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City of VERNON CALIFORNIA

January 30, 2024

COM-8: 2023 Annual Compliance Report
January 1, 2023 through December 31, 2023
Malburg Generating Station (01-AFC-25C)

Dear Dr. Ali:

Attached please find the 2023 Annual Compliance Report for the Malburg Generating Station (01-AFC-25C), compiled in accordance with Condition of Certification COM-8 of the Final Commission Decision for the Malburg Generating Station (TN #28746), as most recently amended on June 20, 2019 by the Errata to Staff Analysis of Petition to Amend the Final Commission Decision (TN #228444). Documents required by specific conditions are provided as attachments to this Annual Compliance Report and are identified in Table 4-1 of the Annual Compliance Report.

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

Thank you,

Todd Dusenberry
General Manager of Vernon Public Utilities

Copies: Lisa Umeda
Matt Richards

Enclosure: MGS 2023 Annual Compliance Report

Malburg Generating Station 2023 Annual Compliance Report: January 1, 2023 – December 31, 2023

Submitted to
California Energy Commission

Submitted by
City of Vernon, Public Utilities Department

January 30, 2024

Document no: 240126082044_60a43f81
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Contents

Appendices

Tables

Acronyms and Abbreviations

ACC	Annual Compliance Certification
ACR	Annual Compliance Report
AER	Annual Emissions Report
APEP	Annual Permit Emissions Program
CAISO	California Independent System Operator
CARB	California Air Resources Board
CEC	California Energy Commission
CERS	California Environmental Reporting System
CFR	Code of Federal Regulations
COC	Condition of Certification
CPM	Compliance Project Manager
CTGs	combustion turbine generators
EDRs	Electronic Data Reports
EIA	Energy Information Administration
EPA	Environmental Protection Agency
HMBP	Hazardous Materials Business Plan
LACSD	Los Angeles County Sanitation Districts
MGS	Malburg Generating Station
NOx	Nitrogen Oxides
QCER	Quarterly Certification of Emission Reports
RECLAIM	Regional Clean Air Incentives Market
RWQCB	Regional Water Quality Control Board
SAM	Semi-Annual Monitoring
SCAQMD	South Coast Air Quality Management District
SCR	Selective Catalytic Reduction
STG	steam turbine generator
VPU	City of Vernon, Public Utilities Department

1. Introduction

This Annual Compliance Report (ACR) has been prepared by the City of Vernon, Public Utilities Department (VPU) for the Malburg Generating Station (MGS; 01-AFC-25C) in accordance with Condition of Certification (COC) COM-8 of the California Energy Commission's (CEC's) Final Commission Decision for the MGS (TN #28746), as most recently amended on June 20, 2019 by the Errata to Staff Analysis of Petition to Amend the Final Commission Decision (TN #228444).

1.1 Project Location and Description

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 heat recovery steam generators, 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 Annual Compliance Report

This report follows the structure of COC COM-8, which requires the submittal of ACRs containing eleven listed components. Each ACR component is addressed in a separate section of this report. A summary of the compliance demonstration for each annual COC is provided in Section 4. Documents required by specific conditions are provided as attachments to the ACR and identified in Table 4-1. Additional sections are included where information beyond the brief responses provided in Table 4-1 is needed to demonstrate compliance with annual COCs.

2. Updated Compliance Matrix (COM-6, COM-8)

A copy of the updated MGS – CEC Commission Decision Compliance Matrix is provided in Appendix A, as described in Table 4-1 under COC COM-6.

3. Summary of Current Project Operating Status (COM-8)

The facility was fully operational during the reporting period and did not undergo any significant changes during that time.

4. Required Annual Compliance Report Documentation (COM-8)

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

Table 4-1. Required Annual Compliance Report Documentation

Condition of Certification	Response
COM-4	A cover letter has been included with this ACR and the subject line includes the appropriate COC number(s) and a brief description of the subject, as required.
COM-4	This ACR was submitted electronically by e-mail, as requested by the Compliance Project Manager (CPM).

Condition of Certification	Response
COM-6	The updated MGS – CEC Commission Decision Compliance Matrix is provided in Appendix A and includes the technical area, condition number, a brief description of the verification action or submittal required by the condition, the date the submittal is required, the expected and/or actual submittal date, the date a submittal or action was approved, and the compliance status of each condition, as required.
COM-8	This ACR was submitted by the date agreed to by the CPM and identifies the reporting period.
COM-8	An updated compliance matrix has been included in Appendix A and shows the status of all COCs (fully satisfied conditions may be excluded from the compliance matrix upon being reported as completed).
COM-8	A summary of the current project operating status and an explanation of any significant changes to facility operations during the year is included in Section 3 of this ACR.
COM-8	Documents required by specific conditions are provided as attachments to this ACR and are identified in this table, as referenced in the cover letter, with the condition(s) they satisfy.
COM-8	A cumulative list of all approved post-certification changes is included in Section 5 of this ACR.
COM-8	An explanation for any submittal deadlines that were missed, accompanied by an estimate of when the information will be provided, is included in Section 6 of this ACR.
COM-8	A listing of filings submitted to, or permits issued by, other governmental agencies during the year is included in Section 7 of this ACR.
COM-8	A projection of project compliance activities scheduled during the next year is included in Section 8 of this ACR.
COM-8	A listing of the year's additions to the on-site compliance file is included in Section 9 of this ACR.
COM-8	An evaluation of the On-Site Contingency Plan was performed and is described in Section 10 of this ACR, along with any recommended updates.
COM-8	A listing of complaints, notices of violation, official warnings, and citations received during the year, a description of how the issues were resolved, and the status of any unresolved issues is included in Section 11 of this ACR.
COM-8	A listing of all outages planned for the coming year, including the anticipated duration and the reason for each outage, and a listing of all outages that occurred during the previous year are included in Section 12 of this ACR.
COM-12	See the response to COM-8 above.
COM-14	See the response to COM-8 above.
COM-15	See the response to COM-8 above.
AQ-19	The 2023 annual calibration report for the ammonia flow meter is provided in Appendix B.
AQ-20	The 2023 annual calibration report for the Selective Catalytic Reduction (SCR) Temperature Gauge is also provided in Appendix B.
AQ-21	The 2023 annual calibration report for the SCR Pressure Gauge is also provided in Appendix B.
AQ-35	The date of operation, the elapsed time in hours, and the reason for operation of the diesel-fired emergency firewater pump are provided in Appendix C of this ACR. MGS refrained from testing the diesel-fired emergency firewater pump during the same hour that the CTGs were either started or shutdown.
HAZ-1	A copy of MGS' current hazardous materials inventory is included in Appendix D of this ACR.
HAZ-6	Gas pipeline review required under COC HAZ-6 is only required every 5 years. This review was most recently completed in 2020 and is not included with this ACR.
HAZ-7	Seismic event inspections required under COC HAZ-7 are only required every 5 years. These inspections were most recently completed in 2020 and are not included with this ACR.
WASTE-4	Actual waste management methods used during the year were consistent with planned management methods. Additional details are provided in Appendix E.

Condition of Certification	Response
SOIL & WATER-4	An annual water use summary including the monthly range and monthly average of daily usage in gallons per day, the total water used by the project on a monthly and annual basis in acre-feet, and the yearly range and yearly average water use by the project is provided in Appendix F.
SOIL & WATER-5	A summary of all potable water and reclaimed water used for process water during the reporting period is provided in Appendix F. Potable water was not used for process water more than 9 days during the reporting period.
CUL-8	A Station "A" Maintenance Summary Report for the reporting period is provided in Appendix G.
VIS-1	No complaints regarding permanent lighting were received during the reporting period.
VIS-2	All project structures on the MGS site are matching in color to the pre-existing structure of Station "A". No maintenance activities requiring paint reapplication were conducted during the reporting period.
VIS-3	Landscaping and tree maintenance activities performed during the reporting period are as described in the Station "A" Maintenance Summary Report provided in Appendix G.

5. Approved Post-Certification Changes (COM-8)

There were no post-certification changes approved by the CEC during the reporting period.

Prior to this reporting period, the following post-certification changes were initiated, approved by the CEC, or cleared by the CPM, as indicated:

- *Request for Modification of Project Description* was approved by the CEC on December 24, 2003 (TN #30659)
- *Petition to Add Additional Construction Fabrication Area* was submitted on July 2, 2004 (TN #32321) and approved by the CEC on October 8, 2004 (TN #233499)
- *Exemption Request for the Malburg Generating Station* was approved by the CEC on October 22, 2004 (TN #32580)
- *Request to Change Verification Due Dates* was approved by the CEC on August 19, 2005 (TN #35308)
- *Petition to Modify Condition AQ-C10 Regarding Air Emission Limits Related to Cold Startups* was submitted on December 19, 2007 (TN #43854) and approved by the CEC on August 13, 2008 (TN #47579)
- *Petition of Bicent (California) Malburg LLC for Change in Ownership and Operational Control* was submitted on April 10, 2008 (TN #45880) and approved by the CEC on May 21, 2008 (TN #46462)
- *Request to Increase Size of Hypochlorite and Sulfuric Acid Tanks, Malburg Generating Station Project as Allowed by Condition of Certification HAZ-1* was submitted on April 24, 2009 and approved by the CEC on June 1, 2009 (TN #233502)
- *Petition to Amend Air Quality Conditions of Certification for the Malburg Generating Station* was submitted on May 15, 2013 (TN #70938) and approved by the CEC on February 18, 2014 (TN #201826)
- *Petition to Amend, Malburg Generating Station, A+ Turbine Upgrade* was submitted on November 21, 2017 (TN #221848) and approved by the CEC on June 12, 2019 (TN #228800)
- *Request for Authorization to Install Turbine Upgrade Components* was submitted on February 21, 2018 (TN #222641) and approved by the CEC on March 5, 2018 (TN #222876)
- *Petition to Amend, Malburg Generating Station, Site Delineation* was submitted on February 4, 2019 (TN #226450)

- *Petition for Change in Ownership and Operational Control of Malburg Generating Station* was submitted to the CEC on December 15, 2021 (TN #240950) and approved by the CEC on February 8, 2022 (TN #241490)

6. Missed Submittal Deadlines (COM-8)

The following submittal deadlines were missed during the reporting period:

- COC AQ-C13 requires MGS to submit copies of proposed air permit modifications to the CPM within 5 working days of submittal to the South Coast Air Quality Management District (SCAQMD). MGS requested updates to Appendix A of its Title V Operating Permit on June 12, 2023, but failed to copy the CPM on this request. A copy of the request has been included with this ACR in Appendix H.
- COC AQ-24 requires MGS to notify the CPM of the date and time of the scheduled ammonia slip test at least 10 days prior to the test. MGS failed to notify the CPM at least 10 days prior to the ammonia slip test occurring on November 17, 2023. The CPM was instead notified of this test with submittal of the ammonia slip test report on November 28, 2023.

7. Filings or Permits for Other Agencies (COM-8)

7.1 Permits

The following permit was issued by other governmental agencies during the reporting period:

- Title V Facility Permit to Operate, Vernon Public Utilities, Facility ID 195802, Revision #23. Issued by the SCAQMD on July 1, 2023.

7.2 Filings

The following routine compliance filings were submitted to other governmental agencies during the reporting period:

- Title V, Annual Compliance Certification (ACC) to SCAQMD and the United States Environmental Protection Agency (EPA)
- Title V, Semi-Annual Monitoring (SAM) Reports to SCAQMD
- Under the Regional Clean Air Incentives Market (RECLAIM) Program:
  - Daily and monthly electronic Nitrogen Oxides (NOx) emission reports to SCAQMD for MGS' major sources
  - Quarterly Certification of Emission Reports (QCER) to SCAQMD for MGS' major, process, and Rule 219 exempt sources
  - Annual Permit Emissions Program (APEP) report to SCAQMD
- Quarterly 40 Code of Federal Regulations (CFR) 75 Electronic Data Reports (EDRs) to EPA
- Annual Emissions Report (AER) to SCAQMD
- Annual Greenhouse Gas Emissions reporting to the California Air Resources Board (CARB) and EPA
- Source testing notification, test protocol(s), and test report(s) to SCAQMD
- Annual Storm Water Discharge Report to the Los Angeles Regional Water Quality Control Board (RWQCB)
- Annual Wastewater Treatment Surcharge Long Form to the Los Angeles County Sanitation Districts (LACSD)

- Semi-Annual Industrial Wastewater Self-Monitoring Reports to LACSD
- Monthly and Annual Form EIA-923 to the Energy Information Administration (EIA)
- Annual Form EIA-860 to EIA
- 24-month Schedule Outage Notification to the California Independent System Operator (CAISO)
- Annual Hazardous Materials Business Plan (HMBP) Certification in the California Environmental Reporting System (CERS)

The following non-routine compliance filings were also submitted to other governmental agencies during the reporting period:

- Administrative revisions to the Title V Operating Permit to update the list of Rule 219 equipment, submitted to the SCAQMD on June 10, 2023
- Form 500-N Deviation Report for excess ammonia emissions on August 21, 2023, submitted to the SCAQMD on August 31, 2023
- Form 500-N Deviation Report for excess ammonia emissions on August 30, 2023, submitted to the SCAQMD on September 12, 2023

8. Scheduled Compliance Activities for January 1, 2024 to December 31, 2024 (COM-8)

Compliance activities scheduled for the next reporting period include, but are not limited to, the following:

- Annual Compliance Reports
- Semi-Annual Compliance Reports
- Quarterly Compliance Reports
- Daily and Monthly NOx Emission Reports
- Air emission and water source testing
- Updates to the On-Site Contingency Plan, as needed
- Responding to, and maintaining records of, complaints, incidents, and violations
- Building and landscaping maintenance

9. Additions to the On-site Compliance File (COM-8)

All of the items noted in Section 7, which were submitted to agencies other than the CEC, as well as those items submitted to the CEC, have been added to the on-site compliance file.

10. Evaluation of the On-Site Contingency Plan (COM-8)

Significant revisions to MGS' On-Site Contingency Plan were submitted to the CPM on March 1, 2023. These revisions were necessary to reflect changes to the facility owner, facility operator, responsible individuals, etc. Having received no feedback from the CPM since submittal, VPU presumes acceptance of the revisions by the CPM.

Based on VPU's recent review of MGS' On-Site Contingency Plan, only one additional revision is being proposed at this time. To reflect MGS' current insurance coverage, the Commercial Property coverage presented in Table 2 of the On-Site Contingency Plan has been updated to $268 million.

11. Complaints, Notices, Warnings, Citations and Fines (COM-8)

There were no complaints, notices of violation, official warnings, or citations received during the reporting period.

12. Facility Outages (COM-8)

12.1 2023 Outages

The following outages occurred during the reporting period:

- May 21, 2023 00:00 through May 27, 2023 24:00; CTG 1, CTG 2, and STG spring outage, including semi-annual maintenance and auxiliary cooling water system cleaning. No major inspections performed for the CTGs or STG.
- December 1, 2023 00:00 through December 31, 2023 24:00; CTG 1, CTG 2, and STG fall outage, including major outage work such as semi-annual maintenance, CTG 1 and CTG 2 L4 generator inspections and air filtration upgrades/improvements, and STG L1 generator inspection.

12.2 Planned 2024 Outages

The following outages are planned for the upcoming reporting period:

- May 19, 2024 00:00 through May 24, 2024 00:00; CTG 1, CTG 2, and STG spring outage, including semi-annual maintenance. No CTG or STG inspections planned.
- November 3, 2024 00:00 through November 13, 2024 24:00; CTG 1, CTG 2, and STG fall outage, including semi-annual maintenance. Siemens T-3000 software upgrade implementation. No CTG or STG inspections planned.

Appendix A
MGS CEC – Commission Decision Compliance Matrix

Malburg Generating Station
CEC Commission Decision Compliance Matrix
Last Reviewed: January 9, 2024

Condition #	Technical Area	Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
COM-1							Condition completely satisfied.
COM-2	Compliance	Access	The project owner shall grant Energy Commission staff and delegate agencies or consultants unrestricted access to the power plant site and records.	None Specified	N/A	Ongoing	The Malburg Generating Station (MGS) site and records are accessible to Energy Commission staff, delegate agencies, and consultants upon request.
COM-3	Compliance	Compliance Record	The project owner shall maintain project files onsite. Energy Commission staff and delegate agencies shall be given unrestricted access to the files upon request.	None Specified	N/A	Ongoing	Project files are maintained onsite and are accessible to Energy Commission staff, delegate agencies, and consultants upon request.
COM-4	Compliance	Compliance Verification Submittals	The project owner is responsible for the delivery and content of all verification submittals to the CPM. Verification submittals shall include a cover letter meeting the requirements listed in COM-4 and sent to the listed address.	None Specified	As Needed	Ongoing	MGS prepares and delivers all verification submittals to the CPM according to the specified requirements. In accordance with an email request received from the CPM on 12/15/2021, all submittals after that date will be delivered electronically via email (no hard copies).
COM-5							Condition completely satisfied.
COM-6	Compliance	Compliance Matrix	The project owner shall submit a compliance matrix (in a spreadsheet format) with each monthly and annual compliance report which includes the technical area, condition number, a brief description of the verification action or submittal required by the condition, the date the submittal is required, the expected or actual submittal date, the date a submittal or action was approved, and the compliance status of each condition. Satisfied conditions do not need to be included in the compliance matrix after they have been identified as satisfied in at least one monthly or annual compliance report.	None Specified	Annually with the Annual Compliance Report (ACR)	Ongoing	This matrix satisfies the requirement and will be submitted with each ACR. Note that COM-7, requiring monthly reports, has been completely satisfied.
COM-7							Condition completely satisfied.
COM-8	Compliance	Annual Compliance Report	After construction ends and throughout the life of the project, the project owner shall submit ACRs which include eleven specific components. The first ACR is due after the air district has issued a Permit to Operate.	None Specified	Annually with the ACR	Ongoing	ACRs are submitted annually, as required, and include the eleven listed components.
COM-9							Condition completely satisfied.
COM-10							Condition completely satisfied.
COM-11							Condition completely satisfied.
COM-12	Compliance	Reporting of Complaints, Notices and Citations	All recorded inquiries shall be responded to within 24 hours. In addition to the annual compliance reporting requirements, the project owner shall report and provide copies of all complaint forms, notices of violation, notices of fines, official warnings, and citations to the CPM within 10 days of receipt. Complaints shall be logged and numbered, and recorded using the provided forms.	None Specified	Respond within 24 hours; Notification to the CPM within 10 days; Summary annually with the ACR	Ongoing	MGS responds to all complaints within 24 hours of notification; reports all notices, complaints, and citations to the CPM within 10 days of receipt; and includes a summary of all notices, complaints, and citations in the ACR.
COM-13	Compliance	Planned Closure	The project owner shall submit a closure plan including the listed components to the CPM at least twelve months prior to commencement of a planned closure.	None Specified	12 months prior to commencement of a planned closure	Not Started	MGS will submit a closure plan as required at least 12 months in advance of planned facility closure. No action required until that time.

Condition #	Technical Area	Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
COM-14	Compliance	Unplanned Temporary Closure / On-Site Contingency Plan	To ensure that public health and safety and the environment are protected in the event of an unplanned temporary closure, the project owner shall submit an on-site contingency plan including the listed components no less than 60 days prior to commencement of commercial operation. The approved plan must be in place prior to commercial operation of the facility and shall be kept at the site at all times. The project owner, in consultation with the CPM, will update the on-site contingency plan as necessary. The CPM may require revisions to the on-site contingency plan over the life of the project. In the ACRs submitted to the Energy Commission, the project owner will review the on-site contingency plan and recommend changes to bring the plan up to date. Any changes to the plan must be approved by the CPM. In addition, the nature and extent of insurance coverage and major equipment warranties must also be included in the on-site contingency plan and the status must be updated in the ACRs. In the event of an unplanned temporary closure, the project owner shall notify the CPM, as well as other responsible agencies, by telephone, fax, or e- mail, within 24 hours and shall take all necessary steps to implement the on-site contingency plan. The project owner shall keep the CPM informed of the circumstances and expected duration of the closure.	None Specified	Notification within 24 hours of unplanned temporary closure; Plan review annually with the ACR (Update as needed)	Ongoing	MGS will review the on-site contingency plan in conjunction with preparation of the ACRs and recommend changes to bring the plan up to date. MGS will also provide an update on the status of the insurance coverage and major equipment warranties in the ACRs. In the event of an unplanned temporary closure, MGS shall notify the CPM, as well as other responsible agencies, by telephone, fax, or e-mail, within 24 hours and shall take all necessary steps to implement the on-site contingency plan.
COM-15	Compliance	Unplanned Permanent Closure / On-Site Contingency Plan	The on-site contingency plan required for unplanned temporary closure shall also cover unplanned permanent facility closure. All of the requirements specified for unplanned temporary closure shall also apply to unplanned permanent closure. In addition, the on-site contingency plan shall address how the project owner will ensure that all required closure steps will be successfully undertaken in the unlikely event of abandonment. In the event of an unplanned permanent closure, the project owner shall notify the CPM, as well as other responsible agencies, by telephone, fax, or e-mail, within 24 hours and shall take all necessary steps to implement the on-site contingency plan. The project owner shall keep the CPM informed of the status of all closure activities.	None Specified	Notification within 24 hours of unplanned permanent closure; Plan review annually with the ACR (Update as needed)	Ongoing	MGS will review the on-site contingency plan in conjunction with preparation of the ACRs and recommend changes to bring the plan up to date per COC COM-14. MGS will also provide an update on the status of the insurance coverage and major equipment warranties in the ACRs per COC COM-14. In the event of an unplanned permanent closure, MGS shall notify the CPM, as well as other responsible agencies, by telephone, fax, or e-mail, within 24 hours and shall take all necessary steps to implement the on-site contingency plan.

Malburg Generating Station
CEC Commission Decision Compliance Matrix
Last Reviewed: January 9, 2024

Condition #	Technical Area	Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
COM-16	Compliance	Post Certification Changes to the CEC Decision	The project owner must petition the Energy Commission to delete or change a condition of certification, modify the project design or operational requirements and/or transfer ownership of operational control of the facility. A petition is required for amendments and for insignificant project changes (as defined in COC COM-16). For verification changes (as defined in COC COM-16), a letter from the project owner is sufficient. In all cases, the petition or letter requesting a change should be submitted to the Energy Commission's Docket.	None Specified	As Needed	Ongoing	MGS will petition the Energy Commission if revisions to the Decision to delete or change a condition of certification, modify the project design or operational requirements and/or transfer ownership of operational control of the facility are needed. A cumulative listing of all approved post-certification changes is included in each ACR per COC COM-8.
GEN-1							Condition completely satisfied.
GEN-2							Condition completely satisfied.
GEN-3							Condition completely satisfied.
GEN-4							Condition completely satisfied.
GEN-5							Condition completely satisfied.
GEN-6							Condition completely satisfied.
GEN-7							Condition completely satisfied.
GEN-8							Condition completely satisfied.
CIVIL-1							Condition completely satisfied.
CIVIL-2							Condition completely satisfied.
CIVIL-3							Condition completely satisfied.
CIVIL-4							Condition completely satisfied.
STRUC-1							Condition completely satisfied.
STRUC-2							Condition completely satisfied.
STRUC-3							Condition completely satisfied.
STRUC-4							Condition completely satisfied.
MECH-1							Condition completely satisfied.
MECH-2							Condition completely satisfied.
MECH-3							Condition completely satisfied.
ELEC-1							Condition completely satisfied.
TSE-1							Condition completely satisfied.
TSE-2							Condition completely satisfied.
TSE-3							Condition completely satisfied.
TSE-4							Condition completely satisfied.
TSE-5							Condition completely satisfied.
TSE-6							Condition completely satisfied.
TSE-7							Condition completely satisfied.
TSE-8							Condition completely satisfied.
TLSN-1							Condition completely satisfied.
AQ-C1							Condition completely satisfied.
AQ-C2							Condition completely satisfied.
AQ-C3							Condition completely satisfied.
AQ-C4							Condition completely satisfied.

Condition #	Technical Area	Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
AQ-C5	Air Quality	Cooling Tower Circulating Water Chromium	No chromium containing compounds shall be added to cooling tower circulating water.	The Project Owner shall make the site and records available for inspection by representatives of the District, ARB, U.S. EPA and Energy Commission upon request.	N/A	Ongoing	The site and records remain available for inspection by representatives of the District, ARB, U.S. EPA and Energy Commission upon request.
AQ-C6	Air Quality	Cooling Tower Blowdown Water TDS Level	The Project Owner shall determine the TDS level in the blowdown water by independent laboratory testing prior to initial operation and periodically thereafter.	The Project Owner shall submit for approval to the CPM a protocol for initial and weekly testing and the identification of the independent laboratory to be used 90 days prior to cooling tower operation. The Project Owner shall submit weekly TDS reports for the blowdown water as part of the quarterly emission report to the CPM for approval.	Test weekly; Report 30 days after quarter end	Ongoing	MGS shall submit weekly TDS reports for the blowdown water as part of the quarterly emission report to the CPM for approval.
AQ-C7	Air Quality	Cooling Tower PM10 Emissions	PM10 emissions from the cooling tower (in total) shall not exceed 6.2 lb/day. Compliance with the PM10 daily emission limit shall be demonstrated using the provided equation.	The Project Owner shall calculate the daily PM10 emissions from the cooling tower and submit all calculations and results on a quarterly basis in the quarterly emission reports to the CPM for approval.	30 days after quarter end	Ongoing	MGS shall calculate the daily PM10 emissions from the cooling tower and submit all calculations and results on a quarterly basis in the quarterly emission reports to the CPM for approval.
AQ-C8	Air Quality	Firewater Pump Testing	The project owner shall refrain from testing the firewater pump during the same hour as either gas fired combustion turbine is in start up or shut down as defined by Condition of Certification AQ-C9.	The Project Owner shall submit to the CPM for approval all testing times and results of the diesel fired emergency firewater pump in the quarterly emissions report.	30 days after quarter end	Ongoing	MGS shall submit to the CPM for approval all testing times and results of the diesel fired emergency firewater pump in the quarterly emissions report.
AQ-C9	Air Quality	Startup/ Shutdown Definitions	The Project Owner shall use the following definitions to determine compliance with startup, shutdown and any related emission or operational limitations. Startup is defined as beginning when fuel is first delivered to the combustors of the combustion turbine and ending when the combustion turbine reaches all NOx and CO emission limits for normal operation. Shutdown is defined as beginning during normal operation with the intent to shutdown and ends with the secession of fuel being delivered to the combustors of the combustion turbine.	See Verification for Condition of Certification **AQ-6**.	30 days after quarter end	Ongoing	MGS shall submit to the CPM for approval, a record of all startups and shutdowns including duration and date of occurrence on a quarterly basis as part of the quarterly emission report.
AQ-C10	Air Quality	DELETED					This condition was removed in June 2019.

Condition #	Technical Area	Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
AQ-C11	Air Quality	Quarterly Emissions Report	The Project Owner shall submit a quarterly emissions report on a quarterly basis to the CPM for approval. The quarterly emissions report shall generally report all ammonia, NOx, SOx, CO, PM10 and VOC emissions from the Malburg Generation Station as necessary to demonstrate compliance with all emission limits. The fourth quarter emission report shall include an annual summary of all emissions of ammonia, NOx, SOx, CO, PM10 and VOC.	The Project Owner shall submit to the CPM the quarterly emissions report no less than 30 days after the end of each calendar quarter.	30 days after quarter end	Ongoing	MGS shall submit to the CPM the quarterly emissions report no less than 30 days after the end of each calendar quarter.
AQ-C12							Condition completely satisfied.
AQ-C13	Air Quality	Air Permit Modification	The Project Owner shall submit to the CPM for review and approval any modification proposed by either the City or issuing agency to any project air permit.	The Project Owner shall submit any proposed air permit modification to the CPM within five working days of its submittal either by the Project Owner to an agency, or receipt of proposed modifications from an agency. The Project Owner shall submit all modified air permits to the CPM within 15 days of receipt.	Within 5 working days of submittal or receipt for proposed modifications; Within 15 days of receipt for modified permits	Ongoing	MGS shall submit any proposed air permit modification to the CPM within five working days of its submittal either by MGS to an agency, or receipt of proposed modifications from an agency. MGS shall submit all modified air permits to the CPM within 15 days of receipt.
AQ-C14							Condition completely satisfied.
AQ-1	Air Quality	Emissions Discharge	Except for open abrasive blasting operations, the Project Owner shall not discharge into the atmosphere from any single source of emissions whatsoever any contaminant for a period or periods aggregating more than three minutes in any one hour which is: a) As dark or darker in shade as that designated No. 1 on the Ringlelmann Chart, as published by the United States Bureau of Mines; or b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.	The Project Owner shall make the site and records available for inspection by representatives of the District, ARB, U.S. EPA, and Energy Commission upon request.	N/A	Ongoing	The site and records remain available for inspection by representatives of the District, ARB, U.S. EPA and Energy Commission upon request.
AQ-2	Air Quality	Diesel Oil Sulfur Content	The Project Owner shall not use diesel oil containing sulfur compounds in excess of 15 parts per million (ppm) by weight as supplied by the supplier. The operator shall not use diesel fuel containing sulfur compounds in excess of 0.05 percent by weight.	The Project Owner shall submit fuel purchase records for approval to the CPM on a quarterly basis in the quarterly emissions report.	30 days after quarter end	Ongoing	MGS shall submit fuel purchase records for approval to the CPM on a quarterly basis in the quarterly emissions report.
AQ-3	Air Quality	Fuel Purchase Records & Sulfur Content	The Project Owner shall keep records, in a manner approved by the District, for the following parameter(s) or item(s): Purchase records of fuel oil and sulfur content of the fuel.	The Project Owner shall submit fuel purchase records for approval to the CPM on a quarterly basis in the quarterly emissions report.	30 days after quarter end	Ongoing	MGS shall submit fuel purchase records for approval to the CPM on a quarterly basis in the quarterly emissions report.
AQ-4	Air Quality	DELETED					This condition was removed in June 2019.

Condition #	Technical Area	Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
AQ-5	Air Quality	Steam Generator Emissions	The Project Owner shall limit the emissions from both gas fired combustion turbine-heat recovery steam generator train exhaust stacks as follows: - CO: 7,633 lbs in any one month - PM10: 4,876 lbs in any one month - PM2.5: 4,876 lbs in any one month - VOC: 3,236 lbs in any one month - SOx: 227 lbs in any one month. For the purpose of this condition, the limit(s) shall be based on the total combined emissions from equipment D27, D36 (both gas turbines) and D31, D39 (both duct burners). Emission calculations shall be done as specified in COC AQ-5.	The Project Owner shall submit all emission calculations, fuel use, CEM records and a summary demonstrating compliance of all emission limits stated in this Condition for approval to the CPM on a quarterly basis in the quarterly emissions report.	30 days after quarter end	Ongoing	MGS shall submit all emission calculations, fuel use, and a summary demonstrating compliance of all emission limits stated in this Condition for approval to the CPM on a quarterly basis in the quarterly emissions report. CEM records shall be retained onsite and provided upon request.
AQ-6	Air Quality	Startup/ Shutdown Limits	The 2.0 ppm NOx, CO, and VOC emission limits shall not apply during turbine commissioning, start-ups, and shutdowns. Following commissioning, cold start-ups shall not exceed 120 minutes without a trip, and 150 minutes with a trip. Emissions for a cold start-up with or without a trip shall not exceed the following limits: NOx: 122.8 lbs, CO: 204.8 lbs and VOC: 1.75 lbs. Non-cold start-ups shall not exceed 90 minutes without a trip or 120 minutes with a trip. Emissions for a non-cold start-up with or without a trip shall not exceed the following limits: NOx: 51.3 lbs, CO: 59.9 lbs, and VOC: 1.55 lbs. Shutdowns shall not exceed 30 minutes. Emissions for a shutdown shall not exceed the following limits: NOx: 4.5 lbs, CO: 10.8 lbs, and VOC: 0.71 lbs. Each turbine shall be limited to a maximum of 10 startups per month, which includes no more than 5 cold starts per month, with no more than 2 startups in any day. Each turbine shall be limited to a maximum of 56 startups per year, which includes no more than 30 cold startups per year. Written records of commissioning, start-ups and shutdowns shall be kept and made available to the District and submitted to the CPM for approval.	The Project Owner shall submit to the CPM for approval all required records including a record of all startups and shutdowns including duration and date of occurrence on a quarterly basis as part of the quarterly emissions report.	30 days after quarter end	Ongoing	MGS shall submit to the CPM for approval a record of all startups and shutdowns including duration and date of occurrence on a quarterly basis as part of the quarterly emissions report.
AQ-7	Air Quality	DELETED					This condition was removed in June 2019.
AQ-8	Air Quality	DELETED					This condition was removed in June 2019.
AQ-9	Air Quality	NOx Emission Limits	The 2.0 ppmv NOx emissions limit(s) are averaged over 1 hour at 15 percent oxygen, dry basis.	The Project Owner shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report.	30 days after quarter end	Ongoing	MGS shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report.

Condition #	Technical Area	Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
AQ-10	Air Quality	CO Emission Limits	The 2.0 ppmv CO emission limit(s) are averaged over 1 hour at 15 percent oxygen, dry basis.	The Project Owner shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report.	30 days after quarter end	Ongoing	MGS shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report.
AQ-11	Air Quality	VOC Emission Limits	The 2.0 ppmv VOC emission limit(s) are averaged over 1 hour at 15 percent oxygen, dry basis.	The Project Owner shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report.	30 days after quarter end	Ongoing	MGS shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report.
AQ-12	Air Quality	NH3 Emission Limits	The 5 ppm NH3 emission limit(s) are averaged over 1 hour at 15 percent oxygen, dry basis. The Project Owner shall calculate and continuously record the ammonia slip concentration using the provided formula. The Project Owner shall install and maintain a NOx analyzer to measure the SCR inlet NOx ppmv accurate to plus or minus 5 percent and calibrate at least once every 12 months. The calculated NH3 value may not be used for compliance determination without corroborative data using an approved reference method for determination of ammonia.	The Project Owner shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report.	30 days after quarter end	Ongoing	MGS shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report.
AQ-13	Air Quality	Compliance with District Rule 475	For the purpose of determining compliance with District Rule 475, combustion contaminant emissions may exceed the concentration limit or the mass emission limit listed, but not both emission limits at the same time.	The Project Owner shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report.	30 days after quarter end	Ongoing	MGS shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report.
AQ-14	Air Quality	Diesel Fuel Sulfur Content	The Project Owner shall only use diesel fuel containing the following specified compounds: Sulfur less than or equal to 15 ppm by weight.	The Project Owner shall submit fuel purchase records for approval to the CPM on a quarterly basis in the quarterly emissions report.	30 days after quarter end	Ongoing	MGS shall submit fuel purchase records for approval to the CPM on a quarterly basis in the quarterly emissions report.
AQ-15	Air Quality	Diesel Firewater Pump Operating Time	The Project Owner shall limit the operating time of the diesel fueled firewater pump to no more than 200 hours each in any one year. Operations for maintenance and testing as defined in Rule 1470 shall not exceed 50 hours in any one calendar year. The total annual operating time includes all operations including maintenance and testing.	See Verification for Condition of Certification **AQ-C8**.	30 days after quarter end	Ongoing	MGS shall submit to the CPM for approval all testing times and results of the diesel fired emergency firewater pump in the quarterly emissions report.
AQ-16	Air Quality	Ammonia Tank Pressure Relief Valve	The Project Owner shall install and maintain a pressure relief valve set at 25 psig in the ammonia storage tank.	The Project Owner shall make the ammonia storage tank available for inspection by the District, ARB, U.S. EPA and Energy Commission.	N/A	Ongoing	The ammonia storage tank remains accessible for inspection to the District, ARB, U.S. EPA and Energy Commission.

Condition #	Technical Area	Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
AQ-17	Air Quality	Diesel Firewater Pump Hour Meter	The Project Owner shall install and maintain a(n) non-resettable elapsed time meter for the firewater pump to accurately indicate the elapsed operating time of the engine.	The Project Owner shall make the firewater pump available for inspection by the District, ARB, U.S. EPA and Energy Commission.	N/A	Ongoing	The firewater pump remains accessible for inspection to the District, ARB, U.S. EPA and Energy Commission.
AQ-18	Air Quality	Gas Turbine Totalizing Fuel Meter	The Project Owner shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage of the turbines.	The Project Owner shall make the site and records available for inspection by representatives of the District, ARB, U.S. EPA, and Energy Commission upon request.	N/A	Ongoing	The site and records remain accessible for inspection by the District, ARB, U.S. EPA and Energy Commission upon request.
AQ-19	Air Quality	Injected Ammonia Meter and Limits	The Project Owner shall install and maintain a(n) flow meter to accurately indicate the flow rate of the total hourly throughput of injected ammonia (NH3). The Project Owner shall also install and maintain a device to continuously record the parameter being measured. The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months. The project owner shall maintain the ammonia injection rate between 5 lb/hr and 175 lb/hr.	The Project Owner shall submit to the CPM for approval the design drawing that clearly shows the flow meter and recording device for the ammonia injection grid no less than 90 days prior to installation of the ammonia injection grid. The Project Owner shall submit to the CPM for approval the annual calibration report for the flow meter and recording device as part of the ACR.	Annually with the ACR	Ongoing	MGS shall submit to the CPM for approval the annual calibration report for the flow meter and recording device as part of the ACR.
AQ-20	Air Quality	SCR Exhaust Temperature	The Project Owner shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the exhaust at the inlet to the SCR reactor. The Project Owner shall also install and maintain a device to continuously record the parameter being measured. The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months. The exhaust temperature at the inlet of the SCR/CO catalyst shall be maintained between 350 degrees Fahrenheit and 750 degrees Fahrenheit except during startups and shutdowns.	The Project Owner shall submit to the CPM for approval the design drawing that clearly shows the temperature gauge and recording device for the inlet to the SCR reactor no less than 90 days prior to installation of the SCR. The Project Owner shall submit to the CPM for approval the annual calibration report for the temperature gauge and recording device as part of the ACR.	Annually with the ACR	Ongoing	MGS shall submit to the CPM for approval the annual calibration report for the temperature gauge and recording device as part of the ACR.
AQ-21	Air Quality	Differential Pressure Across SCR Catalyst Bed	The Project Owner shall install and maintain a(n) pressure gauge to accurately indicate the differential pressure across the SCR catalyst bed in inches of water column. The Project Owner shall also install and maintain a device to continuously record the parameter being measured. The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months. The pressure drop across the catalyst shall be between 0.15 and 2.0 inches water column.	The Project Owner shall submit to the CPM for approval the design drawing that clearly shows the pressure gauge and recording device across the SCR reactor no less than 90 days prior to installation of the SCR. The Project Owner shall submit to the CPM for approval the annual calibration report for the pressure gauge and recording device as part of the ACR.	Annually with the ACR	Ongoing	MGS shall submit to the CPM for approval the annual calibration report for the pressure gauge and recording device as part of the ACR.

Condition #	Technical Area	Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
AQ-22	Air Quality	DELETED					This condition was removed in June 2019.
AQ-23	Air Quality	Source Testing	The Project Owner shall conduct source test(s) for the pollutant(s) identified below according to the requirements listed in COC AQ-23: - VOC Emissions - SOX Emissions - PM10 Emissions Source testing shall be conducted within 180 days after initial startup of the Siemens A-Plus Turbine Upgrade project and at least once every three years thereafter. The test shall be conducted and the results submitted to the District and the CPM within 60 days after the test date. The District and the CPM shall be notified of the date and time of the test at least 10 days prior to the test.	The Project Owner shall submit for approval to the District and the CPM the required source testing protocol no less than 45 days prior to the date of the source test. The Project Owner shall notify the District and CPM of the date and time of the source test no less than 10 days prior to the test. The Project Owner shall submit to the District and the CPM for approval the results of the source test no later than 60 days following the date of the source test.	Every Three Years; Protocol 45 days prior to source test; Notification 10 days prior to source test; Report 60 days after source test	Ongoing	MGS shall submit for approval to the District and the CPM the required source testing protocol no less than 45 days prior to the date of the source test. MGS shall notify the District and the CPM of the date and time of the source test no less than 10 days prior to the test. MGS shall submit to the District and the CPM for approval the results of the source test no later than 60 days following the date of the source test.
AQ-24	Air Quality	Source Testing	The Project Owner shall conduct source test(s) for the pollutant(s) identified below according to the requirements listed in COC AQ-24: - NH3 Emissions Source testing shall be conducted within 180 days after initial startup of the Siemens A-Plus Turbine Upgrade project and at least annually thereafter. The test shall be conducted and the results submitted to the District and the CPM within 60 days after the test date. The District and the CPM shall be notified of the date and time of the test at least 10 days prior to the test.	The Project Owner shall submit for approval to the District and the CPM the required source testing protocol no less than 45 days prior to the date of the source test. The Project Owner shall notify the District and the CPM of the date and time of the source test no less than 10 days prior to the test. The Project Owner shall submit to the District and the CPM for approval the results of the source test no later than 60 days following the date of the source test.	Annually; Protocol 45 days prior to source test; Notification 10 days prior to source test; Report 60 days after source test	Ongoing	MGS shall submit for approval to the District and the CPM the required source testing protocol no less than 45 days prior to the date of the source test. MGS shall notify the District and the CPM of the date and time of the source test no less than 10 days prior to the test. MGS shall submit to the District and the CPM for approval the results of the source test no later than 60 days following the date of the source test.
AQ-25	Air Quality	CEMS	The Project Owner shall install and maintain a CEMS to measure CO concentration in ppmv. Concentrations shall be corrected to 15 percent oxygen on a dry basis. The CEMS will convert the actual CO concentrations to mass emission rates (lbs/hr) and record the hourly emission rates on a continuous basis. The CEMS shall be installed and operated to measure CO concentration over a 15 minute averaging time period.	The Project Owner shall make the site and records available for inspection by the District, ARB, U.S. EPA and Energy Commission upon request.	N/A	Ongoing	The site and records remain accessible for inspection by the District, ARB, U.S. EPA and Energy Commission upon request.
AQ-26	Air Quality	CEMS	The Project Owner shall install and maintain a CEMS to measure NOx concentration in ppmv. Concentration shall be corrected to 15 percent oxygen on a dry basis.	The Project Owner shall make the site and records available for inspection by the District, ARB, U.S. EPA and Energy Commission upon request.	N/A	Ongoing	The site and records remain accessible for inspection by the District, ARB, U.S. EPA and Energy Commission upon request.

Condition #	Technical Area	Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
AQ-27	Air Quality	Fuel Usage	The Project Owner shall limit the fuel usage of each turbine-duct burner pair to no more than 405 million cubic feet in any one calendar month. For the purpose(s) of this condition, the limit shall be based on the total combined fuel usage for each turbine and associated duct burner. The purpose(s) of this condition is to ensure compliance with the condition AQ-5 monthly emission limits.	The Project Owner shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report.	30 days after quarter end	Ongoing	MGS shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report.
AQ-28	Air Quality	SCR Control System	The Project Owner shall vent combustion turbines and HRSGs to the CO oxidation/SCR control system whenever the turbines are in operation.	The Project Owner shall make the site and records available for inspection by the District, ARB, U.S. EPA and Energy Commission upon request.	N/A	Ongoing	The site and records remain accessible for inspection by the District, ARB, U.S. EPA and Energy Commission upon request.
AQ-29	Air Quality	Ammonia Delivery	The Project Owner shall vent the ammonia storage tank, during filling, only to the vessel from which it is being filled.	The Project Owner shall make the site and records available for inspection by the District, ARB, U.S. EPA and Energy Commission upon request.	N/A	Ongoing	The site and records remain accessible for inspection by the District, ARB, U.S. EPA and Energy Commission upon request.
AQ-30	Air Quality	Definition of Continuously Record	For the purpose of the following condition number(s), “continuously record” shall be defined as recording at least once every hour and shall be calculated upon the average of the continuous monitoring for that hour. Condition of Certification **AQ-18** Condition of Certification **AQ-19**	The Project Owner shall make the site and records available for inspection by the District, ARB, U.S. EPA and Energy Commission upon request.	N/A	Ongoing	The site and records remain accessible for inspection by the District, ARB, U.S. EPA and Energy Commission upon request.
AQ-31	Air Quality	Definition of Continuously Record	For the purpose of the following condition number(s), “continuously record” shall be defined as recording at least once every hour and shall be calculated based upon the average of the continuous monitoring for that month. Condition of Certification **AQ-20**	The Project Owner shall make the site and records available for inspection by the District, ARB, U.S. EPA and Energy Commission upon request.	N/A	Ongoing	The site and records remain accessible for inspection by the District, ARB, U.S. EPA and Energy Commission upon request.

Condition #	Technical Area	Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
AQ-32	Air Quality	NOx RTCs	This equipment shall not be operated unless the facility holds the listed amounts of NOx RECLAIM Trade Credits (RTCs) in its allocation account to offset the annual emissions increase for the first year of operation. The RTCs held to satisfy the first year of operation portion of this condition may be transferred only after one year from the initial start of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the start of operation, the facility holds the listed amounts of NOx RTCs valid during that compliance year. RTCs held to satisfy the compliance year portion of this condition may be transferred only after the compliance year for which the RTCs are held. If the initial or annual hold amount is partially satisfied by holding RTCs that expire midway through the hold period, those RTCs may be transferred upon their respective expiration dates. This hold amount is in addition to any other amount of RTCs required to be held under other condition(s) stated in this permit. Listed amounts: 34,349 lbs for D27 and D36; 6,143 pounds for D31 and D39; 689 lbs for D48.	The Project Owner shall retain records at the project site and make available for review upon request. The Project Owner shall submit to the CPM records of all RTCs held for the facility annually in the fourth Quarterly Operation Report.	Annually (30 days after 4th quarter end)	Ongoing	MGS shall maintain records at the site and make available for review upon request. MGS will submit records of all RTCs held for the facility annually in the fourth Quarterly Operation Report.
AQ-33	Air Quality	Source Testing	The Project Owner shall provide to the District a source test report in accordance with listed specifications: Source test results shall be submitted to the District no later than 60 days after the source test was conducted. Emissions data shall be expressed in terms of concentration (ppmv), corrected to 15 percent oxygen (dry basis), mass rate (lbs/hr), and lbs/mm cubic feet. In addition, solid PM emission, if required to be tested, shall also be reported in terms of grains per DSCF. All exhaust flow rates shall be expressed in terms of dry standard cubic feet per minute (DCFM) and dry actual cubic feet per minute (DACFM). All moisture concentration shall be expressed in terms of % corrected to 15% oxygen. Source test results shall also include turbine fuel flow rate under which the test was conducted. Source test report shall also include the oxygen level in the exhaust, fuel flow rate (CFH), the flue gas temperature, and the turbine and generator output (MW) under which the test was conducted.	The Project Owner shall submit to the CPM the required source test of Conditions of Certification **AQ-21**, **AQ-22 and AQ-23** in compliance with this condition.	Within 60 days of source test completion	Ongoing	MGS shall submit for approval to the District and the CPM the required source test report no later than 60 days after the source test was completed.

Condition #	Technical Area	Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
AQ-34	Air Quality	Recordkeeping	The Project Owner shall keep records, in a manner approved by the District, for the following parameters or items: For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coatings consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings. For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.	The Project Owner shall make the site and records available for inspection by the District, ARB, U.S. EPA and Energy Commission upon request.	N/A	Ongoing	The site and records remain accessible for inspection by the District, ARB, U.S. EPA and Energy Commission upon request.
AQ-35	Air Quality	Recordkeeping	The Project Owner shall keep records, in a manner approved by the District, to demonstrate compliance with the following condition number(s): Condition of Certification **AQ-15** Condition of Certification **AQ-17** The Project Owner shall keep records, in a manner approved by the District, for the following parameter(s) or item(s): Date of operation, the elapsed time, in hours, and the reason for operation of the diesel firewater pump Maintenance and testing hours of operation Hours of operation for emission testing to show rule compliance Other operating hours	The Project Owner shall submit these records to the CPM on an annual basis in the ACR. The Project Owner shall make the site and records available for inspection by representatives of the District, ARB, U.S. EPA, and Energy Commission upon request.	Annually with the ACR	Ongoing	MGS shall keep records of dates of operation, the elapsed time, in hours, and the reason for operation of the diesel firewater pump, maintenance and testing hours of operation, hours of operation for emission testing to show rule compliance, and other operating hours. MGS shall submit these records to the CPM on an annual basis in the ACR. The site and records remain accessible for inspection by the District, ARB, U.S. EPA and Energy Commission upon request.
AQ-36	Air Quality	Recordkeeping	The Project Owner shall keep records, in a manner approved by the District, for the following parameters or items: Operational status of the duct burner and its fuel usage.	See verification of Condition of Certification **AQ-6**.	30 days after quarter end	Ongoing	Records are available upon request and provided quarterly as part of the response to COC AQ-5 and AQ-6.

Condition #	Technical Area	Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
AQ-37	Air Quality	Recordkeeping	The Project Owner shall operate and maintain the diesel firewater pump according to the following requirements: The Project Owner shall change oil and filter every 500 hours of operation or annually, whichever comes first, per Sect. 63.6603(a). The operator has the option of utilizing an oil analysis as described in Sect. 63.6625(i) in order to extend the specified oil change requirement. The Project Owner shall inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary, per Sect. 63.6603(a). The Project Owner shall inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary, per Sect. 63.6603(a). The Project Owner shall operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, per Sect. 63.66259e)(3) and Sect. 63.6640(a). The Project Owner shall maintain records required by Sect. 63.6655(a), Sect. 63.6655(e), and Sect. 63.6660, as applicable, for five years. The records shall be made available to District personnel upon request.	The Project Owner shall make these records available to the CPM upon request.	N/A	Ongoing	MGS operates and maintains the diesel firewater pump according to the requirements and records are available upon on request.

Condition #	Technical Area	Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
AQ-38	Air Quality	Recordkeeping	The operator shall operate and maintain the gas turbines and duct burners according to the following requirements: For the Siemens A-Plus Upgrade Project, total commissioning hours shall not exceed 56.25 hours of fired operation for each turbine from the date of initial turbine upgrade start-up. Of the 56.25 hours, commissioning hours without control shall not exceed 32.5 hours. One turbine may be commissioned at a time. The commissioning for both turbines shall be completed before normal operation for either turbine may commence. The emergency internal combustion engine for fire pump shall not be tested during the commissioning of a turbine. The certified NOx and CO CEMS shall be fully calibrated and operational. The operator shall vent this equipment to the CO oxidation catalyst and SCR control system whenever the turbine is in operation after commissioning is completed. The operator shall maintain records to demonstrate compliance with this condition and shall make such records available to the Executive Officer upon request. The records shall be maintained for a minimum of 5 years in a manner approved by SCAQMD. The records shall include, but not be limited to, the total number of commissioning hours, number of commissioning hours without control, and natural gas fuel usage.	The Project Owner shall make these records available to the CPM upon request.	N/A	Ongoing (Until 5 Year Record Retention Period Complete)	MGS operated and maintained the gas turbines and duct burners according to the requirements during commissioning and records are available upon on request.
AQ-39	Air Quality	Recordkeeping	This equipment is subject to the applicable requirements of the following Rules or Regulations: NOX Subpart KKKK, SO2 Subpart KKKK	The Project Owner shall make these records available to the CPM upon request.	N/A	Ongoing	Records are available upon request.

Malburg Generating Station
CEC Commission Decision Compliance Matrix
Last Reviewed: January 9, 2024

Condition #	Technical Area	Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
AQ-40	Air Quality	Recordkeeping	This equipment is subject to the applicable requirements of the following Rules or Regulations: NOX 40 CFR 75, SO2 40 CFR 75	The Project Owner shall make these records available to the CPM upon request.	N/A	Ongoing	Records are available upon request.
Public Health-1							Condition completely satisfied.
Worker Safety-1							Condition completely satisfied.
Worker Safety-2							Condition completely satisfied.
HAZ-1	Hazardous Materials Management	Use of Hazardous Materials	The Project Owner shall not use any hazardous materials not listed in Appendix C, or in greater quantities than those identified by chemical name in Appendix C, unless approved in advance by City of Vernon and the CPM.	The Project Owner shall provide to the CPM, in the ACR, a list of hazardous materials contained at the facility in reportable quantities.	Annually with the ACR	Ongoing	MGS shall provide to the CPM, in the ACR, a list of hazardous materials contained at the facility in reportable quantities. This list shall be provided as a copy of the most recent Hazardous Materials Inventory submitted to the CUPA.
HAZ-2							Condition completely satisfied.
HAZ-3							Condition completely satisfied.
HAZ-4							Condition completely satisfied.
HAZ-5							Condition completely satisfied.
HAZ-6	Hazardous Materials Management	Gas Pipeline Design Review	The Project Owner shall require that the gas pipeline undergo a complete design review and detailed inspection 30 days after initial startup and every 5 years thereafter.	At least 30 days prior to the initial flow of gas in the pipeline, the Project Owner shall provide an outline of the plan to accomplish a full and comprehensive pipeline design review to the CPM for review and approval. The full and complete plan shall be amended, as appropriate, and submitted to the CPM for review and approval, not later than one year before the plan is implemented by the Project Owner.	Every five years (Update as needed)	Ongoing	The initial requirement of the Condition was completed during construction. Design reviews and pipeline inspections are completed every 5 years. An outline of the plan to accomplish a full and comprehensive pipeline design review and confirmation of completion of each review and inspection are submitted to the CPM every five years.
HAZ-7	Hazardous Materials Management	Gas Pipeline Seismic Event Inspections	After any significant seismic event in the area where surface rupture occurs within one mile of the pipeline, the gas pipeline shall be inspected by the Project Owner.	At least 30 days prior to the initial flow of gas in the pipeline, the Project Owner shall provide a detailed plan to accomplish a full and comprehensive pipeline inspection in the event of an earthquake to the CPM for review and approval. This plan shall be reviewed and amended, as appropriate, and submitted to the CPM for review and approval, at least every five years.	Every five years (Update as needed)	Ongoing	The initial requirement of the Condition was completed during construction. The gas pipeline is inspected after any significant seismic event in the area where surface rupture occurs within one mile of the pipeline. The plan to accomplish a full and comprehensive pipeline inspection in the event of an earthquake is reviewed, amended as appropriate, and submitted to the CPM at least every five years.
HAZ-8							Condition completely satisfied.
WASTE-1							Condition completely satisfied.
WASTE-2							Condition completely satisfied.

Condition #	Technical Area	Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
WASTE-3	Waste Management	Impending Waste Management Related Enforcement Action	Upon becoming aware of any impending waste management related enforcement action by any local, state, or federal authority, the Project Owner shall notify the CPM of any such action taken or proposed to be taken against the project itself, or against any waste hauler or disposal facility or treatment operator with which the owner contracts.	The Project Owner shall notify the CPM in writing within 10 days of becoming aware of an impending enforcement action. The CPM shall notify the Project Owner of any changes that will be required in the manner in which project-related wastes are managed.	Within 10 days of becoming aware of impending enforcement action	Ongoing	MGS shall notify the CPM in writing within 10 days of becoming aware of an impending enforcement action.
WASTE-4	Waste Management	Construction & Operation Waste Management Plans	The Project Owner shall prepare a Construction Waste Management Plan and an Operation Waste Management Plan for all wastes generated during construction and operation of the facility, respectively, and shall submit both plans to the City of Vernon Environmental Health Department and the City of Vernon Fire Department for comment and to the CPM for review and approval. The plans shall contain, at a minimum, a description of all waste streams (projections of frequency, amounts generated and hazard classifications) and methods of managing each waste (treatment methods, companies contracted with for treatment services, waste testing methods to assure correct classification, methods of transportation, disposal requirements and sites, and recycling and waste minimization/reduction plans).	In the Annual Compliance Reports, the Project Owner shall document the actual waste management methods used during the year compared to the planned management methods.	Annually with the ACR	Ongoing	In the ACRs, MGS shall document the actual waste management methods used during the year compared to the planned management methods.
SOIL & WATER-1							Condition completely satisfied.
SOIL & WATER-2							Condition completely satisfied.
SOIL & WATER-3							Condition completely satisfied.
SOIL & WATER-4	Soil & Water	Water Usage Metering & Records	The Project Owner shall install metering devices and record on a monthly basis the amount of water, listed by source (potable and reclaimed) used by the project. The annual summary shall include the monthly range and monthly average of daily usage in gallons per day, and total water used by the project on a monthly and annual basis in acre-feet. The annual summary shall also include the yearly range and yearly average water use by the project. This information shall be supplied to the CPM.	The Project Owner shall submit an annual water use summary to the CPM as part of its annual compliance report for the life of the project.	Annually with the ACR	Ongoing	MGS shall submit an annual water use summary containing the required components as part of the ACR.
SOIL & WATER-5	Soil & Water	Potable Water Usage	The Project Owner shall not use potable water for process cooling water for more than 9 days (216 hours) per calendar year.	The Project Owner shall include a detailed summary of all potable water and reclaimed water used for process water in the ACR. If use of potable water exceeds 9 days per year, the Project Owner shall be subject to noncompliance procedures and enforcement action described in the General Compliance Conditions.	Annually with the ACR	Ongoing	MGS shall include a detailed summary of all potable water and reclaimed water used for process water in the ACR.
SOIL/ WATER-6							Condition completely satisfied.
SOIL/ WATER-7							Condition completely satisfied.
CUL-1							Condition completely satisfied.
CUL-2							Condition completely satisfied.
CUL-3							Condition completely satisfied.

Condition #	Technical Area	Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
CUL-4							Condition completely satisfied.
CUL-5							Condition completely satisfied.
CUL-6							Condition completely satisfied.
CUL-7							Condition completely satisfied.
CUL-8	Cultural Resources	Station A Maintenance	The Project Owner shall ensure that Station A is maintained in accordance with the Secretary of the Interior's Standards for the Treatment of Historic Properties (1995) (36 CFR Part 68). The Project Owner shall provide a summary of maintenance activities completed within each calendar year.	In each ACR, the Project Owner shall include the summary of Station A maintenance activities completed within the last calendar year.	Annually with the ACR	Ongoing	MGS shall submit a summary of observed Station A maintenance activities completed within the last calendar year in the ACR.
PAL-1							Condition completely satisfied.
PAL-2							Condition completely satisfied.
PAL-3							Condition completely satisfied.
PAL-4							Condition completely satisfied.
PAL-5							Condition completely satisfied.
PAL-6							Condition completely satisfied.
PAL-7							Condition completely satisfied.
LAND-1							Condition completely satisfied.
LAND-2							Condition completely satisfied.
TRANS-1							Condition completely satisfied.
TRANS-2							Condition completely satisfied.
TRANS-3							Condition completely satisfied.
TRANS-4							Condition completely satisfied.
TRANS-5							Condition completely satisfied.
TRANS-6							Condition completely satisfied.
TRANS-7							Condition completely satisfied.
TRANS-8	Traffic & Transportation	Truck Travel Routes for Aqueous Ammonia	The Project Owner shall only use the preferred and alternate truck travel routes for deliveries of aqueous ammonia to the MGS site. The preferred route shall be from Interstate 710, exiting at the Bandini Boulevard. Trucks will then travel west along Bandini Boulevard, south on Soto Avenue, and finally west on 50th Street to the MGS. The City shall use this route unless it notifies the CPM otherwise and the CPM approves.	The final preferred and alternative truck travel routes for aqueous ammonia delivery will be submitted to the CPM for approval 30 days prior to the first delivery of aqueous ammonia to the MGS. During operations, the Project Owner may alter the final truck travel route only upon prior approval of the CPM.	As Needed	Ongoing	The originally mandated route and alternate route have been communicated to the aqueous ammonia supplier and use of these routes is mandated by MGS. MGS may alter the final truck travel route only upon prior approval of the CPM.
TRANS-9							Condition completely satisfied.

Condition #	Technical Area	Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
VIS-1	Visual Resources	Lighting Installation	The Project Owner shall design and install all permanent lighting such that light bulbs and reflectors are not visible from public viewing areas; lighting does not cause reflected glare; and illumination of the project, the vicinity, and the nighttime sky is minimized. To meet these requirements, the Project Owner shall ensure that: a) Lighting shall be designed so exterior light fixtures are hooded, with lights directed downward or toward the area to be illuminated and so that backscatter to the nighttime sky is minimized. The design of the lighting shall be such that the luminescence or light source is shielded to prevent light trespass outside the project boundary; b) All lighting shall be of minimum necessary brightness consistent with worker safety; c) High illumination areas not occupied on a continuous basis (such as maintenance platforms) shall have switches or motion detectors to light the area only when occupied; d) A lighting complaint resolution form (following the general format of that in Appendix VR-1 attached hereto) shall be used by plant operations to record all lighting complaints received and document the resolution of those complaints. All records of lighting complaints shall be kept in the onsite compliance file.	The Project Owner shall report any complaints about permanent lighting and provide documentation of resolution in the ACR, accompanied by any lighting complaint resolution forms for that year.	Annually with the ACR	Ongoing	MGS shall report any complaints about permanent lighting and provide documentation of resolution in the ACR, accompanied by any lighting complaint resolution forms for that year.
VIS-2	Visual Resources	Structure Painting	The Project Owner shall paint or treat the surfaces of all project structures and buildings visible to the public in a gray color to blend with the existing Station A building. Surfaces shall be treated with finishes that minimize glare. The Project Owner shall ensure proper treatment maintenance for the life of the project.	At least 30 days prior to the start of commercial operation, the Project Owner shall notify the CPM that all buildings and structures are ready for inspection. The Project Owner shall provide a status report regarding treatment maintenance in the ACR.	Annually with the ACR	Ongoing	MGS shall provide a status report regarding treatment maintenance in the ACR.
VIS-3	Visual Resources	Tree Planting	The Project Owner shall plant trees along the east side of the MGS site to enhance views of the new power plant from Soto Street, consistent with The Project Owner General Plan policy 1.3. The Project Owner shall ensure proper maintenance of the trees for the life of the project.	At least 30 days prior to the start of commercial operation, the Project Owner shall notify the CPM that the trees are ready for inspection. The Project Owner shall provide a status report regarding tree maintenance in the ACR.	Annually with the ACR	Ongoing	MGS shall provide a status report regarding tree maintenance in the ACR.
VIS-4							Condition completely satisfied.
NOISE-1							Condition completely satisfied.

Condition #	Technical Area	Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
NOISE-2	Noise & Vibration	Noise Complaints	Throughout the construction and operation of the project, the Project Owner shall document, investigate, evaluate, and attempt to resolve all project related noise complaints. The Project Owner or authorized agent shall: - Use the Noise Complaint Resolution Form (see Exhibit 1), or functionally equivalent procedure acceptable to the CPM, to document and respond to each noise complaint; - Attempt to contact the person(s) making the noise complaint within 24 hours; - Conduct an investigation to determine the source of noise related to the complaint; - If the noise is project related, take all feasible measures to reduce the noise at its source; and - Submit a report documenting the complaint and the actions taken. The report shall include a complaint summary, including final results of noise reduction efforts; and, if obtainable, a signed statement by the complainant stating that the noise problem is resolved to the complainant's satisfaction.	Within 30 days of receiving a noise complaint, the Project Owner shall file a copy of the Noise Complaint Resolution Form, or similar instrument approved by the CPM, with the City of Vernon Director of Community Services & Water and the City of Huntington Park Senior Planner and with the CPM, documenting the resolution of the complaint. If mitigation is required to resolve a complaint, and the complaint is not resolved within a 30-day period, the Project Owner shall submit an updated Noise Complaint Resolution Form when the mitigation is finally implemented.	Within 30 days of receipt of complaint	Ongoing	Within 30 days of receiving a noise complaint, MGS shall file a copy of the Noise Complaint Resolution Form, or similar instrument approved by the CPM, with the City of Vernon Director of Community Services & Water and the City of Huntington Park Senior Planner and with the CPM, documenting the resolution of the complaint.
NOISE-3							Condition completely satisfied.
NOISE-4							Condition completely satisfied.
NOISE-5							Condition completely satisfied.
NOISE-6							Condition completely satisfied.
NOISE-7							Condition completely satisfied.
NOISE-8							Condition completely satisfied.

Appendix B
2023 Calibration Reports

Rosemount Service
8200 Market Blvd.
Chanhassen, MN 55317
T: 800-654-7768
F: 952-906-8844

EMERSON.
Process Management

May 23, 2023

CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

Contact Information

Purchase Order:	MGS18939	**Service Request:**	1875530
Customer Name:	Colorado Energy Management, LLC	**Quote#:**	4705671-IVS
Location/Project:	0	**Sales Representative:**	Richard Tse
Address 1:	4963 S Soto St Vernon, CA 90058Vernon, C	**Phone:**	6613453675
Address 2:		**Email:**	Richard.Tse@emerson.com
Customer Contact:	Ian Everts	**Service Representative:**	Stevie Day
Phone:	323-350-3481	**Phone:**	657 291 4328
Email:	ieverts@heorotpower.com	**Email:**	Stevie.Day@emerson.com

1NH3

Device Information

Device Type: Pressure Transmitter		**Serial Number:**	**332186**
Device Tag: 11 HSJJ50 CF0100 FT FIT 18		**Range:**	**0 To 10 IN H2O**
Model: 3051CD1A02A1AS5M5Q4E5			

Test Equipment Used

Asset #	Description	Calibration Due
0	0	0-Jan-00
PS-01349	FLUKE 700PD7	26-Dec-19
ES-01410	FLUKE 754	1_17_24
ES-01410	FLUKE 754	1_17_24
PS-01477	FLUKE 750PDS2	1_17_24

As Found Calibration Data

Specified Range IN H2O	Applied % Of Span	Applied IN H2O	Specified Analog Output In mA	Output Tolerance +/-	Indicated Digital Output In IN H2O	Measured Analog Output In mA	Pass/Fail
0.000	0.00	0.000	4.0000	0.080	-0.003	3.9000	Fail
2.500	25.00	2.500	8.0000	0.080	2.143	7.7720	Fail
5.000	50.00	5.000	12.0000	0.080	5.210	15.4910	Fail
7.500	75.00	7.500	16.0000	0.080	7.620	17.5380	Fail
10.000	100.00	10.000	20.0000	0.080	10.230	20.0050	Fail

As Left Calibration Data

0.000	0.00	0.000	4.0000	0.080	0.000	4.0000	Pass
2.500	25.00	2.500	8.0000	0.080	2.510	7.9980	Pass
5.000	50.00	5.000	12.0000	0.080	5.010	11.9970	Pass
7.500	75.00	7.500	16.0000	0.080	7.510	15.9980	Pass
10.000	100.00	10.000	20.0000	0.080	10.000	19.9970	Pass

Certification

This is to validate that the listed product performs within the acceptable performance variation of the test equipment. Measuring and test equipment used in the inspection and validation of the listed product are traceable to the National Institute of Standards and Technology.

Stevie Day

Stevie Day
Rosemount Service Representative
PH: 657 291 4328

May 23, 2023
Date

Rosemount Service
8200 Market Blvd.
Chanhassen, MN 55317
T: 800-654-7768
F: 952-906-8844

May 23, 2023

CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

Contact Information

Purchase Order:	MGS18939	**Service Request:**	1875530
Customer Name:	Colorado Energy Management, LLC	**Quote#:**	4705671-IVS
Location/Project:	0	**Sales Representative:**	Richard Tse
Address 1:	4963 S Soto St Vernon, CA 90058Vernon, CA 90058	**Phone:**	6613453675
Address 2:		**Email:**	Richard.Tse@emerson.com
Customer Contact:	Ian Everts	**Service Representative:**	Stevie Day
Phone:	323-350-3481	**Phone:**	657 291 4328
Email:	ieverts@heorotpower.com	**Email:**	Stevie.Day@emerson.com

Device Information

CT1 FUEL

Device Type: Multivariable
Device Tag: FTCTI 11-MBP05
Model: 3051SFA1G040CCHPS1T100T33JA1A3Q4E5M5
Serial #: 47659

Calibration Range Data

Static Pressure Range:	0	To	475	PSI
Differential Pressure Range:	0	To	143	InH2O
Temperature Range:	0	To	200	F
Analog Output Range:	4	To	20	mA

Test Equipment Used

Asset #	Description	Calibration Due
0	0	0-Jan-00
PS-01349	FLUKE 700PD7	26-Dec-19
ES-01410	FLUKE 754	1_17_24
ES-01410	FLUKE 754	1_17_24
PS-01477	FLUKE 750PDS2	1_17_24

As Found Calibration Data

	Static Pressure				Differential Pressure			
Target % Of Span	Specified Range in PSI	Applied PSI	Indicated Static Pressure in PSI	Pass Fail +/- 0.25 PSI	Specified Range InH2O	Applied InH2O	Indicated Differential Pressure InH2O	Pass Fail +/- 25.000 % Reading
0.00	0.00	0.000	0.010	Pass	0.00	0.000	0.010	Pass
25.00	118.75	118.750	118.770	Pass	35.75	35.750	37.730	Pass
50.00	237.50	237.500	237.530	Pass	71.50	71.500	71.540	Pass
75.00	356.25	356.250	356.280	Pass	107.25	107.250	107.252	Pass
100.00	475.00	475.000	475.040	Pass	143.00	143.000	143.030	Pass
	Temperature				**Analog Out**			
Target % Of Span	Specified Range Deg F	Applied Deg F	Indicated Digital Temp Deg F	Pass Fail +/- 0.67 Deg F	Specified Range mA	Simulated mA	Indicated Output mA	Pass Fail +/- 0.2500 mA
0.00	0.00	0.00	0.290	Pass	4.0000	4.0000	4.0000	Pass
25.00	50.00	50.00	49.930	Pass	8.0000	8.0000	7.9960	Pass
50.00	100.00	100.00	99.840	Pass	12.0000	12.0000	11.9960	Pass
75.00	150.00	150.00	149.720	Pass	16.0000	16.0000	15.9960	Pass
100.00	200.00	200.00	200.210	Pass	20.0000	20.0000	19.9960	Pass

As Left Calibration Data

	Static Pressure				Differential Pressure			
Target % Of Span	Specified Range in PSI	Applied PSI	Indicated Static Pressure in PSI	Pass Fail +/- 0.25 PSI	Specified Range InH2O	Applied InH2O	Indicated Differential Pressure InH2O	Pass Fail +/- 25.000 % Reading
0.00	0.00	0.000	0.010	Pass	0.00	0.000	0.000	Pass
25.00	118.75	118.750	118.770	Pass	35.75	35.750	35.760	Pass
50.00	237.50	237.500	237.530	Pass	71.50	71.500	71.520	Pass
75.00	356.25	356.250	356.280	Pass	107.25	107.250	107.240	Pass
100.00	475.00	475.000	475.040	Pass	143.00	143.000	143.010	Pass
	Temperature				**Analog Out**			
Target % Of Span	Specified Range Deg F	Applied Deg F	Indicated Digital Temp Deg F	Pass Fail +/- 0.67 Deg F	Specified Range mA	Simulated mA	Indicated Output mA	Pass Fail +/- 0.2500 mA
0.00	0.00	0.00	0.290	Pass	4.0000	4.0000	4.0000	Pass
25.00	50.00	50.00	49.930	Pass	8.0000	8.0000	8.0000	Pass
50.00	100.00	100.00	99.840	Pass	12.0000	12.0000	12.0000	Pass
75.00	150.00	150.00	149.720	Pass	16.0000	16.0000	16.0000	Pass
100.00	200.00	200.00	200.210	Pass	20.0000	20.0000	20.0000	Pass

Certification

This is to validate that the listed product performs within the acceptable performance variation of the test equipment. Measuring and test equipment used in the inspection and validation of the listed product are traceable to the National Institute of Standards and Technology.

Stevie Day

Stevie Day
Rosemount Service Representative
PH: 657 291 4328

May 23, 2023
Date

Rosemount Service
8200 Market Blvd.
Chanhassen, MN 55317
T: 800-654-7768
F: 952-906-8844

May 23, 2023

CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

Contact Information

Purchase Order:	MGS18939	**Service Request:**	1875530
Customer Name:	Colorado Energy Management, LLC	**Quote#:**	4705671-IVS
Location/Project:	0	**Sales Representative:**	Richard Tse
Address 1:	4963 S Soto St Vernon, CA 90058Vernon, CA 90058	**Phone:**	6613453675
Address 2:		**Email:**	Richard.Tse@emerson.com
Customer Contact:	Ian Everts	**Service Representative:**	Stevie Day
Phone:	323-350-3481	**Phone:**	657 291 4328
Email:	ieverts@heorotpower.com	**Email:**	Stevie.Day@emerson.com

Device Information

1 DB GAS

Device Type: Multivariable
Device Tag: 11 HHA10-CF001 A DCUCT1
Model: 3095MA3CA00116AA00NOBS5
Serial #: 336124

Calibration Range Data

Static Pressure Range:	0	To	500	PSI
Differential Pressure Range:	0	To	250	InH2O
Temperature Range:	0	To	200	F
Analog Output Range:	4	To	20	mA

Test Equipment Used

Asset #	Description	Calibration Due
0	0	0-Jan-00
PS-01477	FLUKE 750PDS2	26-Dec-19
PS-01266	FLUKE 700PD3	26-Dec-19
PS-01349	FLUKE 700PD7	26-Dec-19

As Found Calibration Data

	Static Pressure				Differential Pressure			
Target % Of Span	Specified Range in PSI	Applied PSI	Indicated Static Pressure in PSI	Pass Fail +/- 0.5 PSI	Specified Range InH2O	Applied InH2O	Indicated Differential Pressure InH2O	Pass Fail +/- 0.5 InH2O
0.00	0.00	0.000	0.004	Pass	0.00	0.000	-0.200	Pass
25.00	125.00	125.000	125.500	Pass	62.50	62.500	62.400	Pass
50.00	250.00	250.000	250.600	Fail	125.00	125.000	124.900	Pass
75.00	375.00	375.000	375.600	Fail	187.50	187.500	187.400	Pass
100.00	500.00	500.000	500.500	Pass	250.00	250.000	249.900	Pass
	Temperature				**Analog Out**			
Target % Of Span	Specified Range Deg F	Applied Deg F	Indicated Digital Temp Deg F	Pass Fail +/- 1.01 Deg F	Specified Range mA	Simulated mA	Indicated Output mA	Pass Fail +/- 0.0120 mA
0.00	0.00	0.00	0.440	Pass	4.0000	4.0000	3.9990	Pass
25.00	50.00	50.00	50.350	Pass	8.0000	8.0000	7.9990	Pass
50.00	100.00	100.00	100.310	Pass	12.0000	12.0000	11.9990	Pass
75.00	150.00	150.00	150.300	Pass	16.0000	16.0000	15.9990	Pass
100.00	200.00	200.00	200.340	Pass	20.0000	20.0000	19.9990	Pass

As Left Calibration Data

	Static Pressure				Differential Pressure			
Target % Of Span	Specified Range in PSI	Applied PSI	Indicated Static Pressure in PSI	Pass Fail +/- 0.5 PSI	Specified Range InH2O	Applied InH2O	Indicated Differential Pressure InH2O	Pass Fail +/- 0.5 InH2O
0.00	0.00	0.000	0.004	Pass	0.00	0.000	0.000	Pass
25.00	125.00	125.000	125.500	Pass	62.50	62.500	62.600	Pass
50.00	250.00	250.000	250.400	Pass	125.00	125.000	125.100	Pass
75.00	375.00	375.000	375.400	Pass	187.50	187.500	187.520	Pass
100.00	500.00	500.000	500.500	Pass	250.00	250.000	250.080	Pass
	Temperature				**Analog Out**			
Target % Of Span	Specified Range Deg F	Applied Deg F	Indicated Digital Temp Deg F	Pass Fail +/- 1.01 Deg F	Specified Range mA	Simulated mA	Indicated Output mA	Pass Fail +/- 0.0120 mA
0.00	0.00	0.00	0.440	Pass	4.0000	4.0000	4.0000	Pass
25.00	50.00	50.00	50.350	Pass	8.0000	8.0000	7.9990	Pass
50.00	100.00	100.00	100.310	Pass	12.0000	12.0000	12.0000	Pass
75.00	150.00	150.00	150.300	Pass	16.0000	16.0000	16.0000	Pass
100.00	200.00	200.00	200.340	Pass	20.0000	20.0000	20.0000	Pass

Certification

This is to validate that the listed product performs within the acceptable performance variation of the test equipment. Measuring and test equipment used in the inspection and validation of the listed product are traceable to the National Institute of Standards and Technology.

Stevie Day

Stevie Day
Rosemount Service Representative
PH: 657 291 4328

May 23, 2023
Date

Rosemount Service
8200 Market Blvd.
Chanhassen, MN 55317
T: 800-654-7768
F: 952-906-8844

EMERSON.
Process Management

May 23, 2023

CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

Contact Information

Purchase Order:	MGS18939	**Service Request:**	1875530
Customer Name:	Colorado Energy Management, LLC	**Quote#:**	4705671-IVS
Location/Project:	0	**Sales Representative:**	Richard Tse
Address 1:	4963 S Soto St Vernon, CA 90058Vernon, C	**Phone:**	6613453675
Address 2:		**Email:**	Richard.Tse@emerson.com
Customer Contact:	Ian Everts	**Service Representative:**	Stevie Day
Phone:	323-350-3481	**Phone:**	657 291 4328
Email:	ieverts@heorotpower.com	**Email:**	Stevie.Day@emerson.com

Device Information 1 SCR CAT

Device Type: Pressure Transmitter		**Serial Number:**	**2161036**
Device Tag: 11HBK70CP010		**Range:**	**0 To 2.5 IN H2O**
Model: EJA110A			

Test Equipment Used

Asset #	Description	Calibration Due
0	0	0-Jan-00
PS-01477	FLUKE 750PDS2	26-Dec-19
PS-01266	FLUKE 700PD3	26-Dec-19
PS-01349	FLUKE 700PD7	26-Dec-19

As Found Calibration Data

Specified Range IN H2O	Applied % Of Span	Applied IN H2O	Specified Analog Output In mA	Output Tolerance +/-	Indicated Digital Output In IN H2O	Measured Analog Output In mA	Pass/Fail
0.000	0.00	0.000	4.0000	0.080	-0.070	3.9430	Fail
0.625	25.00	0.625	8.0000	0.080	0.611	7.9110	Fail
1.250	50.00	1.250	12.0000	0.080	1.220	11.8800	Fail
1.875	75.00	1.875	16.0000	0.080	1.867	15.8810	Fail
2.500	100.00	2.500	20.0000	0.080	2.471	19.8140	Fail

As Left Calibration Data

0.000	0.00	0.000	4.0000	0.080	0.010	3.9990	Pass
0.625	25.00	0.625	8.0000	0.080	0.630	8.0300	Pass
1.250	50.00	1.250	12.0000	0.080	1.260	12.0040	Pass
1.875	75.00	1.875	16.0000	0.080	1.875	15.9940	Pass
2.500	100.00	2.500	20.0000	0.080	2.502	20.0040	Pass

Certification

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Stevie Day

Stevie Day
Rosemount Service Representative
PH: 657 291 4328

May 23, 2023
Date

Rosemount Service
8200 Market Blvd.
Chanhassen, MN 55317
T: 800-654-7768
F: 952-906-8844

May 24, 2023

CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

Contact Information

Purchase Order:	MGS18939	**Service Request:**	1875530
Customer Name:	Colorado Energy Management, LLC	**Quote#:**	4705671-IVS
Location/Project:	0	**Sales Representative:**	Richard Tse
Address 1:	4963 S Soto St Vernon, CA 90058Vernon, CA	**Phone:**	6613453675
Address 2:		**Email:**	Richard.Tse@emerson.com
Customer Contact:	Ian Everts	**Service Representative:**	Stevie Day
Phone:	323-350-3481	**Phone:**	657 291 4328
Email:	ieverts@heorotpower.com	**Email:**	Stevie.Day@emerson.com

Device Information

HRSG1 TEMP

Device Type: Temperature Transmitter	**Serial #: 9029687**	**Range: 0 to 800 Deg. F**
Device Tag: 11HBK70CT031	**Sensor Type: Type K**	
Model: YTA110		

Test Equipment Used

Asset #	Description	Calibration Due
0	0	0-Jan-00
PS-01477	FLUKE 750PDS2	26-Dec-19
PS-01266	FLUKE 700PD3	26-Dec-19
PS-01349	FLUKE 700PD7	26-Dec-19

As Found Calibration Data

Specified Range Deg F	Applied % Of Span	Applied Deg F	Specified Analog Output In mA	Output Tolerance +/-	Indicated Digital Output In F	Measured Analog Output In mA	Pass/Fail
0.00	0.00	0.00	4.0000	0.080	-0.03	3.9900	Pass
200.00	25.00	200.00	8.0000	0.080	200.00	7.9970	Pass
400.00	50.00	400.00	12.0000	0.080	400.06	11.9980	Pass
600.00	75.00	600.00	16.0000	0.080	599.75	15.9980	Pass
800.00	100.00	800.00	20.0000	0.080	799.77	19.9970	Pass

As Left Calibration Data

0.00	0.00	0.00	4.0000	0.080	-0.03	3.9900	Pass
200.00	25.00	200.00	8.0000	0.080	200.00	7.9970	Pass
400.00	50.00	400.00	12.0000	0.080	400.06	11.9980	Pass
600.00	75.00	600.00	16.0000	0.080	599.75	15.9980	Pass
800.00	100.00	800.00	20.0000	0.080	799.77	19.9970	Pass

Certification

This is to validate that the listed product performs within the acceptable performance variation of the test equipment. Measuring and test equipment used in the inspection and validation of the listed product are traceable to the National Institute of Standards and Technology.

Stevie Day

Stevie Day
Rosemount Service Representative
PH: 657 291 4328

May 24, 2023
Date

Rosemount Service
8200 Market Blvd.
Chanhassen, MN 55317
T: 800-654-7768
F: 952-906-8844

May 23, 2023

CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

Contact Information

Purchase Order:	MGS18939	**Service Request:**	1875530
Customer Name:	Colorado Energy Management, LLC	**Quote#:**	4705671-IVS
Location/Project:	0	**Sales Representative:**	Richard Tse
Address 1:	4963 S Soto St Vernon, CA 90058Vernon, CA	**Phone:**	6613453675
Address 2:		**Email:**	Richard.Tse@emerson.com
Customer Contact:	Ian Everts	**Service Representative:**	Stevie Day
Phone:	323-350-3481	**Phone:**	657 291 4328
Email:	ieverts@heorotpower.com	**Email:**	Stevie.Day@emerson.com

Device Information HRSG1 TEMP

Device Type: Temperature Transmitter	**Serial #: 9029700**	**Range: 0 to 800 Deg. F**
Device Tag: 11HBK70CT030	**Sensor Type: Type K**	
Model: YTA110		

Test Equipment Used

Asset #	Description	Calibration Due
0	0	0-Jan-00
PS-01477	FLUKE 750PDS2	26-Dec-19
PS-01266	FLUKE 700PD3	26-Dec-19
PS-01349	FLUKE 700PD7	26-Dec-19

As Found Calibration Data

Specified Range Deg F	Applied % Of Span	Applied Deg F	Specified Analog Output In mA	Output Tolerance +/-	Indicated Digital Output In F	Measured Analog Output In mA	Pass/Fail
0.00	0.00	0.00	4.0000	0.080	0.00	3.9940	Pass
200.00	25.00	200.00	8.0000	0.080	199.97	7.9960	Pass
400.00	50.00	400.00	12.0000	0.080	399.97	11.9980	Pass
600.00	75.00	600.00	16.0000	0.080	599.98	15.9980	Pass
800.00	100.00	800.00	20.0000	0.080	799.98	19.9980	Pass

As Left Calibration Data

0.00	0.00	0.00	4.0000	0.080	0.00	3.9940	Pass
200.00	25.00	200.00	8.0000	0.080	199.97	7.9960	Pass
400.00	50.00	400.00	12.0000	0.080	399.97	11.9980	Pass
600.00	75.00	600.00	16.0000	0.080	599.98	15.9980	Pass
800.00	100.00	800.00	20.0000	0.080	799.98	19.9980	Pass

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Stevie Day

Stevie Day
Rosemount Service Representative
PH: 657 291 4328

May 23, 2023
Date

Rosemount Service
8200 Market Blvd.
Chanhassen, MN 55317
T: 800-654-7768
F: 952-906-8844

May 23, 2023

CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

Contact Information

Purchase Order:	MGS18939	**Service Request:**	1875530
Customer Name:	Colorado Energy Management, LLC	**Quote#:**	4705671-IVS
Location/Project:	0	**Sales Representative:**	Richard Tse
Address 1:	4963 S Soto St Vernon, CA 90058Vernon, CA	**Phone:**	6613453675
Address 2:		**Email:**	Richard.Tse@emerson.com
Customer Contact:	Ian Everts	**Service Representative:**	Stevie Day
Phone:	323-350-3481	**Phone:**	657 291 4328
Email:	ieverts@heorotpower.com	**Email:**	Stevie.Day@emerson.com

Device Information

Device Type: Temperature Transmitter	**Serial #: 9029699**	**Range: 0 to 800 Deg. F**
Device Tag: 21HBK70CT030	**Sensor Type: Type K**	
Model: YTA110		

Test Equipment Used

HRSG2 TEMP

Asset #	Description	Calibration Due
0	0	0-Jan-00
PS-01477	FLUKE 750PDS2	26-Dec-19
PS-01266	FLUKE 700PD3	26-Dec-19
PS-01349	FLUKE 700PD7	26-Dec-19

As Found Calibration Data

Specified Range Deg F	Applied % Of Span	Applied Deg F	Specified Analog Output In mA	Output Tolerance +/-	Indicated Digital Output In F	Measured Analog Output In mA	Pass/Fail
0.00	0.00	0.00	4.0000	0.080	0.25	4.0000	Pass
200.00	25.00	200.00	8.0000	0.080	199.98	7.9980	Pass
400.00	50.00	400.00	12.0000	0.080	399.98	11.9980	Pass
600.00	75.00	600.00	16.0000	0.080	599.97	15.9980	Pass
800.00	100.00	800.00	20.0000	0.080	799.98	19.9970	Pass

As Left Calibration Data

0.00	0.00	0.00	4.0000	0.080	0.25	4.0000	Pass
200.00	25.00	200.00	8.0000	0.080	199.98	7.9980	Pass
400.00	50.00	400.00	12.0000	0.080	399.98	11.9980	Pass
600.00	75.00	600.00	16.0000	0.080	599.97	15.9980	Pass
800.00	100.00	800.00	20.0000	0.080	799.98	19.9970	Pass

Certification

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Stevie Day

Stevie Day
Rosemount Service Representative
PH: 657 291 4328

May 23, 2023
Date

Rosemount Service
8200 Market Blvd.
Chanhassen, MN 55317
T: 800-654-7768
F: 952-906-8844

May 23, 2023

CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

Contact Information

Purchase Order:	MGS18939	**Service Request:**	1875530
Customer Name:	Colorado Energy Management, LLC	**Quote#:**	4705671-IVS
Location/Project:	0	**Sales Representative:**	Richard Tse
Address 1:	4963 S Soto St Vernon, CA 90058Vernon, CA	**Phone:**	6613453675
Address 2:		**Email:**	Richard.Tse@emerson.com
Customer Contact:	Ian Everts	**Service Representative:**	Stevie Day
Phone:	323-350-3481	**Phone:**	657 291 4328
Email:	ieverts@heorotpower.com	**Email:**	Stevie.Day@emerson.com

Device Information

Device Type: Temperature Transmitter	**Serial #: 9029664**	**Range: 0 to 800 Deg. F**
Device Tag: 21HBK70CT031	**Sensor Type: Type K**	
Model: YTA110		

Test Equipment Used

HRSG2 TEMP

Asset #	Description	Calibration Due
0	0	0-Jan-00
PS-01477	FLUKE 750PDS2	26-Dec-19
PS-01266	FLUKE 700PD3	26-Dec-19
PS-01349	FLUKE 700PD7	26-Dec-19

As Found Calibration Data

Specified Range Deg F	Applied % Of Span	Applied Deg F	Specified Analog Output In mA	Output Tolerance +/-	Indicated Digital Output In F	Measured Analog Output In mA	Pass/Fail
0.00	0.00	0.00	4.0000	0.080	0.27	4.0000	Pass
200.00	25.00	200.00	8.0000	0.080	199.85	7.9970	Pass
400.00	50.00	400.00	12.0000	0.080	400.04	12.0000	Pass
600.00	75.00	600.00	16.0000	0.080	600.04	16.0000	Pass
800.00	100.00	800.00	20.0000	0.080	799.93	20.0000	Pass

As Left Calibration Data

0.00	0.00	0.00	4.0000	0.080	0.27	4.0000	Pass
200.00	25.00	200.00	8.0000	0.080	199.85	7.9970	Pass
400.00	50.00	400.00	12.0000	0.080	400.04	12.0000	Pass
600.00	75.00	600.00	16.0000	0.080	600.04	16.0000	Pass
800.00	100.00	800.00	20.0000	0.080	799.93	20.0000	Pass

Certification

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Stevie Day

Stevie Day
Rosemount Service Representative
PH: 657 291 4328

May 23, 2023
Date

Rosemount Service
8200 Market Blvd.
Chanhassen, MN 55317
T: 800-654-7768
F: 952-906-8844

May 23, 2023

CALIBRATION DATA SHEET

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Contact Information

Purchase Order:	MGS18939	**Service Request:**	1875530
Customer Name:	Colorado Energy Management, LLC	**Quote#:**	4705671-IVS
Location/Project:	0	**Sales Representative:**	Richard Tse
Address 1:	4963 S Soto St Vernon, CA 90058Vernon, CA 90058	**Phone:**	6613453675
Address 2:		**Email:**	Richard.Tse@emerson.com
Customer Contact:	Ian Everts	**Service Representative:**	Stevie Day
Phone:	323-350-3481	**Phone:**	657 291 4328
Email:	ieverts@heorotpower.com	**Email:**	Stevie.Day@emerson.com

Device Information

Device Type:	Multivariable
Device Tag:	21-HHA10-CF001A DCUCT2
Model:	3095MA3CA00116AA00NOBS5
Serial #:	336125

Calibration Range Data

Static Pressure Range:	0	To	500	PSI
Differential Pressure Range:	0	To	250	InH2O
Temperature Range:	0	To	200	F
Analog Output Range:	4	To	20	mA

2 DB GAS

Test Equipment Used

Asset #	Description	Calibration Due
0	0	0-Jan-00
ES-01410	FLUKE 754	1_17_24
ES-01410	FLUKE 754	1_17_24
PS-01477	FLUKE 750PDS2	1_17_24

As Found Calibration Data

	Static Pressure				Differential Pressure			
Target % Of Span	Specified Range in PSI	Applied PSI	Indicated Static Pressure in PSI	Pass Fail +/- 0.5 PSI	Specified Range InH2O	Applied InH2O	Indicated Differential Pressure InH2O	Pass Fail +/- 0.5 InH2O
0.00	0.00	0.000	0.066	Pass	0.00	0.000	-0.300	Pass
25.00	125.00	125.000	125.100	Pass	62.50	62.500	62.100	Pass
50.00	250.00	250.000	250.070	Pass	125.00	125.000	124.600	Pass
75.00	375.00	375.000	375.100	Pass	187.50	187.500	187.000	Pass
100.00	500.00	500.000	500.090	Pass	250.00	250.000	249.400	Fail
	Temperature				**Analog Out**			
Target % Of Span	Specified Range Deg F	Applied Deg F	Indicated Digital Temp Deg F	Pass Fail +/- 0.67 Deg F	Specified Range mA	Simulated mA	Indicated Output mA	Pass Fail +/- 0.0120 mA
0.00	0.00	0.00	-0.080	Pass	4.0000	4.0000	3.9950	Pass
25.00	50.00	50.00	50.030	Pass	8.0000	8.0000	7.9900	Pass
50.00	100.00	100.00	100.010	Pass	12.0000	12.0000	11.9900	Pass
75.00	150.00	150.00	149.990	Pass	16.0000	16.0000	15.9900	Pass
100.00	200.00	200.00	200.010	Pass	20.0000	20.0000	19.9810	Fail

As Left Calibration Data

	Static Pressure				Differential Pressure			
Target % Of Span	Specified Range in PSI	Applied PSI	Indicated Static Pressure in PSI	Pass Fail +/- 0.5 PSI	Specified Range InH2O	Applied InH2O	Indicated Differential Pressure InH2O	Pass Fail +/- 0.5 InH2O
0.00	0.00	0.000	0.066	Pass	0.00	0.000	0.100	Pass
25.00	125.00	125.000	125.100	Pass	62.50	62.500	62.500	Pass
50.00	250.00	250.000	250.070	Pass	125.00	125.000	125.000	Pass
75.00	375.00	375.000	375.100	Pass	187.50	187.500	187.500	Pass
100.00	500.00	500.000	500.090	Pass	250.00	250.000	250.100	Pass
	Temperature				**Analog Out**			
Target % Of Span	Specified Range Deg F	Applied Deg F	Indicated Digital Temp Deg F	Pass Fail +/- 0.67 Deg F	Specified Range mA	Simulated mA	Indicated Output mA	Pass Fail +/- 0.0120 mA
0.00	0.00	0.00	0.010	Pass	4.0000	4.0000	4.000	Pass
25.00	50.00	50.00	50.020	Pass	8.0000	8.0000	8.000	Pass
50.00	100.00	100.00	99.970	Pass	12.0000	12.0000	12.000	Pass
75.00	150.00	150.00	149.930	Pass	16.0000	16.0000	16.000	Pass
100.00	200.00	200.00	199.970	Pass	20.0000	20.0000	20.000	Pass

Certification

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Stevie Day

Stevie Day
Rosemount Service Representative
PH: 657 291 4328

May 23, 2023
Date

Rosemount Service
8200 Market Blvd.
Chanhassen, MN 55317
T: 800-654-7768
F: 952-906-8844

May 23, 2023

CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

Contact Information

Purchase Order:	MGS18939	**Service Request:**	1875530
Customer Name:	Colorado Energy Management, LLC	**Quote#:**	4705671-IVS
Location/Project:	0	**Sales Representative:**	Richard Tse
Address 1:	4963 S Soto St Vernon, CA 90058Vernon, CA 90058	**Phone:**	6613453675
Address 2:		**Email:**	Richard.Tse@emerson.com
Customer Contact:	Ian Everts	**Service Representative:**	Stevie Day
Phone:	323-350-3481	**Phone:**	657 291 4328
Email:	ieverts@heorotpower.com	**Email:**	Stevie.Day@emerson.com

Device Information

Device Type:	Multivariable
Device Tag:	FTCT2
Model:	3051SFA1G040CCHPS1T100T33JA1A3Q4E5M5
Serial #:	47658

Calibration Range Data

Static Pressure Range:	0	To	475	PSI
Differential Pressure Range:	0	To	150	InH2O
Temperature Range:	0	To	200	F
Analog Output Range:	4	To	20	mA

CT2 FUEL

Test Equipment Used

Asset #	Description	Calibration Due
0	0	0-Jan-00
PS-01477	FLUKE 750PDS2	26-Dec-19
PS-01266	FLUKE 700PD3	26-Dec-19
PS-01349	FLUKE 700PD7	26-Dec-19

As Found Calibration Data

	Static Pressure				Differential Pressure			
Target % Of Span	Specified Range in PSI	Applied PSI	Indicated Static Pressure in PSI	Pass Fail +/- 0.25 PSI	Specified Range InH2O	Applied InH2O	Indicated Differential Pressure InH2O	Pass Fail +/- 25.000 % Reading
0.00	0.00	0.000	-0.010	Pass	0.00	0.000	0.100	Fail
25.00	118.75	118.750	118.710	Pass	37.50	37.500	37.480	Pass
50.00	237.50	237.500	237.510	Pass	75.00	75.000	74.910	Pass
75.00	356.25	356.250	356.240	Pass	112.50	112.500	112.460	Pass
100.00	475.00	475.000	474.970	Pass	150.00	150.000	150.030	Pass
	Temperature				**Analog Out**			
Target % Of Span	Specified Range Deg F	Applied Deg F	Indicated Digital Temp Deg F	Pass Fail +/- 0.67 Deg F	Specified Range mA	Simulated mA	Indicated Output mA	Pass Fail +/- 0.0080 mA
0.00	0.00	0.00	0.250	Pass	4.0000	4.0000	4.0000	Pass
25.00	50.00	50.00	50.300	Pass	8.0000	8.0000	7.9980	Pass
50.00	100.00	100.00	100.200	Pass	12.0000	12.0000	11.9980	Pass
75.00	150.00	150.00	150.200	Pass	16.0000	16.0000	15.9980	Pass
100.00	200.00	200.00	200.400	Pass	20.0000	20.0000	20.0000	Pass

As Left Calibration Data

	Static Pressure				Differential Pressure			
Target % Of Span	Specified Range in PSI	Applied PSI	Indicated Static Pressure in PSI	Pass Fail +/- 0.25 PSI	Specified Range InH2O	Applied InH2O	Indicated Differential Pressure InH2O	Pass Fail +/- 25.000 % Reading
0.00	0.00	0.000	-0.010	Pass	0.00	0.000	0.010	Pass
25.00	118.75	118.750	118.710	Pass	37.50	37.500	37.500	Pass
50.00	237.50	237.500	237.510	Pass	75.00	75.000	75.020	Pass
75.00	356.25	356.250	356.240	Pass	112.50	112.500	112.520	Pass
100.00	475.00	475.000	474.970	Pass	150.00	150.000	150.050	Pass
	Temperature				**Analog Out**			
Target % Of Span	Specified Range Deg F	Applied Deg F	Indicated Digital Temp Deg F	Pass Fail +/- 0.67 Deg F	Specified Range mA	Simulated mA	Indicated Output mA	Pass Fail +/- 0.0080 mA
0.00	0.00	0.00	0.250	Pass	4.0000	4.0000	4.0000	Pass
25.00	50.00	50.00	50.300	Pass	8.0000	8.0000	8.0000	Pass
50.00	100.00	100.00	100.200	Pass	12.0000	12.0000	12.0000	Pass
75.00	150.00	150.00	150.200	Pass	16.0000	16.0000	16.0000	Pass
100.00	200.00	200.00	200.400	Pass	20.0000	20.0000	20.0000	Pass

Certification

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Stevie Day

Stevie Day
Rosemount Service Representative
PH: 657 291 4328

May 23, 2023
Date

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8200 Market Blvd.
Chanhassen, MN 55317
T: 800-654-7768
F: 952-906-8844

EMERSON.
Process Management

May 23, 2023

CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

Contact Information

Purchase Order:	MGS18939	**Service Request:**	1875530
Customer Name:	Colorado Energy Management, LLC	**Quote#:**	4705671-IVS
Location/Project:	0	**Sales Representative:**	Richard Tse
Address 1:	4963 S Soto St Vernon, CA 90058Vernon, C	**Phone:**	6613453675
Address 2:		**Email:**	Richard.Tse@emerson.com
Customer Contact:	Ian Everts	**Service Representative:**	Stevie Day
Phone:	323-350-3481	**Phone:**	657 291 4328
Email:	ieverts@heorotpower.com	**Email:**	Stevie.Day@emerson.com

Device Information

2 SCR CAL

Device Type: Pressure Transmitter		**Serial Number:**	**12B914204**
Device Tag: 21HBK70CP010		**Range:**	**0 To 2.5 IN H2O**
Model: EJA110A			

Test Equipment Used

Asset #	Description	Calibration Due
0	0	0-Jan-00
PS-01477	FLUKE 750PDS2	26-Dec-19
PS-01266	FLUKE 700PD3	26-Dec-19
PS-01349	FLUKE 700PD7	26-Dec-19

As Found Calibration Data

Specified Range IN H2O	Applied % Of Span	Applied IN H2O	Specified Analog Output In mA	Output Tolerance +/-	Indicated Digital Output In IN H2O	Measured Analog Output In mA	Pass/Fail
0.000	0.00	0.000	4.0000	0.080	0.005	4.0030	Pass
0.625	25.00	0.625	8.0000	0.080	0.628	8.0020	Pass
1.250	50.00	1.250	12.0000	0.080	1.254	7.9800	Fail
1.875	75.00	1.875	16.0000	0.080	1.880	15.9700	Pass
2.500	100.00	2.500	20.0000	0.080	2.520	20.0030	Fail

As Left Calibration Data

0.000	0.00	0.000	4.0000	0.080	0.000	3.9990	Pass
0.625	25.00	0.625	8.0000	0.080	0.626	7.9970	Pass
1.250	50.00	1.250	12.0000	0.080	1.240	11.9870	Pass
1.875	75.00	1.875	16.0000	0.080	1.872	15.9900	Pass
2.500	100.00	2.500	20.0000	0.080	2.501	20.0700	Pass

Certification

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Stevie Day

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PH: 657 291 4328

May 23, 2023
Date

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EMERSON.
Process Management

May 23, 2023

CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

Contact Information

Purchase Order:	MGS18939	**Service Request:**	1875530
Customer Name:	Colorado Energy Management, LLC	**Quote#:**	4705671-IVS
Location/Project:	0	**Sales Representative:**	Richard Tse
Address 1:	4963 S Soto St Vernon, CA 90058Vernon, C	**Phone:**	6613453675
Address 2:		**Email:**	Richard.Tse@emerson.com
Customer Contact:	Ian Everts	**Service Representative:**	Stevie Day
Phone:	323-350-3481	**Phone:**	657 291 4328
Email:	ieverts@heorotpower.com	**Email:**	Stevie.Day@emerson.com

Device Information

2 NH3

Device Type: Pressure Transmitter	**Serial Number: 332185**
Device Tag: 21 HSJ50 CF010 FT	**Range: 0 To 10 IN H2O**
Model: 3051CD1A02A1AS5M5Q4E5	

Test Equipment Used

Asset #	Description	Calibration Due
0	0	0-Jan-00
PS-01477	FLUKE 750PDS2	26-Dec-19
PS-01266	FLUKE 700PD3	26-Dec-19
PS-01349	FLUKE 700PD7	26-Dec-19

As Found Calibration Data

Specified Range IN H2O	Applied % Of Span	Applied IN H2O	Specified Analog Output In mA	Output Tolerance +/-	Indicated Digital Output In IN H2O	Measured Analog Output In mA	Pass/Fail
0.000	0.00	0.000	4.0000	0.080	0.011	5.4140	Fail
2.500	25.00	2.500	8.0000	0.080	2.560	7.8890	Fail
5.000	50.00	5.000	12.0000	0.080	5.050	11.9630	Pass
7.500	75.00	7.500	16.0000	0.080	7.707	15.9610	Fail
10.000	100.00	10.000	20.0000	0.080	10.060	19.9900	Fail

As Left Calibration Data

0.000	0.00	0.000	4.0000	0.080	0.000	4.0000	Pass
2.500	25.00	2.500	8.0000	0.080	2.502	7.9990	Pass
5.000	50.00	5.000	12.0000	0.080	4.990	12.0010	Pass
7.500	75.00	7.500	16.0000	0.080	7.490	17.8550	Fail
10.000	100.00	10.000	20.0000	0.080	9.998	19.9980	Pass

Certification

This is to validate that the listed product performs within the acceptable performance variation of the test equipment. Measuring and test equipment used in the inspection and validation of the listed product are traceable to the National Institute of Standards and Technology.

Stevie Day

Stevie Day
Rosemount Service Representative
PH: 657 291 4328

May 23, 2023
Date

Appendix C
Diesel Firewater Pump Operating Logs

Malburg Generating Station
Diesel Firewater Pump Testing Times
During Calendar Year 2023

Date	Time (hh:mm)	Start Hours	End Hours	Event Type	Hours of Operation
1/1/2023	19:15	355.2	355.7	Testing	0.50
1/8/2023	18:18	355.7	356.2	Testing	0.50
1/15/2023	18:17	356.2	356.7	Testing	0.50
1/22/2023	21:20	356.7	357.2	Testing	0.50
1/29/2023	18:04	357.2	357.7	Testing	0.50
2/5/2023	18:51	357.7	358.2	Testing	0.50
2/12/2023	18:23	358.2	358.7	Testing	0.50
2/19/2023	22:06	358.7	359.2	Testing	0.50
2/26/2023	18:12	359.2	359.7	Testing	0.50
3/5/2023	17:26	359.7	360.2	Testing	0.50
3/12/2023	19:51	360.2	360.7	Testing	0.50
3/19/2023	18:42	360.7	361.2	Testing	0.50
3/26/2023	18:14	361.2	361.7	Testing	0.50
4/2/2023	22:15	361.7	362.3	Testing	0.60
4/9/2023	23:22	362.3	362.8	Testing	0.50
4/16/2023	19:35	362.8	363.3	Testing	0.50
4/23/2023	19:02	363.3	363.8	Testing	0.50
4/30/2023	18:17	363.8	364.3	Testing	0.50
5/8/2023	18:18	364.3	364.8	Testing	0.50
5/15/2023	18:46	364.8	365.3	Testing	0.50
5/21/2023	18:57	365.3	366.3	Testing [1]	1.00
5/28/2023	18:21	366.3	366.8	Testing	0.50
6/4/2023	21:48	366.8	367.3	Testing	0.50
6/11/2023	21:59	367.3	367.8	Testing	0.50
6/18/2023	21:07	367.8	368.3	Testing	0.50
6/25/2023	17:06	368.3	368.8	Testing	0.50
7/2/2023	19:34	368.8	369.3	Testing	0.50
7/9/2023	19:20	369.3	369.8	Testing	0.50
7/16/2023	20:19	369.8	370.3	Testing	0.50
7/23/2023	17:58	370.3	370.8	Testing	0.50
7/30/2023	16:45	370.8	371.3	Testing	0.50
8/6/2023	19:56	371.3	371.8	Testing	0.50
8/13/2023	17:50	371.8	372.3	Testing	0.50
8/21/2023	18:36	372.3	372.8	Testing	0.50
8/27/2023	20:46	372.8	373.3	Testing	0.50
9/3/2023	20:13	373.3	373.8	Testing	0.50
9/10/2023	21:38	373.8	374.3	Testing	0.50
9/17/2023	19:19	374.3	374.8	Testing	0.50
9/24/2023	20:48	374.8	375.3	Testing	0.50
10/1/2023	20:38	375.3	375.8	Testing	0.50
10/8/2023	20:03	375.8	376.3	Testing	0.50
10/15/2023	19:06	376.3	376.8	Testing	0.50
10/22/2023	21:15	376.8	377.3	Testing	0.50

Malburg Generating Station
Diesel Firewater Pump Testing Times
During Calendar Year 2023

Date	Time (hh:mm)	Start Hours	End Hours	Event Type	Hours of Operation
10/29/2023	21:31	377.3	377.8	Testing	0.50
11/5/2023	18:31	377.8	378.3	Testing	0.50
11/12/2023	20:12	378.3	378.8	Testing	0.50
11/19/2023	19:36	378.8	379.3	Testing	0.50
11/26/2023	18:07	379.3	379.8	Testing	0.50
12/5/2023	10:35	379.8	380.3	Testing	0.50
12/17/2023	20:19	380.3	380.8	Testing	0.50
12/24/2023	21:49	380.8	381.2	Testing	0.40
12/31/2023	19:04	381.2	381.7	Testing	0.50

Notes:

[1] Contractor performed testing on the diesel firewater pump during the Spring Outage which was not recorded. To account for this 0.5-hour run, the end hour for the test run on May 21, 2023 has been manually adjusted from the log's reading of 365.8.

Appendix D
Hazardous Materials Inventory

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **Ammonia Storage Area - Storage Tank**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive, Toxic, Flammable Liquid, Class I-C	**Aqueous Ammonia** CAS No 1336-21-6 ✔EHS Map: SA-3A Grid: 2 C/D Item 15	**Pounds** State Liquid Type Pure	**74120.61** Storage Container Aboveground Tank Days on Site: 365	**74120.61**	74120.61 Pressue Ambient Temperature Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **APSA - Combustion Turbine Generator Area CTG1**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
Combustible Liquid, Class III-B	**Lubricating Oil** CAS No 64742-54-7 Map: SA-3A Grid: 6/7 B Item 33	**Gallons** State Liquid Type Mixture	**3700** Storage Container Aboveground Tank, Other Days on Site: 365	**3700**	3700 Pressue > Ambient Temperature > Ambient	Waste Code	- Physical Flammable				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **APSA - Combustion Turbine Generator Area CTG2**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Lubricating Oil	**Gallons**	**3700**	**3700**	3700		- Physical Flammable				
Combustible Liquid, Class III-B	CAS No 64742-54-7 Map: SA-3A Grid: 6/7 B Item 34	State Liquid Type Mixture	Storage Container Aboveground Tank Days on Site: 365		Pressue > Ambient Temperature > Ambient	Waste Code					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **APSA - Diesel Fire Pump House**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II	**Diesel Fuel No. 2** CAS No 68476-34-6 Map: SA-3A Grid: 8 C Item 46	**Gallons** State Liquid Type Pure	**180** Storage Container Tank Inside Building Days on Site: 365	**180**	180 Pressue Ambient Temperature Ambient	Waste Code	- Physical Flammable				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **APSA - Main Hazardous Waste Accumulation Area**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II	**Diesel Fuel No. 2** CAS No 68476-34-6 Map: SA-3A Grid: D3	**Gallons** State: Liquid Type: Pure	**110** Storage Container: Steel Drum Days on Site: 365	**55**	110 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Flammable - Health Acute Toxicity				
Combustible Liquid, Class III-B	**Lubricating Oil** CAS No 64742-54-7 Map: SA-3A Grid: D3	**Gallons** State: Liquid Type: Pure	**1100** Storage Container: Steel Drum Days on Site: 365	**55**	550 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Flammable				
Combustible Liquid, Class III-B	**Used lubricating oils** CAS No 70514-12-4 Map: SA-3A Grid: D3	**Gallons** State: Liquid Type: Waste	**110** Storage Container: Steel Drum Days on Site: 365	**55**	55 Pressue: Ambient Temperature: Ambient	220 Waste Code: 221	- Physical Flammable	Waste Oil Water	95% 5%		70514-12-4 7732-18-5

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **APSA - Natural Gas Compressor Skid**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
Combustible Liquid, Class III-B	**Lubricating Oil** CAS No 64742-54-7 Map: SA-3A Grid: 4 C	**Gallons** State Liquid Type Pure	**55** Storage Container Aboveground Tank Days on Site: 365	**55**	55 Pressue > Ambient Temperature > Ambient	Waste Code	- Physical Flammable				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **APSA - Natural Gas Liquid Drain Tank**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Lubricating Oil	**Gallons**	**185**	**185**	50	200	- Physical Flammable				
Flammable Gas, Combustible Liquid, Class III-A	CAS No 64742-54-7 Map: SA-3A Grid: 4 C Item 25	State Liquid Type Pure	Storage Container Aboveground Tank Days on Site: 365		Pressue > Ambient Temperature Ambient	Waste Code					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **APSA - Steam Turbine Generator (STG) Area**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Lubricating Oil	**Gallons**	**4360**	**4360**	4360		- Physical Flammable				
Combustible Liquid, Class III-B	CAS No 64742-54-7 Map: SA-3A Grid: 2 B/C Item 35	State Liquid Type Mixture	Storage Container Aboveground Tank Days on Site: 365		Pressue > Ambient Temperature > Ambient	Waste Code					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **APSA - Substation A - Basement**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Oily Water CAS No	**Gallons** State: Liquid Type: Mixture	**227** Storage Container: Aboveground Tank, Tank Inside Building Days on Site: 365	**227**	227 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Flammable - Physical Hazard Not Otherwise Classified - Health Hazard Not Otherwise Classified				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **APSA - Substation A - Generac Generator**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II	**Diesel Fuel No. 2** CAS No 68476-34-6	**Gallons** State Liquid Type Pure	**500** Storage Container Other Days on Site: 365	**500**	450 Pressue Ambient Temperature Ambient	Waste Code	- Physical Flammable - Health Carcinogenicity - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Specific Target Organ Toxicity - Health Aspiration Hazard				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **APSA - Substation A - Gonzales Units**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Mobil Jet Oil II	**Gallons**	**710**	**300**	710		- Physical	1-Naphthylamine,N-phenyl	1%		90-30-2
	CAS No	State: Liquid	Storage Container: Steel Drum, Other		Pressue: Ambient	Waste Code	Flammable	9, 10-Anthracenedione, 1,4-Dihydroxy	1%		25155-23-1
		Type: Mixture			Temperature: Ambient			Tricresyl Phosphate	3%		1330-78-5
								Alkylated Diphenyl Amines	5%		68411-46-1

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location
Auxiliary Power Distribution Transformer Area Transformer A

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Transformer Oil** CAS No 64742-53-6 Map: SA-3A Grid: 1 B Item 44	**Gallons** State Liquid Type Mixture	**285** Storage Container Other Days on Site: 365	**285**	285 Pressue > Ambient Temperature > Ambient	Waste Code	- Physical Flammable	Severely Hydrotreated Light Napthalic Hydro Oil	100%		64742-53-6

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **Auxiliary Power Distribution Transformer Area Transformer B**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Transformer Oil** CAS No 64742-53-6 Map: SA-3A Grid: 1 B Item 45	**Gallons** State Liquid Type Mixture	**285** Storage Container Other Days on Site: 365	**285**	285 Pressue > Ambient Temperature > Ambient	Waste Code	- Physical Flammable	Severely Hydrotreated Light Napthalic Hydro Oil	100%		64742-53-6

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **Auxiliary Water Treatment Chemical Area**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive, Toxic, Water Reactive, Class 1	**Caustic Soda** CAS No 1310-73-2 Map: SA-3B Grid: 5 C Item 13	**Gallons** State Liquid Type Pure	**120** Storage Container Other Days on Site: 365	**120**	120 Pressue Ambient Temperature Ambient	Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation				
DOT: 8 - Corrosives (Liquids and Solids) Corrosive, Toxic	**Chlorine Scavenger** CAS No 7631-90-5 Map: SA-3B Grid: 5 C Item 12	**Gallons** State Liquid Type Pure	**110** Storage Container Other Days on Site: 365	**110**	110 Pressue Ambient Temperature Ambient	Waste Code	- Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation				
DOT: 8 - Corrosives (Liquids and Solids) Corrosive, Oxidizing, Class 2, Toxic	**Sodium Hypochlorite** CAS No 7681-52-9 Map: SA-3B Grid: 5C Item 14	**Gallons** State Liquid Type Pure	**100** Storage Container Plastic/Non-metalic Drum Days on Site: 365	**100**	1 Pressue Ambient Temperature Ambient	Waste Code	- Physical Oxidizer - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **CEMS Building**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.2 - Nonflammable Gases	**Nitrogen / Nitrogen Oxide / Carbon Monoxide Blend** CAS No Map: SA-3A Grid: 3 B Item 37	**Cu. Feet** State: Gas Type: Pure	**1704** Storage Container: Cylinder Days on Site: 365	**284**	852 Pressue: > Ambient Temperature: Ambient	Waste Code	- Physical Gas Under Pressure				
DOT: 2.2 - Nonflammable Gases	**Nitrogen Gas** CAS No 7727-37-9 Map: SA-3A Grid: 3 B Item 36	**Cu. Feet** State: Gas Type: Pure	**568** Storage Container: Cylinder Days on Site: 365	**568**	284 Pressue: > Ambient Temperature: Ambient	Waste Code	- Physical Gas Under Pressure				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **Generator Step-up (GSU) Transformer Area - CTG1**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
Combustible Liquid, Class III-B	**Transformer Oil** CAS No 64742-53-6 Map: SA-3A Grid: 7 D Item 30	**Gallons** State Liquid Type Mixture	**4370** Storage Container Other Days on Site: 365	**4370**	4370 Pressue > Ambient Temperature > Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure	Severely Hydrotreated Light Napthalic Hydro Oil	100%		64742-53-6

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **Generator Step-up (GSU) Transformer Area - CTG2**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Transformer Oil** CAS No 64742-53-6 Map: SA-3A Grid: 7 D Item 31	**Gallons** State Liquid Type Mixture	**4370** Storage Container Other Days on Site: 365	**4370**	4370 Pressue > Ambient Temperature > Ambient	Waste Code	- Physical Flammable	Severely Hydrotreated Light Napthalic Hydro Oil	100%		64742-53-6

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **Generator Step-up (GSU) Transformer Area - STG**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Transformer Oil** CAS No 64742-53-6 Map: SA-3A Grid: 6 D Item 32	**Gallons** State Liquid Storage Container Other Type Mixture Days on Site: 365	**4835**	**4835**	4835 Pressue > Ambient Temperature > Ambient	Waste Code	- Physical Flammable	Severely Hydrotreated Light Napthalic Hydro Oil	100%		64742-53-6

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **Heat Recovery Steam Generator (HRSG) 1 - Midsection**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	SCR Catalyst	**Pounds**	**21795**	**21795**	21795		- Physical Hazard Not Otherwise Classified - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation	Ceramic materials and wares, chemicals	100%		66402-68-4
	CAS No	State: Solid	Storage Container: Other		Pressue: Ambient	Waste Code		Titanium dioxide	80%		13463-67-7
	Map: SA-3A Grid: 4/5 B	Type: Mixture	Days on Site: 365		Temperature: Ambient			Tungsten oxide	24%		1314-35-8
								Vanadium pentoxide	5%		1314-62-1

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **Heat Recovery Steam Generator (HRSG) 2 - Midsection**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	SCR Catalyst	**Pounds**	**21795**	**21795**	21795		- Physical Hazard Not Otherwise Classified - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation	Ceramic materials and wares, chemicals	100%		66402-68-4
	CAS No	State: Solid	Storage Container: Other		Pressue: Ambient	Waste Code		Titanium dioxide	80%		13463-67-7
	Map: SA-3A Grid: 4/5 C	Type: Mixture	Days on Site: 365		Temperature: Ambient			Tungsten oxide	24%		1314-35-8
								Vanadium pentoxide	5%		1314-62-1

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **HRSG chemical skid**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive, Toxic	**5711** CAS No	**Gallons** State: Liquid Type: Mixture	**75** Storage Container: Aboveground Tank Days on Site: 365	**75**	75 Pressue Temperature	Waste Code: 122	- Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity	Ammonium Hydroxide Monoethanolamine	60% 10%	✓	1336-21-6 141-43-5
DOT: 2.2 - Nonflammable Gases Cryogen	**Nitrogen, Liquid** CAS No: 7727-37-9	**Cu. Feet** **460** State: Liquid Type: Pure	Storage Container: Cylinder		Pressue Temperature	Waste Code	- Physical Gas Under Pressure				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **HRSG Cooling Tower Bulk Chemical Area**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
Combustible Liquid, Class III-B, Toxic	**Acrylate Polymer, Phosphate, Phosphonate** CAS No Map: SA-3B Grid: 2 A Item 6	**Gallons** State: Liquid Type: Mixture	**400** Storage Container: Aboveground Tank Days on Site: 365	**400**	200 Pressue: Ambient Temperature: Ambient	Waste Code	- Health Skin Corrosion Irritation				
DOT: 8 - Corrosives (Liquids and Solids) Corrosive, Oxidizing, Class 2, Toxic	**Sodium Hypochlorite** CAS No 7681-52-9 Map: SA-3B Grid: 2 A Item 8	**Gallons** State: Liquid Type: Pure	**1700** Storage Container: Plastic/Non-metalic Drum Days on Site: 365	**1700**	1500 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Oxidizer - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation				
DOT: 8 - Corrosives (Liquids and Solids) Corrosive, Water Reactive, Class 2, Toxic	**Sulfuric Acid 66 Be** CAS No 7664-93-9 Map: SA-3B Grid: 2 A Item 7	**Gallons** State: Liquid Type: Pure	**2500** Storage Container: Aboveground Tank Days on Site: 365	**2500**	1500 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **HRSG Cooling Tower Specialty Chemical Area**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive, Toxic, Flammable Liquid, Class I-C	**Biocide** CAS No Map: SA-3B Grid: 4 B/C Item 4	**Gallons** State: Liquid Type: Mixture	**110** Storage Container: Aboveground Tank Days on Site: 365	**110**	110 Pressue: Ambient Temperature: Ambient	Waste Code	- Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	Dimethyl-Dioctyl-Ammonium Chloride Glycerol	50% 10%		5538-94-3 56-81-5
Flammable Liquid, Class I-C	**Biodispersant - Deposit Penetrant** CAS No Map: SA-3B Grid: 4 B/C Item 5	**Gallons** State: Liquid Type: Mixture	**105** Storage Container: Aboveground Tank Days on Site: 365	**105**	105 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Flammable				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **HRSG Water Treatment Chemical Area**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Boiler Phosphate	**Gallons**	**200**	**200**	100		- Health Skin	Sodium Hydroxide	5%		1310-73-2
Corrosive	CAS No	State: Liquid	Storage Container: Aboveground Tank		Pressue: Ambient	Waste Code	Corrosion Irritation	Sodium Tripolyphosphate	5%		7758-29-4
	Map: SA-3A Grid: 3 B/C Item 3	Type: Mixture	Days on Site: 365		Temperature: Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **Main Power Distribution Transformer Area Transformer A**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Transformer Oil** CAS No 64742-53-6 Map: SA-3A Grid: 5/6 Item 42	**Gallons** State Liquid Type Mixture	**280** Storage Container Other Days on Site: 365	**280**	280 Pressue > Ambient Temperature > Ambient	Waste Code	- Physical Flammable	Severely Hydrotreated Light Napthalic Hydro Oil	100%		64742-53-6

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **Main Power Distribution Transformer Area Transformer B**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Transformer Oil** CAS No 64742-53-6 Map: SA-3A Grid: 5/6 Item 43	**Gallons** State Liquid Type Mixture	**280** Storage Container Other Days on Site: 365	**280**	280 Pressue > Ambient Temperature > Ambient	Waste Code	- Physical Flammable	Severely Hydrotreated Light Napthalic Hydro Oil	100%		64742-53-6

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **Natural Gas Accumulator**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Natural Gas	**Cu. Feet**	**1600**	**1600**	1600		- Physical Flammable - Physical Gas Under Pressure - Physical Explosive - Health Simple Asphyxiant				
Flammable Gas, Explosive, Toxic	CAS No 8006-14-2 Map: SA-3A Grid: 4 C Item 23	State Gas Type Pure	Storage Container Aboveground Tank Days on Site: 365		Pressue > Ambient Temperature Ambient	Waste Code					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **Natural Gas Compressor Skid**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
Flammable Gas, Explosive	**Natural Gas** CAS No 8006-14-2 Map: SA-3A Grid: 4 C Item 20	**Cu. Feet** State Gas Type Pure	**4000** Storage Container Aboveground Tank Days on Site: 365	**4000**	4000 Pressue > Ambient Temperature Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure - Physical Explosive - Health Simple Asphyxiant				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **Natural Gas Cooler**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	Natural Gas	**Cu. Feet**	**1600**	**1600**	1600		- Physical Flammable - Physical Gas Under Pressure - Physical Explosive - Health Simple Asphyxiant				
Flammable Gas	CAS No 8006-14-2 Map: SA-3A Grid: 4 C Item 22	State Gas Type Pure	Storage Container Aboveground Tank Days on Site: 365		Pressue > Ambient Temperature Ambient	Waste Code					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **Natural Gas CTG1 Metering / Control Skid**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Natural Gas	**Cu. Feet**	**9000**	**9000**	9000		- Physical Flammable - Physical Gas Under Pressure - Physical Explosive - Health Simple Asphyxiant				
Flammable Gas, Explosive, Toxic	CAS No 8006-14-2 Map: SA-3A Grid: 6 B Item 26	State Liquid Type Pure	Storage Container Aboveground Tank Days on Site: 365		Pressue > Ambient Temperature Ambient	Waste Code					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **Natural Gas Electric Heater**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Natural Gas	**Cu. Feet**	**1600**	**1600**	1600		- Physical Flammable - Physical Gas Under Pressure - Physical Explosive - Health Simple Asphyxiant				
Flammable Gas, Explosive	CAS No 8006-14-2 Map: SA-3B Grid: 4 C Item 24	State Gas Type Pure	Storage Container Aboveground Tank Days on Site: 365		Pressue > Ambient Temperature Ambient	Waste Code					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **Natural Gas Regulation / Metering Pad**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
Flammable Gas, Explosive	**Natural Gas** CAS No 8006-14-2 Map: SA-3A Grid: 4 C Item 21	**Cu. Feet** State Gas Type Pure	**3000** Storage Container Aboveground Tank Days on Site: 365	**3000**	3000 Pressue > Ambient Temperature Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure - Physical Explosive - Health Simple Asphyxiant				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **Starter Motor Transformer Area - CTG1**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Transformer Oil** CAS No 64742-53-6 Map: SA-3A Grid: 7 B Item 40	**Gallons** State Liquid Type Mixture	**490** Storage Container Other Days on Site: 365	**490**	490 Pressue > Ambient Temperature > Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure	Severely Hydrotreated Light Napthalic Hydro Oil	100%		64742-53-6

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **Starter Motor Transformer Area - CTG2**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Transformer Oil** CAS No 64742-53-6 Map: SA-3A Grid: 7 C Item 41	**Gallons** State Liquid Type Mixture	**490** Storage Container Other Days on Site: 365	**490**	490 Pressue > Ambient Temperature > Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure	Severely Hydrotreated Light Napthalic Hydro Oil	100%		64742-53-6

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **Station A - Aux Room**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**FR3 Oil (mineral OIL)** CAS No 64742-53-6	**Gallons** State Liquid Type Mixture	**440** Storage Container Other Days on Site: 365	**220**	440 Pressue Ambient Temperature Ambient	Waste Code	- Physical Flammable - Health Aspiration Hazard				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **Station A - Basement**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.2 - Nonflammable Gases Oxidizing, Class 2	**Oxygen Gas** CAS No 7782-44-7	**Cu. Feet** State Gas Type Pure	**750** Storage Container Cylinder Days on Site: 365	**250**	700 Pressue Ambient Temperature Ambient	Waste Code	- Physical Gas Under Pressure - Physical Oxidizer				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **Substation A - Battery Bank E-side of Station A**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Lead Acid Batteries** CAS No	**Gallons** State: Liquid Type: Mixture	**168** Storage Container: Other Days on Site: 365	**1.4**	168 Pressue: Ambient Temperature: Ambient	Waste Code: 792	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	Sulfuric Acid	40%	✓	7664-93-9

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **Substation A - East 7 KV Room**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Inergen	**Cu. Feet**	**13000**	**355**	12070		- Physical Gas Under Pressure	Nitrogen	43%		7727-37-9
	CAS No	State: Gas	Storage Container: Cylinder		Pressue: Ambient	Waste Code	- Health Respiratory Skin Sensitization	Argon	47%		7740-37-1
		Type: Mixture	Days on Site: 365		Temperature: Ambient		- Health Serious Eye Damage Eye Irritation	CArbon Dioxide	11%		124.38-9

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **Substation A - In Equipment/66KV Circuit Breakers**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
DOT: 2.2 - Nonflammable Gases	**Sulfur Hexafluoride**	**Cu. Feet**	**2400**	**120**	2400		- Physical Gas Under Pressure - Health Simple Asphyxiant				
	CAS No 2551-62-4	State Gas	Storage Container Other		Pressue Ambient	Waste Code					
		Type Pure	Days on Site: 365		Temperature Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **Substation A - Piping Galley**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.1 - Flammable Gases Unstable (Reactive), Class 2, Flammable Gas	**Acetylene** CAS No 74-86-2	**Cu. Feet** State Gas Type Pure	**500** Storage Container Cylinder Days on Site: 365	**250**	400 Pressue Ambient Temperature Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure				
DOT: 9 - Misc. Hazardous Materials	**Halon 1301** CAS No 75-63-8	**Cu. Feet** State Gas Type Pure	**360** Storage Container Cylinder Days on Site: 365	**60**	360 Pressue Ambient Temperature Ambient	Waste Code	- Physical Gas Under Pressure - Physical Hazard Not Otherwise Classified - Health Hazard Not Otherwise Classified				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **Substation A - Transformers**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.2 - Nonflammable Gases	**Nitrogen Gas** CAS No 7727-37-9	**Cu. Feet** State Gas Type Pure	**460** Storage Container Cylinder Days on Site: 365	**230**	400 Pressue Ambient Temperature Ambient	Waste Code	- Physical Gas Under Pressure - Health Simple Asphyxiant				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **City of Vernon, Vernon Public Utilities**
Facility Name **Malburg Generating Station**
4963 S Soto St, Vernon 90058

Chemical Location **Vernon Substation - Transformers (OFEE)**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Hytrans 61 (Transformer Oil)** CAS No 64742-53-6	**Gallons** State Liquid Type Mixture	**28170** Storage Container Other	**7100**	28170 Pressue Ambient Temperature Ambient	Waste Code	- Physical Flammable - Health Aspiration Hazard				

Appendix E
Waste Management Methods

Hazardous Materials and Wastes Disposal Log for 2023

Non-RCRA Hazardous Waste Solid

In June, World Oil Environmental, Inc. transported 250 lbs. of Used Oily Rags to Yuma Yes 2 Waste Transfer Station.

In June, World Oil Environmental, Inc. transported 100 lbs. of Paper Filters to Yuma Yes 2 Waste Transfer Station.

In June, World Oil Environmental, Inc. transported 250 lbs. of Rust with Trace Ammonia Salts to US Ecology Vernon, Inc.

In October, World Oil Environmental, Inc. transported 210 lbs. of Oily Debris to Yuma Yes 2 Waste Transfer Station.

In December, World Oil Environmental, Inc. transported 150 lbs. of Used Oily Rags to Yuma Yes 2 Waste Transfer Station.

In December, World Oil Environmental, Inc. transported 250 lbs. of Paper Filters to Yuma Yes 2 Waste Transfer Station.

Non-RCRA Hazardous Waste Liquid

In April, World Oil Environmental, Inc. transported approximately 2,800 gallons of Oily Water to World Oil Recycling, Inc.

In April, World Oil Environmental, Inc. transported approximately 300 gallons of Oily Water to World Oil Recycling, Inc.

In June, World Oil Environmental, Inc. transported approximately 180 gallons of Oily Water to World Oil Recycling, Inc.

In June, World Oil Environmental, Inc. transported approximately 180 gallons of Oily Water to World Oil Recycling, Inc.

In October, World Oil Environmental, Inc. transported approximately 50 gallons of Oily Water to World Oil Recycling, Inc.

In October, World Oil Environmental, Inc. transported approximately 15 lbs. of Oily Sludge/Grease to Yuma Yes 2 Waste Transfer Station.

In December, World Oil Environmental, Inc. transported approximately 50 gallons of Used Oil to World Oil Recycling, Inc.

Non-RCRA Waste/Used Oil - Recycling Activity

No Non-RCRA Waste/Used Oil recycling activity in 2023.

Non-Hazardous Waste Solid

In May, a 40-yard waste bin was used for spring outage.

In July, a 40-yard waste bin was used for general clean up.

Hazardous Materials and Wastes Disposal Log for 2023

In December, a 40-yard waste bin was used for the fall outage.

Non-Hazardous Waste Liquid

In May, Mesa Environmental transported approximately 1,400 gallons of Cooling Water Sludge to Crosby and Overton.

In May, Mesa Environmental transported approximately 3,000 gallons of Rainwater to Crosby and Overton.

In June, World Oil Environmental, Inc. transported 150 gallons of Water with Trace of Oil to World Oil Recycling.

In December, Mesa Environmental transported approximately 2,500 gallons of Cooling Water Sludge to Crosby and Overton.

In December, Mesa Environmental transported approximately 2,350 gallons of Cooling Water Sludge to Crosby and Overton.

Appendix F
MGS Potable and Recycled Water Usage

Malburg Generating Station
Annual Compliance Report
Appendix F, Tables 1 & 2

Table 1. Yearly Reclaimed Water Use - Project Lifetime

Year	Reclaimed Water Used [1]		
	(gal)	(cu. ft.)	(acre-feet)
2023	128,617,093	17,192,500	394.685
2022	193,748,923	25,898,800	594.555
2021	250,651,653	33,505,100	769.171
2020	253,145,819	33,838,500	776.825
2019	211,811,049	28,313,200	649.982
2018	183,802,933	24,569,300	564.034
2017	233,471,537	31,208,600	716.451
2016	260,574,452	34,831,500	799.621
2015	249,217,545	33,313,400	764.770
2014	286,933,755	38,355,000	880.510
2013	257,708,480	34,448,400	790.826
2012	231,756,143	30,979,300	711.187
Average	**228,453,282**	**30,537,800**	**701.051**

Table 2. Yearly Potable Water Use - Project Lifetime

Year	Potable Water Used [1]		
	(gal)	(cu. ft.)	(acre-feet)
2023	7,264	971	0.022
2022	1,552,876	207,576	4.765
2021	511,117	68,322	1.568
2020	82,291	11,000	0.253
2019	421,180	56,300	1.292
2018	70,321	9,400	0.216
2017	1,220,899	163,200	3.747
2016	195,254	26,100	0.599
2015	412,203	55,100	1.265
2014	58,352	7,800	0.179
2013	0	0	0.000
2012	3,288,648	439,600	10.092
Average	**651,700**	**87,114**	**2.000**

[1] The following conversion factors were used in the above estimates:

1 cu. ft. =	7.481	gallons
1 acre-foot =	43,560	cu. ft.

Malburg Generating Station
Annual Compliance Report
Appendix F
Table 3. Potable Water Usage During 2023

Month	Days of the Month	Potable Water Used [1, 2] (gal)	(cu. ft.)	(acre-feet)	Average Water Usage (gpd)	Hours Used for Process Cooling [3]	Days Used for Process Cooling
January	31	52	7	0.000	2	0.00	0.0
February	28	284	38	0.001	10	0.00	0.0
March	31	82	11	0.000	3	0.00	0.0
April	30	516	69	0.002	17	0.00	0.0
May	31	621	83	0.002	20	0.00	0.0
June	30	426	57	0.001	14	0.00	0.0
July	31	404	54	0.001	13	0.00	0.0
August	31	3,381	452	0.010	109	0.00	0.0
September	30	359	48	0.001	12	0.00	0.0
October	31	180	24	0.001	6	0.00	0.0
November	30	628	84	0.002	21	0.00	0.0
December	31	329	44	0.001	11	0.00	0.0
Annual Total		**7,264**	**971**	**0.022**		**0.00**	**0.0**
Montly Average		**605**	**81**	**0.002**			
Exceeds Limit of 9 Days per Calendar Year? [4]							**No**

[1] Potable water use is estimated from onsite totalizer meter readings, recorded manually.

[2] The following conversion factors were used in the above estimates:

1 cu. ft. =	7.481	gallons
1 acre-foot =	43,560	cu. ft.

[3] Hours in which potable water is used for process cooling is tracked in the Potable Water Event Log maintained by the Control Room Operators.

[4] Annual limit for using potable water for process cooling as per COC Soil & Water-5.

Malburg Generating Station
Annual Compliance Report
Appendix F
Table 4. Reclaimed Water Usage During 2023

Month	Days of the Month	Reclaimed Water Used [1, 2]			Average Water Usage
		(gal)	(cu. ft.)	(acre-feet)	(gpd)
January	31	10,768,900	1,439,500	33.046	347,384
February	28	10,869,145	1,452,900	33.354	388,184
March	31	12,193,282	1,629,900	37.417	393,332
April	30	9,455,236	1,263,900	29.015	315,175
May	31	8,052,548	1,076,400	24.711	259,760
June	30	7,533,367	1,007,000	23.118	251,112
July	31	17,994,797	2,405,400	55.220	580,477
August	31	17,188,346	2,297,600	52.746	554,463
September	30	10,688,105	1,428,700	32.798	356,270
October	31	11,487,824	1,535,600	35.253	370,575
November	30	11,474,358	1,533,800	35.211	382,479
December	31	911,186	121,800	2.796	29,393
Annual Total		**128,617,093**	**17,192,500**	**394.685**	
Monthly Average		**10,718,091**	**1,432,708**	**32.890**	

[1] Reclaimed water use is estimated from onsite totalizer meter readings, recorded manually.

[2] The following conversion factors were used in the above estimates:

1 cu. ft. =	7.481	gallons
1 acre-foot =	43,560	cu. ft.

Appendix G
Station “A” Maintenance Report

ANNUAL COMPLIANCE REPORT
CONDITION OF CERTIFICATION CUL-8, YEAR 2023

For the:

MALBURG GENERATING STATION
(Docket 01-AFC-25C)

Submitted To:

CALIFORNIA ENERGY COMMISSION
715 P Street
Sacramento, CA 95814

Prepared by:

City of Vernon, Public Utilities Department
4305 Santa Fe Avenue
Vernon, CA 90058

MALBURG GENERATING STATION
ANNUAL COMPLIANCE REPORT
CONDITION OF CERTIFICATION CUL-8
YEAR 2023

INTRODUCTION

The City of Vernon, Public Utilities Department (VPU) has been operating an electric power generating facility (Station "A") since 1933 in the City of Vernon. The facility consists of the Johnson & Heinze Diesel Plant and H. Gonzales Generating Station. VPU constructed Malburg Generating Station (MGS) at the Station "A" facility in 2005 (01-AFC-25C). The commissioning of MGS was completed in October 2005 and the power plant was put under commercial operation on October 17, 2005. VPU sold MGS to Bicent (California) Malburg LLC (Bicent) in 2008. However, effective December 14, 2021, VPU purchased MGS back from Bicent (see Transaction Number 241490 for the California Energy Commission's [CEC] approval of the change in ownership).

Condition of Certification (COC) CUL-8 requires the Station "A" building to be maintained as an Historic Property in accordance with the Secretary of the Interior's Standards for the Treatment of Historic Properties, which include standards for preservation, rehabilitation, restoration, and reconstruction, as codified in Title 36 of the Code of Federal Regulations (CFR), Part 68 (1995). Each of the standards can be applied to an historic property to assist the long-term preservation of a property's significance through the retention of historic materials and features.

The Station "A" building is still in use and no major changes or alterations occurred to the building in 2023. However, in August 2023, the concrete monument sign in front of MGS on Soto Street was vandalized and the copper lettering was stolen. VPU is in the process of ordering custom letters to restore the sign to its original state. Routine maintenance also occurred in 2023, in accordance with the Secretary of the Interior's Standards for the Treatment of Historic Properties.

To verify that the Station "A" building is maintained in accordance with the Standards for the Treatment of Historic Properties (36 CFR Part 68), the CEC requires VPU to submit an annual report that summarizes the maintenance activities completed to preserve the property within each calendar year. VPU is, therefore, submitting this annual compliance report, which provides a summary of the maintenance activities completed for the Station "A" building during 2023.

In addition to the routine maintenance activities detailed on the following pages, VPU periodically updated CEC staff on progress made with respect to repairing the stucco exterior of Station "A", which was previously noted by CEC staff as "delaminating, flaking, and deteriorating." In accordance with VPU's multi-phase treatment plan, which was submitted to CEC staff in January 2023, VPU is currently developing a Request for Proposals to contract a third party to perform an assessment of the scope and method of repair/rehabilitation.

COMPLIANCE DETAILS FOR CONDITION OF CERTIFICATION CUL-8

As per COC CUL-8, the project owner shall ensure that Station "A" is maintained in accordance with the Secretary of the Interior's Standards for the Treatment of Historic Properties (36 CFR Part 68). The project owner shall provide a summary of maintenance activities completed within each calendar year. These maintenance activities were completed in accordance with the Secretary of the Interior's Standards for Preservation, as detailed in 36 CFR Part 68, and sustained the historic use and appearance of the building; did not alter or diminish its historic character, materials, features, or spaces; avoided use of abrasive chemical or physical treatments; and preserved its craftsmanship.

For verification of the above COC, the project owner shall include the summary of Station "A" maintenance activities completed to preserve the Station "A" building within the calendar year. A summary of the maintenance activities completed by VPU during the year 2023 is presented below.

Maintenance Activities Completed to Preserve the Exterior of the Station "A" Building:

1. **Weekly Maintenance of the Exterior of Station "A"**
    a. Cleaning of 50th Street, Seville Avenue and parking lot, and outside areas to the north and east of the building.
    b. Maintenance of lawns, flower beds, and trees provided outside the Station "A" building, including the mowing of lawns.
2. **Monthly Maintenance of the Exterior of Station "A"**
    a. Sweeping of the following roads: (a) northeast access road from Seville Avenue to the northeast corner of the building, (b) south access road from 50th Street to the northeast corner of the building, (c) 50th Street access gate to Seville Avenue, and (d) Seville Avenue access gate to 50th Street.
    b. Facilities safety and security inspections.
3. **Quarterly Maintenance of the Exterior of Station "A"**
    a. Inspection of the following items: (a) lighting, (b) wastewater separator, (c) safety systems, and (d) compressor backflow catch basin.
    b. Cleaning and inspection of roof drains.
4. **Annual Maintenance of the Exterior of Station "A"**
    a. Visual inspection of the Station "A" building (exterior inspection) to determine if maintenance repairs are required.
    b. Cleaning of first floor exterior windows.

Maintenance Activities Completed to Preserve the Interior of the Station "A" Building:

1. **Daily Maintenance of the Interior of Station "A"**

    Sweeping and mopping of floors (control room, west offices and hallway, east offices and hallway, and dressing room and lavatory).

2. **Weekly Maintenance of the Interior of Station "A"**

   Sweeping and mopping of floors (battery charger room, basement, west 7-kilovolt [kV] room, east 7-kV room, main floor, 480-volt room, operations manager office, control room, machine shop, and piping gallery). Waxing of floors (control room and main floor hallways).

3. **Monthly Maintenance of the Interior of Station "A"**

   Elevator inspection, fire extinguisher inspections, automated external defibrillator (AED) inspection, and eye wash inspections.

4. **Quarterly Maintenance of the Interior of Station "A"**

   Inspection of the following items: (a) crane, (b) lighting, (c) spill cabinet, (d) exit sign emergency lighting, (e) safety systems, (f) smoke detectors, (g) maintenance of air conditioner units, (h) hot sticks, high voltage gloves, and suits used for switching and hot work, and (g) first aid kits.

5. **Semi-Annual Maintenance of the Interior of Station "A"**

   a. Waxing of floors (480-volt room, operations manager office, piping gallery, main floor, west 7-kV room, east 7-kV room, basement, machine shop, and engine room).

   b. Inspection of the east and west 7-kV room fire suppression system.

6. **Annual Maintenance of the Interior of Station "A"**

   a. Testing of potable water backflow device.

   b. Verification of safety data sheet (SDS) book.

Security of the Station "A" Building:

The security system at Station "A" includes 23 high definition (HD) infrared cameras with digital video recording (DVR), 21 of which are physically located on the Station "A" building. Managers and control room staff can access the camera system to monitor any suspicious activity. The camera/intercom system at the Soto Street and Seville Avenue gates also helps identify the vehicles, drivers, passengers, and license plates entering the facility.

The Station "A" building also includes a 24/7 security guard and a locked gate at the Soto Street entrance. The security guard screens visitors seeking access to Station "A". The facility security restricts access to Station "A" to authorized personnel, consistent with COC COM-9's Operational Security Plan and industry standards. Exterior and interior doors to Station "A" are accessed via use of a card key issued by the City of Vernon Police Department. All visitors to the facility are recorded in the Visitors and Systems Logs. Monthly checks are performed on all entrance and exit security doors.

Appendix H
Permit Revision Requests

June 10, 2023

NOTICE OF INTENT TO
UPDATE APPENDIX A OF TITLE V PERMIT FOR
VERNON PUBLIC UTILITIES, FACILITY ID 195802

Dear Mr. Nguyen:

The City of Vernon, Vernon Public Utilities (VPU) owns and operates the Malburg Generating Station (Facility ID 195802), which is a natural gas-fired power plant with a current Title V Permit issued by the South Coast Air Quality Management District (SCAQMD). The facility is also subject to SCAQMD's Regional Clean Air Incentives Market (RECLAIM) Program.

Per correspondence on June 7, 2023, VPU plans to replace its Rule 219 exempt 6.5 brake horsepower (BHP) Utility Pump, driven by a gasoline-fired internal combustion engine (ICE), with a 4.8 BHP Dewatering Pump, similarly driven by a gasoline-fired ICE. The ICE that will drive the new dewatering pump is exempt from a written permit pursuant to SCAQMD Rule 219(b)(1) because its horsepower rating is less than 50 BHP.

Per correspondence with Mr. Li Chen on June 7, 2023, VPU will document the change to exempted ICEs in its upcoming Annual Permit Emissions Program Report and is requesting that SCAQMD similarly update Appendix A of the facility's existing Title V Permit during its next permit revision cycle. The changes proposed by VPU are attached to this letter (**additions**/~~deletions~~).

Please contact Lisa Umeda at (323) 583-8811 ext. 561 (email address: lumeda@cityofvernon.org) or Elyse Engel at (702) 354-2648 (email address: elyse.engel@jacobs.com) if you have any questions or if you need additional information.

Thank you,

Todd Dusenberry
General Manger of Public Utilities

Encl: Mark-up of Appendix A of Title V Permit for Facility ID 195802

cc: Li Chen
Lisa Umeda
Rich Olsen
Matt Richards
Elyse Engel
Document Control

FACILITY PERMIT TO OPERATE
VERNON PUBLIC UTILITIES

APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN PERMIT PURSUANT TO RULE 219

1. PRESSURE WASHER WITHOUT HEATER, IC ENGINE, 8.5 BHP, GASOLINE-FIRED, DEWALT, MODEL DXPW3835
2. WELDER, IC ENGINE, 25 BHP, PROPANE, LINCOLN ELECTRIC, 305 LPG RANGER
3. ~~UTILITY~~ **DEWATERING** PUMP, IC ENGINE, ~~6.5~~ **4.8** BHP, GASOLINE-FIRED, ~~RIGID MODEL TP-5500~~ **HONDA MODEL WB30XT**