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July 30, 2025

#### NOTICE OF INTENT TO FILE 2025 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, 2025, through June 30, 2025. This report addresses all quarterly requirements identified in the Final Commission Decision for the Malburg Generating Station (Transaction Number [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@cityofvernonca.gov or (323) 583-8811 x378.

Thank you,

Todd Dusenberry

General Manager of Vernon Public Utilities

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Document Control

Enclosure: MGS 2025 Q2 Compliance Report

### **Jacobs**

# Malburg Generating Station Quarterly Compliance Report (Second Quarter 2025)

Submitted to

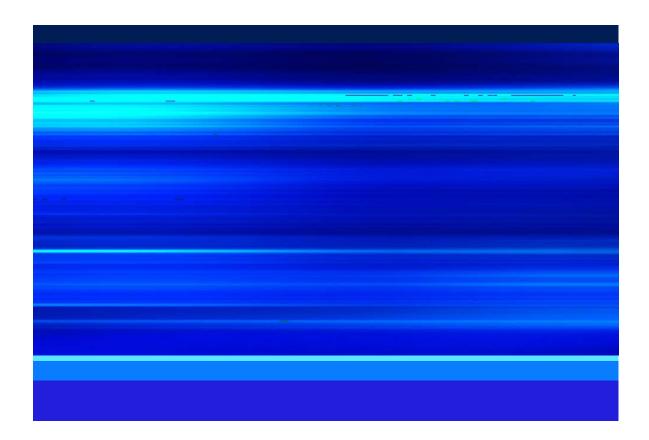
California Energy Commission

Submitted by

City of Vernon, Public Utilities Department

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July 30, 2025



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#### **Acronyms and Abbreviations**

CEC California Energy Commission

CEMS continuous emissions monitoring system

CO carbon monoxide

COCs 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<sub>3</sub> ammonia

NOx nitrogen oxides

PM<sub>10</sub> particulate matter with aerodynamic diameter less than or equal to 10 microns

PM<sub>2.5</sub> 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

SOx sulfur oxides

STG steam turbine generator

TDS total dissolved solids

TN Transaction Number

VOC volatile organic compound

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#### 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 (COCs) described in the CEC's Final Commission Decision for the MGS (Transaction Number [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 2025 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 <sub>10</sub> ) emissions from cooling tower operation during the second quarter of 2025 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 2025 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 2025, including the duration and date of occurrence, are provided in Appendix C, Table 1.

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Condition of Certification	Response	
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 2025 are provided in Appendix A, Table 1.	
AQ-2	Low sulfur diesel fuel was last purchased on March 18, 2025. 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.	
AQ-5	Monthly emissions of CO, PM <sub>10</sub> , particulate matter with an aerodynamic diameter less than or equal to 2.5 microns (PM <sub>2.5</sub> ), VOC, and SOx from CTG and duct burner operation during the second quarter of 2025 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 emissions 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 emissions 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 emissions 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 demonstrated through annual or quarterly source testing. The most recent NH <sub>3</sub> compliance source testing for CTG 1 and CTG 2 was performed on February 11 and 12, 2025. The test reports with results were submitted to the CEC on March 26, 2025, and indicated compliance with the emission limit (0.8 ppm for CTG 1 and 0.4 ppm for CTG 2). NH <sub>3</sub> emissions are also calculated via the CEMS on an hourly basis and compared to the NH <sub>3</sub> concentration limit of 5 ppm as an indicator of process functionality.	

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#### Malburg Generating Station Quarterly Compliance Report (Second Quarter 2025)

Condition of Certification	Response
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). Note that the next triennial compliance source test is scheduled for August 2025 and will be conducted per the protocol submitted on May 23, 2025.
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 2025 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.

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### **Appendix A MGS Emission Calculations**

Reporting Period: Quarter 2 2025

Table 1. Quarterly Emissions - April 1, 2025 through June 30, 2025

	Quarterly Emissions (lb/quarter)					
Source	NOx	CO	VOC	SOx	PM <sub>10</sub> /PM <sub>2.5</sub>	NH <sub>3</sub>
CTG 1 & Duct Burner	3,603	1,348	766	137	2,990	4,532
CTG 2 & Duct Burner	950	385	197	35	772	1,171
Cooling Tower					115	
Diesel Firewater Pump	30	0.87	0.22	0.01	0.20	0.05
Total	4,583	1,734	963	172	3,876	5,704

Reporting Period: Quarter 2 2025

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

Sampling Period		
Start Date	End Date	TDS (ppm) <sup>[2]</sup>
3/30/2025	4/5/2025	4,120
4/6/2025	4/12/2025	3,950
4/13/2025	4/19/2025	3,990
4/20/2025	4/26/2025	4,090
4/27/2025	5/3/2025	4,200
5/4/2025	5/10/2025	3,800
5/11/2025	5/17/2025	4,020
5/18/2025	5/24/2025	
5/25/2025	5/31/2025	4,450
6/1/2025	6/7/2025	4,400
6/8/2025	6/14/2025	4,300
6/15/2025	6/21/2025	4,020
6/22/2025	6/28/2025	4,100
6/29/2025	7/5/2025	3,800

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

 $<sup>^{[2]}</sup>$  No sample was collected the week of May 18, 2025 because the plant was undergoing its' spring outage.

Reporting Period: April 2025

#### 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

	Period		
Sample Date	Start Date	End Date	TDS (ppm)
4/2/2025	3/30/2025	4/5/2025	4,120
4/7/2025	4/6/2025	4/12/2025	3,950
4/14/2025	4/13/2025	4/19/2025	3,990
4/22/2025	4/20/2025	4/26/2025	4,090
4/28/2025	4/27/2025	5/3/2025	4,200

#### 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		

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

<sup>&</sup>lt;sup>[2]</sup> Per COC AQ-C4.

<sup>[3]</sup> Source: SPX Cooling Technologies' Cooling Tower Drift Mass Distribution.

#### Cooling Tower Daily PM<sub>10</sub> Emissions

	Circulation Rate		PM <sub>10</sub> Emissions	Above 6.2 lb/day
Date	(gal/day) <sup>[1]</sup>	TDS (ppm)	(lb/day)	PM <sub>10</sub> Limit? [2]
4/1/2025	38,880,000	4,120	1.33	No
4/2/2025	38,880,000	4,120	1.33	No
4/3/2025	38,880,000	4,120	1.33	No
4/4/2025	38,880,000	4,120	1.33	No
4/5/2025	38,880,000	4,120	1.33	No
4/6/2025	38,880,000	3,950	1.28	No
4/7/2025	38,880,000	3,950	1.28	No
4/8/2025	38,880,000	3,950	1.28	No
4/9/2025	38,880,000	3,950	1.28	No
4/10/2025	38,880,000	3,950	1.28	No
4/11/2025	38,880,000	3,950	1.28	No
4/12/2025	38,880,000	3,950	1.28	No
4/13/2025	38,880,000	3,990	1.29	No
4/14/2025	38,880,000	3,990	1.29	No
4/15/2025	38,880,000	3,990	1.29	No
4/16/2025	38,880,000	3,990	1.29	No
4/17/2025	38,880,000	3,990	1.29	No
4/18/2025	38,880,000	3,990	1.29	No
4/19/2025	38,880,000	3,990	1.29	No
4/20/2025	38,880,000	4,090	1.33	No
4/21/2025	38,880,000	4,090	1.33	No
4/22/2025	38,880,000	4,090	1.33	No
4/23/2025	38,880,000	4,090	1.33	No
4/24/2025	38,880,000	4,090	1.33	No
4/25/2025	38,880,000	4,090	1.33	No
4/26/2025	38,880,000	4,090	1.33	No
4/27/2025	38,880,000	4,200	1.36	No
4/28/2025	38,880,000	4,200	1.36	No
4/29/2025	38,880,000	4,200	1.36	No
4/30/2025	38,880,000	4,200	1.36	No

 $<sup>\</sup>frac{4/30/2025}{\text{Maximum daily circulation rate conservatively used to estimate PM}_{10} \text{ emissions when the cooling tower is operated for any part of the day.}$  Circulation rate is zero for days the cooling tower is not operated at all.

 $<sup>\</sup>ensuremath{^{[2]}}$  Daily emissions limit established in COC AQ-C7.

Reporting Period: May 2025

#### 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

	Period	Period		
Sample Date [1]	Start Date	End Date	TDS (ppm)	
4/28/2025	4/27/2025	5/3/2025	4,200	
5/6/2025	5/4/2025	5/10/2025	3,800	
5/13/2025	5/11/2025	5/17/2025	4,020	
	5/18/2025	5/24/2025		
5/28/2025	5/25/2025	5/31/2025	4,450	

<sup>[1]</sup> No sample was collected the week of May 18, 2025 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	12 500
(gal/min) [1]	13,500
Number of Pumps	2
<b>Total Circulation Rate</b>	27 000
(gal/min)	27,000
Water Density (lb/gal)	8.334
Drift Factor (%) [2]	0.0005
Correction Factor	0.2
(unitless) [3]	0.2
(gal/min) Water Density (lb/gal) Drift Factor (%) [2] Correction Factor	0.00

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

<sup>&</sup>lt;sup>[2]</sup> Per COC AQ-C4.

<sup>[3]</sup> Source: SPX Cooling Technologies' Cooling Tower Drift Mass Distribution.

#### Cooling Tower Daily PM<sub>10</sub> Emissions

	Circulation Rate		PM <sub>10</sub> Emissions	Above 6.2 lb/day PM <sub>1</sub>
ate	(gal/day) <sup>[1]</sup>	TDS (ppm) [2]	(lb/day)	Limit? [3]
5/1/2025	38,880,000	4,200	1.36	No
5/2/2025	38,880,000	4,200	1.36	No
5/3/2025	38,880,000	4,200	1.36	No
5/4/2025	38,880,000	3,800	1.23	No
5/5/2025	38,880,000	3,800	1.23	No
5/6/2025	38,880,000	3,800	1.23	No
5/7/2025	38,880,000	3,800	1.23	No
5/8/2025	38,880,000	3,800	1.23	No
5/9/2025	38,880,000	3,800	1.23	No
5/10/2025	38,880,000	3,800	1.23	No
5/11/2025	38,880,000	4,020	1.30	No
5/12/2025	38,880,000	4,020	1.30	No
5/13/2025	38,880,000	4,020	1.30	No
5/14/2025	38,880,000	4,020	1.30	No
5/15/2025	38,880,000	4,020	1.30	No
5/16/2025	38,880,000	4,020	1.30	No
5/17/2025	0		0.00	No
5/18/2025	0		0.00	No
5/19/2025	0		0.00	No
5/20/2025	0		0.00	No
5/21/2025	0		0.00	No
5/22/2025	38,880,000	4,020	1.30	No
5/23/2025	38,880,000	4,020	1.30	No
5/24/2025	38,880,000	4,020	1.30	No
5/25/2025	38,880,000	4,450	1.44	No
5/26/2025	38,880,000	4,450	1.44	No
5/27/2025	38,880,000	4,450	1.44	No
5/28/2025	38,880,000	4,450	1.44	No
5/29/2025	38,880,000	4,450	1.44	No
5/30/2025	38,880,000	4,450	1.44	No
5/31/2025	38,880,000	4,450	1.44	No

<sup>[1]</sup> Maximum daily circulation rate conservatively used to estimate PM<sub>10</sub> 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.

<sup>[2]</sup> No sample was collected the week of May 18, 2025 because the plant was undergoing its' spring outage. For the days that MGS did operate during this week, sample results were assumed to be best represented by the results sampled on May 13, 2025.

<sup>[3]</sup> Daily emissions limit established in COC AQ-C7.

Reporting Period: June 2025

#### 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

	Period		
Sample Date	Start Date	End Date	TDS (ppm)
6/3/2025	6/1/2025	6/7/2025	4,400
6/9/2025	6/8/2025	6/14/2025	4,300
6/17/2025	6/15/2025	6/21/2025	4,020
6/23/2025	6/22/2025	6/28/2025	4,100
6/30/2025	6/29/2025	7/5/2025	3,800

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

PM<sub>10</sub> 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	13,500
(gal/min) [1]	15,500
Number of Pumps	2
Total Circulation Rate	27,000
(gal/min)	27,000
Water Density (lb/gal)	8.334
Drift Factor (%) [2]	0.0005
Correction Factor	0.2
(unitless) [3]	0.2

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

<sup>[2]</sup> Per COC AQ-C4.

<sup>[3]</sup> Source: SPX Cooling Technologies' Cooling Tower Drift Mass

Cooling Tower Daily PM<sub>10</sub> Emissions

	Circulation Rate		PM <sub>10</sub> Emissions	Above 6.2 lb/day PM <sub>10</sub>
ate	(gal/day) [1]	TDS (ppm)	(lb/day)	Limit? [2]
6/1/2025	38,880,000	4,400	1.43	No
6/2/2025	38,880,000	4,400	1.43	No
6/3/2025	38,880,000	4,400	1.43	No
6/4/2025	38,880,000	4,400	1.43	No
6/5/2025	38,880,000	4,400	1.43	No
6/6/2025	38,880,000	4,400	1.43	No
6/7/2025	38,880,000	4,400	1.43	No
6/8/2025	38,880,000	4,300	1.39	No
6/9/2025	38,880,000	4,300	1.39	No
6/10/2025	38,880,000	4,300	1.39	No
6/11/2025	38,880,000	4,300	1.39	No
6/12/2025	38,880,000	4,300	1.39	No
6/13/2025	38,880,000	4,300	1.39	No
6/14/2025	38,880,000	4,300	1.39	No
6/15/2025	38,880,000	4,020	1.30	No
6/16/2025	38,880,000	4,020	1.30	No
6/17/2025	38,880,000	4,020	1.30	No
6/18/2025	38,880,000	4,020	1.30	No
6/19/2025	38,880,000	4,020	1.30	No
6/20/2025	38,880,000	4,020	1.30	No
6/21/2025	38,880,000	4,020	1.30	No
6/22/2025	38,880,000	4,100	1.33	No
6/23/2025	38,880,000	4,100	1.33	No
6/24/2025	38,880,000	4,100	1.33	No
6/25/2025	38,880,000	4,100	1.33	No
6/26/2025	38,880,000	4,100	1.33	No
6/27/2025	38,880,000	4,100	1.33	No
6/28/2025	38,880,000	4,100	1.33	No
6/29/2025	38,880,000	3,800	1.23	No
6/30/2025	38,880,000	3,800	1.23	No

<sup>[1]</sup> Maximum daily circulation rate conservatively used to estimate PM<sub>10</sub> 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.

 $<sup>^{\</sup>rm [2]}$  Daily emissions limit established in COC AQ-C7.

Reporting Period: Quarter 2 2025

Table 6. Monthly Turbine-Duct Burner Fuel Flow

	April		May		June		
		Above 405		Above 405		Above 405	
	Fuel Flow	MMscf/month	Fuel Flow	MMscf/month	Fuel Flow	MMscf/month	
Source	(MMscf/month) [1]	Limit? [2]	(MMscf/month) <sup>[1]</sup>	Limit? [2]	(MMscf/month) [1]	Limit? [2]	
CTG 1	216		88		193		
CTG 1 Duct Burner	0.05		0.44		0.42		
Total CTG 1 & Duct Burner	216	No	88	No	193	No	
CTG 2	2.2		103		23		
CTG 2 Duct Burner	0.00		0.43		0.00		
Total CTG 2 & Duct Burner	2.2	No	103	No	23	No	

<sup>[1]</sup> CTG and Duct Burner fuel flow data obtained from 'U1/U2\_MonthlySummary\_MassEmissionsAndFuel' and 'All\_12MonthSummary\_GasUsage' RegPerfect Reports.

Table 7. Monthly Emissions - April 2025

	Monthly Emissions (l	b/month) <sup>[1]</sup>				
Source	NOx <sup>[2]</sup>	CO	VOC	S0x	PM <sub>10</sub> /PM <sub>2.5</sub>	NH <sub>3</sub> <sup>[3]</sup>
CTG 1 & Duct Burner	1,502	510	332	59	1,298	1,965
CTG 2 & Duct Burner	45	60	3.4	0.6	13	20
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

<sup>[1]</sup> Unless otherwise noted, monthly emissions data obtained from 'U1/U2\_MonthlySummary\_MassEmissionsAndFuel' RegPerfect Report.

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

<sup>[2]</sup> Monthly NOx emissions are as submitted to SCAQMD, based on the 'U1\_U2MonthlyRECLAIMNOxSummaryByDay' RegPerfect Report.

Monthly NH<sub>3</sub> emissions are calculated using monthly fuel usage and default emission factors from the SCAQMD's AER Combustion Default Emission Factors - December 2024. The emission factors are 9.1 lbs/MMscf and 18.0 lbs/MMscf for the CTGs and Duct Burners, respectively.

<sup>[4]</sup> Monthly emission limits are per COC AQ-5.

Table 8. Monthly Emissions - May 2025

	Monthly Emissions (l	b/month) <sup>[1]</sup>				
Source	NOx <sup>[2]</sup>	СО	VOC	SOx	PM <sub>10</sub> /PM <sub>2.5</sub>	NH <sub>3</sub> [3]
CTG 1 & Duct Burner	709	319	136	24	531	807
CTG 2 & Duct Burner	718	216	159	28	622	945
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

<sup>&</sup>lt;sup>[1]</sup> Unless otherwise noted, monthly emissions data obtained from 'U1/U2\_MonthlySummary\_MassEmissionsAndFuel' RegPerfect Report.

Table 9. Monthly Emissions - June 2025

Monthly Emissions (lb/month) [1]							
Source	NOx <sup>[2]</sup>	СО	VOC	S0x	PM <sub>10</sub> /PM <sub>2.5</sub>	NH <sub>3</sub> <sup>[3]</sup>	
CTG 1 & Duct Burner	1,391	520	298	53	1,161	1,761	
CTG 2 & Duct Burner	188	108	35	6.2	137	207	
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	

<sup>[1]</sup> Unless otherwise noted, monthly emissions data obtained from 'U1/U2\_MonthlySummary\_MassEmissionsAndFuel' RegPerfect Report.

<sup>[2]</sup> Monthly NOx emissions are as submitted to SCAQMD, based on the 'U1\_U2MonthlyRECLAIMNOxSummaryByDay' RegPerfect Report.

<sup>[3]</sup> Monthly NH<sub>3</sub> emissions are calculated using monthly fuel usage and default emission factors from the SCAQMD's AER Combustion Default Emission Factors - December 2024. The emission factors are 9.1 lbs/MMscf and 18.0 lbs/MMscf for the CTGs and Duct Burners, respectively.

<sup>[4]</sup> Monthly emission limits are per COC AQ-5.

<sup>[2]</sup> Monthly NOx emissions are as submitted to SCAQMD, based on the 'U1\_U2MonthlyRECLAIMNOxSummaryByDay' RegPerfect Report.

<sup>[3]</sup> Monthly NH<sub>3</sub> emissions are calculated using monthly fuel usage and default emission factors from the SCAQMD's AER Combustion Default Emission Factors - December 2024. The emission factors are 9.1 lbs/MMscf and 18.0 lbs/MMscf for the CTGs and Duct Burners, respectively.

<sup>[4]</sup> Monthly emission limits are per COC AQ-5.

Reporting Period:

Quarter 2 2025

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 AER Combustion Default Emission Factors - December 2024.
PM <sub>10</sub> /PM <sub>2.5</sub>	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 <sub>3</sub>	0.80	Default for diesel combustion equipment without an SNCR or SCR given in the SCAQMD's AER Combustion Default Emission Factors - December 2024.

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

	Monthly Hours	of Operation <sup>[</sup>	11	Fuel Usage	Usage Monthly Emissions (lb/month)					
Month	Maintenance	Testing	Emergency	(gal/month) [2]	NOx	CO	VOC	S0x	PM <sub>10</sub> /PM <sub>2.5</sub>	NH <sub>3</sub>
January	0.0	2.0	0.0	22.4	10.5	0.31	0.08	0.00	0.07	0.02
February	0.0	7.2	0.0	80.6	37.8	1.10	0.27	0.02	0.25	0.06
March	0.0	2.0	0.0	22.4	10.5	0.31	0.08	0.00	0.07	0.02
April	0.0	2.5	0.0	28.0	13.1	0.38	0.10	0.01	0.09	0.02
May	0.0	1.2	0.0	13.4	6.3	0.18	0.05	0.00	0.04	0.01
June	0.0	2.0	0.0	22.4	10.5	0.31	0.08	0.00	0.07	0.02
Q1 Total	0.0	11.2	0.0	125.4	58.8	1.7	0.4	0.0	0.4	0.1
Q2 Total	0.0	5.7	0.0	63.8	29.9	0.9	0.2	0.0	0.2	0.1
Annual Total	0.0	16.9	0.0	189.3	88.8	2.6	0.6	0.0	0.6	0.2
Annual Limit for Ma	intenance and Test	ing <sup>[3]</sup>	50							
Total A	nnual Limit <sup>[3]</sup>		200							

Exceeds Limits?

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

No

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

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

## **Appendix B Cooling Tower Blowdown Reports**



April 04, 2025

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

Report No.: 2504010

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, 2025.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. Analytes flagged ANC are not offered by ELAP for certification. Analytes flagged ANA are offered by ELAP; however, they are not PLS certified.

The laboratory report may not be reproduced, 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) are provided on the final report only.

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

Project Manager



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

#### **Certificate of Analysis**

Page 2 of 2

City of Vernon

Attn: Matt Richards

File #:74548

Report Date: 04/04/25 Submitted: 04/02/25

PLS Report No.: 2504010

4963 Soto St. Vernon, CA 90058

Phone: (323) 476-3626

FAX:(323) 476-3640

Project: Malburg Generating Station Weekly

Sample ID: C	Cooling Tower Blowdow	n Wat	er (250	4010-0	1) San	npled: 0	4/02/25	08:15 R	eceived:	04/02/25		34		
Analyte	Re	sults	Flag	D.F.	Units	PQL	Pre	p/Test Met	hod	Prepared	Ana	lyzed	Ву	Batch
Total Dissolv	ved Solids 4:	120		1	mg/L	5.0	S-	SM	2540C	04/02/25	04/0	3/25	55	BD50318
				Qı	uality	Contro	ol Data	1						
							Spike	Source		%REC		RPD	15 1	111
Analyte		Result	PQL	Units	Units	Level	Level Result	%REC	Limits	RPD Limit	Limit	Qualifier		
Batch BD50318	8		- 1			313	1530	a feel of	Sales					
Blank		Prep	ared: 04	/02/25	Analyzed	d: <b>04/03</b> /	25							
Total Dissolved	d Solids	ND		5.0		mg/L								
LCS		Prep	ared: 04	/02/25	Analyzed	d: 04/03/	25							
Total Dissolved	d Solids	42.	0	5.0		mg/L	50.0		84.0	80-120				
Duplicate	Source: 2504010-01	Prep	ared: 04	/02/25	Analyzed	d: 04/03/	25							
Total Dissolved	d Solids	417	0	5.0		mg/L		4120			1.13	5		

#### Notes and Definitions

NA Not Applicable

ND Analyte NOT DETECTED at or above the reported limit(s)

Not Reported NR

MDL Method Detection Limit PQL Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, LACSD No. 10138

Authorized Signature(s)

Rick Owen

	PO	SI	TI	VE	
Male					

#### CHAIN OF CUSTODY AND ANALYSIS REQUEST

LAB SERVICE [213] 745-5312 FAX [213] 745-6372 FILE NO.: LAB NO.: 25																			
M.31202 F	L	AB 21	ERVICE	[213] 743	3-3312	ואא נגוי	J 743-03	72					FILE	NO.:			LAB	NO.: 2504010	
LIENT	NAME:	CITY OF	VERNON	PROJE	CT N	AME/NO	).	MALBU	RG GENEI	RATING ST	ATION	WEEKLY	P.O.	NO.				AIRBILL NO:	
DDRE	SS:	4963 SOT	TO ST. VERNON CA 90058									ANA	LYSES	REQ	UEST	ED		OBSERVED TEMP	
ROJEC	T MANA	GER	MATT RICHARDS	PHONE	NO:			FAX!	NO:									CORRECTED TEMP: 1.50	į
AMPLI	ER NAMI	E:	JOHN BARIE	SIGNA	TURE	: The												THERMO ID: 6	
AT (Tu	rn-Aroun	d-Time):	0=Same Day; 1=24 Hour; 2=	48Hour;	(ETC.	) N=Nor	mal											31	
ONTA	INER TY	PES: B=B	rass; E=Encore/Easy Draw; F	=Plastic;	G=G	lass; V=	VOA V	ial; (	O=Oth	er									
ST PR	OJECT:	Y N	GLOBAL ID#:																
AMPLE	DATE	TIME	SAMPLE DESCRIPTION			TRIX		TAT		AINER	TDS							SAMPLE CONDITIONS/	
ID	SAMPLED	SAMPLED		WATER	SOIL	SLUDGE	OTHER	-	#	TYPE	T	-	+-	+-	-			CONTAINER/COMMENTS	-
	4.02	48/5	COOLING TOWER BLOWDOWN	X				N	1	P	X	_	_						_
																			Ī
																			Ī
elinguis	shed by (S	ignature&	Name):	Receive	d by (S	ignature	& Name	e):			Date:		Tim	e:	-	SAM	PLE	DISPOSITION	
	M		7			Benz				42	21		08	15		1. Sam	ples ret	turned to client? Yes No	
elinqui	shed by (S	ignature&	Name):			ignature	& Name	e):			Date:		Tim	e:		2. Sam	ples wi	ill not be stored over 30 days,	
																unless	additio	nal storage time is requested	
elinqui	shed by (S	ignature&	Name):	Receive	d by (S	Signature	& Name	e):			Date:		Time: 3. St		3. Store	orage time requested:days,			
														Date:					

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

Arrived at the lab 4225 13/7

SPECIAL INSTRUCTION:



April 14, 2025

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

Report No.: 2504060

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 07, 2025.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. Analytes flagged ANC are not offered by ELAP for certification. Analytes flagged ANA are offered by ELAP; however, they are not PLS certified.

The laboratory report may not be reproduced, 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) are provided on the final report only.

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

Project Manager



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

#### **Certificate of Analysis**

Page 2 of 2

City of Vernon 4963 Soto St.

File #:74548

Report Date: 04/14/25 Submitted: 04/07/25

PLS Report No.: 2504060

Vernon, CA 90058

Attn: Matt Richards

Phone: (323) 476-3626

FAX:(323) 476-3640

3950

Project: Malburg Generating Station Weekly

Sample ID: Cool	ling Tower Blowdown	n Wate	er (250	4060-0	1) Sam	pled: 0	4/07/25	14:25 R	eceived:	04/07/25				
Analyte	Res	sults	Flag	D.F.	Units	PQL	Pre	o/Test Met	hod	Prepared	Anal	yzed	Ву	Batch
Total Dissolved	Solids 39	950		1	mg/L	5.0	2	SM	2540C	04/11/25	04/1	1/25	SS	BD5111
				Qı	uality (	Contro	ol Data							
							Spike	Source	H. B	%REC	TELE	RPD	lia.	
Analyte		Resul	t	PQL	U	Inits	Level	Result	%REC	Limits	RPD	Limit	Q	ualifier
Batch BD51115														
Blank		Prepa	red & A	nalyzed:	04/11/2	5								
Total Dissolved So	lids	ND		5.0	п	ng/L								
LCS		Prepa	red & A	nalyzed:	04/11/2	5								
Total Dissolved So	lids	55.0		5.0	m	ng/L	50.0		110	80-120				
Duplicate	Source: 2504060-01	Prepa	red & A	nalvzed:	04/11/2	5								

#### **Notes and Definitions**

mg/L

5.0

NA

Not Applicable

ND

Total Dissolved Solids

Analyte NOT DETECTED at or above the reported limit(s)

NR

Not Reported

MDL

Method Detection Limit

Practical Quantitation Limit

PQL

Environmental Laboratory Accreditation Program Certificate No. 1131, LACSD No. 10138

3930

Authorized Signature(s)

0.592

5

1	Δ	PO	SI'	TI	VE
ABINAL L		LAB	SE	RV	ICE

#### CHAIN OF CUSTODY AND ANALYSIS REQUEST

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

DATE:	4/7/25	PAG
_		

F	т.	17	NI	0	
-			134		

-													F	ILE N	).:		LAB	3 NO.: 2504060
CLIENT	NAME:	CITY OF	F VERNON	PROJE	CT N	AME/NO	0.	MALI	BURG G	ENERAT	ING S	TATIO	N WEE	KLY P	o. No			AIRBILL NO:
ADDRE	SS:	4963 SOT	TO ST VERNON CA 90058									AN	ALYS	ES RE	QUES	TED		OBSERVED TEMP: 2.1"
PROJEC	CT MANA	GER:	MATT RICHARDS	PHONE	NO:			FAX	NO:									CORRECTED TEMP: 3 · / 4
SAMPL	ER NAMI	E:	Luis Gutierrez	SIGNA	TURE	:												THERMO ID_67
TAT (Tu	ırn-Arour	nd-Time):	0=Same Day; 1=24 Hour; 2=	-48Hour;	(ETC	.) N=Nor	mal							- 1				REMARKS;
CONTA	INER TY	PES; B=B	Brass; E=Encore/Easy Draw; I	P=Plastic	; G=0	lass; V=	=VOA	Vial; (	O=Oth	er								
UST PR	OJECT:	Y N	GLOBAL ID#:														1	
SAMPLE	DATE	TIME	SAMPLE DESCRIPTION		MA	TRIX		TAT	10000	AINER	TDS				1			SAMPLE CONDITIONS/
ID	SAMPLED	SAMPLED		WATER	SOIL	SLUDGE	OTHER		#	TYPE			-	-	_	+-	$\vdash$	CONTAINER/COMMENTS
	4/7/25	2:25	COLING TOWER BLOWDOWN	X				N	1	P	X		-	_	+	+	-	
					_					_			1	_		_		
					_											1_	$\perp$	
																	_	
Relinqui	shed by (S	ignature&	Name):	Receive	ed <b>b</b> § (!	Signature	& Nam	ie):			Date:		Т	ime:		SAN	<b>APLE</b>	DISPOSITION
		WIA		Lu	/	2 Cm			ez	4	1712	25		2:2	5	1. Sa	mples re	eturned to client? Yes No
Relinqui	shed by (S	ignature&	Name):	Receive	1	Signature					Date:		Т	ime:		2. Sa	mples w	vill not be stored over 30 days,
		_														unles	s additi	ional storage time is requested
Relingui	shed by (S	ignature&	Name):	Receive	ed by (	Signature	& Nam	e):			Date:		т	ime:				me requested:days,
			,			5.5	-									By:		Date:
SPECIA	L INSTR	UCTION:	:	lab i i	1-1	1200	2											
			Arrived at the I	4	11	4S _	5.00											
* PRESE	ERVATIO	N: 1-HNO	3, 2-H2SO4, 3-HCL, 4-Zinc Aceta	ate, 5-Na(	OH, 6-1	NH <sub>4</sub> Buff	er, 7-O	her										



April 21, 2025

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

Report No.: 2504102

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 14, 2025.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. Analytes flagged ANC are not offered by ELAP for certification. Analytes flagged ANA are offered by ELAP; however, they are not PLS certified.

The laboratory report may not be reproduced, 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) are provided on the final report only.

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

roject ridinger



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

#### **Certificate of Analysis**

Page 2 of 2

City of Vernon

File #:74548

4963 Soto St. Vernon, CA 90058 Report Date: 04/21/25 Submitted: 04/14/25

3990

PLS Report No.: 2504102

Attn: Matt Richards

Phone: (323) 476-3626

Sample ID: Cooling Tower Blowdown Water (2504102-01) Sampled: 04/14/25 10:48 Received: 04/14/25

5.0

FAX:(323) 476-3640

Project: Malburg Generating Station Weekly

Analyte	Res	sults	Flag	D.F.	Units	PQL	Pre	p/Test Met	hod	Prepared	Ana	yzed	Ву	Batch
Total Dissol	ved Solids 35	990		1	mg/L	5.0	-	5M	2540C	04/17/25	04/1	8/25	SS	BD51826
				Q	uality (	Contro	ol Data	ì						
				L CETTE			Spike	Source		%REC		RPD	18	Table 1
Analyte		Resu	ılt	PQL	ι	Inits	Level	Result	%REC	Limits	RPD	Limit	Q	ualifier
Batch BD5182	16	1277								1 30				
Blank		Prep	ared: 04/	17/25	Analyzed:	04/18/	25							
Total Dissolve	ed Solids	ND		5.0	n	ng/L								
LCS		Prep	ared: 04/	17/25	Analyzed:	04/18/	25							
Total Dissolve	ed Solids	41.0	)	5.0	r	ng/L	50.0		82.0	80-120				
Duplicate	Source: 2504102-01	Prep	ared: 04/	17/25	Analyzed:	04/18/	25							

#### Notes and Definitions

mg/L

NA Not Applicable

Total Dissolved Solids

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, LACSD No. 10138

4080

Authorized Signature(s)

2.23

Fick Owen Par

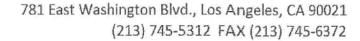
5



#### CHAIN OF CUSTODY AND ANALYSIS REQUEST

\* PRESERVATION: 1-HNO3, 2-H2SO4, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH4 Buffer, 7-Other

													FILE	NO.:_		L	AB NO.: 700 7702
CLIENT	NAME:	CITY OF	F VERNON	PROJE	CT N	AME/NO	Э.	MALB	URG GI	ENERAT	ING S	TATION	WEEKLY	P.O. 1	NO.		AIRBILL NO:
ADDRES	SS:	4963 SO	ΓΟ ST VERNON CA 90058									ANA	LYSES	REQU	EST	ED	OBSERVED TEMP:
PROJEC	T MANA	GER:	MATT RICHARDS	PHONE	NO:			FAX N	NO:								CORRECTED TEMP:
SAMPLI	ER NAMI	C:	Luis Gutierrez	SIGNA	TURE	· Tu	h	tur.									THERMO ID3
TAT (Tu	rn-Aroun	d-Time):	0=Same Day; 1=24 Hour; 2=													-	REMARKS!
CONTA	NER TY	PES: B=B	Brass; E=Encore/Easy Draw; P	=Plastic	G=G	lass; V=	VOA V	Vial; (	)=Othe	er							
UST PRO	OJECT:	Y N	GLOBAL ID#:														
SAMPLE	DATE	TIME	SAMPLE DESCRIPTION		MA	TRIX		TAT	CONT	AINER	20			1 1	- 1		SAMPLE CONDITIONS/
ID	SAMPLED	SAMPLED		WATER	SOIL	SLUDGE	OTHER		#	TYPE	TDS						CONTAINER/COMMENTS
	4/14/25	10:48	COLING TOWER BLOWDOWN	X				N	1	P	X						
														$\Box$			
														$\Box$			
													_	$\vdash$			
														$\vdash$	_		
Relinavio	hed by (S	ignature&	Namel	Dacaiya	d by (S	i Signature	& Nam	ia).			Date:		Time			SAMPI	LE DISPOSITION
rcomquis	Not by (3		rvaine).	/		2			z					:48			es returned to client? Yes No
Relinquis		ignature&	Name):	/	0.5	Signature				,,,,	Date:		Time	-		2. Sample	es will not be stored over 30 days,
																unless add	ditional storage time is requested
Relinquis	shed by (S	ignature&	Name):	Receive	d by (S	Signature	& Nam	ie):			Date:		Time	e:		3. Storage	e time requested:days,
																Ву:	Date:
SPECIA	L INSTR	UCTION	: Arrived at the lab 4//0	1/25	- 11.	:10				٦	BSERV	TEMP:	2./00	:			





April 29, 2025

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

Report No.: 2504147

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 22, 2025.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. Analytes flagged ANC are not offered by ELAP for certification. Analytes flagged ANA are offered by ELAP; however, they are not PLS certified.

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



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

#### **Certificate of Analysis**

Page 2 of 2

City of Vernon

Attn: Matt Richards

File #:74548

Report Date: 04/29/25 Submitted: 04/22/25

PLS Report No.: 2504147

4963 Soto St. Vernon, CA 90058

Phone: (323) 476-3626

FAX:(323) 476-3640

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower B	Blowdown Wat	er (250	4147-0	1) Sam	pled: 04	/22/	25 09:05 Received	: 04/22/25		- 4	
Analyte	Results	Flag	D.F.	Units	PQL		Prep/Test Method	Prepared	Analyzed	Ву	Batch
Total Dissolved Solids	4090		1	mg/L	5.0		SM 2540C	04/28/25	04/28/25	55	BD52816
1000.0000000000000000000000000000000000			_	-114		10		4.4.4.	- 1/20/20	-	

#### Quality Control Data

Analyte		Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BD5281	6		d Car				5 7 5	AT 31			MARCH.
Blank		Prepared &	Analyzed: 04	/28/25							
Total Dissolve	d Solids	ND	5.0	mg/L							
LCS		Prepared &	Analyzed: 04	/28/25							
Total Dissolve	d Solids	56.0	5.0	mg/L	50.0		112	80-120			
Duplicate	Source: 2504223-01	Prepared &	Analyzed: 04	/28/25							
Total Dissolve	d Solids	5070	5.0	mg/L		5080			0.263	5	

#### **Notes and Definitions**

NA Not Applicable

Analyte NOT DETECTED at or above the reported limit(s) ND

NR Not Reported

MDL Method Detection Limit PQL Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, LACSD No. 10138

Authorized Signature(s)

Pick Owen Parties

	<b>POSITIVE</b>
Alah	LAB SERVICE

#### CHAIN OF CUSTODY AND ANALYSIS REQUEST

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

	1	D 1 CF		~ "	
DATE:	4-224	PAGE:	_1_	OF	

NAME OF	L	AB S	ERVICE	[213] 14	5-5312	FAX [213	ij /45-63	12					FIL	E NO.:			LAB NO.: 2504147		
CLIENT	NAME:	CITY OF	PROJECT NAME/NO. MALBURG GENERATING S								TATION WEEKLY P.O.NO.					AIRBILL NO:			
ADDRES	SS:	4963 SOT	TO ST. VERNON CA 90058							AN	ALYSES	REQ	OBSERVED TEMP O 1 6						
PROJEC	T MANA	GER	PHONE NO: FAX NO:													CORRECTED TEMP: 1./ 36			
SAMPLER NAME: JOHN BARIE					SIGNATURE:												THERMO ID:		
TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=					(ETC	.) N=Nor	mal												
CONTA	INER TY	PES: B=B	Brass; E=Encore/Easy Draw; I	=Plastic	; G=0	lass; V=	VOA V	/ial; (	0=0	ther									
UST PR	OJECT:	Y N	GLOBAL ID#:																
SAMPLE DATE TIME SAMPLE DESCRIPTION									CONTAINER		SE						SAMPLE CONDITIONS/		
ID	SAMPLED	SAMPLED		WATER	SOIL	SLUDGE	OTHER		#	TYPE			-	+	-		CONTAINER/COMMENTS		
	your	0755	COOLING TOWER BLOWDOWN	X				N	1	P	X		_	+	-	-			
									-		-		-	+		-			
										+-	-		_	+-	-	-			
									-	+-	-		_	+	$\vdash$	-			
									_	-	-	$\vdash$	_	-	-	-			
					_				-	+-	-	$\vdash$	_	-	-	_			
																_			
Relinquished by (Signature& Name):				Received by (Signature & Name):							Date: ング			Time:		SAMPLE DISPOSITION  1. Samples returned to client? Yes No			
Relinquished by (Signature& Name):				Received by (Signature & Name):							Date:		Time:		Samples will not be stored over 30 days, unless additional storage time is requested				
Relinquished by (Signature& Name):				Received by (Signature & Name):							Date: T					3. Stor	3. Storage time requested:days,  By: Date:		
SPECIA	L INSTR	UCTION:	1																

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

Arrived at the lab 4.226 0950



May 05, 2025

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

Report No.: 2504227

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 28, 2025.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. Analytes flagged ANC are not offered by ELAP for certification. Analytes flagged ANA are offered by ELAP; however, they are not PLS certified.

The laboratory report may not be reproduced, 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) are provided on the final report only.

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

Page 1 of 2

Project Manager



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

#### **Certificate of Analysis**

Page 2 of 2

City of Vernon 4963 Soto St. Vernon, CA 90058 File #:74548

Report Date: 05/05/25 Submitted: 04/28/25

PLS Report No.: 2504227

Attn: Matt Richards

Phone: (323) 476-3626

FAX:(323) 476-3640

Sample ID: C	ooling Tower Blowdowr	Wate	er (250	4227-0	1) Sam	pled: 04	1/28/25	08:45 R	eceived:	04/28/25				
		ults	Flag	D.F.	Units	PQL	Pre	p/Test Met	hod	Prepared	Anal	yzed	Ву	Batch
		200		1	mg/L	5.0		SM	2540C	05/02/25	05/0	2/25	SS	BE50216
				Qı	uality	Contro	ol Data	1						
Annhan				BO!			Spike	Source	NADEC.	%REC	DDD	RPD		
Analyte		Result		PQL		Inits	Level	Result	%REC	Limits	RPD	Limit	Qualifier	
Batch BE50216				19	150	100	-	Till to	Provide de		The same		Ni	
Blank		Prepa	red & A	nalyzed:	05/02/2	.5								
Total Dissolved	Solids	ND	ND 5.0			mg/L								
LCS	LCS		Prepared & Analyzed: 05/02/25											
Total Dissolved Solids		50.0		5.0	1	mg/L	50.0	100		80-120				
Duplicate	Source: 2504227-01	Prepa	red & A	nalyzed:	05/02/2	5								
Total Dissolved Solids		4070		5.0	.0 mg/L		4200				3.11	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, LACSD No. 10138

Authorized Signature(s)

		<b>POSITIVE</b>
MA	-	LAB SERVICE

#### CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021 [213] 745-5312 FAX (213) 745-6372												DATE: 4:28:25 PAGE: OF/						
Statistical 1		10 5	LICTICE										FILE	NO.:		LAE	3 NO.: 2504227	
CLIENT NAME: CITY OF VERNON PROJECT NAME/NO. MALBURG GENERATING											TATION	WEEKLY	AIRBILL NO:					
ADDRE	SS:	4963 SO	TO ST. VERNON CA 90058									ANA	LYSES	REQUE	STED		OBSERVED TEMP OF C	
PROJECT MANAGER MATT RICHARDS					PHONE NO: FAX NO:												CORRECTED TEMP: 1.1 %	
SAMPLER NAME: JOHN BARIE					SIGNATURE:												THERMO ID: 67	
TAT (Tu	ırn-Arour	d-Time):	0=Same Day; 1=24 Hour; 2=															
CONTA	INER TY	PES: B=B	Brass; E=Encore/Easy Draw; I	P=Plastic; G=Glass; V=VOA Vial; O=Other														
	OJECT:		GLOBAL ID#:															
SAMPLE	DATE	TIME	SAMPLE DESCRIPTION			TAT	CONTAINER		ν     ω						SAMPLE CONDITIONS/			
ID	SAMPLED	WATER SOIL SLUDGE OTHER			OTHER		# TYPE		TDS					CONTAINER/COMMENTS				
	4.48-25	J845	COOLING TOWER BLOWDOWN	X				N	1	P	X							
	shed by (S	ignature&	Received by (Signature & Name):							Date:		Time:			SAMPLE DISPOSITION  1. Samples returned to client? Yes No			
Relinquished by (Signature& Name):					Received by (Signature & Name):							Date:		Time:		Samples will not be stored over 30 days, unless additional storage time is requested.		
Relinquished by (Signature& Name):					Received by (Signature & Name):						Date:		Time	Time:		3. Storage time requested:days,  By: Date:		
SPECIA	L INSTR	UCTION:																

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



May 12, 2025

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

Report No.: 2505036

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 06, 2025.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. Analytes flagged ANC are not offered by ELAP for certification. Analytes flagged ANA are offered by ELAP; however, they are not PLS certified.

The laboratory report may not be reproduced, 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) are provided on the final report only.

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

Project Manager



### **Certificate of Analysis**

Page 2 of 2

City of Vernon

Attn: Matt Richards

File #:74548

Report Date: 05/12/25 Submitted: 05/06/25

PLS Report No.: 2505036

4963 Soto St. Vernon, CA 90058

Phone: (323) 476-3626

FAX:(323) 476-3640

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower E	Blowdown Wat	er (250	5036-0	1) Sam	pled: 05	5/06/25	08:50 Received	: 05/06/25			
Analyte	Results	Flag	D.F.	Units	PQL	Prep	/Test Method	Prepared	Analyzed	Ву	Batch
Total Dissolved Solids	3800		1	mg/L	5.0		SM 2540C	05/06/25	05/07/25	SS	BE50913
			O	uality (	Contro	ol Data					

					Spike	Source		%REC		RPD	
Analyte		Result	PQL	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifier
Batch BE5091	3			THE STATE OF							
Blank		Prepared: 0	5/06/25 Ana	lyzed: 05/07	/25						
Total Dissolve	d Solids	ND	5.0	mg/L							
LCS		Prepared: 0	5/06/25 Ana	lyzed: 05/07	/25						
Total Dissolve	d Solids	51.0	5.0	mg/L	50.0		102	80-120			
Duplicate	Source: 2505026-03	Prepared: 0	5/06/25 Ana	lyzed: 05/07	/25						
Total Dissolve	d Solids	313	5.0	mg/L		310			1.07	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, LACSD No. 10138

Authorized Signature(s)

Rick Owen Parle

1	<b>POSITIVE</b>
relati	LAB SERVICE

		00	781 East Was											DATE	2.5			
WIND	L/	AB SI	ERVICE	[213] 74	3-5312	FAX (213	) <i>i</i> 45-63	112					FILE	E NO.:_		I	AB	NO.: 2 505036
CLIENT	NAME:	CITY OF	VERNON	PROJE	CT N	AME/NO	).	MALBU	RG GENE	RATING ST	FATION	WEEKLY	P.O.	NO.				AIRBILL NO:
DDRE	SS:	4963 SO	TO ST. VERNON CA 90058									ANA	LYSES	REQU	EST	ED		OBSERVED TEMP
ROJEC	CT MANA	AGER	MATT RICHARDS	PHONE	NO:			FAX I	NO:									CORRECTED TEMP:
AMPL	ER NAM	E:	JOHN BARIE	SIGNA	TURE	· L												THERMO ID:
AT (Tu	ırn-Aroui	nd-Time):	0=Same Day; 1=24 Hour; 2=	48Hour;	(ETC	.) N=Nor	mal											
CONTA	INER TY	PES: B=B	Brass; E=Encore/Easy Draw; F	=Plastic	; <b>G</b> =G	lass; V=	VOA V	/ial; (	O=Oth	er								
JST PR	OJECT:	Y N	GLOBAL ID#:															
SAMPLE	DATE	TIME	SAMPLE DESCRIPTION		MA	TRIX		TAT			SS							SAMPLE CONDITIONS/
ID	SAMPLED	SAMPLED		WATER	SOIL	SLUDGE	OTHER		#	TYPE	II			$\perp$				CONTAINER/COMMENTS
	50.4	0890	COOLING TOWER BLOWDOWN	X				N	1	P	X							
																		1
Relinqui	shed by (S	ignature&	Name):	Receive	d by (S	Signature	& Nam	e):			Date:		Tim	e:		SAMP	PLE	DISPOSITION
-	M		-	e i	5mB	ric				5	68		Dy	350		1. Samp	les ret	urned to client? Yes No
Relinqui	shed by (S	ignature&					& Nam	e):			Date:		Tim	e:		2. Samp	les wil	I not be stored over 30 days,
																unless ac	ddition	nal storage time is requested
Relingui	shed by (S	ignature&	Name):	Receive	d by (S	Signature	& Nam	e):			Date:		Tim	e:		3. Storag	ge time	e requested: days,
PROJECT MANAGER MATT RICHARDS PHONE NO: FAX NO:  CAMPLER NAME: JOHN BARIE SIGNATURE:  CAT (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#:																		
PECIA	L INSTR	UCTION:												-				
			7															

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



May 19, 2025

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

Report No.: 2505090

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 13, 2025.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. Analytes flagged ANC are not offered by ELAP for certification. Analytes flagged ANA are offered by ELAP; however, they are not PLS certified.

The laboratory report may not be reproduced, 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) are provided on the final report only.

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



### **Certificate of Analysis**

Page 2 of 2

City of Vernon

Attn: Matt Richards

File #:74548

Report Date: 05/19/25 Submitted: 05/13/25

PLS Report No.: 2505090

4963 Soto St. Vernon, CA 90058

Phone: (323) 476-3626

FAX:(323) 476-3640

Project: Malburg Generating Station Weekly

Analyte	Re	sults	Flag	D.F.	Units	PQL	Pre	p/Test Met	thod	Prepared	Anal	lyzed	Ву	Batch
Total Dissol	red Solids 4	020		1	mg/L	5.0	-	SM	2540C	05/15/25	05/1	6/25	SS	BE5161
				Qı	uality (	Contro	ol Data	ì						
		5 800					Spike	Source	1015	%REC	3-1-29	RPD	ME.	
Analyte		Resu	lt	PQL	ι	Inits	Level	Result	%REC	Limits	RPD	Limit	Q	ualifier
Batch BE5161	)		N.E						TO ST				ne m	
Blank		Prep	ared: 05	15/25	Analyzed:	05/16/	25							
Total Dissolve	Solids	ND		5.0	п	ng/L								
LCS		Prep	ared: 05	15/25	Analyzed:	05/16/	25							
Total Dissolve	1 Solids	51.0	l,	5.0	п	ng/L	50.0		102	80-120				
Duplicate	Source: 2505109-01	Prep	ared: 05	15/25	Analyzed:	05/16/	25							
Total Dissolve	d Solids	307		5.0	n	ng/L		305			0.546	5		

### **Notes and Definitions**

NA

Not Applicable

Analyte NOT DETECTED at or above the reported limit(s)

ND NR

Not Reported

MDL

Method Detection Limit

PQL

Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, LACSD No. 10138

Authorized Signature(s)

	<b>POSITIVE</b>
Allan	LAB SERVICE

.1			781 East Was			s Angeles, FAX [213]								DATI	E: <u>5</u>			AGE: OF/
2000	L	AR 21	ERVICE	[213] 143	3-3312	TAN (CIS)	1 / 40-03						FIL	E NO.:_			LAB	NO.: 2505090
CLIENT	NAME:	CITY OF	VERNON	PROJE	CT N	AME/NO	).	MALBU	RG GENEI	RATING ST	ATION	WEEKLY	P.O	.NO.				AIRBILL NO:
ADDRE	SS:	4963 SOT	TO ST. VERNON CA 90058									AN	ALYSE	S REQU	JEST	ED		OBSERVED TEMP Of C
PROJEC	CT MANA	GER	MATT RICHARDS	PHONE	NO:			FAX I	NO:									CORRECTED TEMP: 1.12
SAMPL	ER NAMI	E:	JOHN BARIE	SIGNA	TURE	: 6												THERMO ID: 67
TAT (Tu	ırn-Arour	ıd-Time):	0=Same Day; 1=24 Hour; 2=	48Hour;	(ETC.	) N=Nori	mal											
			rass; E=Encore/Easy Draw; P					ial; (	)=Oth	er								
			GLOBAL ID#:															
SAMPLE	DATE	TIME	SAMPLE DESCRIPTION			TRIX		TAT	CONT	AINER	TDS							SAMPLE CONDITIONS/
ID	SAMPLED	SAMPLED		WATER	SOIL	SLUDGE	OTHER		#	TYPE	Ţ.	_	_	1		-		CONTAINER/COMMENTS
	513.4	1405	COOLING TOWER BLOWDOWN	X				N	1	P	X	_	_	-				
												_						
					-													
		ignature&	on the second			ignature d	& Nam	e):			Date:	,	Tin			SAMI	PLE	DISPOSITION
$ \wedge$	A		J	5	Jon	Bard				57	34		08	25		1. Samp	ples ret	turned to client? Yes No
Relinqui	shed by (S	ignature&	Name):	Receive	d by (S	Signature o	& Nam	e):			Date:		Tin	ne:		2. Samp	ples wi	ill not be stored over 30 days,
																unless a	additio	nal storage time is requested
Relinqui	shed by (S	ignature&	Name):	Receive	d by (9	Signature o	& Nam	e):			Date:		Tin	ne:		3. Stora	age tim	e requested:days,
																Ву:		Date:
SPECIA	L INSTR	UCTION:																

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



June 02, 2025

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

Report No.: 2505195

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, 2025.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. Analytes flagged ANC are not offered by ELAP for certification. Analytes flagged ANA are offered by ELAP; however, they are not PLS certified.

The laboratory report may not be reproduced, 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) are provided on the final report only.

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

Project Manager



### **Certificate of Analysis**

Page 2 of 2

File #:74548

Report Date: 06/02/25 Submitted: 05/28/25

PLS Report No.: 2505195

City of Vernon 4963 Soto St.

Vernon, CA 90058 Attn: Matt Richards

Phone: (323) 476-3626

FAX:(323) 476-3640

Project: Malburg Generating Station Weekly

Sample ID: Coo	oling Tower Blowdow	n Wate	r (250	5195-0	1) San	npled: 0	5/28/25	08:00 R	eceived:	05/28/25				
Analyte	Re	sults	Flag	D.F.	Units	PQL	Pre	p/Test Met	hod	Prepared	Ana	yzed	Ву	Batch
Total Dissolved	d Solids 44	150		1	mg/L	5.0	-	SM	2540C	05/28/25	05/2	29/25	SS	BE53009
				Qı	uality	Contr	ol Data	ì						
							Spike	Source		%REC		RPD		
Analyte		Result		PQL		Units	Level	Result	%REC	Limits	RPD	Limit	Q	ualifier
Batch BE53009 -	•	POTE !			JA.	والمرواف	200	ornanie i	The same	1-71	Berlin	44		
Blank		Prepa	red: 05	28/25	Analyze	d: 05/29/	25							
Total Dissolved S	Solids	ND		5.0		mg/L								
LCS		Prepa	red: 05	28/25	Analyze	d: 05/29/	25							
Total Dissolved S	Solids	59.0		5.0		mg/L	50.0		118	80-120				
Duplicate	Source: 2505195-01	Prepa	red: 05,	28/25	Analyze	d: 05/29/	25							
Total Dissolved S	Solids	4620		5.0		mg/L		4450			3.75	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, LACSD No. 10138

Authorized Signature(s)

Fick Owen Parlie

	<b>POSITIVE</b>
MAL	LAB SERVICE

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

DATE: 528 4	PAGE:	ı	OF /	
DILLE.	_		_	

N.320	LA	AB SI	ERVICE	[213] /4	3-3312	FAX [213	5] / 45-63	112					FIL	E NO.:			LAB	NO.: 2505193
CLIENT	NAME:	CITY OF	FVERNON	PROJE	CT N	AME/NO	).	MALBU	RG GENE	RATING S	TATION	WEEKLY	P.O	.NO.				AIRBILL NO:
ADDRE	SS:	4963 SOT	TO ST. VERNON CA 90058									ANA	LYSES	REQ	UEST	ED		OBSERVED TEMP Oって
PROJEC	CT MANA	GER	MATT RICHARDS	PHONE	NO:			FAX	NO:									CORRECTED TEMP: 15%
SAMPL	ER NAMI	E:	JOHN BARIE	SIGNA	TURE	یر کو	-											THERMO ID: 67
TAT (Tu	ırn-Arour	nd-Time):	0=Same Day; 1=24 Hour; 2=	48Hour;	(ETC	.) N=Nor	mal											
CONTA	INER TY	PES: B=B	Brass; E=Encore/Easy Draw; I	Plastic	G=G	lass; V=	VOA V	/ial; (	O=Oth	er								
UST PR	OJECT:	Y N	GLOBAL ID#:															
SAMPLE	200000000000000000000000000000000000000	TIME	SAMPLE DESCRIPTION		MA	TRIX		TAT		AINER	TDS							SAMPLE CONDITIONS/
ID	SAMPLED	SAMPLED		WATER	SOIL	SLUDGE	OTHER		#	TYPE	F			-			_	CONTAINER/COMMENTS
	51828	030	COOLING TOWER BLOWDOWN	X				N	1	P	X			$\perp$				
Relinquis	shed by (S	ignature&	Name):	Receive	d by (S	Signature	& Nam	e):			Date:		Tim	ie:		SAM	PLE !	DISPOSITION
	M			In-						50	1BW		01	3ee		1. Sam	ples ret	urned to client? Yes No
Relinguis	shed by (S	ignature&				Signature	& Nam	e):			Date:		Tim					Il not be stored over 30 days,
					u 0) (.	orginatur v		-,.			Daile.							nal storage time is requested
Relinquis	shed by (S	ignature&	Namel	Deceive	d by (S	Signature	& Nam	۵).			Date:		Tim	· · ·				e requested:days,
rtomqui	and by (b	ignaturocc	rvanoj.	ICCCCIVE	a oy (a	orginature	cc rvain	<i>c)</i> .			Date.		1111			By:	age tim	Date:
SPECIA	L INSTR	UCTION:																

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



June 06, 2025

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

Report No.: 2506012

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 03, 2025.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. Analytes flagged ANC are not offered by ELAP for certification. Analytes flagged ANA are offered by ELAP; however, they are not PLS certified.

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



### **Certificate of Analysis**

Page 2 of 2

City of Vernon 4963 Soto St.

File #:74548

Report Date: 06/06/25 Submitted: 06/03/25

PLS Report No.: 2506012

Vernon, CA 90058

Attn: Matt Richards

Phone: (323) 476-3626

FAX:(323) 476-3640

Project: Malburg Generating Station Weekly

Sample ID: Cooling	g Tower Blowdown	Wa	ter (250	6012-0	11) Sam	pled: 0	5/03/25	08:00 R	eceived:	06/03/25				
Analyte	Res	ults	Flag	D.F.	Units	PQL	Pre	p/Test Met	hod	Prepared	Ana	lyzed	Ву	Batch
Total Dissolved So	ids 44	00		1	mg/L	5.0		SM	2540C	06/03/25	06/0	04/25	SS	BF50417
				Qı	uality	Contro	ol Data	1						
		5		7.			Spike	Source	TO BE	%REC		RPD	47	
Analyte		Res	ult	PQL	ι	Jnits	Level	Result	%REC	Limits	RPD	Limit	Q	ualifier
Batch BF50417		1			1572				100					
Blank		Prep	pared: 06/	03/25	Analyzed	: 06/04/	25							
Total Dissolved Solids		ND	)	5.0	r	ng/L								
LCS		Prep	pared: 06/	03/25	Analyzed	: 06/04/	25							
Total Dissolved Solids		45.	0	5.0	r	ng/L	50.0		90.0	80-120				
Duplicate S	ource: 2506012-01	Prep	pared: 06/	03/25	Analyzed	: 06/04/	25							

### **Notes and Definitions**

mg/L

4400

5.0

NA

Total Dissolved Solids

Not Applicable

Analyte NOT DETECTED at or above the reported limit(s)

4450

ND NR

Not Reported

MDL

Method Detection Limit

PQL

Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, LACSD No. 10138

Authorized Signature(s)

0.942

Rick Owen Par

5

40	<b>POSITIVE</b>
ANA.	LAB SERVICE

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

DATE 63.25	PAGE:	(_OF_/
E NO.:	LAB NO.:	2506012

FILE NO .:

CLIENT	NAME:	CITY OF	VERNON	PROJE	CT N	AME/NO	0.	MALBUI	RG GENE	RATING S	TATION	WEEKLY	P.O.	NO.				AIRBILL NO:
ADDRE	SS:	4963 SOT	ΓΟ ST. VERNON CA 90058									ANA	LYSES	REQU	JEST	ED		OBSERVED TEMP_O'j'C
PROJE	CT MANA	GER	MATT RICHARDS	PHONE	NO:			FAX N	Ю:									CORRECTED TEMP: 13°C
SAMPL	ER NAMI	E:	JOHN BARIE	SIGNA'	TURE	. G												CORRECTED TEMP: 13°C THERMO ID: 67
TAT (T	ırn-Aroun	d-Time):	0=Same Day; 1=24 Hour; 2=															
			Brass; E=Encore/Easy Draw; P					ial: (	)=Oth	er								
			GLOBAL ID#:					,										
SAMPLE		TIME	SAMPLE DESCRIPTION			TRIX		TAT	CONT	AINER	S							SAMPLE CONDITIONS/
ID	SAMPLED	SAMPLED		WATER	SOIL	SLUDGE	OTHER		#	TYPE	TDS							CONTAINER/COMMENTS
	63.25	2800	COOLING TOWER BLOWDOWN	Х				N	1	P	Х							
Relinqui	shed by (S	ignature&	Name):	Receive	d by (S	Signature	& Name	e):			Date:		Time	):		SAM	PLE	DISPOSITION
	MA		T	/ `	John	Bone					632	T	080	,د		1. Sam	ples re	turned to client? Yes No
Relinqui	shed by (Si	ignature&	Name):			Signature	& Name	e):			Date:		Time	e:		2. Sam	ples wi	ill not be stored over 30 days,
	7.05		,													1		onal storage time is requested
Relingui	shed by (S	ignature&	Name):	Receive	d by (5	Signature	& Nam	e):			Date:		Time	a:				ne requested:days,
		<u> </u>	,		/ (-	-D		·,						5.5		Ву:	- 3- ·····	Date:
SPECIA	L INSTR	UCTION:					=											

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



June 13, 2025

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

Report No.: 2506054

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 09, 2025.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. Analytes flagged ANC are not offered by ELAP for certification. Analytes flagged ANA are offered by ELAP; however, they are not PLS certified.

The laboratory report may not be reproduced, 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) are provided on the final report only.

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

Project Manager



### **Certificate of Analysis**

Page 2 of 2

City of Vernon 4963 Soto St.

File #:74548

Report Date: 06/13/25 Submitted: 06/09/25

PLS Report No.: 2506054

Vernon, CA 90058

Attn: Matt Richards

Phone: (323) 476-3626

FAX:(323) 476-3640

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower B	Slowdown Wat	er (250	6054-0	1) Sam	pled: 00	5/09/25 (	08:00 Received	: 06/09/25			
Analyte	Results	Flag	D.F.	Units	PQL	Prep,	Test Method	Prepared	Analyzed	Ву	Batch
Total Dissolved Solids	4300		1	mg/L	5.0	-	SM 2540C	06/11/25	06/12/25	SS	BF5121

Quality Control Data

			~~~	,							
Analyte		Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BF5121	5			III MELET							1246
Blank		Prepared: 0	6/11/25 Ana	lyzed: 06/12	/25						
Total Dissolve	d Solids	ND	5.0	mg/L							
LCS		Prepared: 0	6/11/25 Ana	lyzed: 06/12	/25						
Total Dissolve	d Solids	52.0	5.0	mg/L	50.0		104	80-120			
Duplicate	Source: 2506054-01	Prepared: 0	6/11/25 Ana	lyzed: 06/12	/25						
Total Dissolve	d Solids	4110	5.0	mg/L		4300			4.32	5	

### **Notes and Definitions**

NA Not Applicable

Analyte NOT DETECTED at or above the reported limit(s) ND

NR Not Reported

MDL Method Detection Limit

PQL Practical Quantitation Limit Environmental Laboratory Accreditation Program Certificate No. 1131, LACSD No. 10138

Authorized Signature(s)

Fick



DATE: 6.9.2	PAGE:	OF
	LADNO	2506054

													1 1171	J.1.O		_	LILLI	110
CLIENT	NAME:	CITY OF	VERNON	PROJE	CT N	AME/NO	).	MALBU	RG GEN	ERATING S	TATION	WEEKLY	P.O.	NO.				AIRBILL NO:
ADDRES	SS:	4963 SOT	TO ST. VERNON CA 90058									AN	ALYSES	REQU	UEST	ED		OBSERVED TEMP (٥ ن ا
PROJEC	T MANA	GER	MATT RICHARDS	PHONE	NO:			FAX	NO:									OBSERVED TEMP O 3 0 C CORRECTED TEMP: 13 0 C THERMO ID: 67
SAMPLI	ER NAMI	Σ:	JOHN BARIE	SIGNA'	TURE	:	-	,										THERMO ID: 67
TAT (Tu	rn-Arour	d-Time):	0=Same Day; 1=24 Hour; 2=	48Hour;	(ETC		-											
CONTA	NER TY	PES: B=B	Brass; E=Encore/Easy Draw; P	=Plastic	; G=G	lass; V=	VOA V	/ial; (	O=Otl	ier								
UST PRO	OJECT:	Y N	GLOBAL ID#:															
SAMPLE	DATE	TIME	SAMPLE DESCRIPTION		MA	TRIX		TAT	CON	TAINER	S					1 1		SAMPLE CONDITIONS/
ID	SAMPLED	SAMPLED		WATER	SOIL	SLUDGE	OTHER		#	TYPE	TDS			_				CONTAINER/COMMENTS
	6 928	0800	COOLING TOWER BLOWDOWN	X				N	1	P	X							
Relinquis	shed by (S	ignature&	Name):	Receive	d by (S	Signature	& Nam	e):			Date:		Tim	e:		SAM	PLE	DISPOSITION
$\wedge$	121		I	Receive J.J.	m Bort	3				6	192	5	04	Sw		1. Samp	ples re	turned to client? Yes No
Relinquis	shed by (S	ignature&	Name):	Receive	d by (§	Signature	& Nam	e):			Date:		Tim			2. Samp	ples wi	ill not be stored over 30 days,
																unless	additio	onal storage time is requested
Relinquis	shed by (S	ignature&	Name):	Receive	d by (S	Signature	& Nam	e):			Date:		Tim	e:		3. Stora	age tim	ne requested:days,
																Ву:		Date:
SPECIA	L INSTR	UCTION:																

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

Arrived at the lab \$ 9.25 094



June 20, 2025

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

Report No.: 2506115

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 17, 2025.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. Analytes flagged ANC are not offered by ELAP for certification. Analytes flagged ANA are offered by ELAP; however, they are not PLS certified.

The laboratory report may not be reproduced, 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) are provided on the final report only.

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

Project Manager



### **Certificate of Analysis**

Page 2 of 2

File #:74548

Report Date: 06/20/25 Submitted: 06/17/25

PLS Report No.: 2506115

City of Vernon 4963 Soto St. Vernon, CA 90058

Attn: Matt Richards

Phone: (323) 476-3626

FAX:(323) 476-3640

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower I	Blowdown Wat	ter (250	6115-0	1) Sam	pled: 0	6/17/25	08:00 R	eceived:	06/17/25	St. Carlo			
Analyte	Results	Flag	D.F.	Units	PQL	Pre	p/Test Met	hod	Prepared	Ana	lyzed	Ву	Batch
Total Dissolved Solids	4020		1	mg/L	5.0		SM	2540C	06/19/25	06/1	19/25	55	BF5191:
			Qı	uality (	Contr	ol Data	1						
		4 = 7		27	V	Spike	Source		%REC	The second	RPD		
Analyte	Rest	uit	PQL	U	nits	Level	Result	%REC	Limits	RPD	Limit	Q	ualifier
Batch BF51913								- Vibo					
Blank	Prep	ared & A	nalyzed:	06/19/2	5								
Total Dissolved Solids	ND		5.0		10/1								

THE RESIDENCE AND ADDRESS.											
Blank		Prepared &	Analyzed: 06	/19/25							
Total Dissolve	d Solids	ND	5.0	mg/L							
LCS		Prepared &	Analyzed: 06	/19/25							
Total Dissolve	d Solids	45.0	5.0	mg/L	50.0		90.0	80-120			
Duplicate	Source: 2506117-01	Prepared &	Analyzed: 06	/19/25							
Total Dissolve	d Solids	1490	5.0	mg/L		1550			3.72	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, LACSD No. 10138

Authorized Signature(s)

Fick Owen Parlier

THE RESERVE OF THE PERSON NAMED IN	POS	ITI	<b>VE</b>
All	LAB S	ERV	/ICE

.1.			781 East Was			s Angele: FAX (21:								DATE	61		PAGE: 1 OF	_
W.9000	_ L/	AD 3	ERVICE	[213] 74	3 3312	1 AV (C1.	3) 7 43 03						FILE	E NO.:_		LA	BNO.: 2506115	
LIENT	NAME:	CITY OF	VERNON	PROJE	CT N	AME/NO	0.	MALBU	RG GENEI	RATING ST	TATION	WEEKLY	P.O.	NO.			AIRBILL NO:	
DDRE	SS:	4963 SOT	TO ST. VERNON CA 90058									ANA	LYSES	REQU	EST	ED	OBSERVED TEMP	30
ROJEC	T MANA	GER	MATT RICHARDS	PHONE	NO:			FAX	NO:								CORRECTED TEMP:_	1.300
AMPL	ER NAMI	Е:	JOHN BARIE	SIGNA	TURE	: J	_										THERMO ID: 67	
AT (Tu	rn-Arour	nd-Time):	0=Same Day; 1=24 Hour; 2=	48Hour;	(ETC	.) N=Nor	mal											
CONTA	INER TY	PES: B=B	Brass; E=Encore/Easy Draw; P	=Plastic	; G=G	lass; V=	=VOA V	/ial; (	)=Oth	er								
ST PR	OJECT:	Y N	GLOBAL ID#:															
AMPLE	DATE	TIME	SAMPLE DESCRIPTION		MA	TRIX		TAT	CONT	AINER	S			1 1			SAMPLE CONDITIONS	i/
ID .	SAMPLED	SAMPLED		WATER	SOIL	SLUDGE	OTHER		#	TYPE	1						CONTAINER/COMME	NTS
	617.4	2800	COOLING TOWER BLOWDOWN	X				N	1	P	Х							
elinquis	shed by (S	ignature&	Name):	Receive	d by (S	Signature	& Nam	e):			Date:		Tim	e:		SAMPL	E DISPOSITION	
	MA	•	,	_								7	260	v		1. Samples	returned to client? Yes No	
Relinquis	shed by (S	ignature&	Name):				& Nam	e):					Tim	e:		2. Samples	will not be stored over 30 day	s,
																unless addi	tional storage time is requeste	d
Relinquis	NT NAME: CITY OF VERNON PROJECT NAME/NO. MALBURG GENERATING STATION WEEKLY P.O.NO. AIRBILL NO:  SESS: 4963 SOTO ST. VERNON CA 90058  ECT MANAGER MATT RICHARDS PHONE NO: FAX NO:  PLER NAME: JOHN BARIE SIGNATURE:  TUTH-Around-Time): 0=Same Day; 1=24 Hour; 2=48 Hour; (ETC.) N=Normal  TAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other  PROJECT: Y N GLOBAL ID#: ————————————————————————————————————			/s,														
																Ву:	Date:	
PECIA	L INSTR	UCTION:																

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

Arrived at the lab 6774 0857





June 30, 2025

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

Report No.: 2506180

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 23, 2025.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. Analytes flagged ANC are not offered by ELAP for certification. Analytes flagged ANA are offered by ELAP; however, they are not PLS certified.

The laboratory report may not be reproduced, 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) are provided on the final report only.

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

Project Manager



### Certificate of Analysis

Page 2 of 2

City of Vernon 4963 Soto St. Vernon, CA 90058 File #:74548 Report Date: 06/30/25

Submitted: 06/23/25

Phone: (323) 4

PLS Report No.: 2506180

Attn: Matt Richards

Phone: (323) 476-3626

FAX:(323) 476-3640

Project: Malburg Generating Station Weekly

Analyte	Results	Flag	D.F.	Units	PQL	Prej	p/Test Method	Prepared	Analyzed	Ву	Batch
Total Dissolved Solids	4100		1	mg/L	5.0	-	SM 2540C	06/26/25	06/27/25	SS	BF5272
			Q	uality (	Contro	ol Data	Ĺ				
						Spike	Source	%REC	RPD		HALE
		TAN		-	1000000	-					

Analyte		Result	PQL	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifier
Batch BF5272	0			NET STA				115/19			7 11
Blank		Prepared: 0	6/26/25 Ana	lyzed: 06/27	/25						
Total Dissolve	d Solids	ND	5.0	mg/L							
LCS		Prepared: 0	6/26/25 Ana	lyzed: 06/27	/25						
Total Dissolve	d Solids	50.0	5.0	mg/L	50.0		100	80-120			
Duplicate	Source: 2506194-02	Prepared: 0	6/26/25 Ana	lyzed: 06/27	/25						
Total Dissolve	d Solids	833	5.0	mg/L		830			0.400	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, LACSD No. 10138

Authorized Signature(s)

Fick Cover Packing

4	JF	0	SI	TI	VE
MALL	Ē	AB	SE	RV	TCE

		VB SI	FRVICE 781 East Was	hington B (213) 74!	lvd., Lo 5-5312	s Angeles FAX (213	, CA 900 IJ 745-63	21 72	1				FILE	DAT	E.6.2	3-5	P.	AGE: _ / _ OF NO.: _ 2506180
CLIENT NA	AME:	CITY OF	VERNON	PROJE	CT N.	AME/NO	).	MALBU	RG GENEI	RATING ST	TATION	WEEKLY	P.O.	NO.			- 1	AIRBILL NO:
ADDRESS:		4963 SOT	O ST. VERNON CA 90058									ANA	LYSES	REQ	UEST	ED		OBSERVED TEMP [472
PROJECT I	MANA	GER	MATT RICHARDS	PHONE	NO:	_		FAX I	NO:									OBSERVED TEMP (47~C CORRECTED TEMP: O.5*E THERMO ID:
SAMPLER NAME: JOHN BARIE SIGNATURE:																	THERMO ID:	
TAT (Turn-	TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal																	
CONTAINE	CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other																	
UST PROJECT: Y N GLOBAL ID#: SAMPLE DATE TIME SAMPLE DESCRIPTION MATRIX TAT CONTAINER																		
100000000000000000000000000000000000000	DATE MPLED	TIME SAMPLED	SAMPLE DESCRIPTION	WATER	SOIL	TRIX	OTHER	TAT	CONT #	TYPE	TDS							SAMPLE CONDITIONS/ CONTAINER/COMMENTS
6	4.28	0850	COOLING TOWER BLOWDOWN	х	1000000		-	N	1	P	x							
Relinquished by (Signature & Name):  Date: Time:  Spring:										e:				DISPOSITION urned to client? Yes No				
Relinquished by (Signature & Name):  Received by (Signature & Name):							Date:		Time	e:				Il not be stored over 30 days, nal storage time is requested				
Relinquished	Relinquished by (Signature& Name): Receive						& Name	e):			Date:		Time	e:		3. Store	age time	e requested:days,  Date:

SPECIAL INSTRUCTION:

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

Arrived at the lab 62728 09%



July 02, 2025

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

Report No.: 2506243

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 30, 2025.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. Analytes flagged ANC are not offered by ELAP for certification. Analytes flagged ANA are offered by ELAP; however, they are not PLS certified.

The laboratory report may not be reproduced, 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) are provided on the final report only.

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

U



### **Certificate of Analysis**

Page 2 of 2

City of Vernon

Attn: Matt Richards

File #:74548

Report Date: 07/02/25 Submitted: 06/30/25

PLS Report No.: 2506243

4963 Soto St. Vernon, CA 90058

Phone: (323) 476-3626

FAX:(323) 476-3640

Project: Malburg Generating Station Weekly.

Analyte	Results	Flag	D.F.	Units	PQL	Pre	p/Test Met	hod	Prepared	Anal	yzed	Ву	Batch
Total Dissolved Solids	3800		1	mg/L	5.0	-	SM	2540C	07/02/25	07/0	2/25	SS	BG5021
			Qı	uality (	Contro	ol Data	1						
					146	Spike	Source		%REC		RPD		
Analyte	Resu	lt	PQL	U	Inits	Level	Result	%REC	Limits	RPD	Limit	O	ualifier

Batch BG5021	7						237				
Blank		Prepared &	Analyzed: 07	/02/25			A Print Land		A Lander	1 700	
Total Dissolve	d Solids	ND	5.0	mg/L							
LCS ·		Prepared &	Analyzed: 07	/02/25							
Total Dissolve	d Solids	41.0	5.0	mg/L	50.0		82.0	80-120			
Duplicate	Source: 2506243-01	Prepared &	Analyzed: 07	/02/25							
Total Dissolved Solids		3850	5.0	mg/L		3800			1.26	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, LACSD No. 10138

Authorized Signature(s)

	<b>POSITIVE</b>
AIA.A	LAB SERVICE

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

DATE: 63	25 PAGE:	/_ OF/
FILE NO.:	LAB NO.:	2506243
P.O.NO.	AIRBII	L NO:
YSES REQUESTE	D OBSER	VED TEMP 1.5°C
	CORRE	CCTED TEMP: O. 50
		10 ID: 67
1 1 1 1		
1 1 1 1		

CLIENT	ENT NAME: CITY OF VERNON PROJECT NAME/NO. MALBURG GENERATING STATION WEEKLY P.O.NO.							AIRBILL NO:										
ADDRE	SS:	4963 SO	TO ST. VERNON CA 90058									A	NALY	SES R	EQU	EST	ED	OBSERVED TEMP 1.5°C
PROJE	CT MANA	AGER	MATT RICHARDS	PHONE				FAX I	NO:									CORRECTED TEMP: O. 50
SAMPL	ER NAM	E:	JOHN BARIE	SIGNA	TURE	.~												THERMO ID: 67
TAT (To	ırn-Aroui	nd-Time):	0=Same Day; 1=24 Hour; 2=				rmal											
CONTA	INER TY	PES: B=E	Brass; E=Encore/Easy Draw; I	=Plastic	; G=0	Glass; V=	=VOA V	/ial; (	O=Oth	er								
UST PR	OJECT:	Y N	GLOBAL ID#:															
SAMPLE DATE TIME SAMPLE DESCRIPTIO					_	TRIX	I	TAT		AINER	TDS							SAMPLE CONDITIONS/
ID	SAMPLED	SAMPLED		WATER	SOIL	SLUDGE	OTHER		#	TYPE			-		-			CONTAINER/COMMENTS
_	20,5	0835	COOLING TOWER BLOWDOWN	X				N	1	P	X			-	$\rightarrow$		-	
															_			
															_			
Relinqui	shed by (S	ignature&	Name):	Receive	d by (S	Signature	& Nam	e):			Date:	:		Time:			SAMP	LE DISPOSITION
1	A		T	Jun	Soure.					63	015		0	835			1. Sample	es returned to client? Yes No
Relingui	shed by (S	ignature&				Sionature	& Nam	e)·			Date			Time:				es will not be stored over 30 days,
				Received by (Signature & Name):							2000							Iditional storage time is requested
Relinquished by (Signature & Name): Received by (Signature & N				0- NI	٠)،			Doto			Time			is constraint and	es emissión troporoquidant e Torroscolator (nel 10 10 40 20 decembro 14)			
Kennqui	sned by (S	ngnaturea	ivame).	Receive	a by (	Signature	& Nam	e):			Date	5		Time:				e time requested:days,
$\vdash$						_					_	_	_				Ву:	Date:
ISPECIA	L INSTR	UCTION	:															

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

Arrived at the lab 630-W 0857

# **Appendix C Operation Logs**

# Malburg Generating Station Appendix C, Table 1 Combustion Turbine Generator (CTG) Startup and Shutdown Events During Quarter 2, 2025

### CTG 1

Date	Event Type [1]	Event Start	Event End	Duration (hrs:min)
5/1/2025	Stop	07:02	07:10	0:08
5/14/2025	Cold Start	17:43	19:02	1:19
5/16/2025	Stop	23:00	23:05	0:05
5/22/2025	Cold Start	14:16	15:48	1:32
6/24/2025	Stop	21:57	22:06	0:09
6/28/2025	Cold Start	00:10	01:33	1:23

### CTG 2

Date	Event Type [1]	Event Start	Event End	Duration (hrs:min)
4/30/2025	Cold Start	17:42	18:59	1:17
5/14/2025	Stop	20:58	21:06	0:08
6/24/2025	Cold Start	17:31	18:50	1:19
6/27/2025	Trip/Shutdown	22:38	22:38	0:00

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

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Malburg Generating Station Appendix C, Table 2 Diesel Firewater Pump Testing Times During Quarter 2, 2025

Date	Time (hh:mm)	Start Hours	End Hours	Event Type	Hours of Operation
4/1/2025	11:52	418.8	419.3	Testing	0.5
4/8/2025	7:26	419.3	419.8	Testing	0.5
4/15/2025	13:12	419.8	420.3	Testing	0.5
4/22/2025	11:00	420.3	420.8	Testing	0.5
4/29/2025	11:30	420.8	421.3	Testing	0.5
5/6/2025	9:05	421.3	421.8	Testing	0.5
5/23/2025 <sup>[1]</sup>	10:52		422.0	Testing	0.2
5/27/2025	10:21	422.0	422.5	Testing	0.5
6/3/2025	5:28	422.5	423.0	Testing	0.5
6/10/2025	9:03	423.0	423.5	Testing	0.5
6/17/2025	10:21	423.5	424.0	Testing	0.5
6/24/2025	12:37	424.0	424.5	Testing	0.5

<sup>[1]</sup> A test was conducted on May 23, 2025 by the fire protection system supplier during the plant's scheduled spring outage. Only the meter reading after the test is available.

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# Appendix D Diesel Fuel Oil Purchase Records



SC Commercial, LLC, DBA SC Fuels

PO BOX 14237

(888) 723-8357

ORANGE, CA 92863-1237

### SALES ORDER/DELIVERY TICKET

ORDER NUMBER: OD-0000163065

Page: 1 of 2

TERMS NET 30 DAYS SALES REP: TODD CRIPPS PHONE: (714) 938-5714

PO# 250060

SCHEDULED DELIVERY FROM: 03/18/2025 12:00AM

SCHEDULED DELIVERY TO:

SHIP VIA: SC COMMERCIAL (LUBES)

WHSE WH - SANTA FE SPRINGS

### PLEASE REMIT ALL PAYMENTS TO:

PO BOX 14237 ORANGE, CA 92863-1237

ACCT NO (Bill-to) 10001045

CITY OF VERNON 4305 SANTA FE AVE ATTN: DEPARTMENT D Los Angeles, CA 90058

ACCT NO (Ship-to) 220001

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

HM ITEM CODE	ITEM DESCRIPTION	QTY ORDERED	QTY DEL	PACKAGE DESC	EXTENDED QTY	
O:TODD/POC:I	ROB 323-583-8811 X257/HF	RS:8A-2P				
	МТО		7			
	R99 RENEWABLE DSL DYED	2.00	5	5 GAL DRUM	110.00 GALS	

X UN1202 (NA1993), DIESEL FUEL, 3,PG III - 15PPM OR LESS SULFUR. CARB DYED DIESEL. NONTAXABLE USE ONLY, PENALITY FOR TAXABLE USE MAY CONTAIN UP TO 5% BIODIESEL.

250054981	CH GST ADVANTAGE EP 32	1.0055 GAL DRUM	55.00 GALS
DRUMDEPOSIT	DRUM DEPOSIT	3.00	3.00
RCF LUBES	REG COMPLIANCE FEE	1.00	1.00
FSC LUBES	FUEL SURCHARGE LUBES	1.00	1.00

### SALES ORDER/DELIVERY TICKET

ORDER NUMBER: OD-0000163065

Page: 2 of 2

# www.SCFuels.com "Your Single Choice for Petroleum Products" 24-HOUR EMERGENCY RESPONSE CALL CHEMTREC 1-800-424-9300

Received by	The Customer signature	Date:	3/11/25	Arrived Destination	1.24	AM PM		
Printed Name	customer first and last name			Completed	1:36	AM PM		
				+				
Driver's Signature	Ann			Truck #	924			
J.g.iaturo				Drum Credit				

www.scfuels.com

### FOR CHEMICAL EMERGENCY

THIS IS TO CERTIFY THAT THE
ABOVE NAME MATERIALS ARE
PROPERLY CLASSIFIED,
DESCRIBED, PACKAGED,
MARKED AND LABELED AND
ARE IN PROPER CONDITION FOR
TRANSPORTATION ACCORDING
TO APPLICABLE REGULATIONS
OF THE DEPARTMENT OF
TRANSPORTATION

# **Appendix E Excess Emission Reports**

### U1 CO Startup/Shutdown

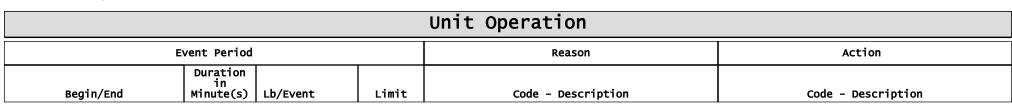
From: 04/01/2025 00:00 To: 06/30/2025 23:59 Facility Name: Malburg Generating Station

Generated: 07/16/2025 08:40 Location: Vernon, California

Tag Name: U1\_CO\_LbPerHr\_1M SI = SampleInvalid, \* = Excess Emission

Total Operating Time: 1,652.27 Hours

Non-Operating Time: 531.73 Hours Report Time: 2,184.00 Hours



No excess emissions were found in the reporting period.



### U1 CO Startup/Shutdown

From: 04/01/2025 00:00 To: 06/30/2025 23:59 Facility Name: Malburg Generating Station

Generated: 07/16/2025 08:40 Location: Vernon, California

Tag Name: U1\_CO\_LbPerHr\_1M SI = SampleInvalid, \* = Excess Emission

Total Operating Time: 1,652.27 Hours

Non-Operating Time: 531.73 Hours Report Time: 2,184.00 Hours

No invalid events were found in the reporting period.



### U1 NOx Startup/Shutdown

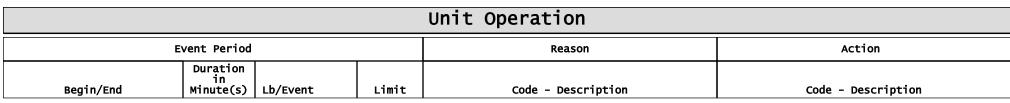
From: 04/01/2025 00:00 To: 06/30/2025 23:59 Facility Name: Malburg Generating Station

Generated: 07/16/2025 08:41 Location: Vernon, California

Tag Name: U1\_NOxRECLM\_LbPerHr\_1M SI = SampleInvalid, \* = Excess Emission

Total Operating Time: 1,652.27 Hours

Non-Operating Time: 531.73 Hours Report Time: 2,184.00 Hours



No excess emissions were found in the reporting period.



### U1 NOx Startup/Shutdown

From: 04/01/2025 00:00 To: 06/30/2025 23:59 Facility Name: Malburg Generating Station

Generated: 07/16/2025 08:41 Location: Vernon, California

Tag Name: U1\_NOxRECLM\_LbPerHr\_1M SI = SampleInvalid, \* = Excess Emission

Total Operating Time: 1,652.27 Hours

Non-Operating Time: 531.73 Hours Report Time: 2,184.00 Hours





### U1 VOC Startup/Shutdown

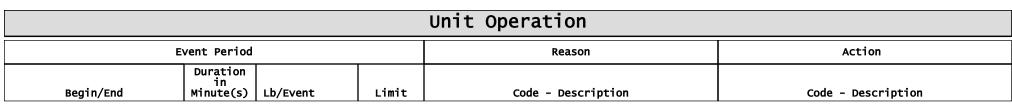
From: 04/01/2025 00:00 To: 06/30/2025 23:59 Facility Name: Malburg Generating Station

Generated: 07/16/2025 08:43 Location: Vernon, California

Tag Name: U1\_VOC\_LbPerHr\_1M SI = SampleInvalid, \* = Excess Emission

Total Operating Time: 1,652.27 Hours

Non-Operating Time: 531.73 Hours Report Time: 2,184.00 Hours



No excess emissions were found in the reporting period.



# Startup/Shutdown Excess Emissions Report

## U1 VOC Startup/Shutdown

From: 04/01/2025 00:00 To: 06/30/2025 23:59 Facility Name: Malburg Generating Station

Generated: 07/16/2025 08:43 Location: Vernon, California

Tag Name: U1\_VOC\_LbPerHr\_1M SI = SampleInvalid, \* = Excess Emission

Total Operating Time: 1,652.27 Hours

Non-Operating Time: 531.73 Hours Report Time: 2,184.00 Hours





Unit 1 - CO ppmvdc 1-hour during Normal Operation

From: 04/01/2025 00:00 To: 06/30/2025 23:59 Facility Name: Malburg Generating Station

Generated: 07/16/2025 08:44 Location: Vernon, California



Tag Name: U1\_CONormal\_Ppmvdc\_1H

Total Operating Time: 1,656.00 Hour(s)

No Exclusions Allowed

Non-Operating Time: 528.00 Hour(s) Report Time: 2,184.00 Hour(s)

Total Operating Time:	1,656.00 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 %

Unit 1 - NOx ppmvdc 1-hour during Normal Operation

From: 04/01/2025 00:00 To: 06/30/2025 23:59 Facility Name: Malburg Generating Station

Generated: 07/16/2025 08:45 Location: Vernon, California



Tag Name: U1\_NOxNormal\_Ppmvdc\_1H

Total Operating Time: 1,656.00 Hour(s)

No Exclusions Allowed

Non-Operating Time: 528.00 Hour(s) Report Time: 2,184.00 Hour(s)

Total Operating Time:	1,656.00 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 %

Unit 1 - VOC ppmvdc 1-hour during Normal Operation

From: 04/01/2025 00:00 To: 06/30/2025 23:59 Facility Name: Malburg Generating Station

Generated: 07/16/2025 08:45 Location: Vernon, California



Tag Name: U1\_VOCNormal\_Ppmvdc\_1H

Total Operating Time: 1,656.00 Hour(s)

No Exclusions Allowed

Non-Operating Time: 528.00 Hour(s) Report Time: 2,184.00 Hour(s)

Total Operating Time:	1,656.00 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 %

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

From: 04/01/2025 00:00 To: 06/30/2025 23:59 Facility Name: Malburg Generating Station

Generated: 07/16/2025 08:46 Location: Vernon, California



Tag Name: U1\_CO\_3HrRoll\_Ppmvdc\_1H

Total Operating Time: 1,656.00 Hour(s)

No Exclusions Allowed

Non-Operating Time: 528.00 Hour(s) Report Time: 2,184.00 Hour(s)

Total Operating Time:	1,656.00 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: 04/01/2025 00:00 To: 06/30/2025 23:59 Facility Name: Malburg Generating Station

Generated: 07/16/2025 08:46 Location: Vernon, California



Tag Name: U1\_NOx4H\_Ppmvdc\_1H

Total Operating Time: 1,656.00 Hour(s)

No Exclusions Allowed

Non-Operating Time: 528.00 Hour(s) Report Time: 2,184.00 Hour(s)

Total Operating Time:	1,656.00 Hour(s)
Total Duration (Online only): Time in exceedance as a percentage of operating time:	0.00 Hour(s) 0.00 %
Time in compliance as a percentage of operating time:	100.00 %

#### U2 CO Startup/Shutdown Events

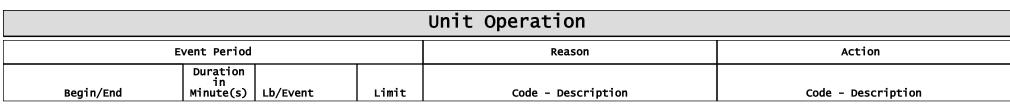
From: 04/01/2025 00:00 To: 06/30/2025 23:59 Facility Name: Malburg Generating Station

Generated: 07/16/2025 08:47 Location: Vernon, California

Tag Name: U2\_CO\_LbPerHr\_1M SI = SampleInvalid, \* = Excess Emission

Total Operating Time: 416.55 Hours

Non-Operating Time: 1,767.45 Hours Report Time: 2,184.00 Hours



No excess emissions were found in the reporting period.



### U2 CO Startup/Shutdown Events

From: 04/01/2025 00:00 To: 06/30/2025 23:59 Facility Name: Malburg Generating Station

Generated: 07/16/2025 08:47 Location: Vernon, California

Tag Name: U2\_CO\_LbPerHr\_1M SI = SampleInvalid, \* = Excess Emission

Total Operating Time: 416.55 Hours

Non-Operating Time: 1,767.45 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

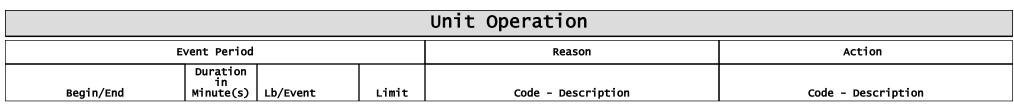
From: 04/01/2025 00:00 To: 06/30/2025 23:59 Facility Name: Malburg Generating Station

Generated: 07/16/2025 08:48 Location: Vernon, California

Tag Name: U2\_NOxRECLM\_LbPerHr\_1M SI = SampleInvalid, \* = Excess Emission

Total Operating Time: 416.55 Hours

Non-Operating Time: 1,767.45 Hours Report Time: 2,184.00 Hours



No excess emissions were found in the reporting period.



1

# Startup/Shutdown Excess Emissions Report

### U2 NOx Startup/Shutdown

From: 04/01/2025 00:00 To: 06/30/2025 23:59 Facility Name: Malburg Generating Station

Generated: 07/16/2025 08:48 Location: Vernon, California

Tag Name: U2\_NOxRECLM\_LbPerHr\_1M SI = SampleInvalid, \* = Excess Emission

Total Operating Time: 416.55 Hours

Non-Operating Time: 1,767.45 Hours Report Time: 2,184.00 Hours

No invalid events were found in the reporting period.



### U2 VOC Startup/Shutdown Events

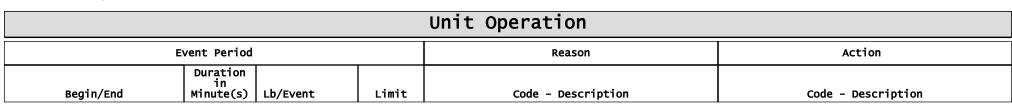
From: 04/01/2025 00:00 To: 06/30/2025 23:59 Facility Name: Malburg Generating Station

Generated: 07/16/2025 08:49 Location: Vernon, California

Tag Name: U2\_VOC\_LbPerHr\_1M SI = SampleInvalid, \* = Excess Emission

Total Operating Time: 416.55 Hours

Non-Operating Time: 1,767.45 Hours Report Time: 2,184.00 Hours



No excess emissions were found in the reporting period.



### U2 VOC Startup/Shutdown Events

From: 04/01/2025 00:00 To: 06/30/2025 23:59 Facility Name: Malburg Generating Station

Generated: 07/16/2025 08:49 Location: Vernon, California

Tag Name: U2\_VOC\_LbPerHr\_1M SI = SampleInvalid, \* = Excess Emission

Total Operating Time: 416.55 Hours

Non-Operating Time: 1,767.45 Hours Report Time: 2,184.00 Hours

No invalid events were found in the reporting period.



Unit 2 - CO ppmvdc 1-hour during Normal Operation

From: 04/01/2025 00:00 To: 06/30/2025 23:59 Facility Name: Malburg Generating Station

Generated: 07/16/2025 08:50 Location: Vernon, California



Tag Name: U2\_CONormal\_Ppmvdc\_1H

Total Operating Time: 419.00 Hour(s)

No Exclusions Allowed

Non-Operating Time: 1,765.00 Hour(s) Report Time: 2,184.00 Hour(s)

Total Operating Time:	419.00 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 %

Unit 2 - NOx ppmvdc 1-hour during Normal Operation

From: 04/01/2025 00:00 To: 06/30/2025 23:59 Facility Name: Malburg Generating Station

Generated: 07/16/2025 08:50 Location: Vernon, California



Tag Name: U2\_NOxNormal\_Ppmvdc\_1H

Total Operating Time: 419.00 Hour(s)

No Exclusions Allowed

Non-Operating Time: 1,765.00 Hour(s) Report Time: 2,184.00 Hour(s)

Total Operating Time:	419.00 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 %

Unit 2 - VOC ppmvdc 1-hour during Normal Operation

From: 04/01/2025 00:00 To: 06/30/2025 23:59 Facility Name: Malburg Generating Station

Generated: 07/16/2025 08:51 Location: Vernon, California



Tag Name: U2\_VOCNormal\_Ppmvdc\_1H

Total Operating Time: 419.00 Hour(s)

No Exclusions Allowed

Non-Operating Time: 1,765.00 Hour(s) Report Time: 2,184.00 Hour(s)

Total Operating Time:	419.00 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 %

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

From: 04/01/2025 00:00 To: 06/30/2025 23:59 Facility Name: Malburg Generating Station

Generated: 07/16/2025 08:51 Location: Vernon, California



Tag Name: U2\_CO\_3HrRoll\_Ppmvdc\_1H

Total Operating Time: 419.00 Hour(s)

No Exclusions Allowed

Non-Operating Time: 1,765.00 Hour(s) Report Time: 2,184.00 Hour(s)

Total Operating Time:	419.00 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: 04/01/2025 00:00 To: 06/30/2025 23:59 Facility Name: Malburg Generating Station

Generated: 07/16/2025 08:52 Location: Vernon, California



Tag Name: U2\_NOx4H\_Ppmvdc\_1H

Total Operating Time: 419.00 Hour(s)

No Exclusions Allowed

Non-Operating Time: 1,765.00 Hour(s) Report Time: 2,184.00 Hour(s)

Total Operating Time:	419.00 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 %