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City of VERNON CALIFORNIA

October 30, 2025

NOTICE OF INTENT TO FILE
2025 Q3 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 July 1, 2025, through September 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 Q3 Compliance Report

Jacobs

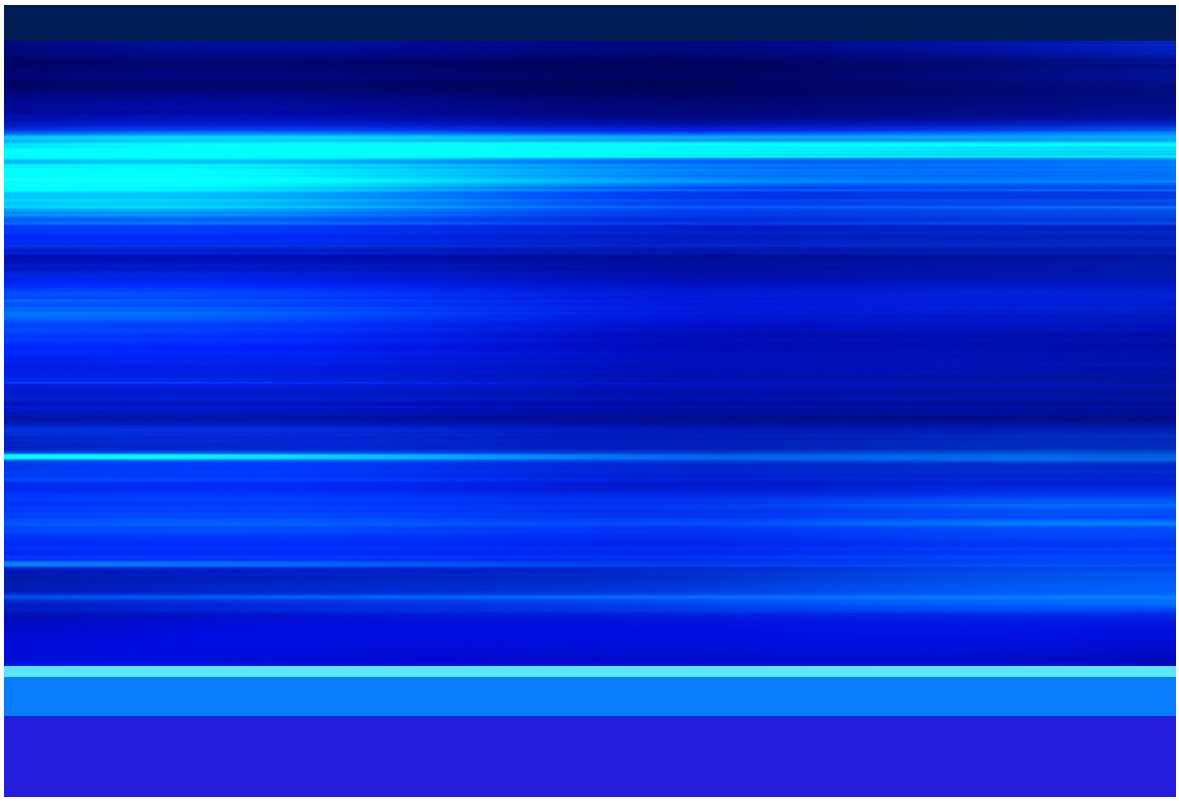
Malburg Generating Station Quarterly Compliance Report (Third Quarter 2025)

Submitted to
California Energy Commission

Submitted by
City of Vernon, Public Utilities Department

Document no: 251029104445_c9682e07

October 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_3	ammonia
NOx	nitrogen oxides
PM_{10}	particulate matter with aerodynamic diameter less than or equal to 10 microns
$PM_{2.5}$	particulate matter with aerodynamic diameter less than or equal to 2.5 microns
ppm	parts per million
ppmv	parts per million by volume
ppmw	parts per million by weight
QCR	Quarterly Compliance Report
SOx	sulfur oxides
STG	steam turbine generator
TDS	total dissolved solids
TN	Transaction Number
VOC	volatile organic compound

1. Introduction

This Quarterly Compliance Report (QCR) has been prepared to meet the California Energy Commission's (CEC) quarterly reporting requirements for the Malburg Generating Station (MGS). This QCR fulfills various Conditions of Certification (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 third 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_{10}) emissions from cooling tower operation during the third 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 third 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 third quarter of 2025, including the duration and date of occurrence, are provided in Appendix C, Table 1.

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 third 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_{10}, particulate matter with aerodynamic diameter less than or equal to 2.5 microns ($PM_{2.5}$), VOC, and SOx from CTG and duct burner operation during the third 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_3 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_3 emissions are also calculated via the CEMS on an hourly basis and compared to the NH_3 concentration limit of 5 ppm as an indicator of process functionality.

Condition of Certification	Response
AQ-13	See the response for COC AQ-C11. Additionally, the most recent triennial compliance source tests 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 0.57 lb/hr and 0.0007 gr/scf for CTG 2). CTG 1 was most recently tested in July 2022; the next triennial compliance source test for CTG 1 is scheduled for November 2025 and will be conducted per the protocol submitted on May 23, 2025. CTG 2 was most recently tested on August 19 and 20, 2025; the test report with results was submitted to the CEC on September 29, 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.

Appendix A
MGS Emission Calculations

Malburg Generating Station
Quarterly Compliance Report
Appendix A, Table 1

Reporting Period: **Quarter 3 2025**

Table 1. Quarterly Emissions - July 1, 2025 through September 30, 2025

Source	Quarterly Emissions (lb/quarter)					
	NOx	CO	VOC	SOx	$PM_{10}/PM_{2.5}$	NH_3
CTG 1 & Duct Burner	2,224	1,043	447	81	1,744	2,675
CTG 2 & Duct Burner	3,855	1,272	842	151	3,291	5,062
Cooling Tower	--	--	--	--	122	--
Diesel Firewater Pump	37	1.07	0.27	0.02	0.24	0.06
Total	**6,116**	**2,317**	**1,290**	**231**	**5,157**	**7,737**

Malburg Generating Station
Quarterly Compliance Report
Appendix A, Table 2

Reporting Period: **Quarter 3 2025**

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

Sampling Period		
Start Date	End Date	TDS (ppm)
6/30/2025	7/6/2025	3,800
7/7/2025	7/13/2025	3,940
7/14/2025	7/20/2025	3,860
7/21/2025	7/27/2025	4,500
7/28/2025	8/3/2025	3,740
8/4/2025	8/10/2025	4,090
8/11/2025	8/17/2025	4,020
8/18/2025	8/24/2025	3,900
8/25/2025	8/31/2025	4,220
9/1/2025	9/7/2025	4,320
9/8/2025	9/14/2025	4,220
9/15/2025	9/21/2025	4,200
9/22/2025	9/28/2025	4,060
9/29/2025	10/5/2025	4,050

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

Malburg Generating Station
Quarterly Compliance Report
Appendix A, Table 3

Reporting Period: July 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

Sample Date	Period		TDS (ppm)
	Start Date	End Date	
6/30/2025	6/30/2025	7/6/2025	3,800
7/11/2025	7/7/2025	7/13/2025	3,940
7/16/2025	7/14/2025	7/20/2025	3,860
7/22/2025	7/21/2025	7/27/2025	4,500
7/28/2025	7/28/2025	8/3/2025	3,740

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

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

Constants

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

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

[2] Per COC AQ-C4.

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

Cooling Tower Daily PM_{10} Emissions

Date	Circulation Rate (gal/day) [1]	TDS (ppm)	PM_{10} Emissions (lb/day)	Above 6.2 lb/day PM_{10} Limit? [2]
7/1/2025	38,880,000	3,800	1.23	No
7/2/2025	38,880,000	3,800	1.23	No
7/3/2025	38,880,000	3,800	1.23	No
7/4/2025	38,880,000	3,800	1.23	No
7/5/2025	38,880,000	3,800	1.23	No
7/6/2025	38,880,000	3,800	1.23	No
7/7/2025	38,880,000	3,940	1.28	No
7/8/2025	38,880,000	3,940	1.28	No
7/9/2025	38,880,000	3,940	1.28	No
7/10/2025	38,880,000	3,940	1.28	No
7/11/2025	38,880,000	3,940	1.28	No
7/12/2025	38,880,000	3,940	1.28	No
7/13/2025	38,880,000	3,940	1.28	No
7/14/2025	38,880,000	3,860	1.25	No
7/15/2025	38,880,000	3,860	1.25	No
7/16/2025	38,880,000	3,860	1.25	No
7/17/2025	38,880,000	3,860	1.25	No
7/18/2025	38,880,000	3,860	1.25	No
7/19/2025	38,880,000	3,860	1.25	No
7/20/2025	38,880,000	3,860	1.25	No
7/21/2025	38,880,000	4,500	1.46	No
7/22/2025	38,880,000	4,500	1.46	No
7/23/2025	38,880,000	4,500	1.46	No
7/24/2025	38,880,000	4,500	1.46	No
7/25/2025	38,880,000	4,500	1.46	No
7/26/2025	38,880,000	4,500	1.46	No
7/27/2025	38,880,000	4,500	1.46	No
7/28/2025	38,880,000	3,740	1.21	No
7/29/2025	38,880,000	3,740	1.21	No
7/30/2025	38,880,000	3,740	1.21	No
7/31/2025	38,880,000	3,740	1.21	No

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

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

Malburg Generating Station
Quarterly Compliance Report
Appendix A, Table 4

Reporting Period: **August 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

Sample Date	Period		TDS (ppm)
	Start Date	End Date	
7/28/2025	7/28/2025	8/3/2025	3,740
8/5/2025	8/4/2025	8/10/2025	4,090
8/12/2025	8/11/2025	8/17/2025	4,020
8/22/2025	8/18/2025	8/24/2025	3,900
8/25/2025	8/25/2025	8/31/2025	4,220

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

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

Constants

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

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

[2] Per COC AQ-C4.

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

Cooling Tower Daily PM_{10} Emissions

Date	Circulation Rate (gal/day) [1]	TDS (ppm)	PM_{10} Emissions (lb/day)	Above 6.2 lb/day PM_{10} Limit? [2]
8/1/2025	38,880,000	3,740	1.21	No
8/2/2025	38,880,000	3,740	1.21	No
8/3/2025	38,880,000	3,740	1.21	No
8/4/2025	38,880,000	4,090	1.33	No
8/5/2025	38,880,000	4,090	1.33	No
8/6/2025	38,880,000	4,090	1.33	No
8/7/2025	38,880,000	4,090	1.33	No
8/8/2025	38,880,000	4,090	1.33	No
8/9/2025	38,880,000	4,090	1.33	No
8/10/2025	38,880,000	4,090	1.33	No
8/11/2025	38,880,000	4,020	1.30	No
8/12/2025	38,880,000	4,020	1.30	No
8/13/2025	38,880,000	4,020	1.30	No
8/14/2025	38,880,000	4,020	1.30	No
8/15/2025	38,880,000	4,020	1.30	No
8/16/2025	38,880,000	4,020	1.30	No
8/17/2025	38,880,000	4,020	1.30	No
8/18/2025	38,880,000	3,900	1.26	No
8/19/2025	38,880,000	3,900	1.26	No
8/20/2025	38,880,000	3,900	1.26	No
8/21/2025	38,880,000	3,900	1.26	No
8/22/2025	38,880,000	4,020	1.30	No
8/23/2025	38,880,000	4,020	1.30	No
8/24/2025	38,880,000	4,020	1.30	No
8/25/2025	38,880,000	4,220	1.37	No
8/26/2025	38,880,000	4,220	1.37	No
8/27/2025	38,880,000	4,220	1.37	No
8/28/2025	38,880,000	4,220	1.37	No
8/29/2025	38,880,000	4,220	1.37	No
8/30/2025	38,880,000	4,220	1.37	No
8/31/2025	38,880,000	4,220	1.37	No

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

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

Malburg Generating Station
Quarterly Compliance Report
Appendix A, Table 5

Reporting Period: **September 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

Sample Date	Period		TDS (ppm)
	Start Date	End Date	
8/25/2025	8/25/2025	8/31/2025	4,220
9/3/2025	9/1/2025	9/7/2025	4,320
9/8/2025	9/8/2025	9/14/2025	4,220
9/17/2025	9/15/2025	9/21/2025	4,200
9/22/2025	9/22/2025	9/28/2025	4,060
9/29/2025	9/29/2025	10/5/2025	4,050

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

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

Constants

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

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

[2] Per COC AQ-C4.

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

Cooling Tower Daily PM_{10} Emissions

Date	Circulation Rate (gal/day) [1]	TDS (ppm)	PM_{10} Emissions (lb/day)	Above 6.2 lb/day PM_{10} Limit? [2]
9/1/2025	38,880,000	4,320	1.40	No
9/2/2025	38,880,000	4,400	1.43	No
9/3/2025	38,880,000	4,400	1.43	No
9/4/2025	38,880,000	4,400	1.43	No
9/5/2025	38,880,000	4,400	1.43	No
9/6/2025	38,880,000	4,320	1.40	No
9/7/2025	38,880,000	4,320	1.40	No
9/8/2025	38,880,000	4,220	1.37	No
9/9/2025	38,880,000	4,220	1.37	No
9/10/2025	38,880,000	4,220	1.37	No
9/11/2025	38,880,000	4,220	1.37	No
9/12/2025	38,880,000	4,220	1.37	No
9/13/2025	38,880,000	4,220	1.37	No
9/14/2025	38,880,000	4,220	1.37	No
9/15/2025	38,880,000	4,200	1.36	No
9/16/2025	38,880,000	4,200	1.36	No
9/17/2025	38,880,000	4,200	1.36	No
9/18/2025	38,880,000	4,200	1.36	No
9/19/2025	38,880,000	4,200	1.36	No
9/20/2025	38,880,000	4,200	1.36	No
9/21/2025	38,880,000	4,200	1.36	No
9/22/2025	38,880,000	4,060	1.32	No
9/23/2025	38,880,000	4,060	1.32	No
9/24/2025	38,880,000	4,060	1.32	No
9/25/2025	38,880,000	4,060	1.32	No
9/26/2025	38,880,000	4,060	1.32	No
9/27/2025	38,880,000	4,060	1.32	No
9/28/2025	38,880,000	4,060	1.32	No
9/29/2025	38,880,000	4,050	1.31	No
9/30/2025	38,880,000	4,050	1.31	No

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

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

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

Reporting Period: Quarter 3 2025

Table 6. Monthly Turbine-Duct Burner Fuel Flow

Source	July		August		September	
	Fuel Flow (MMscf/month) [1]	Above 405 MMscf/month Limit? [2]	Fuel Flow (MMscf/month) [1]	Above 405 MMscf/month Limit? [2]	Fuel Flow (MMscf/month) [1]	Above 405 MMscf/month Limit? [2]
CTG 1	53.5		50.8		182	
CTG 1 Duct Burner	0.14		0.88		3.04	
Total CTG 1 & Duct Burner	**53.7**	**No**	**51.6**	**No**	**185**	**No**
CTG 2	203		247		88.2	
CTG 2 Duct Burner	0.17		6.51		2.53	
Total CTG 2 & Duct Burner	**203**	**No**	**254**	**No**	**90.7**	**No**

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

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

Table 7. Monthly Emissions - July 2025

Source	Monthly Emissions (lb/month) [1]					
	NOx [2]	CO	VOC	SOx	$PM_{10}/PM_{2.5}$	NH_3 [3]
CTG 1 & Duct Burner	420	179	83	15	323	490
CTG 2 & Duct Burner	1,416	460	312.4	55.6	1,220	1,848
Monthly Emission Limits [4]	N/A	7,633	3,236	227	4,876	N/A
Exceeds Limit?	N/A	No	No	No	No	N/A

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

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

[3] Monthly NH_3 emissions are calculated using monthly fuel usage and default emission factors from the SCAQMD's AER 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.

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

Table 8. Monthly Emissions - August 2025

Source	Monthly Emissions (lb/month) [1]					
	NOx [2]	CO	VOC	SOx	$PM_{10}/PM_{2.5}$	NH_3 [3]
CTG 1 & Duct Burner	451	343	80	15	311	478
CTG 2 & Duct Burner	1,751	527	390	70	1,525	2,366
Monthly Emission Limits [4]	N/A	7,633	3,236	227	4,876	N/A
Exceeds Limit?	N/A	No	No	No	No	N/A

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

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

[3] Monthly NH_3 emissions are calculated using monthly fuel usage and default emission factors from the SCAQMD's AER 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.

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

Table 9. Monthly Emissions - September 2025

Source	Monthly Emissions (lb/month) [1]					
	NOx [2]	CO	VOC	SOx	$PM_{10}/PM_{2.5}$	NH_3 [3]
CTG 1 & Duct Burner	1,353	521	285	51	1,111	1,708
CTG 2 & Duct Burner	688	285	140	25.1	545	848
Monthly Emission Limits [4]	N/A	7,633	3,236	227	4,876	N/A
Exceeds Limit?	N/A	No	No	No	No	N/A

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

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

[3] Monthly NH_3 emissions are calculated using monthly fuel usage and default emission factors from the SCAQMD's AER 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.

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

Malburg Generating Station
Quarterly Compliance Report
Appendix A, Table 10

Reporting Period: **Quarter 3 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.
$PM_{10}/PM_{2.5}$	3.065	Emission factor converted from the factor provided in the facility's Title V Permit (0.09 g/bhp-hr), based on the unit's power rating (173 hp) and maximum fuel throughput (11.2 gal/hr).
NH_3	0.80	Default for diesel combustion equipment without an SNCR or SCR given in the SCAQMD's AER Combustion Default Emission Factors - December 2024.

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

Month	Monthly Hours of Operation [1]			Fuel Usage (gal/month) [2]	Monthly Emissions (lb/month)					
	Maintenance	Testing	Emergency		NOx	CO	VOC	SOx	$PM_{10}/PM_{2.5}$	NH_3
January	0.0	2.0	0.0	22.4	10.5	0.31	0.08	0.00	0.07	0.02
February	0.0	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
July	0.0	2.5	0.0	28.0	13.1	0.38	0.10	0.01	0.09	0.02
August	0.0	2.0	0.0	22.4	10.5	0.31	0.08	0.00	0.07	0.02
September	0.0	2.5	0.0	28.0	13.1	0.38	0.10	0.01	0.09	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**
Q3 Total	**0.0**	**7.0**	**0.0**	**78.4**	**36.8**	**1.1**	**0.3**	**0.0**	**0.2**	**0.1**
Annual Total	**0.0**	**23.9**	**0.0**	**267.7**	**125.5**	**3.6**	**0.9**	**0.1**	**0.8**	**0.2**
Annual Limit for Maintenance and Testing [3]			50							
Total Annual Limit [3]			200							
Exceeds Limits?			No							

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

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

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

Appendix B
Cooling Tower Blowdown Reports

POSITIVE
LAB SERVICE

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

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 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

POSITIVE LAB SERVICE

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

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

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

File #:74548
Report Date: 07/02/25
Submitted: 06/30/25
PLS Report No.: 2506243

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2506243-01) Sampled: 06/30/25 08:35 Received: 06/30/25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**3800**		1	mg/L	5.0	- SM 2540C	07/02/25	07/02/25	ss	BG50217

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BG50217 - -										
Blank	**Prepared & Analyzed: 07/02/25**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared & Analyzed: 07/02/25**									
Total Dissolved 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

Rick Owen Parker

Authorized Signature(s)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

POSITIVE LAB SERVICE

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

DATE: 6.30.25 PAGE: 1 OF 1

FILE NO.: LAB NO.: 2506243

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

ADDRESS: 4963 SOTO ST. VERNON CA 90058 ANALYSES REQUESTED OBSERVED TEMP 1.5°C

PROJECT MANAGER MATT RICHARDS PHONE NO: FAX NO: CORRECTED TEMP: 0.5C

SAMPLER NAME: JOHN BARIE SIGNATURE: THERMO ID: 67

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

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

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

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		TDS								SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	6.30.25	0835	COOLING TOWER BLOWDOWN	X				N	1	P	X								

Relinquished by (Signature& Name): MA Received by (Signature & Name): John Barie Date: 6.30.25 Time: 0835

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

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

SAMPLE DISPOSITION

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

By: _____ Date: _____

SPECIAL INSTRUCTION:

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

Arrived at the lab 6.30.25 0835

POSITIVE
LAB SERVICE

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

July 21, 2025

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

Report No.: 2507058
Project Name: Malburg Generating Station Weekly

Dear Matt Richards,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on July 11, 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 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.

John Schmidt
Project Manager

POSITIVE LAB SERVICE

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

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

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

File #:74548
Report Date: 07/21/25
Submitted: 07/11/25
PLS Report No.: 2507058

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2507058-01) Sampled: 07/11/25 08:20 Received: 07/11/25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**3940**		1	mg/L	5.0	- SM 2540C	07/18/25	07/18/25	ss	BG51816

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BG51816 - -										
Blank	**Prepared & Analyzed: 07/18/25**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared & Analyzed: 07/18/25**									
Total Dissolved Solids	53.0	5.0	mg/L	50.0		106	80-120			
Duplicate **Source: 2507094-01**	**Prepared & Analyzed: 07/18/25**									
Total Dissolved Solids	760	5.0	mg/L		755			0.660	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

Rick Owen Parlin

Authorized Signature(s)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

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

DATE: 7/1/25 PAGE: 1 OF

FILE NO.: LAB NO.: 2507038

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

ADDRESS: 4963 SOTO ST. VERNON CA 90058 ANALYSES REQUESTED OBSERVED TEMP 1.9°C

PROJECT MANAGER MATT RICHARDS PHONE NO: FAX NO: CORRECTED TEMP: 0.9°C

SAMPLER NAME: JOHN BARIE SIGNATURE: THERMO ID: 67

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

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

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

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		TDS								SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	7/1/25	0820	COOLING TOWER BLOWDOWN	X				N	1	P	X								

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

7/1/25 1025

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

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

SAMPLE DISPOSITION

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

By: _____ Date: _____

SPECIAL INSTRUCTION:

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

Arrived at the lab 7/1/25 1025

POSITIVE LAB SERVICE

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

July 21, 2025

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

Report No.: 2507082
Project Name: Malburg Generating Station Weekly

Dear Matt Richards,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on July 16, 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.

John Schmidt
Project Manager

POSITIVE LAB SERVICE

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

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

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

File #:74548
Report Date: 07/21/25
Submitted: 07/16/25
PLS Report No.: 2507082

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2507082-01) Sampled: 07/16/25 08:15 Received: 07/16/25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**3860**		1	mg/L	5.0	- SM 2540C	07/18/25	07/18/25	ss	BG51816

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BG51816 - -										
Blank	**Prepared & Analyzed: 07/18/25**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared & Analyzed: 07/18/25**									
Total Dissolved Solids	53.0	5.0	mg/L	50.0		106	80-120			
Duplicate **Source: 2507094-01**	**Prepared & Analyzed: 07/18/25**									
Total Dissolved Solids	760	5.0	mg/L		755			0.660	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

Rick Owen Parlier

Authorized Signature(s)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

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

DATE: 7-16-25 PAGE: 1 OF

FILE NO.: LAB NO.: 2507082

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

AIRBILL NO:

ADDRESS: 4963 SOTO ST. VERNON CA 90058

OBSERVED TEMP 1.5°C

CORRECTED TEMP: 0.5°C

PROJECT MANAGER MATT RICHARDS PHONE NO: FAX NO:

THERMO ID: 67

SAMPLER NAME: JOHN BARIE SIGNATURE:

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

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

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

ANALYSES REQUESTED

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX: WATER	SOIL	SLUDGE	OTHER	TAT	CONTAINER: #	TYPE	TDS	SAMPLE CONDITIONS/ CONTAINER/COMMENTS
	7-16-25	0815	COOLING TOWER BLOWDOWN	X				N	1	P	X	

Relinquished by (Signature& Name): MA

Received by (Signature & Name): Jon Barie

Date: 7-16-25 Time: 0815

Relinquished by (Signature& Name):

Received by (Signature & Name):

Date: Time:

Relinquished by (Signature& Name):

Received by (Signature & Name):

Date: Time:

SAMPLE DISPOSITION

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

By: _____ Date: _____

SPECIAL INSTRUCTION:

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

Arrived at the lab 7-16-25 @ 1036

POSITIVE LAB SERVICE

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

July 28, 2025

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

Report No.: 2507131
Project Name: Malburg Generating Station Weekly

Dear Matt Richards,

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

John Schmidt
Project Manager

POSITIVE LAB SERVICE

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

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

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

File #:74548
Report Date: 07/28/25
Submitted: 07/22/25
PLS Report No.: 2507131

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2507131-01) Sampled: 07/22/25 08:25 Received: 07/22/25

Analyte	Results	Flag	D.F.	Units	PQL		Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**4500**		1	mg/L	5.0	-	SM 2540C	07/24/25	07/25/25	ss	BG52516

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BG52516 - -										
Blank	**Prepared: 07/24/25 Analyzed: 07/25/25**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared: 07/24/25 Analyzed: 07/25/25**									
Total Dissolved Solids	49.0	5.0	mg/L	50.0		98.0	80-120			
Duplicate **Source: 2507132-01**	**Prepared: 07/24/25 Analyzed: 07/25/25**									
Total Dissolved Solids	2150	5.0	mg/L		2180			1.46	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

Rick Owen Parlier

Authorized Signature(s)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

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

DATE: 7-22-25 PAGE: 1 OF 1

FILE NO.: LAB NO.: 2507131

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

ADDRESS: 4963 SOTO ST. VERNON CA 90058 | OBSERVED TEMP 1.4°C

PROJECT MANAGER: MATT RICHARDS | PHONE NO: | FAX NO: | CORRECTED TEMP: 0.4°C

SAMPLER NAME: JOHN BARIE | SIGNATURE: | THERMO ID: 67

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

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

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

ANALYSES REQUESTED

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX: WATER	SOIL	SLUDGE	OTHER	TAT	CONTAINER: #	TYPE	TDS	SAMPLE CONDITIONS/ CONTAINER/COMMENTS
	7-22-25	0825	COOLING TOWER BLOWDOWN	X				N	1	P	X	

Relinquished by (Signature& Name): NA | Received by (Signature & Name): Jon Barie | Date: 7-22-25 | Time: 0824

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

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

SAMPLE DISPOSITION

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

By: _____ Date: _____

SPECIAL INSTRUCTION:

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

Arrived at the lab 7-22-25 0824

POSITIVE LAB SERVICE

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

August 04, 2025

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

Report No.: 2507160
Project Name: Malburg Generating Station Weekly

Dear Matt Richards,

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

POSITIVE LAB SERVICE

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

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

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

File #:74548
Report Date: 08/04/25
Submitted: 07/28/25
PLS Report No.: 2507160

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2507160-01) Sampled: 07/28/25 08:35 Received: 07/28/25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**3740**		1	mg/L	5.0	- SM 2540C	07/31/25	08/01/25	ss	BH50110

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BH50110 - -										
Blank	**Prepared: 07/31/25 Analyzed: 08/01/25**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared: 07/31/25 Analyzed: 08/01/25**									
Total Dissolved Solids	47.0	5.0	mg/L				80-120			
Duplicate **Source: 2507169-01**	**Prepared: 07/31/25 Analyzed: 08/01/25**									
Total Dissolved Solids	953	5.0	mg/L		960			0.697	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

Rick Owen Parker

Authorized Signature(s)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

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

DATE: 7.28.25 PAGE: 1 OF 1

FILE NO.: LAB NO.: 2507160

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

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

PROJECT MANAGER MATT RICHARDS PHONE NO: FAX NO: CORRECTED TEMP: 0.1°C

SAMPLER NAME: JOHN BARIE SIGNATURE: THERMO ID: 67

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

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

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

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		TDS								SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	7.28.25	0835	COOLING TOWER BLOWDOWN	X				N	1	P	X								

Relinquished by (Signature& Name): MA Received by (Signature & Name): Date: 7.28.25 Time: 0835

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

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

SAMPLE DISPOSITION

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

By: _____ Date: _____

SPECIAL INSTRUCTION:

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

Arrived at the lab 7.28.25 1050

POSITIVE LAB SERVICE

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

August 11, 2025

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

Report No.: 2508015
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 August 05, 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

POSITIVE LAB SERVICE

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

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

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

File #:74548
Report Date: 08/11/25
Submitted: 08/05/25
PLS Report No.: 2508015

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2508015-01) Sampled: 08/05/25 08:20 Received: 08/05/25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**4090**		1	mg/L	5.0	- SM 2540C	08/08/25	08/08/25	ss	BH50819

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BH50819 - -										
Blank	**Prepared & Analyzed: 08/08/25**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared & Analyzed: 08/08/25**									
Total Dissolved Solids	51.0	5.0	mg/L	50.0		102	80-120			
Duplicate **Source: 2508015-01**	**Prepared & Analyzed: 08/08/25**									
Total Dissolved Solids	3960	5.0	mg/L		4090			3.23	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

Rick Daren Parlier

Authorized Signature(s)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

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

DATE: 8525 PAGE: 1 OF 1

FILE NO.: LAB NO.: 2508015

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

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

PROJECT MANAGER MATT RICHARDS PHONE NO: FAX NO: CORRECTED TEMP 0.6°C

SAMPLER NAME: JOHN BARIE SIGNATURE: THERMO ID: 67

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

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

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

ANALYSES REQUESTED

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		TDS								SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE										
	8525	0820	COOLING TOWER BLOWDOWN	X				N	1	P	X								

Relinquished by (Signature& Name): Received by (Signature & Name): Date: 8525 Time: 0820

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

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

SAMPLE DISPOSITION

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

By: _____ Date: _____

SPECIAL INSTRUCTION:

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

Arrived at the lab 8525 1015

POSITIVE
LAB SERVICE

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

August 19, 2025

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

Report No.: 2508075
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 August 12, 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

POSITIVE LAB SERVICE

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

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

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

File #:74548
Report Date: 08/19/25
Submitted: 08/12/25
PLS Report No.: 2508075

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2508075-01) Sampled: 08/12/25 08:20 Received: 08/12/25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**4020**		1	mg/L	5.0	- SM 2540C	08/18/25	08/19/25	ss	BH51913

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BH51913 - -										
Blank	**Prepared: 08/18/25 Analyzed: 08/19/25**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared: 08/18/25 Analyzed: 08/19/25**									
Total Dissolved Solids	50.0	5.0	mg/L	50.0		100	80-120			
Duplicate **Source: 2508085-03**	**Prepared: 08/18/25 Analyzed: 08/19/25**									
Total Dissolved Solids	433	5.0	mg/L		435			0.385	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

Rick Owen Parlier

Authorized Signature(s)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

POSITIVE LAB SERVICE

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

DATE: 8/12/25 PAGE: 1 OF 1

FILE NO.: LAB NO.: 250875

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

ADDRESS: 4963 SOTO ST. VERNON CA 90058

PROJECT MANAGER MATT RICHARDS PHONE NO: FAX NO:

SAMPLER NAME: JOHN BARIE SIGNATURE:

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

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

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

ANALYSES REQUESTED

OBSERVED TEMP 1.3°C
CORRECTED TEMP: 0.8°C
THERMO ID: 67

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		TDS	SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE		
	8/12/25	0820	COOLING TOWER BLOWDOWN	X				N	1	P	X	

Relinquished by (Signature& Name):	Received by (Signature & Name):	Date:	Time:
MA	Tu Tom Barie	8/12/25	0820
Relinquished by (Signature& Name):	Received by (Signature & Name):	Date:	Time:
Relinquished by (Signature& Name):	Received by (Signature & Name):	Date:	Time:

SAMPLE DISPOSITION

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

By: _____ Date: _____

SPECIAL INSTRUCTION:

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

Arrived at the lab 8/12/25 1210

POSITIVE
LAB SERVICE

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

August 28, 2025

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

Report No.: 2508168
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 August 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.

 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

POSITIVE LAB SERVICE

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

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

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

File #:74548
Report Date: 08/28/25
Submitted: 08/22/25
PLS Report No.: 2508168

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2508168-01) Sampled: 08/22/25 08:10 Received: 08/22/25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**3900**		1	mg/L	5.0	- SM 2540C	08/26/25	08/27/25	ss	BH52722

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BH52722 - -										
Blank	**Prepared: 08/26/25 Analyzed: 08/27/25**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared: 08/26/25 Analyzed: 08/27/25**									
Total Dissolved Solids	40.0	5.0	mg/L	50.0		80.0	80-120			
Duplicate **Source: 2508180-01**	**Prepared: 08/26/25 Analyzed: 08/27/25**									
Total Dissolved Solids	4260	5.0	mg/L		4220			0.825	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

Rick Owen Parker

Authorized Signature(s)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

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

DATE: 8/22/5 PAGE: 1 OF 1

FILE NO.: LAB NO.: 2508168

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

ADDRESS: 4963 SOTO ST. VERNON CA 90058 ANALYSES REQUESTED OBSERVED TEMP 1.8°C

PROJECT MANAGER MATT RICHARDS PHONE NO: FAX NO: CORRECTED TEMP: 0.8°C

SAMPLER NAME: JOHN BARIE SIGNATURE: THERMO ID:----------

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

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

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

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		TDS								SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	8/22/5	0810	COOLING TOWER BLOWDOWN	X				N	1	P	X								

Relinquished by (Signature& Name): NA

Received by (Signature & Name): [signature] John Barie

Date: 8/22/5 Time: 0810

Relinquished by (Signature& Name):

Received by (Signature & Name):

Date: Time:

Relinquished by (Signature& Name):

Received by (Signature & Name):

Date: Time:

SAMPLE DISPOSITION

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

By: _____ Date: _____

SPECIAL INSTRUCTION:

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

Arrived at the lab 8-22-5 1050

POSITIVE
LAB SERVICE

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

August 28, 2025

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

Report No.: 2508180
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 August 25, 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.

Project Manager

POSITIVE LAB SERVICE

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

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

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

File #:74548
Report Date: 08/28/25
Submitted: 08/25/25
PLS Report No.: 2508180

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2508180-01) Sampled: 08/25/25 08:10 Received: 08/25/25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**4220**		1	mg/L	5.0	- SM 2540C	08/26/25	08/27/25	ss	BH52722

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BH52722 - -										
Blank	**Prepared: 08/26/25 Analyzed: 08/27/25**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared: 08/26/25 Analyzed: 08/27/25**									
Total Dissolved Solids	40.0	5.0	mg/L	50.0		80.0	80-120			
Duplicate **Source: 2508180-01**	**Prepared: 08/26/25 Analyzed: 08/27/25**									
Total Dissolved Solids	4260	5.0	mg/L		4220			0.825	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

Rick Owen Parlier

Authorized Signature(s)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

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

DATE: 8-25-25 PAGE: 1 OF 1

FILE NO.: LAB NO.: 2508180

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

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

PROJECT MANAGER MATT RICHARDS PHONE NO: FAX NO: CORRECTED TEMP: 0.1°C

SAMPLER NAME: JOHN BARIE SIGNATURE: THERMO ID: 67

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

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

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

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		TDS								SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	8/25/25	0810	COOLING TOWER BLOWDOWN	X				N	1	P	X								

Relinquished by (Signature& Name): MA Received by (Signature & Name): for John Barie Date: 8-25-25 Time: 0810

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

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

SAMPLE DISPOSITION

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

By: _____ Date: _____

SPECIAL INSTRUCTION:

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

Arrived at the lab 8/25/25 0850

POSITIVE
LAB SERVICE

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

September 10, 2025

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

Report No.: 2509011
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 September 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.

Project Manager

POSITIVE LAB SERVICE

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

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

File #:74548
Report Date: 09/10/25
Submitted: 09/03/25
PLS Report No.: 2509011

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

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2509011-01) Sampled: 09/03/25 07:40 Received: 09/03/25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**4320**		1	mg/L	5.0	- SM 2540C	09/04/25	09/05/25	ss	BI50515

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BI50515 - -										
Blank	**Prepared: 09/04/25 Analyzed: 09/05/25**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared: 09/04/25 Analyzed: 09/05/25**									
Total Dissolved Solids	56.0	5.0	mg/L	50.0		112	80-120			
Duplicate **Source: 2509013-01**	**Prepared: 09/04/25 Analyzed: 09/05/25**									
Total Dissolved Solids	1100	5.0	mg/L		1080			1.37	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

Rick Owen Parlier

Authorized Signature(s)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

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

DATE: 9-3-25 PAGE: 1 OF

FILE NO.: LAB NO.: 2309011

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

ADDRESS: 4963 SOTO ST. VERNON CA 90058 OBSERVED TEMP 1.5°C

PROJECT MANAGER MATT RICHARDS PHONE NO: FAX NO: CORRECTED TEMP 0.5°C

SAMPLER NAME: JOHN BARIE SIGNATURE: THERMO ID: 67

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

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

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

ANALYSES REQUESTED

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		TDS								SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	9-3-25	0740	COOLING TOWER BLOWDOWN	X				N	1	P	X								

Relinquished by (Signature& Name): NA Received by (Signature & Name): Jo JohnBarie Date: 9-3-25 Time: 0740

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

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

SAMPLE DISPOSITION

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

By: _____ Date: _____

SPECIAL INSTRUCTION:

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

Arrived at the lab 9-3-25 0740

POSITIVE
LAB SERVICE

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

September 15, 2025

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

Report No.: 2509056
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 September 08, 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

POSITIVE LAB SERVICE

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

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

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

File #:74548
Report Date: 09/15/25
Submitted: 09/08/25
PLS Report No.: 2509056

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2509056-01) Sampled: 09/08/25 08:15 Received: 09/08/25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**4220**		1	mg/L	5.0	- SM 2540C	09/12/25	09/12/25	ss	BI51215

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BI51215 - -										
Blank	**Prepared & Analyzed: 09/12/25**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared & Analyzed: 09/12/25**									
Total Dissolved Solids	54.0	5.0	mg/L	50.0		108	80-120			
Duplicate **Source: 2509056-01**	**Prepared & Analyzed: 09/12/25**									
Total Dissolved Solids	4070	5.0	mg/L		4220			3.66	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)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

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

DATE: 9.8.25 PAGE: 1 OF 1

FILE NO.: LAB NO.: 25090560

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

ADDRESS: 4963 SOTO ST. VERNON CA 90058

PROJECT MANAGER MATT RICHARDS PHONE NO: FAX NO:

SAMPLER NAME: JOHN BARIE SIGNATURE:

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

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

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

OBSERVED TEMP 1-12C

CORRECTED TEMP 0.1°C

THERMO ID: 67

ANALYSES REQUESTED

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX: WATER	SOIL	SLUDGE	OTHER	TAT	CONTAINER: #	TYPE	TDS	SAMPLE CONDITIONS/ CONTAINER/COMMENTS
	9.8.25	0815	COOLING TOWER BLOWDOWN	X				N	1	P	X	

Relinquished by (Signature& Name): NA

Received by (Signature & Name): John Barie

Date: 9.8.25 Time: 0815

Relinquished by (Signature& Name):

Received by (Signature & Name):

Date: Time:

Relinquished by (Signature& Name):

Received by (Signature & Name):

Date: Time:

SAMPLE DISPOSITION

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

By: _____ Date: _____

SPECIAL INSTRUCTION:

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

Arrived at the lab 9.8.25 1020

POSITIVE LAB SERVICE

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

September 22, 2025

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

Report No.: 2509146
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 September 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.

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

Project Manager

POSITIVE LAB SERVICE

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

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

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

File #:74548
Report Date: 09/22/25
Submitted: 09/17/25
PLS Report No.: 2509146

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2509146-01) Sampled: 09/17/25 08:00 Received: 09/17/25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**4200**		1	mg/L	5.0	- SM 2540C	09/19/25	09/19/25	ss	BI51918

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BI51918 - -										
Blank	**Prepared & Analyzed: 09/19/25**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared & Analyzed: 09/19/25**									
Total Dissolved Solids	51.0	5.0	mg/L	50.0		102	80-120			
Duplicate **Source: 2509147-01**	**Prepared & Analyzed: 09/19/25**									
Total Dissolved Solids	1270	5.0	mg/L		1280			1.05	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

Rick Owen Parker

Authorized Signature(s)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

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

DATE: 9-17-15 PAGE: 1 OF ____

FILE NO.: ____ LAB NO.: 2509146

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

AIRBILL NO:

ADDRESS: 4963 SOTO ST. VERNON CA 90058

OBSERVED TEMP 21°C

CORRECTED TEMP: 1.1°C

PROJECT MANAGER MATT RICHARDS PHONE NO: FAX NO:

SAMPLER NAME: JOHN BARIE SIGNATURE:

THERMO ID: 67

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

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

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

ANALYSES REQUESTED

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		TDS								SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	9-17-15	0830	COOLING TOWER BLOWDOWN	X				N	1	P	X								

Relinquished by (Signature& Name): MA

Received by (Signature & Name): John Barie

Date: 9-17-15 Time: 0830

Relinquished by (Signature& Name):

Received by (Signature & Name):

Date: Time:

Relinquished by (Signature& Name):

Received by (Signature & Name):

Date: Time:

SAMPLE DISPOSITION

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

By: _____ Date: _____

SPECIAL INSTRUCTION:

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

Arrived at the lab 9-17-15 1020

POSITIVE LAB SERVICE

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

September 29, 2025

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

Report No.: 2509180
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 September 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.

Project Manager

POSITIVE LAB SERVICE

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

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

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

File #:74548
Report Date: 09/29/25
Submitted: 09/22/25
PLS Report No.: 2509180

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2509180-01) Sampled: 09/22/25 08:10 Received: 09/22/25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**4060**		1	mg/L	5.0	- SM 2540C	09/26/25	09/26/25	ss	BI52621

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BI52621 - -										
Blank	**Prepared & Analyzed: 09/26/25**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared & Analyzed: 09/26/25**									
Total Dissolved Solids	57.0	5.0	mg/L	50.0		114	80-120			
Duplicate **Source: 2509204-01**	**Prepared & Analyzed: 09/26/25**									
Total Dissolved Solids	2130	5.0	mg/L		2060			3.74	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

Rick Owen Parker

Authorized Signature(s)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

POSITIVE LAB SERVICE

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

DATE: 9-22-24 PAGE: 1 OF 1

FILE NO.: LAB NO.: 2509180

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

ADDRESS: 4963 SOTO ST. VERNON CA 90058

PROJECT MANAGER MATT RICHARDS PHONE NO: FAX NO:

SAMPLER NAME: JOHN BARIE SIGNATURE:

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

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

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

ANALYSES REQUESTED

OBSERVED TEMP 1.1°C

CORRECTED TEMP 0.2°C

THERMO ID: 67

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		TDS								SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	9.22.24	0810	COOLING TOWER BLOWDOWN	X				N	1	P	X								

Relinquished by (Signature& Name): NA

Received by (Signature & Name): John Barie

Date: 9.22.24 Time: 0810

Relinquished by (Signature& Name):

Received by (Signature & Name):

Date: Time:

Relinquished by (Signature& Name):

Received by (Signature & Name):

Date: Time:

SAMPLE DISPOSITION

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

By: _____ Date: _____

SPECIAL INSTRUCTION:

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

Arrived at the lab 9.22.24 850

POSITIVE LAB SERVICE

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

October 06, 2025

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

Report No.: 2509230
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 September 29, 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.

Project Manager

POSITIVE LAB SERVICE

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

Certificate of Analysis

City of Vernon
4963 Soto St.
Vernon, CA 90058

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

File #:74548
Report Date: 10/06/25
Submitted: 09/29/25
PLS Report No.: 2509230

Project: Malburg Generating Station Weekly

Sample ID: Cooling Tower Blowdown Water (2509230-01) Sampled: 09/29/25 08:30 Received: 09/29/25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Total Dissolved Solids	**4050**		1	mg/L	5.0	- SM 2540C	10/03/25	10/03/25	ss	BJ50320

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BJ50320 - -										
Blank	**Prepared & Analyzed: 10/03/25**									
Total Dissolved Solids	ND	5.0	mg/L							
LCS	**Prepared & Analyzed: 10/03/25**									
Total Dissolved Solids	53.0	5.0	mg/L	50.0		106	80-120			
Duplicate **Source: 2509230-01**	**Prepared & Analyzed: 10/03/25**									
Total Dissolved Solids	4050	5.0	mg/L		4050			0.0988	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

Rick Owen Parker

Authorized Signature(s)

CHAIN OF CUSTODY AND ANALYSIS REQUEST

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

DATE: 9.29.15 PAGE: 1 OF 1

FILE NO.: LAB NO.: 2509230

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

ADDRESS: 4963 SOTO ST. VERNON CA 90058 ANALYSES REQUESTED OBSERVED TEMP 4°C

PROJECT MANAGER MATT RICHARDS PHONE NO: FAX NO: CORRECTED TEMP: 0.1°C

SAMPLER NAME: JOHN BARIE SIGNATURE: THERMO ID: 6

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

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

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

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		TDS								SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	9.29.15	0830	COOLING TOWER BLOWDOWN	X				N	1	P	X								

Relinquished by (Signature& Name): NA

Received by (Signature & Name): Jon Barie

Date: 9.29.15 Time: 0930

Relinquished by (Signature& Name):

Received by (Signature & Name):

Date: Time:

Relinquished by (Signature& Name):

Received by (Signature & Name):

Date: Time:

SAMPLE DISPOSITION

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

By: _____ Date: _____

SPECIAL INSTRUCTION:

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

Arrived at the lab 9.29.15 0910

Appendix C
Operation Logs

Malburg Generating Station
Appendix C, Table 1
Combustion Turbine Generator (CTG) Startup and Shutdown Events
During Quarter 3, 2025

CTG 1

Date	Event Type [1]	Event Start	Event End	Duration (hrs:min)
7/3/2025	Stop	22:04	22:13	0:09
7/7/2025	Cold Start	16:43	17:59	1:16
7/12/2025	Stop	04:57	05:06	0:09
8/6/2025	Cold Start	02:52	04:11	1:19
8/12/2025	Stop	00:46	00:55	0:09
8/20/2025	Cold Start	15:39	16:52	1:13
8/21/2025	Trip/Shutdown	06:10	06:10	0:00
8/30/2025	Cold Start	20:54	22:12	1:18
8/30/2025	Stop	22:13	22:16	0:03
9/1/2025	Warm Start	15:48	16:58	1:10
9/23/2025	Stop	21:57	22:06	0:09
9/24/2025	Warm Start	20:16	21:16	1:00
9/26/2025	Stop	08:57	09:06	0:09

CTG 2

Date	Event Type [1]	Event Start	Event End	Duration (hrs:min)
7/3/2025	Cold Start	17:43	19:15	1:32
8/28/2025	Trip/Shutdown	21:24	21:24	0:00
8/28/2025	Warm Start	22:43	23:18	0:35
9/6/2025	Stop	06:56	07:05	0:09
9/23/2025	Cold Start	16:46	18:00	1:14
9/24/2025	Trip/Shutdown	18:32	18:32	0:00
9/26/2025	Warm Start	04:14	05:21	1:07

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

Malburg Generating Station
Appendix C, Table 2
Diesel Firewater Pump Testing Times
During Quarter 3, 2025

Date	Time (hh:mm)	Start Hours	End Hours	Event Type	Hours of Operation
7/1/2025	6:20	424.5	425.0	Testing	0.5
7/9/2025	10:26	425.0	425.5	Testing	0.5
7/15/2025	9:56	425.5	426.0	Testing	0.5
7/22/2025	12:50	426.0	426.5	Testing	0.5
7/29/2025	8:34	426.5	427.0	Testing	0.5
8/5/2025	6:10	427.0	427.5	Testing	0.5
8/12/2025	11:17	427.5	428.0	Testing	0.5
8/19/2025	20:31	428.0	428.5	Testing	0.5
8/25/2025	21:03	428.5	429.0	Testing	0.5
9/2/2025	11:07	429.0	429.5	Testing	0.5
9/9/2025	19:58	429.5	430.0	Testing	0.5
9/16/2025	23:29	430.0	430.5	Testing	0.5
9/23/2025	8:36	430.5	431.0	Testing	0.5
9/30/2025	11:43	431.0	431.5	Testing	0.5

Appendix D
Diesel Fuel Oil Purchase Records

SC FUELS

SALES ORDER/DELIVERY TICKET

ORDER NUMBER: **OD-0000163065**

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:
ROM:
SHIP VIA: **SC COMMERCIAL (LUBES)**
WHSE **WH - SANTA FE SPRINGS**

SC Commercial, LLC, DBA SC Fuels
PO BOX 14237
ORANGE, CA 92863-1237
(888) 723-8357

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:ROB 323-583-8811 X257/HRS:8A-2P				
		MTO				
		R99 RENEWABLE DSL DYED	2.00		55 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	1.00		55 GAL DRUM	55.00 GALS
	DRUMDEPOSIT	DRUM DEPOSIT	3.00			3.00
	RCF LUBES	REG COMPLIANCE FEE LUBES	1.00			1.00
	FSC LUBES	FUEL SURCHARGE LUBES	1.00			1.00

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

Received by	customer signature	Date:	3/17/25	Arrived Destination	1:24	AM PM
Printed Name	customer first and last name			Completed	1:30	AM PM
Driver's Signature				Truck #	924	
				Drum Credit		

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

Startup/Shutdown Excess Emissions Report

U1 CO Startup/Shutdown

From: 07/01/2025 00:00 **To:** 09/30/2025 23:59 **Facility Name:** Malburg Generating Station

Generated: 10/07/2025 10:36 **Location:** Vernon, California

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

Total Operating Time: 906.37 Hours

Non-Operating Time: 1,301.63 Hours Report Time: 2,208.00 Hours

Unit Operation

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

No excess emissions were found in the reporting period.

Startup/Shutdown Excess Emissions Report

U1 CO Startup/Shutdown

From: 07/01/2025 00:00 **To:** 09/30/2025 23:59 **Facility Name:** Malburg Generating Station

Generated: 10/07/2025 10:36 **Location:** Vernon, California

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

Total Operating Time: 906.37 Hours

Non-Operating Time: 1,301.63 Hours Report Time: 2,208.00 Hours

No invalid events were found in the reporting period.

Startup/Shutdown Excess Emissions Report

U1 NOx Startup/Shutdown

From: 07/01/2025 00:00 **To:** 09/30/2025 23:59 **Facility Name:** Malburg Generating Station

Generated: 10/07/2025 10:36 **Location:** Vernon, California

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

Total Operating Time: 906.37 Hours

Non-Operating Time: 1,301.63 Hours Report Time: 2,208.00 Hours

Unit Operation

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

No excess emissions were found in the reporting period.

Startup/Shutdown Excess Emissions Report

U1 NOx Startup/Shutdown

From: 07/01/2025 00:00 **To:** 09/30/2025 23:59 **Facility Name:** Malburg Generating Station

Generated: 10/07/2025 10:36 **Location:** Vernon, California

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

Total Operating Time: 906.37 Hours

Non-Operating Time: 1,301.63 Hours Report Time: 2,208.00 Hours

No invalid events were found in the reporting period.

Startup/Shutdown Excess Emissions Report

U1 VOC Startup/Shutdown

From: 07/01/2025 00:00 **To:** 09/30/2025 23:59 **Facility Name:** Malburg Generating Station

Generated: 10/07/2025 10:35 **Location:** Vernon, California

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

Total Operating Time: 906.37 Hours

Non-Operating Time: 1,301.63 Hours Report Time: 2,208.00 Hours

Unit Operation

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

No excess emissions were found in the reporting period.

Startup/Shutdown Excess Emissions Report

U1 VOC Startup/Shutdown

From: 07/01/2025 00:00 **To:** 09/30/2025 23:59 **Facility Name:** Malburg Generating Station

Generated: 10/07/2025 10:35 **Location:** Vernon, California

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

Total Operating Time: 906.37 Hours

Non-Operating Time: 1,301.63 Hours Report Time: 2,208.00 Hours

No invalid events were found in the reporting period.

Excess Emission Report

Unit 1 - CO ppmvdc 1-hour during Normal Operation

From: 07/01/2025 00:00 **To:** 09/30/2025 23:59 **Facility Name:** Malburg Generating Station
Generated: 10/07/2025 10:34 **Location:** Vernon, California

Tag Name: U1_CONormal_Ppmvdc_1H
Total Operating Time: 916.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 1,292.00 Hour(s) Report Time: 2,208.00 Hour(s)

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

Total Operating Time:	**916.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**

Excess Emission Report

Unit 1 - NOx ppmvdc 1-hour during Normal Operation

From: 07/01/2025 00:00 **To:** 09/30/2025 23:59 **Facility Name:** Malburg Generating Station
Generated: 10/07/2025 10:33 **Location:** Vernon, California

Tag Name: U1_NOxNormal_Ppmvdc_1H
Total Operating Time: 916.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 1,292.00 Hour(s) Report Time: 2,208.00 Hour(s)

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

Total Operating Time:	**916.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**

Excess Emission Report

Unit 1 - VOC ppmvdc 1-hour during Normal Operation

From: 07/01/2025 00:00 **To:** 09/30/2025 23:59 **Facility Name:** Malburg Generating Station
Generated: 10/07/2025 10:33 **Location:** Vernon, California

Tag Name: U1_VOCNormal_Ppmvdc_1H
Total Operating Time: 916.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 1,292.00 Hour(s) Report Time: 2,208.00 Hour(s)

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

Total Operating Time:	**916.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**

Excess Emission Report

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

From: 07/01/2025 00:00 **To:** 09/30/2025 23:59 **Facility Name:** Malburg Generating Station

Generated: 10/07/2025 10:32 **Location:** Vernon, California

Tag Name: U1_CO_3HrRoll_Ppmvdc_1H

Total Operating Time: 916.00 Hour(s) **No Exclusions Allowed**

Non-Operating Time: 1,292.00 Hour(s) Report Time: 2,208.00 Hour(s)

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

Total Operating Time:	**916.00 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: 07/01/2025 00:00 **To:** 09/30/2025 23:59 **Facility Name:** Malburg Generating Station
Generated: 10/07/2025 10:32 **Location:** Vernon, California

Tag Name: U1_NOx4H_Ppmvdc_1H
Total Operating Time: 916.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 1,292.00 Hour(s) Report Time: 2,208.00 Hour(s)

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

Total Operating Time:	**916.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**

Startup/Shutdown Event Report

U2 CO Startup/Shutdown Events

From: 07/01/2025 00:00 **To:** 09/30/2025 23:59 **Facility Name:** Malburg Generating Station
Generated: 10/07/2025 10:31 **Location:** Vernon, California
Tag Name: U2_CO_LbPerHr_1M
SI = SampleInvalid, * = Excess Emission

Total Operating Time: 1,690.65 Hours
Non-Operating Time: 517.35 Hours Report Time: 2,208.00 Hours

Unit Operation

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

No excess emissions were found in the reporting period.

Startup/Shutdown Event Report

U2 CO Startup/Shutdown Events

From: 07/01/2025 00:00 **To:** 09/30/2025 23:59 **Facility Name:** Malburg Generating Station

Generated: 10/07/2025 10:31 **Location:** Vernon, California

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

Total Operating Time: 1,690.65 Hours

Non-Operating Time: 517.35 Hours Report Time: 2,208.00 Hours

No invalid events were found in the reporting period.

Startup/Shutdown Excess Emissions Report

U2 NOx Startup/Shutdown

From: 07/01/2025 00:00 **To:** 09/30/2025 23:59 **Facility Name:** Malburg Generating Station

Generated: 10/07/2025 10:30 **Location:** Vernon, California

Tag Name: U2_NOxRECLM_LbPerHr_1M

SI = SampleInvalid, * = Excess Emission

Total Operating Time: 1,690.65 Hours

Non-Operating Time: 517.35 Hours Report Time: 2,208.00 Hours

Unit Operation

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

No excess emissions were found in the reporting period.

Startup/Shutdown Excess Emissions Report

U2 NOx Startup/Shutdown

From: 07/01/2025 00:00 **To:** 09/30/2025 23:59 **Facility Name:** Malburg Generating Station

Generated: 10/07/2025 10:30 **Location:** Vernon, California

Tag Name: U2_NOxRECLM_LbPerHr_1M

SI = SampleInvalid, * = Excess Emission

Total Operating Time: 1,690.65 Hours

Non-Operating Time: 517.35 Hours Report Time: 2,208.00 Hours

No invalid events were found in the reporting period.

Startup/Shutdown Event Report

U2 VOC Startup/Shutdown Events

From: 07/01/2025 00:00 **To:** 09/30/2025 23:59 **Facility Name:** Malburg Generating Station

Generated: 10/07/2025 10:30 **Location:** Vernon, California

Tag Name: U2_VOC_LbPerHr_1M

SI = SampleInvalid, * = Excess Emission

Total Operating Time: 1,690.65 Hours

Non-Operating Time: 517.35 Hours Report Time: 2,208.00 Hours

Unit Operation

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

No excess emissions were found in the reporting period.

Startup/Shutdown Event Report

U2 VOC Startup/Shutdown Events

From: 07/01/2025 00:00 **To:** 09/30/2025 23:59 **Facility Name:** Malburg Generating Station

Generated: 10/07/2025 10:30 **Location:** Vernon, California

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

Total Operating Time: 1,690.65 Hours

Non-Operating Time: 517.35 Hours Report Time: 2,208.00 Hours

No invalid events were found in the reporting period.

Excess Emission Report

Unit 2 - CO ppmvdc 1-hour during Normal Operation

From: 07/01/2025 00:00 **To:** 09/30/2025 23:59 **Facility Name:** Malburg Generating Station
Generated: 10/07/2025 10:28 **Location:** Vernon, California

Tag Name: U2_CONormal_Ppmvdc_1H
Total Operating Time: 1,695.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 513.00 Hour(s) Report Time: 2,208.00 Hour(s)

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

Total Operating Time:	**1,695.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**

Excess Emission Report

Unit 2 - NOx ppmvdc 1-hour during Normal Operation

From: 07/01/2025 00:00 **To:** 09/30/2025 23:59 **Facility Name:** Malburg Generating Station
Generated: 10/07/2025 10:28 **Location:** Vernon, California

Tag Name: U2_NOxNormal_Ppmvdc_1H
Total Operating Time: 1,695.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 513.00 Hour(s) Report Time: 2,208.00 Hour(s)

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

Total Operating Time:	**1,695.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**

Excess Emission Report

Unit 2 - VOC ppmvdc 1-hour during Normal Operation

From: 07/01/2025 00:00 **To:** 09/30/2025 23:59 **Facility Name:** Malburg Generating Station
Generated: 10/07/2025 10:27 **Location:** Vernon, California

Tag Name: U2_VOCNormal_Ppmvdc_1H
Total Operating Time: 1,695.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 513.00 Hour(s) Report Time: 2,208.00 Hour(s)

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

Total Operating Time:	**1,695.00 Hour(s)**
Total Duration (Online only):	**0.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**0.00 %**
Time in compliance as a percentage of operating time:	**100.00 %**

Excess Emission Report

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

From: 07/01/2025 00:00 **To:** 09/30/2025 23:59 **Facility Name:** Malburg Generating Station
Generated: 10/07/2025 10:27 **Location:** Vernon, California

Tag Name: U2_CO_3HrRoll_Ppmvdc_1H
Total Operating Time: 1,695.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 513.00 Hour(s) Report Time: 2,208.00 Hour(s)

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

Total Operating Time:	**1,695.00 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: 07/01/2025 00:00 **To:** 09/30/2025 23:59 **Facility Name:** Malburg Generating Station
Generated: 10/07/2025 10:26 **Location:** Vernon, California

Tag Name: U2_NOx4H_Ppmvdc_1H
Total Operating Time: 1,695.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 513.00 Hour(s) Report Time: 2,208.00 Hour(s)

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

Total Operating Time:	**1,695.00 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 %**