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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

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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).

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

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 NO_x 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



Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
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	Condition complete The Malburg Generating Station is accessible to Energy Commission staff and consultants upon request.
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 accessible to Energy Commission staff and consultants upon request. MGS prepares and maintains CPM according to the requirements of the CPM.
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	In accordance with the requirements of the CPM, all verification submittals shall be delivered electronically to the Energy Commission by the deadline of 12/15/2021, at which time the project owner shall be notified of any deficiencies. Condition complete
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.	None Specified	Annually with the Annual Compliance Report (ACR)	Ongoing	This matrix satisfies the requirements of the CPM with each ACR. Noted deficiencies have been completed.
Annual Compliance Report	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. 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	Condition complete ACRs are submitted annually and include eleven listed components.
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	Condition complete Condition complete Condition complete MGS responds to all inquiries within 24 hours; notification; reports the CPM within 10 days of all notices, complaints and citations.
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 to the CPM at least twelve months in advance of the planned closure required until that time.

Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Communication
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 plan with preparation of bringing the plan up to date on the status of the equipment warranty. 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 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 plan with preparation of bringing the plan up to date and provide an update to the CPM and major equipment owners within 14 days. 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.

Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
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 of the representatives of the Commission upon request.
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 for approval.
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 PM10 emissions from the cooling tower and submit all calculations and results on a quarterly basis in the quarterly emission reports for approval.
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.
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 all testing times and results of the diesel fired emergency firewater pump in the quarterly emissions report.
RELETED					This condition was removed.

Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
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 no less than 30 days after the end of each calendar quarter.
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 all modified air permits to the CPM within five working days of submittal either by the Project Owner 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.
Excess 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 shall be made available for inspection by representatives of the District, ARB, U.S. EPA, and Energy Commission upon request.
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 to the CPM on a quarterly basis in the quarterly emissions report.
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 to the CPM on a quarterly basis in the quarterly emissions report.
DELETED					This condition was deleted.

Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
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 a summary demonstrating compliance in this Condition quarterly basis in the quarterly emissions report. records shall be retained.
	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 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.
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.

Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
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.
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.
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.
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.
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 to the CPM on a quarterly basis in the quarterly emissions report.
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 the results of the diesel firewater pump operating time and results of the diesel firewater pump testing.
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	N/A	Ongoing	The ammonia storage tank shall be available for inspection by the District, ARB, U.S. EPA

Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
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 is located in the District, ARB, U.S. EPA and Energy Commission's jurisdiction.
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 are maintained in the District, ARB, U.S. EPA and Energy Commission's jurisdiction.
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 calibration report for the flow meter and recording device as part of the ACR.
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 calibration report for the temperature gauge and recording device as part of the ACR.
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	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	Annually with the ACR	Ongoing	MGS shall submit to the CPM for approval the calibration report for the pressure gauge and recording device as part of the ACR.

Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
DELETED					This condition was removed.
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 the required source test prior to the date of District and the CPM no less than 10 days prior to the date of the District and the source test no later than source test.	
	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 the required source test prior to the date of District and the CPM no less than 10 days prior to the date of the District and the source test no later than source test.	
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 shall be made available to the District, ARB, U.S. EPA and Energy Commission upon request.
	The Project Owner shall install and maintain a CEMS to measure NOx concentration in ppmv.	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 shall be made available to the District, ARB, U.S. EPA and Energy Commission upon request.

Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
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.	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 emission calculation quarterly emissions
	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.				
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 District, ARB, U.S. EPA request.
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 District, ARB, U.S. EPA request.
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 District, ARB, U.S. EPA request.
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 District, ARB, U.S. EPA request.

Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
0x 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 for review upon request held for the facility Operation Report.
	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 review the required source test results the source test was
Source Testing					

Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
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 shall be made available to the District, ARB, U.S. EPA and Energy Commission upon request.
	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 the District, ARB, U.S. EPA, and Energy Commission upon request.	Annually with the ACR	Ongoing	MGS shall keep records of the time, in hours, and the reason for operation of the firewater pump, maintenance and testing hours of operation for compliance, and other records to the District, ARB, U.S. EPA and Energy Commission upon request.
	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 to the District, ARB, U.S. EPA and Energy Commission as part of the response to requests for information.

Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
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 make these records available to the CPM upon request.	N/A	Ongoing	MGS operates and maintains records according to the request upon request.
	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.				

Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comm
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 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 burners according to commissioning and
	The certified NOx and CO CEMS shall be fully calibrated and operational.				
Recordkeeping	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.				
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

Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
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
					Condition complete
					Condition complete
					Condition complete
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 the materials contained in this list shall be provided to the Hazardous Materials
					Condition complete
					Condition complete
					Condition complete
					Condition complete
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 during construction are completed every five years to accomplish a full and comprehensive design review and confirmation of inspection are submitted
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 during construction are completed every five years to accomplish a full and comprehensive design review and confirmation of inspection are submitted
					Condition complete
					Condition complete
					Condition complete

Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
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 of any changes becoming aware of
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 management methods planned management methods
					Condition complete
					Condition complete
					Condition complete
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 to the CPM as part of the required compliance report
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
					Condition complete
					Condition complete
					Condition complete

Subject	Condition Description	Means of Verification	Submittal Timing	Compliance Status	Methods & Comments
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 annually and provide documentation accompanied by an ACR for that year.
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 annual maintenance in the ACR.
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 annual maintenance in the ACR.
					Condition complete
					Condition complete

Appendix B

2023 Calibration Reports





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

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

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Stevie Day

Stevie Day
Rosemount Service Representative
PH: 657 291 4328

May 23, 2023

Date

May 23, 2023

CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

Contact Information

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

CT1 FUEL

Calibration Range Data

Device Type: Multivariable Device Tag: FTCT1 11-MBP05 Model: 3051SFA1G040CCHPS1T100T33JA1A3Q4E5M5 Serial #: 47659	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
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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

Target % Of Span	Static Pressure				Differential Pressure			
	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

Target % Of Span	Temperature				Analog Out			
	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

Target % Of Span	Static Pressure				Differential Pressure			
	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

Target % Of Span	Temperature				Analog Out			
	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

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Stevie Day

Stevie Day
Rosemount Service Representative
PH: 657 291 4328

May 23, 2023

Date

May 23, 2023

CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

Contact Information

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

1 DB GAS

Calibration Range Data

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

Target % Of Span	Static Pressure				Differential Pressure			
	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

Target % Of Span	Temperature				Analog Out			
	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

Target % Of Span	Static Pressure				Differential Pressure			
	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

Target % Of Span	Temperature				Analog Out			
	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

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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 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

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Stevie Day

Stevie Day
Rosemount Service Representative
PH: 657 291 4328

May 23, 2023

Date

**Rosemount Service**

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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

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Stevie Day

Stevie Day

Rosemount Service Representative

PH: 657 291 4328

May 24, 2023

Date



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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

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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	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

Rosemount Service Representative

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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	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

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Stevie Day

Stevie Day

Rosemount Service Representative

PH: 657 291 4328

May 23, 2023

Date

May 23, 2023

CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

Contact Information

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

Target % Of Span	Static Pressure				Differential Pressure			
	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

Target % Of Span	Temperature				Analog Out			
	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

Target % Of Span	Static Pressure				Differential Pressure			
	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

Target % Of Span	Temperature				Analog Out			
	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

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

May 23, 2023

CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

Contact Information

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

Target % Of Span	Static Pressure				Differential Pressure			
	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

Target % Of Span	Temperature				Analog Out			
	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

Target % Of Span	Static Pressure				Differential Pressure			
	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

Target % Of Span	Temperature				Analog Out			
	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



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 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

Stevie Day
Rosemount Service Representative
PH: 657 291 4328

May 23, 2023

Date



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8200 Market Blvd.
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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

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

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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	Chemical Location	CERS ID	10451263
Facility Name	Malburg Generating Station	Ammonia Storage Area - Storage Tank	Facility ID	VERN
	4963 S Soto St, Vernon 90058		Status	Submitted on 3/1/2023 12:29 PM

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

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. City of Vernon, Vernon Public Utilities 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
Combustible Liquid, Class III-B		Lubricating Oil	Gallons
		CAS No	3700
		64742-54-7	Storage Container
		Map: SA-3A Grid: 6/7 B Item 33	Aboveground Tank, Other
			Type
		Mixture	Days on Site: 365
Annual Waste Amount		Federal Hazard Categories	Component Name
		- Physical	
		Flammable	
		Pressure	
		> Ambient	
		Temperature	
		> Ambient	
Hazardous Components (For mixture only)		% Wt	EHS CAS No.

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. City of Vernon, Vernon Public Utilities Malburg Generating Station 4963 S Soto St, Vernon 90058	Facility Name	CERS ID 10451263 Facility ID VERN Status Submitted on 3/1/2023 12:29 PM	Chemical Location APSA - Combustion Turbine Generator Area CTG2											
			Hazardous Components (For mixture only)											
			DOT Code/Fire Haz. Class		Common Name		Unit		Quantities		Annual Waste			
Combustible Liquid, Class III-B	CAS No 64742-54-7 Map: SA-3A	Grid: 6/7 B Item 34	Gallons		3700		Avg. Daily		3700		Federal Hazard Categories		- Physical Flammable	
			State		Storage Container		Pressure		Waste Code					
			Liquid		Aboveground Tank		> Ambient		Temperature					
			Type											
			Mixture		Days on Site: 365		> Ambient							

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.		City of Vernon, Vernon Public Utilities		Chemical Location		CERS ID	10451263
Facility Name		Malburg Generating Station		APSA - Diesel Fire Pump House		Facility ID	VERN
		4963 S Soto St, Vernon 90058				Status	Submitted on 3/1/2023 12:29 PM
						Hazardous Components	
						(For mixture only)	
						Component Name	
						% Wt	
						EHS	
						CAS No.	
DOT Code/Fire Haz. Class		Common Name		Quantities		Annual	
				Largest Cont.		Waste	
				Max. Daily		Amount	
				Avg. Daily			
				Unit		Federal Hazard	
				Gallons		Categories	
		DOT: 3 - Flammable and Combustible Liquids		State		- Physical	
				CAS No		Flammable	
				68476-34-6			
				Map: SA-3A			
				Grid: 8 C Item 46			
				Pure			
				Days on Site: 365			
				Pressure			
				Ambient			
				Temperature			
				Ambient			
				Waste Code			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.		City of Vernon, Vernon Public Utilities		Chemical Location		CERS ID	10451263									
Facility Name		Malburg Generating Station		APSA - Main Hazardous Waste Accumulation Area		Facility ID	VERN									
		4963 S Soto St, Vernon 90058				Status	Submitted on 3/1/2023 12:29 PM									
Hazardous Components (For mixture only)																
DOT Code/Fire Haz. Class		Common Name		Unit	Quantities		Annual Waste		Federal Hazard		Component Name		% Wt	EHS	CAS No.	
DOT: 3 - Flammable and Combustible Liquids	Combustible Liquid, Class II	Diesel Fuel No. 2		Gallons	110	55	110	- Physical	Flammable							
		CAS No	68476-34-6	State	Storage Container		Pressue		Waste Code	- Health Acute						
		Map: SA-3A	Grid: D3	Liquid	Steel Drum		Ambient		Temperature							
				Pure	Days on Site: 365		Ambient									
Combustible Liquid, Class III-B	Combustible Liquid, Class III-B	Lubricating Oil		Gallons	1100	55	550	- Physical	Flammable							
		CAS No	64742-54-7	State	Storage Container		Pressue		Waste Code							
		Map: SA-3A	Grid: D3	Liquid	Steel Drum		Ambient		Temperature							
				Pure	Days on Site: 365		Ambient									
Combustible Liquid, Class III-B	Combustible Liquid, Class III-B	Used lubricating oils		Gallons	110	55	220	- Physical	Flammable							
		CAS No	70514-12-4	State	Storage Container		Pressue		Waste Code							
		Map: SA-3A	Grid: D3	Liquid	Steel Drum		Ambient		Temperature							
				Waste	Days on Site: 365		Ambient									
												</				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. City of Vernon, Vernon Public Utilities		Chemical Location APSA - Natural Gas Compressor Skid		CERS ID 10451263					
Facility Name Malburg Generating Station				Facility ID VERN					
4963 S Soto St, Vernon 90058				Status Submitted on 3/1/2023 12:29 PM					
		Hazardous Components (For mixture only)							
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily Largest Cont.	Annual Waste Amount	Federal Hazard Categories	Component Name	% Wt	EHS	CAS No.
Combustible Liquid, Class III-B	Lubricating Oil	Gallons	55	55	- Physical				
	CAS No.	State	Storage Container	Pressure	Waste Code	Flammable			
	64742-54-7	Liquid	Aboveground Tank	> Ambient					
	Map: SA-3A Grid: 4 C	Type	Days on Site: 365	Temperature					
		Pure		> Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.		City of Vernon, Vernon Public Utilities		Chemical Location		CERS ID	10451263				
Facility Name		Malburg Generating Station		APSA - Natural Gas Liquid Drain Tank		Facility ID	VERN				
		4963 S Soto St, Vernon 90058				Status	Submitted on 3/1/2023 12:29 PM				
						Hazardous Components					
						(For mixture only)					
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Quantities Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Component Name	% Wt	EHS	CAS No.
Flammable Gas, Combustible Liquid, Class III-A	Lubricating Oil	Gallons	185	185	50	200	- Physical				
	CAS No	State	Storage Container		Pressure	Waste Code	Flammable				
	64742-54-7	Liquid	Aboveground Tank		> Ambient						
	Map: SA-3A	Type			Temperature						
	Grid: 4 C Item 25	Pure	Days on Site: 365		Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

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

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	City of Vernon, Vernon Public Utilities	Chemical Location	CERS ID	10451263
Facility Name	Malburg Generating Station	APSA - Substation A - Basement	Facility ID	VERN
	4963 S Soto St, Vernon 90058		Status	Submitted on 3/1/2023 12:29 PM

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

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	City of Vernon, Vernon Public Utilities	Chemical Location	CERS ID	10451263
Facility Name	Malburg Generating Station	APSA - Substation A - Generac Generator	Facility ID	VERN
	4963 S Soto St, Vernon 90058		Status	Submitted on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities		Annual Waste Amount	Federal Hazard Categories	Hazardous Components		
			Max. Daily	Largest Cont.			Component Name	% Wt	CAS No.
DOT: 3 - Flammable and Combustible Liquids	Diesel Fuel No. 2 CAS No. 68476-34-6	Gallons	500	500	450	- Physical			
		Liquid	Storage Container		Pressure	Flammable			
Combustible Liquid, Class II		Type	Other		Ambient	- Health			
		Pure	Days on Site: 365		Temperature	Carcinogenicity			
					Ambient	- 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	Chemical Location	CERS ID	10451263
Facility Name	Malburg Generating Station	APSA - Substation A - Gonzales Units	Facility ID	VERN
	4963 S Soto St, Vernon 90058		Status	Submitted on 3/1/2023 12:29 PM

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

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.		City of Vernon, Vernon Public Utilities		Chemical Location		CERS ID	10451263
Facility Name		Malburg Generating Station		Auxiliary Power Distribution Transformer Area		Facility ID	VERN
		4963 S Soto St, Vernon 90058		Transformer A		Status	Submitted on 3/1/2023 12:29 PM
						Hazardous Components (For mixture only)	
DOT Code/Fire Haz. Class		Common Name		Quantities		Annual Waste Amount	
				Largest Cont.		Avg. Daily	
DOT: 3 - Flammable and Combustible Liquids		Transformer Oil		285		285	
		CAS No.		Gallons		285	
		64742-53-6		State		Storage Container	
		Map: SA-3A		Liquid		Other	
Combustible Liquid, Class III-B		Grid: 1 B Item 44		Type		Pressure	
				Mixture		> Ambient	
				Days on Site: 365		Waste Code	
						Temperature	
						> Ambient	
						Federal Hazard Categories	
						- Physical	
						Flammable	
						Component Name	
						Severely Hydrotreated Light	
						Napthalic Hydro Oil	
						% Wt	
						100%	
						EHS	
						CAS No.	
						64742-53-6	

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. City of Vernon, Vernon Public Utilities		Chemical Location Auxiliary Power Distribution Transformer Area		CERS ID 10451263				
Facility Name Malburg Generating Station		Facility ID VERN		Status Submitted on 3/1/2023 12:29 PM				
4963 S Soto St, Vernon 90058		Transformer B						
DOT Code/Fire Haz. Class DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	Common Name Transformer Oil CAS No. 64742-53-6 Map: SA-3A Grid: 1 B Item 45	Quantities		Annual Waste Amount	Federal Hazard Categories - Physical Flammable	Component Name Severely Hydrotreated Light Napthalic Hydro Oil	% Wt 100%	EHS CAS No. 64742-53-6
		Unit Gallons	Largest Cont. 285					
		Max. Daily 285	Avg. Daily 285					
		Storage Container Liquid	Pressue > Ambient					
		Other Mixture	Temperature > Ambient					
		Days on Site: 365						

Hazardous Materials And Wastes Inventory Matrix Report

City of Vernon, Vernon Public Utilities				Chemical Location				CERS ID 10451263					
Malburg Generating Station				Auxiliary Water Treatment Chemical Area				Facility ID VERN					
4963 S Soto St, Vernon 90058								Submitted on 3/1/2023 12:29 PM					
CERS Business/Org.				Status				Hazardous Components					
Facility Name				Component Name				% Wt EHS CAS No.					
DOT Code/Fire Haz. Class				Common Name		Unit		Quantities		Annual Waste Amount		Federal Hazard Categories	
								Largest Cont.		Avg. Daily			
DOT: 8 - Corrosives (Liquids and Solids) Corrosive, Toxic, Water Reactive, Class 1				Gallons		120		120		120		- Physical Corrosive To Metal	
				State Liquid		Storage Container		Pressure		Ambient		Waste Code	
				Type Pure		Other		Temperature		Ambient			
				Map: SA-3B		Grid: 5 C Item 13		Days on Site: 365				- Health Skin Corrosion Irritation	
DOT: 8 - Corrosives (Liquids and Solids)				Chlorine Scavenger		Gallons		110		110		- Health Skin Corrosion	
Corrosive, Toxic				CAS No. 7631-90-5		State Liquid		Storage Container		Pressure		Corrosion	
				Map: SA-3B		Type Pure		Other		Ambient		Waste Code Irritation	
				Grid: 5 C Item 12		Days on Site: 365		Temperature		Ambient		- Health Serious Eye Damage Eye Irritation	
DOT: 8 - Corrosives (Liquids and Solids)				Sodium Hypochlorite		Gallons		100		100		- Physical Oxidizer	
Corrosive, Oxidizing, Class 2, Toxic				CAS No. 7681-52-9		State Liquid		Storage Container		Pressure		Health Skin Corrosion	
				Map: SA-3B		Type Pure		Plastic/Non-metallic Drum		Ambient		Waste Code Corrosion	
				Grid: 5C Item 14		Days on Site: 365		Temperature		Ambient		Irritation	
												- Health Serious Eye Damage Eye Irritation	

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. City of Vernon, Vernon Public Utilities			Chemical Location CEMS Building			CERS ID 10451263										
Facility Name Malburg Generating Station						Facility ID VERN										
4963 S Soto St, Vernon 90058						Status Submitted on 3/1/2023 12:29 PM										
						Hazardous Components (For mixture only)										
DOT Code/Fire Haz. Class		Common Name		Unit	Max. Daily	Quantities Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Component Name	% Wt	EHS	CAS No.			
DOT: 2.2 - Nonflammable Gases	Nitrogen / Nitrogen Oxide / Carbon Monoxide Blend		CAS No	Cu. Feet	1704	Storage Container Cylinder	284	852	- Physical Gas Under Pressure	Waste Code						
														State Gas	Pressure > Ambient	Waste Code
														Type Pure	Temperature Ambient	
														Map: SA-3A	Days on Site: 365	
														Grid: 3 B Item 37		
DOT: 2.2 - Nonflammable Gases	Nitrogen Gas		CAS No 7727-37-9	Cu. Feet	568	Storage Container Cylinder	568	284	- Physical Gas Under Pressure	Waste Code						
														State Gas	Pressure > Ambient	Waste Code
														Type Pure	Temperature Ambient	
														Map: SA-3A	Days on Site: 365	
														Grid: 3 B Item 36		

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.		City of Vernon, Vernon Public Utilities		CERS ID		10451263	
Facility Name		Malburg Generating Station		Facility ID		VERN	
4963 S Soto St, Vernon 90058		Generator Step-up (GSU) Transformer Area - CTG1		Status		Submitted on 3/1/2023 12:29 PM	
						Hazardous Components	
						(For mixture only)	
DOT Code/Fire Haz. Class	Common Name	Unit		Quantities		Annual Waste Amount	
		Max. Daily		Largest Cont.		Avg. Daily	
Combustible Liquid, Class III-B	Transformer Oil	Gallons		4370		4370	
	CAS No.	State		Storage Container		Pressure	
	64742-53-6	Liquid		Other		> Ambient	
	Map: SA-3A	Type		Days on Site: 365		Temperature	
	Grid: 7 D Item 30	Mixture				> Ambient	
						Federal Hazard Categories	
						- Physical	
						Flammable	
						- Physical Gas	
						Under Pressure	
						Component Name	
						Severely Hydrotreated Light	
						Napthalic Hydro Oil	
						% Wt	
						100%	
						EHS	
						CAS No.	
						64742-53-6	

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.		City of Vernon, Vernon Public Utilities		Chemical Location		CERS ID	10451263				
Facility Name		Malburg Generating Station		Generator Step-up (GSU) Transformer Area - CTG2		Facility ID	VERN				
		4963 S Soto St, Vernon 90058				Status	Submitted on 3/1/2023 12:29 PM				
						Hazardous Components (For mixture only)					
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Quantities Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids	Transformer Oil	Gallons	4370	4370	4370		- Physical	Severely Hydrotreated Light	100%		64742-53-6
	CAS No. 64742-53-6	State Liquid	Storage Container Other		Pressure > Ambient	Waste Code Temperature > Ambient	Flammable	Napthalic Hydro Oil			
Combustible Liquid, Class III-B	Map: SA-3A Grid: 7 D Item 31	Type Mixture	Days on Site: 365								

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.		City of Vernon, Vernon Public Utilities		Chemical Location		CERS ID	10451263				
Facility Name		Malburg Generating Station		Generator Step-up (GSU) Transformer Area - STG		Facility ID	VERN				
		4963 S Soto St, Vernon 90058				Status	Submitted on 3/1/2023 12:29 PM				
						Hazardous Components (For mixture only)					
DOT: 3 - Flammable and Combustible Liquids	Common Name	Unit	Quantities		Annual Waste Amount	Federal Hazard Categories	Component Name	% Wt	EHS	CAS No.	
			Max. Daily	Largest Cont.							
			4835	4835							
			4835	4835							
			4835	4835							
Combustible Liquid, Class III-B	Transformer Oil	Gallons	4835	4835	4835	- Physical Flammable	Severely Hydrotreated Light Napthalic Hydro Oil	100%	64742-53-6		
										State	Storage Container
										Liquid	Other
Combustible Liquid, Class III-B	CAS No.	64742-53-6	Type	Mixture	Days on Site: 365	Pressure > Ambient Temperature > Ambient	Waste Code				
								Map: SA-3A	Grid: 6 D Item 32		

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	City of Vernon, Vernon Public Utilities	Chemical Location	CERS ID	10451263
Facility Name	Malburg Generating Station	Heat Recovery Steam Generator (HRSG) 1 - Midsection	Facility ID	VERN
	4963 S Soto St, Vernon 90058		Status	Submitted on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class		Common Name	Unit	Quantities		Annual Waste		Federal Hazard	Hazardous Components (For mixture only)		
				Max. Daily	Largest Cont.	Avg. Daily	Amount	Categories	Component Name	% Wt	EHS CAS No.
		SCR Catalyst	Pounds	21795	21795	21795		- Physical Hazard	Ceramic materials and wares,	100%	66402-68-4
		CAS No	State	Storage Container		Pressure	Waste Code	Not Otherwise	chemicals		
			Solid	Other		Ambient		Classified	Titanium dioxide	80%	13463-67-7
		Map: SA-3A Grid: 4/5 B	Type			Temperature		- Health Skin	Tungsten oxide	24%	1314-35-8
			Mixture	Days on Site: 365		Ambient		Corrosion	Vanadium pentoxide	5%	1314-62-1
									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	Chemical Location	CERS ID	10451263
Facility Name	Malburg Generating Station	Heat Recovery Steam Generator (HRSG) 2 - Midsection	Facility ID	VERN
	4963 S Soto St, Vernon 90058		Status	Submitted on 3/1/2023 12:29 PM

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

Hazardous Materials And Wastes Inventory Matrix Report

City of Vernon, Vernon Public Utilities				Chemical Location			
Malburg Generating Station				HRSG chemical skid			
4963 S Soto St, Vernon 90058				Submitted on 3/1/2023 12:29 PM			
CERS Business/Org.		Facility Name		CERS ID		Facility ID	
DOT: 8 - Corrosives (Liquids and Solids)		Common Name		5711		10451263	
Corrosive, Toxic		CAS No				VERN	

Hazardous Materials And Wastes Inventory Matrix Report

City of Vernon, Vernon Public Utilities Malburg Generating Station 4963 S Soto St, Vernon 90058			Chemical Location HRSG Cooling Tower Bulk Chemical Area			CERS ID	10451263
CERS Business/Org. Facility Name						Facility ID	VERN
						Status	Submitted on 3/1/2023 12:29 PM
						Hazardous Components (For mixture only)	
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities		Annual Waste Amount	Federal Hazard Categories	Component Name
			Max. Daily	Largest Cont.			% Wt
Combustible Liquid, Class III-B, Toxic	Acrylate Polymer, Phosphate, Phosphonate CAS No Map: SA-3B Grid: 2 A Item 6	Gallons	400	400	200	- Health Skin	
		State	Storage Container		Pressure	Corrosion	
		Liquid	Aboveground Tank		Ambient	Irritation	
		Type			Temperature		
DOT: 8 - Corrosives (Liquids and Solids)	Sodium Hypochlorite CAS No 7681-52-9 Map: SA-3B Grid: 2 A Item 8	Mixture	Days on Site: 365		Ambient		
		Gallons	1700	1700	1500	- Physical Oxidizer	
		State	Storage Container		Pressure		
		Liquid	Plastic/Non-metallic Drum		Ambient	- Health Skin	
Corrosive, Oxidizing, Class 2, Toxic		Type			Temperature	Corrosion	
		Pure	Days on Site: 365		Ambient	Irritation	
						- Health Serious	
						Eye Damage Eye	
DOT: 8 - Corrosives (Liquids and Solids)	Sulfuric Acid 66 Be CAS No 7664-93-9 Map: SA-3B Grid: 2 A Item 7	Irritation					
		Gallons	2500	2500	1500	- Physical	
		State	Storage Container		Pressure	Corrosive To	
		Liquid	Aboveground Tank		Ambient	Metal	
Corrosive, Water Reactive, Class 2, Toxic		Type			Temperature	- Health Skin	
		Pure	Days on Site: 365		Ambient	Corrosion	
						Irritation	
						- Health Serious	
						Eye Damage Eye	
						Irritation	

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.			City of Vernon, Vernon Public Utilities			Chemical Location			CERS ID 10451263										
Facility Name			Malburg Generating Station			HRSG Cooling Tower Specialty Chemical Area			Facility ID VERN										
4963 S Soto St, Vernon 90058									Status Submitted on 3/1/2023 12:29 PM										
DOT Code/Fire Haz. Class			Common Name			Unit		Quantities		Annual Waste Amount		Federal Hazard Categories		Component Name		% Wt		EHS CAS No.	
DOT: 8 - Corrosives (Liquids and Solids) Corrosive, Toxic, Flammable Liquid, Class I-C				Biocide			Gallons	110	110	110			- Health Acute Toxicity	Dimethyl-Dioctyl-Ammonium Chloride		50%	5538-94-3		
				CAS No			State	Storage Container		Pressure		Waste Code	- Health Skin Corrosion Irritation	Glycerol		10%	56-81-5		
				Map: SA-3B			Liquid	Aboveground Tank		Ambient									
				Grid: 4 B/C Item 4			Type			Temperature									
						Mixture	Days on Site: 365			Ambient			- Health Serious Eye Damage Eye Irritation						
Hazardous Components (For mixture only)																			
Flammable Liquid, Class I-C				Biodispersant - Deposit Penetrant			Gallons	105	105	105			- Physical Flammable						
				CAS No			State	Storage Container		Pressure		Waste Code							
				Map: SA-3B			Liquid	Aboveground Tank		Ambient									
				Grid: 4 B/C Item 5			Type			Temperature									
						Mixture	Days on Site: 365			Ambient									

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.		City of Vernon, Vernon Public Utilities		Chemical Location		CERS ID		10451263			
Facility Name		Malburg Generating Station		HRSG Water Treatment Chemical Area		Facility ID		VERN			
		4963 S Soto St, Vernon 90058				Status		Submitted on 3/1/2023 12:29 PM			
								Hazardous Components			
								(For mixture only)			
Corrosive	DOT Code/Fire Haz. Class	Common Name	Unit	Quantities		Annual Waste Amount	Federal Hazard Categories	Component Name	% Wt	EHS	CAS No.
				Max. Daily	Largest Cont.						
				Avg. Daily							
		Boiler Phosphate	Gallons	200	200	- Health Skin	Sodium Hydroxide	5%	1310-73-2		
		CAS No	State	Storage Container	Waste Code	Corrosion	Sodium Tripolyphosphate	5%	7758-29-4		
			Liquid	Aboveground Tank	Pressure	Irritation					
			Type		Ambient						
		Map: SA-3A	Mixture	Days on Site: 365	Temperature						
		Grid: 3 B/C Item 3			Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.		City of Vernon, Vernon Public Utilities		Chemical Location		CERS ID	10451263												
Facility Name		Malburg Generating Station		Main Power Distribution Transformer Area Transformer		Facility ID	VERN												
		4963 S Soto St, Vernon 90058		A		Status	Submitted on 3/1/2023 12:29 PM												
						Hazardous Components (For mixture only)													
DOT Code/Fire Haz. Class		Common Name		Unit		Quantities		Annual Waste Amount		Federal Hazard Categories		Component Name		% Wt		EHS		CAS No.	
DOT: 3 - Flammable and Combustible Liquids		Transformer Oil		Gallons	280	280	280	280	280	- Physical	Severely Hydrotreated Light	100%	64742-53-6						
		CAS No.	64742-53-6	State	Liquid	Storage Container	Other	Pressure	> Ambient	Waste Code	Flammable	Napthalic Hydro Oil							
Combustible Liquid, Class III-B		Map: SA-3A	Type	Mixture	Days on Site: 365	Temperature	> Ambient												
		Grid: 5/6 Item 42																	

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.		City of Vernon, Vernon Public Utilities		Chemical Location		CERS ID	10451263												
Facility Name		Malburg Generating Station		Main Power Distribution Transformer Area Transformer		Facility ID	VERN												
		4963 S Soto St, Vernon 90058		B		Status	Submitted on 3/1/2023 12:29 PM												
						Hazardous Components (For mixture only)													
DOT Code/Fire Haz. Class		Common Name		Unit		Quantities		Annual Waste Amount		Federal Hazard Categories		Component Name		% Wt		EHS		CAS No.	
DOT: 3 - Flammable and Combustible Liquids	Transformer Oil		Gallons	280	280	280	280	280	280	- Physical	Severely Hydrotreated Light	100%	64742-53-6						
	CAS No		Liquid	Storage Container						Flammable	Naphthalic Hydro Oil								
	64742-53-6		Type	Other						Pressure									
Combustible Liquid, Class III-B		Map: SA-3A	Mixture	Days on Site: 365						Temperature									
		Grid: 5/6 Item 43								> Ambient									

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.		City of Vernon, Vernon Public Utilities		Chemical Location		CERS ID	10451263
Facility Name		Malburg Generating Station		Natural Gas Accumulator		Facility ID	VERN
		4963 S Soto St, Vernon 90058				Status	Submitted on 3/1/2023 12:29 PM
						Hazardous Components	
						(For mixture only)	
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities		Annual Waste Amount	Federal Hazard Categories	Component Name
			Max. Daily	Largest Cont.			% Wt
Flammable Gas, Explosive, Toxic	Natural Gas	Cu. Feet	1600	1600	1600	- Physical	
	CAS No.	State	Storage Container		Waste Code	Flammable	
	8006-14-2	Gas	Aboveground Tank		Pressure	- Physical Gas	
	Map: SA-3A	Type			> Ambient	Under Pressure	
	Grid: 4 C Item 23	Pure	Days on Site: 365		Temperature	- Physical	
					Ambient	Explosive	
						- Health Simple	
						Asphyxiant	

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	City of Vernon, Vernon Public Utilities	Chemical Location	CERS ID	10451263
Facility Name	Malburg Generating Station	Natural Gas Compressor Skid	Facility ID	VERN
	4963 S Soto St, Vernon 90058		Status	Submitted on 3/1/2023 12:29 PM

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

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. City of Vernon, Vernon Public Utilities		Chemical Location Natural Gas Cooler		CERS ID 10451263						
Facility Name Malburg Generating Station				Facility ID VERN						
4963 S Soto St, Vernon 90058				Status Submitted on 3/1/2023 12:29 PM						
Hazardous Components (For mixture only)										
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Quantities Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Component Name	% Wt	EHS CAS No.
Flammable Gas	Natural Gas	Cu. Feet	1600	1600	1600		- Physical			
	CAS No.	State	Storage Container		Pressure	Waste Code	Flammable			
	8006-14-2	Gas	Aboveground Tank		> Ambient		- Physical Gas			
	Map: SA-3A Grid: 4 C Item 22	Type			Temperature		Under Pressure			
		Pure	Days on Site: 365		Ambient		- Physical Explosive - Health Simple Asphyxiant			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.		City of Vernon, Vernon Public Utilities		Chemical Location		CERS ID		10451263	
Facility Name		Malburg Generating Station		Natural Gas CTG1 Metering / Control Skid		Facility ID		VERN	
4963 S Soto St, Vernon 90058						Status		Submitted on 3/1/2023 12:29 PM	
								Hazardous Components	
								(For mixture only)	
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities		Annual Waste Amount	Federal Hazard Categories	Component Name	% Wt	EHS CAS No.
			Max. Daily	Largest Cont.					
Flammable Gas, Explosive, Toxic	Natural Gas	Cu. Feet	9000	9000	9000	- Physical			
	CAS No	State	Storage Container		Waste Code	Flammable			
	8006-14-2	Liquid	Aboveground Tank		Pressure	- Physical Gas			
	Map: SA-3A	Type			> Ambient	Under Pressure			
	Grid: 6 B Item 26	Pure	Days on Site: 365		Ambient	- Physical			
						Explosive			
						- Health Simple			
						Asphyxiant			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. City of Vernon, Vernon Public Utilities			Chemical Location			CERS ID	10451263				
Facility Name Malburg Generating Station			Natural Gas Electric Heater			Facility ID	VERN				
4963 S Soto St, Vernon 90058						Status	Submitted on 3/1/2023 12:29 PM				
						Hazardous Components (For mixture only)					
DDOT Code/Fire Haz. Class	Common Name	Unit	Quantities		Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Component Name	% Wt	EHS	CAS No.
			Max. Daily	Largest Cont.							
Flammable Gas, Explosive	Natural Gas	Cu. Feet	1600	1600	1600		- Physical				
	CAS No	State	Storage Container		Pressure	Waste Code	Flammable				
	8006-14-2	Gas	Aboveground Tank		> Ambient		- Physical Gas				
	Map: SA-3B	Type			Temperature		Under Pressure				
	Grid: 4 C Item 24	Pure	Days on Site: 365		Ambient		- Physical Explosive - Health Simple Asphyxiant				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	City of Vernon, Vernon Public Utilities	Chemical Location	CERS ID	10451263
Facility Name	Malburg Generating Station	Natural Gas Regulation / Metering Pad	Facility ID	VERN
	4963 S Soto St, Vernon 90058		Status	Submitted on 3/1/2023 12:29 PM

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

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.		City of Vernon, Vernon Public Utilities		Chemical Location		CERS ID		10451263	
Facility Name		Malburg Generating Station		Starter Motor Transformer Area - CTG1		Facility ID		VERN	
4963 S Soto St, Vernon 90058						Status		Submitted on 3/1/2023 12:29 PM	
						Hazardous Components			
						(For mixture only)			
DOT Code/Fire Haz. Class		Common Name		Unit		Quantities		Annual Waste	
						Largest Cont.		Amount	
						Max. Daily		Avg. Daily	
						490		490	
						Gallons			
						State		Pressure	
						Liquid		> Ambient	
						Type		Temperature	
						Mixture		> Ambient	
						Days on Site: 365			
						Storage Container			
						Other			
						Waste Code			
						- Physical Gas			
						Under Pressure			
						Federal Hazard Categories			
						- Physical			
						Flammable			
						Severely Hydrotreated Light			
						Napthalic Hydro Oil			
						100%			
						EHS			
						CAS No.			
						64742-53-6			
						Map: SA-3A			
						Grid: 7 B Item 40			
						Combustible Liquid, Class III-B			
						DOT: 3 - Flammable and Combustible Liquids			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.		City of Vernon, Vernon Public Utilities		Chemical Location		CERS ID		10451263	
Facility Name		Malburg Generating Station		Facility ID		VERN			
4963 S Soto St, Vernon 90058				Status		Submitted on 3/1/2023 12:29 PM			
						Hazardous Components			
						(For mixture only)			
DOT Code/Fire Haz. Class		Common Name		Quantities		Annual Waste Amount		Federal Hazard Categories	
				Unit		Max. Daily		Component Name	
				Gallons		490		Severely Hydrotreated Light	
				State		Storage Container		Napthalic Hydro Oil	
				Liquid		Other			
				Type		Pressue			
				Mixture		> Ambient			
				Days on Site: 365		Temperature			
						> Ambient			
DOT: 3 - Flammable and Combustible Liquids		Transformer Oil				Waste Code - Physical Gas		- Physical	
		CAS No						Flammable	
		64742-53-6							
		Map: SA-3A		Grid: 7 C Item 41					
Combustible Liquid, Class III-B								Under Pressure	

Hazardous Materials And Wastes Inventory Matrix Report

City of Vernon, Vernon Public Utilities			Chemical Location			CERS ID	10451263						
Malburg Generating Station			Station A - Aux Room			Facility ID	VERN						
4963 S Soto St, Vernon 90058						Status	Submitted on 3/1/2023 12:29 PM						
			Hazardous Components										
			(For mixture only)										
DOT Code/Fire Haz. Class		Common Name		Unit	Quantities		Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids	FR3 Oil (mineral OIL)		Gallons	440	220	440			- Physical				
	CAS No. 64742-53-6		Liquid	Storage Container		Pressue			Flammable				
Combustible Liquid, Class III-B			Type	Other		Ambient			- Health				
			Mixture	Days on Site: 365		Temperature			Aspiration Hazard				
						Ambient							

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	City of Vernon, Vernon Public Utilities	Chemical Location	CERS ID	10451263
Facility Name	Malburg Generating Station	Substation A - Battery Bank E-side of Station A	Facility ID	VERN
	4963 S Soto St, Vernon 90058		Status	Submitted on 3/1/2023 12:29 PM

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

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	City of Vernon, Vernon Public Utilities	CERS ID	10451263
Facility Name	Malburg Generating Station	Facility ID	VERN
	4963 S Soto St, Vernon 90058	Status	Submitted on 3/1/2023 12:29 PM

DOT Code/Fire Haz. Class		Common Name	Unit	Max. Daily	Quantities		Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Component Name	% Wt	EHS	CAS No.
					Largest Cont.								
		Inergen	Cu. Feet	13000	355		12070		- Physical Gas	Nitrogen	43%		7727-37-9
		CAS No	State	Storage Container			Pressure	Waste Code	Under Pressure	Argon	47%		7740-37-1
			Gas	Cylinder			Ambient		- Health	Carbon Dioxide	11%		124.38-9
			Type				Temperature		Respiratory Skin				
			Mixture	Days on Site: 365			Ambient		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 Mailburg Generating Station									
4963 S Soto St, Vernon 90058									
CERS ID 10451263									
Facility ID VERN									
Submitted on 3/1/2023 12:29 PM									
Status									
Hazardous Components (For mixture only)									
Component Name									
Federal Hazard Categories									
Annual Waste Amount									
Quantities Largest Cont.									
Max. Daily									
Unit									
Common Name									
DOT Code/Fire Haz. Class									
DOT: 2.2 - Nonflammable Gases									
Cu. Feet									
State									
Gas									
Type									
Pure									
Days on Site: 365									
Storage Container									
Other									
Pressue									
Ambient									
Temperature									
Ambient									
Waste Code									
Under Pressure									
- Health Simple									
Asphyxiant									
Physical Gas									
2400									
120									
2400									
Sulfur Hexafluoride									
CAS No									
2551-62-4									

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	City of Vernon, Vernon Public Utilities	Chemical Location	CERS ID	10451263
Facility Name	Malburg Generating Station	Substation A - Piping Galley	Facility ID	VERN
	4963 S Soto St, Vernon 90058		Status	Submitted on 3/1/2023 12:29 PM

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

Hazardous Materials And Wastes Inventory Matrix Report

City of Vernon, Vernon Public Utilities			Chemical Location			CERS ID	10451263
Malburg Generating Station			Substation A - Transformers			Facility ID	VERN
4963 S Soto St, Vernon 90058						Status	Submitted on 3/1/2023 12:29 PM
						Hazardous Components	
						(For mixture only)	
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Quantities Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories
DOT: 2.2 - Nonflammable Gases	Nitrogen Gas	Cu. Feet	460	230	400		
		State	Storage Container		Pressure	Waste Code	- Physical Gas
		Gas	Cylinder		Ambient		Under Pressure
		Type			Temperature		- Health Simple
		Pure	Days on Site: 365		Ambient		Asphyxiant
						Component Name	% Wt
							EHS CAS No.

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	City of Vernon, Vernon Public Utilities										CERS ID		10451263				
Facility Name	Malburg Generating Station										Facility ID		VERN				
	4963 S Soto St, Vernon 90058										Status		Submitted on 3/1/2023 12:29 PM				
Hazardous Components (For mixture only)																	
DOT Code/Fire Haz. Class		Common Name		Unit		Quantities		Annual Waste Amount		Federal Hazard Categories		Component Name		% Wt		EHS CAS No.	
DOT: 3 - Flammable and Combustible Liquids		Hytrans 61 (Transformer Oil)		Gallons		7100		28170		- Physical Flammable							
		State		Storage Container				Pressure									
		Liquid		Other				Ambient		Waste Code							
		Type						Temperature									
		Mixture						Ambient									
Combustible Liquid, Class III-B										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}			Average Water Usage (gpd)	Hours Used for Process Cooling ³	Days Used for Process Cooling
		(gal)	(cu. ft.)	(acre-feet)			
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
Monthly 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:

$$\begin{aligned}
 1 \text{ cu. ft.} &= 7.481 \text{ gallons} \\
 1 \text{ acre-foot} &= 43,560 \text{ cu. ft.}
 \end{aligned}$$

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 Manager 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