shutdown Excess Emissions Report

U1 VOC Startup/Shutdown

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station

Generated: 07/05/2024 08:22 **Location:** Vernon, California

Tag Name: U1_VOC_LbPerHr_1M SI = SampleInvalid, * = Excess Emission

Total Operating Time: 1,140.75 Hours

Non-Operating Time: 1,043.25 Hours Report Time: 2,184.00 Hours

Unit Operation

Event Period				Reason	Action
Begin/End	Duration in Minute(s)	Lb/Event	Limit	Code - Description	Code - Description

No excess emissions were found in the reporting period.

Startup/Shutdown Excess Emissions Report

U1 VOC Startup/Shutdown

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station

Generated: 07/05/2024 08:22 **Location:** Vernon, California

Tag Name: U1_VOC_LbPerHr_1M SI = SampleInvalid, * = Excess Emission

Total Operating Time: 1,140.75 Hours

Non-Operating Time: 1,043.25 Hours Report Time: 2,184.00 Hours

No invalid events were found in the reporting period.

Excess Emission Report

Unit 1 - CO ppmvdc 1-hour during Normal Operation

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station
Generated: 07/05/2024 08:22 **Location:** Vernon, California

Tag Name: U1_CONormal_Ppmvdc_1H
Total Operating Time: 1,146.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 1,038.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	**1,146.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**

Excess Emission Report

Unit 1 - NOx ppmvdc 1-hour during Normal Operation

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station
Generated: 07/05/2024 08:23 **Location:** Vernon, California

Tag Name: U1_NOxNormal_Ppmvdc_1H
Total Operating Time: 1,146.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 1,038.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	**1,146.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**

Excess Emission Report

Unit 1 - VOC ppmvdc 1-hour during Normal Operation

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station
Generated: 07/05/2024 08:23 **Location:** Vernon, California

Tag Name: U1_VOCNormal_Ppmvdc_1H
Total Operating Time: 1,146.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 1,038.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	**1,146.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**

Excess Emission Report

Unit 1 - CO ppmvdc 3-hour Rolling during Normal Operation

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station
Generated: 07/05/2024 08:24 **Location:** Vernon, California

Tag Name: U1_CO_3HrRoll_Ppmvdc_1H
Total Operating Time: 1,146.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 1,038.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	**1,146.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**

Quad K Excess Emissions Report

U1 NOX 4-Hour Events

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station

Generated: 07/05/2024 08:24 **Location:** Vernon, California

Tag Name: U1_NOx4H_Ppmvdc_1H

Total Operating Time: 1,146.00 Hour(s) **No Exclusions Allowed**

Non-Operating Time: 1,038.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	**1,146.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**

Startup/Shutdown Event Report

U2 CO Startup/Shutdown Events

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station

Generated: 07/05/2024 08:25 **Location:** Vernon, California

Tag Name: U2_CO_LbPerHr_1M SI = SampleInvalid, * = Excess Emission

Total Operating Time: 829.35 Hours

Non-Operating Time: 1,354.65 Hours Report Time: 2,184.00 Hours

Unit Operation

Event Period				Reason	Action
Begin/End	Duration in Minute(s)	Lb/Event	Limit	Code - Description	Code - Description

No excess emissions were found in the reporting period.

Startup/Shutdown Event Report

U2 CO Startup/Shutdown Events

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station

Generated: 07/05/2024 08:25 **Location:** Vernon, California

Tag Name: U2_CO_LbPerHr_1M SI = SampleInvalid, * = Excess Emission

Total Operating Time: 829.35 Hours

Non-Operating Time: 1,354.65 Hours Report Time: 2,184.00 Hours

No invalid events were found in the reporting period.

Startup/Shutdown Excess Emissions Report

U2 NOx Startup/Shutdown

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station

Generated: 07/05/2024 08:26 **Location:** Vernon, California

Tag Name: U2_NOxRECLM_LbPerHr_1M SI = SampleInvalid, * = Excess Emission

Total Operating Time: 829.35 Hours

Non-Operating Time: 1,354.65 Hours Report Time: 2,184.00 Hours

Unit Operation

Event Period				Reason	Action
Begin/End	Duration in Minute(s)	Lb/Event	Limit	Code - Description	Code - Description

No excess emissions were found in the reporting period.

Startup/Shutdown Excess Emissions Report

U2 NOx Startup/Shutdown

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station

Generated: 07/05/2024 08:26 **Location:** Vernon, California

Tag Name: U2_NOxRECLM_LbPerHr_1M

SI = SampleInvalid, * = Excess Emission

Total Operating Time: 829.35 Hours

Non-Operating Time: 1,354.65 Hours Report Time: 2,184.00 Hours

No invalid events were found in the reporting period.

Startup/Shutdown Event Report

U2 VOC Startup/Shutdown Events

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station

Generated: 07/05/2024 08:27 **Location:** Vernon, California

Tag Name: U2_VOC_LbPerHr_1M

SI = SampleInvalid, * = Excess Emission

Total Operating Time: 829.35 Hours

Non-Operating Time: 1,354.65 Hours Report Time: 2,184.00 Hours

Unit Operation

Event Period				Reason	Action
Begin/End	Duration in Minute(s)	Lb/Event	Limit	Code - Description	Code - Description

No excess emissions were found in the reporting period.

Startup/Shutdown Event Report

U2 VOC Startup/Shutdown Events

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station

Generated: 07/05/2024 08:27 **Location:** Vernon, California

Tag Name: U2_VOC_LbPerHr_1M SI = SampleInvalid, * = Excess Emission

Total Operating Time: 829.35 Hours

Non-Operating Time: 1,354.65 Hours Report Time: 2,184.00 Hours

No invalid events were found in the reporting period.

Excess Emission Report

Unit 2 - CO ppmvdc 1-hour during Normal Operation

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station
Generated: 07/05/2024 08:28 **Location:** Vernon, California

Tag Name: U2_CONormal_Ppmvdc_1H
Total Operating Time: 831.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 1,353.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	**831.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**

Excess Emission Report

Unit 2 - NOx ppmvdc 1-hour during Normal Operation

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station
Generated: 07/05/2024 08:32 **Location:** Vernon, California

Tag Name: U2_NOxNormal_Ppmvdc_1H
Total Operating Time: 831.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 1,353.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	**831.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**

Excess Emission Report

Unit 2 - VOC ppmvdc 1-hour during Normal Operation

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station
Generated: 07/05/2024 08:33 **Location:** Vernon, California

Tag Name: U2_VOCNormal_Ppmvdc_1H
Total Operating Time: 831.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 1,353.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	**831.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**

Excess Emission Report

Unit 2 - CO ppmvdc 3-hour Rolling during Normal Operation

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station
Generated: 07/05/2024 08:33 **Location:** Vernon, California

Tag Name: U2_CO_3HrRoll_Ppmvdc_1H
Total Operating Time: 831.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 1,353.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	**831.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**

Quad K Excess Emissions Report

U2 NOX 4-Hour Events

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station
Generated: 07/05/2024 08:34 **Location:** Vernon, California

Tag Name: U2_NOx4H_Ppmvdc_1H
Total Operating Time: 831.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 1,353.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	**831.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**

Startup/Shutdown Excess Emissions Report

U1 CO Startup/Shutdown

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station

Generated: 07/05/2024 08:20 **Location:** Vernon, California

Tag Name: U1_CO_LbPerHr_1M SI = SampleInvalid, * = Excess Emission

Total Operating Time: 1,140.75 Hours

Non-Operating Time: 1,043.25 Hours Report Time: 2,184.00 Hours

Unit Operation

Event Period				Reason	Action
Begin/End	Duration in Minute(s)	Lb/Event	Limit	Code - Description	Code - Description

No excess emissions were found in the reporting period.

Startup/Shutdown Excess Emissions Report

U1 CO Startup/Shutdown

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station

Generated: 07/05/2024 08:20 **Location:** Vernon, California

Tag Name: U1_CO_LbPerHr_1M SI = SampleInvalid, * = Excess Emission

Total Operating Time: 1,140.75 Hours

Non-Operating Time: 1,043.25 Hours Report Time: 2,184.00 Hours

No invalid events were found in the reporting period.

Startup/Shutdown Excess Emissions Report

U1 NOx Startup/Shutdown

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station

Generated: 07/12/2024 14:09 **Location:** Vernon, California

Tag Name: U1_NOxRECLM_LbPerHr_1M SI = SampleInvalid, * = Excess Emission

Total Operating Time: 1,140.75 Hours

Non-Operating Time: 1,043.25 Hours Report Time: 2,184.00 Hours

Unit Operation

Event Period				Reason	Action
Begin/End	Duration in Minute(s)	Lb/Event	Limit	Code - Description	Code - Description

No excess emissions were found in the reporting period.

Startup/Shutdown Excess Emissions Report

U1 NOx Startup/Shutdown

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station

Generated: 07/12/2024 14:09 **Location:** Vernon, California

Tag Name: U1_NOxRECLM_LbPerHr_1M SI = SampleInvalid, * = Excess Emission

Total Operating Time: 1,140.75 Hours

Non-Operating Time: 1,043.25 Hours Report Time: 2,184.00 Hours

No invalid events were found in the reporting period.

Startup/Shutdown Excess Emissions Report

U1 VOC Startup/Shutdown

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station

Generated: 07/05/2024 08:22 **Location:** Vernon, California

Tag Name: U1_VOC_LbPerHr_1M SI = SampleInvalid, * = Excess Emission

Total Operating Time: 1,140.75 Hours

Non-Operating Time: 1,043.25 Hours Report Time: 2,184.00 Hours

Unit Operation

Event Period				Reason	Action
Begin/End	Duration in Minute(s)	Lb/Event	Limit	Code - Description	Code - Description

No excess emissions were found in the reporting period.

Startup/Shutdown Excess Emissions Report

U1 VOC Startup/Shutdown

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station

Generated: 07/05/2024 08:22 **Location:** Vernon, California

Tag Name: U1_VOC_LbPerHr_1M SI = SampleInvalid, * = Excess Emission

Total Operating Time: 1,140.75 Hours

Non-Operating Time: 1,043.25 Hours Report Time: 2,184.00 Hours

No invalid events were found in the reporting period.

Excess Emission Report

Unit 1 - CO ppmvdc 1-hour during Normal Operation

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station
Generated: 07/05/2024 08:22 **Location:** Vernon, California

Tag Name: U1_CONormal_Ppmvdc_1H
Total Operating Time: 1,146.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 1,038.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	**1,146.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**

Excess Emission Report

Unit 1 - NOx ppmvdc 1-hour during Normal Operation

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station
Generated: 07/12/2024 14:10 **Location:** Vernon, California

Tag Name: U1_NOxNormal_Ppmvdc_1H
Total Operating Time: 1,146.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 1,038.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	**1,146.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**

Excess Emission Report

Unit 1 - VOC ppmvdc 1-hour during Normal Operation

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station
Generated: 07/05/2024 08:23 **Location:** Vernon, California

Tag Name: U1_VOCNormal_Ppmvdc_1H
Total Operating Time: 1,146.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 1,038.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	**1,146.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**

Excess Emission Report

Unit 1 - CO ppmvdc 3-hour Rolling during Normal Operation

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station
Generated: 07/05/2024 08:24 **Location:** Vernon, California

Tag Name: U1_CO_3HrRoll_Ppmvdc_1H
Total Operating Time: 1,146.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 1,038.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	**1,146.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**

Quad K Excess Emissions Report

U1 NOX 4-Hour Events

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station

Generated: 07/12/2024 14:11 **Location:** Vernon, California

Tag Name: U1_NOx4H_Ppmvdc_1H

Total Operating Time: 1,146.00 Hour(s) **No Exclusions Allowed**

Non-Operating Time: 1,038.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	**1,146.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**

Startup/Shutdown Event Report

U2 CO Startup/Shutdown Events

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station

Generated: 07/05/2024 08:25 **Location:** Vernon, California

Tag Name: U2_CO_LbPerHr_1M SI = SampleInvalid, * = Excess Emission

Total Operating Time: 829.35 Hours

Non-Operating Time: 1,354.65 Hours Report Time: 2,184.00 Hours

Unit Operation

Event Period				Reason	Action
Begin/End	Duration in Minute(s)	Lb/Event	Limit	Code - Description	Code - Description

No excess emissions were found in the reporting period.

Startup/Shutdown Event Report

U2 CO Startup/Shutdown Events

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station

Generated: 07/05/2024 08:25 **Location:** Vernon, California

Tag Name: U2_CO_LbPerHr_1M SI = SampleInvalid, * = Excess Emission

Total Operating Time: 829.35 Hours

Non-Operating Time: 1,354.65 Hours Report Time: 2,184.00 Hours

No invalid events were found in the reporting period.

Startup/Shutdown Excess Emissions Report

U2 NOx Startup/Shutdown

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station

Generated: 07/12/2024 14:11 **Location:** Vernon, California

Tag Name: U2_NOxRECLM_LbPerHr_1M SI = SampleInvalid, * = Excess Emission

Total Operating Time: 829.35 Hours

Non-Operating Time: 1,354.65 Hours Report Time: 2,184.00 Hours

Unit Operation

Event Period				Reason	Action
Begin/End	Duration in Minute(s)	Lb/Event	Limit	Code - Description	Code - Description

No excess emissions were found in the reporting period.

Startup/Shutdown Excess Emissions Report

U2 NOx Startup/Shutdown

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station

Generated: 07/12/2024 14:11 **Location:** Vernon, California

Tag Name: U2_NOxRECLM_LbPerHr_1M

SI = SampleInvalid, * = Excess Emission

Total Operating Time: 829.35 Hours

Non-Operating Time: 1,354.65 Hours Report Time: 2,184.00 Hours

No invalid events were found in the reporting period.

Startup/Shutdown Event Report

U2 VOC Startup/Shutdown Events

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station

Generated: 07/05/2024 08:27 **Location:** Vernon, California

Tag Name: U2_VOC_LbPerHr_1M

SI = SampleInvalid, * = Excess Emission

Total Operating Time: 829.35 Hours

Non-Operating Time: 1,354.65 Hours Report Time: 2,184.00 Hours

Unit Operation

Event Period				Reason	Action
Begin/End	Duration in Minute(s)	Lb/Event	Limit	Code - Description	Code - Description

No excess emissions were found in the reporting period.

Startup/Shutdown Event Report

U2 VOC Startup/Shutdown Events

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station

Generated: 07/05/2024 08:27 **Location:** Vernon, California

Tag Name: U2_VOC_LbPerHr_1M SI = SampleInvalid, * = Excess Emission

Total Operating Time: 829.35 Hours

Non-Operating Time: 1,354.65 Hours Report Time: 2,184.00 Hours

No invalid events were found in the reporting period.

Excess Emission Report

Unit 2 - CO ppmvdc 1-hour during Normal Operation

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station
Generated: 07/05/2024 08:28 **Location:** Vernon, California

Tag Name: U2_CONormal_Ppmvdc_1H
Total Operating Time: 831.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 1,353.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	**831.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**

Excess Emission Report

Unit 2 - NOx ppmvdc 1-hour during Normal Operation

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station
Generated: 07/12/2024 14:12 **Location:** Vernon, California

Tag Name: U2_NOxNormal_Ppmvdc_1H
Total Operating Time: 831.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 1,353.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	**831.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**

Excess Emission Report

Unit 2 - VOC ppmvdc 1-hour during Normal Operation

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station
Generated: 07/05/2024 08:33 **Location:** Vernon, California

Tag Name: U2_VOCNormal_Ppmvdc_1H
Total Operating Time: 831.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 1,353.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	**831.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**

Excess Emission Report

Unit 2 - CO ppmvdc 3-hour Rolling during Normal Operation

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station
Generated: 07/05/2024 08:33 **Location:** Vernon, California

Tag Name: U2_CO_3HrRoll_Ppmvdc_1H
Total Operating Time: 831.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 1,353.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	**831.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**

Quad K Excess Emissions Report

U2 NOX 4-Hour Events

From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** Malburg Generating Station
Generated: 07/12/2024 14:13 **Location:** Vernon, California

Tag Name: U2_NOx4H_Ppmvdc_1H
Total Operating Time: 831.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 1,353.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	**831.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**