| DOCKETED | |
|---|---|
| **Docket Number:** | 01-AFC-25C |
| **Project Title:** | Malburg Generating Station-Compliance |
| **TN #:** | 248600 |
| **Document Title:** | Malburg Generating Station Annual Compliance Report 2022 |
| **Description:** | N/A |
| **Filer:** | Elyse Engel |
| **Organization:** | Jacobs Engineering Group Inc. |
| **Submitter Role:** | Applicant |
| **Submission Date:** | 1/30/2023 10:45:04 AM |
| **Docketed Date:** | 1/30/2023 |

City of Vernon

4305 Santa Fe Avenue, Vernon, California 90058
Telephone (323) 583-8811

January 30, 2023

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Siting, Transmission and Environmental Protection Division
Compliance Monitoring and Enforcement Office
California Energy Commission
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Subject: COM-8: 2022 Annual Compliance Report
January 1, 2022 through December 31, 2022
Malburg Generating Station (01-AFC-25C)

Dr. Ali,

Attached please find the 2022 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.

Sincerely,

Rich Olsen
Assistant General Manager of Generation & Operations
City of Vernon, Public Utilities Department

Enclosure: 2022 MGS Annual Compliance Report

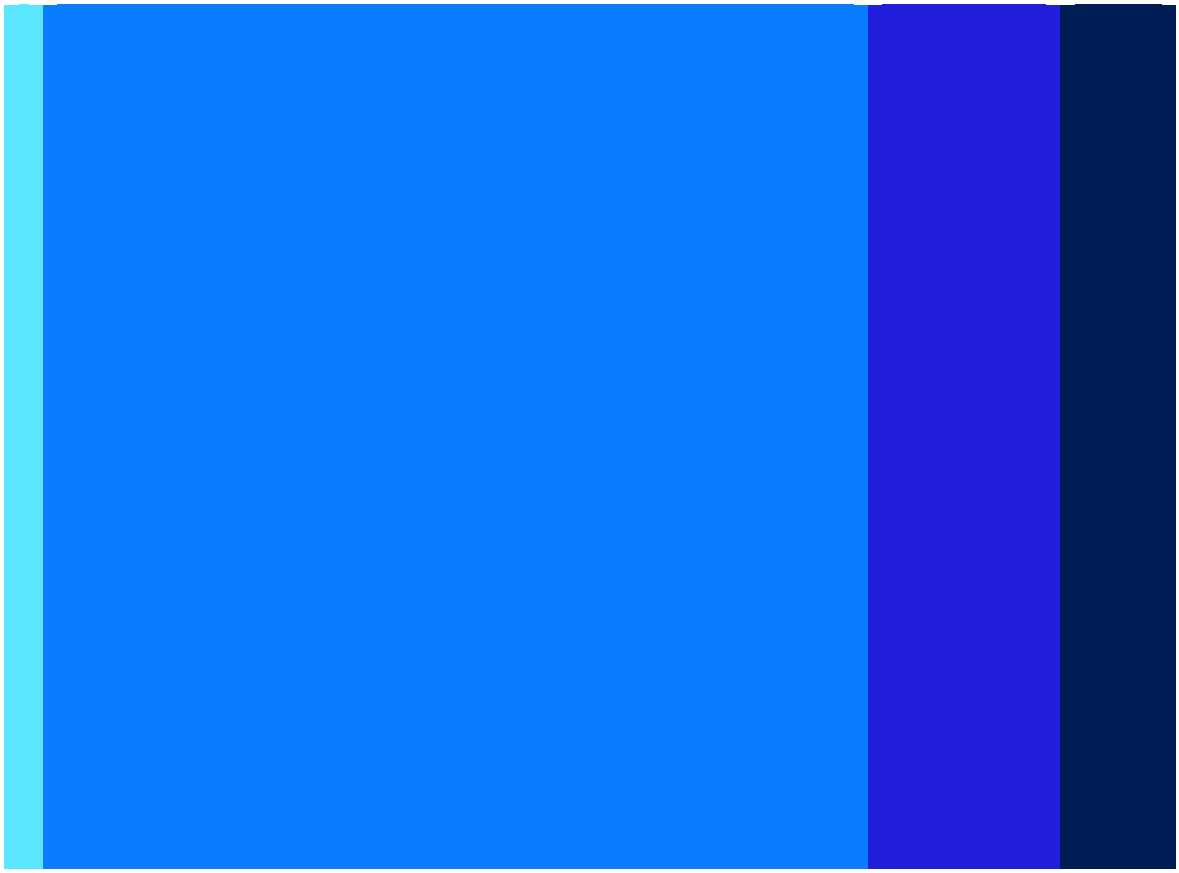
# Malburg Generating Station 2022 Annual Compliance Report: January 1, 2022 – December 31, 2022

*Submitted to*
California Energy Commission

*Submitted by*
City of Vernon, Public Utilities Department

January 30, 2023

Document no: 062bd417_23012514
Revision no: 0



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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 |
| COC | Condition of Certification |
| CPM | Compliance Project Manager |
| CTGs | combustion turbine generators |
| EDRs | Electronic Data Reports |
| EIA | Energy Information Administration |
| EPA | Environmental Protection Agency |
| ERA | Exceedance Response Action |
| HECD | Health and Environmental Control Department |
| 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 |
| RMP | Risk Management Plan |
| RTU | Remote Terminal Unit |
| RWQCB | Regional Water Quality Control Board |
| SAM | Semi-Annual Monitoring |
| SCAQMD | South Coast Air Quality Management District |
| SCR | Selective Catalytic Reduction |
| SPCC | Spill Prevention, Control and Countermeasures |
| STG | steam turbine generator |
| VPU | City of Vernon, Public Utilities Department |

# 1. Introduction

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

## 1.1 Project Location and Description

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

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

## 1.2 Organization of the Annual Compliance Report

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

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

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

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

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

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

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

**Table 4-1. Required Annual Compliance Report Documentation**

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

| Condition of Certification | Response |
|---|---|
| COM-6 | The updated MGS – CEC Commission Decision Compliance Matrix is provided in Appendix A and includes the technical area, condition number, a brief description of the verification action or submittal required by the condition, the date the submittal is required, the expected and/or actual submittal date, the date a submittal or action was approved, and the compliance status of each condition, as required. |
| COM-8 | This ACR was submitted by the date agreed to by the CPM and identifies the reporting period. |
| COM-8 | An updated compliance matrix has been included in Appendix A and shows the status of all COCs (fully satisfied conditions may be excluded from the compliance matrix upon being reported as completed). |
| COM-8 | A summary of the current project operating status and an explanation of any significant changes to facility operations during the year is included in Section 3 of this ACR. |
| COM-8 | Documents required by specific conditions are provided as attachments to this ACR and are identified in this table, as referenced in the cover letter, with the condition(s) they satisfy. |
| COM-8 | A cumulative list of all approved post-certification changes is included in Section 5 of this ACR. |
| COM-8 | An explanation for any submittal deadlines that were missed, accompanied by an estimate of when the information will be provided, is included in Section 6 of this ACR. |
| COM-8 | A listing of filings submitted to, or permits issued by, other governmental agencies during the year is included in Section 7 of this ACR. |
| COM-8 | A projection of project compliance activities scheduled during the next year is included in Section 8 of this ACR. |
| COM-8 | A listing of the year's additions to the on-site compliance file is included in Section 9 of this ACR. |
| COM-8 | An evaluation of the On-Site Contingency Plan was performed and is described in Section 10 of this ACR, along with any recommended updates. |
| COM-8 | A listing of complaints, notices of violation, official warnings, and citations received during the year, a description of how the issues were resolved, and the status of any unresolved issues is included in Section 11 of this ACR. |
| COM-8 | A listing of all outages planned for the coming year, including the anticipated duration and the reason for each outage, and a listing of all outages that occurred during the previous year are included in Section 12 of this ACR. |
| COM-14 | See the response to COM-8 above. |
| AQ-19 | The 2022 annual calibration report for the ammonia flow meter is provided in Appendix B. |
| AQ-20 | The 2022 annual calibration report for the Selective Catalytic Reduction (SCR) Temperature Gauge is also provided in Appendix B. |
| AQ-21 | The 2022 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 again 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 again 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. |
| 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. |

| Condition of Certification | Response |
|---|---|
| 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)

The following post-certification change was approved by the CEC during the reporting period:

- *Statement of Staff Approval for Change of Ownership and Operational Control* was approved by the CEC on February 8, 2022 (TN #241490)

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

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

# 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 modified air permits to the CPM within 15 days of receipt. As described in Section 7 below, the South Coast Air Quality Management District (SCAQMD) issued a revised Title V Facility Permit to Operate on April 19, 2022 to address the facility's change of ownership and assign a new Facility ID for SCAQMD reporting purposes. A copy of this permit was not provided to the CPM within 15 days, as required, but was submitted to the CPM via e-mail on January 30, 2023.
- COCs AQ-19, AQ-20, and AQ-21 require MGS' ammonia flow meter, temperature gauge, and pressure gauge, respectively, to be calibrated every 12 months. During the reporting period, these calibrations were performed on May 19, 2022 to coincide with the plant's spring outage, instead of by the deadline of March 31, 2022.
- For purposes of reporting under Code of Federal Regulations, Title 40, Part 75 (40 CFR 75), MGS' fuel flow meter was calibrated on May 19, 2022 to coincide with the plant's spring outage, instead of by the deadline of March 31, 2022.
- The monthly November 2022 Major Source Nitrogen Oxides (NOx) Report was submitted one day late on December 16, 2022 due to server downtime at the SCAQMD, which blocked the receipt of VPU's Remote Terminal Unit (RTU) transmission.
- COC COM-12 requires MGS to submit copies of all complaints, notices of violations, notices of fines, official warnings, and citations to the CPM within 10 days of receipt. As described in Section 11 below, notices were received from both the City of Vernon, Health and Environmental Control Department (HECD) and the SCAQMD during the reporting period. Copies of these notices were not provided to the CPM within 10 days, as required, but have been included with this ACR in Appendix H.

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

## 7.1 Permits

The following permits were issued by other governmental agencies during the reporting period:

- Title V Facility Permit to Operate, Vernon Public Utilities, Facility ID 195802, Revision #21. Issued by the SCAQMD on April 19, 2022.
- Title V Facility Permit to Operate, Vernon Public Utilities, Facility ID 195802, Revision #22. Issued by the SCAQMD on July 1, 2022.
- Temporary Industrial Wastewater Discharge Permit No. 22786, City of Vernon, Facility ID 9257292. Issued by the Los Angeles County Sanitation Districts (LACSD) on February 9, 2022.

## 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 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 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 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:

- Risk Management Plan (RMP) for Ammonia Water Solution Handling at MGS, submitted to the HECD on January 14, 2022 and revised on May 17, 2022
- Spill Prevention, Control and Countermeasures (SPCC) Plan, submitted to the HECD on March 10, 2022
- Industrial Wastewater Discharge Permit Application for City of Vernon, Temporary Permit No. 22786, Facility ID 9257292, submitted to LACSD on March 15, 2022
- Revisions to the HMBP, submitted in CERS on March 16, March 23, April 7, and November 7, 2022
- Form 500-N Deviation Report for excess ammonia emissions on March 18, 2022, submitted to the SCAQMD on May 2, 2022
- Form 500-N Deviation Report for excess ammonia emissions on May 26, 2022, submitted to the SCAQMD on June 8, 2022
- Level 1 Exceedance Response Action (ERA) Report and revised Storm Water Pollution Prevention Plan, submitted to the RWQCB on December 29, 2022

# 8. Scheduled Compliance Activities for January 1, 2023 to December 31, 2023 (COM-8)

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

- Annual Compliance Reports
- Semi-Annual Compliance Reports
- Quarterly Compliance Reports
- Daily and Monthly NOx Emission Reports
- Air emission and water source testing

- Updates to the On-Site Contingency Plan, as needed
- Responding to, and maintaining records of, complaints, incidents, and violations
- Building and landscaping maintenance

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

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

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

MGS' On-Site Contingency Plan is currently being updated to reflect changes to the facility owner, facility operator, responsible individuals, etc. The plan, including insurance coverage and major equipment warranties, is being reviewed concurrent with these updates to identify and enact other necessary revisions. The proposed revisions will be submitted under separate cover for the CPM's review and approval no later than February 28, 2023.

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

Complaints, notices of violation, official warnings, and citations received during the reporting period are summarized in the table below. Copies of these notices are provided in Appendix H.

**Table 11-1 Complaints, Notices, Warnings, Citations and Fines Received**

| Date Received | Agency | Type | ID No. | Nature | Status |
|---|---|---|---|---|---|
| June 20, 2022 | SCAQMD | Notice to Comply | E55763 | Failure to accurately report quarterly emissions within the reconciliation period for the 3rd Quarter QCER, for the reporting period of January 1 through March 31, 2022 [SCAQMD Rule 2004(e)]. | Resolved August 24, 2022 with submittal of the revised 3rd Quarter QCER forms as part of the APEP report. |
| February 10, 2022 | HECD | Notice of Violation | 4010041 | Failure to address in the SPCC Plan the type of oil and storage capacity for each fixed container. | Resolved March 10, 2022 with submittal of the revised SPCC Plan. |
| February 10, 2022 | HECD | Notice of Violation | 1010005 | Failure to electronically submit a site map, as part of the HMBP, with all required content. | Resolved March 16, 2022 with submittal of the revised HMBP. |
| February 10, 2022 | HECD | Notice of Violation | 1010004 | Failure to electronically submit complete and accurate hazardous material inventory information for all hazardous materials on sites at/or above reportable quantities. | Resolved March 23, 2022 with submittal of the revised HMBP. |
| April 7, 2022 | HECD | Notice of Violation | 5010005 | Failure to submit an RMP which includes all requirements described in Sections 2745.3 through 2745.5 and 2745.8 through 2745.9. | Resolved May 17, 2022 with submittal of the revised RMP. |

# 12. Facility Outages (COM-8)

## 12.1 2022 Outages

The following outages occurred during the reporting period:

- May 1, 2022 from 00:00 to May 23, 2022 at 08:00; CTG 1, CTG 2, and STG spring outage, including inspections, semi-annual maintenance, and limited overhaul.
- November 13, 2022 from 00:00 to November 18, 2022 at 09:00; CTG 1, CTG 2, and STG fall outage, including inspections and semi-annual maintenance.

## 12.2 Planned 2023 Outages

The following outages are planned for the upcoming reporting period:

- May 21, 2023 from 00:00 to May 27, 2023 at 24:00; CTG 1, CTG 2, and STG spring outage, including inspections, semi-annual maintenance, and air filtration upgrades/improvements.
- November 5, 2023 from 00:00 to November 30, 2023 at 24:00; CTG 1, CTG 2, and STG fall outage, including inspections, CTG enclosure air filtration upgrades, and semi-annual maintenance.

# Appendix A
# MGS CEC – Commission Decision Compliance Matrix

**Malburg Generating Station**
CEC Conditions of Certification Compliance Matrix
*Last Revised: January 18, 2023*

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

**Malburg Generating Station**
CEC Conditions of Certification Compliance Matrix
*Last Revised: January 18, 2023*

| Condition # | Technical Area | Subject | Condition Description | Means of Verification | Submittal Timing | Compliance Status | Methods & Comments |
|---|---|---|---|---|---|---|---|
| COM-14 | Compliance | Unplanned Temporary Closure / On-Site Contingency Plan | To ensure that public health and safety and the environment are protected in the event of an unplanned temporary closure, the project owner shall submit an on-site contingency plan including the listed components no less than 60 days prior to commencement of commercial operation. The approved plan must be in place prior to commercial operation of the facility and shall be kept at the site at all times.<br><br>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.<br><br>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.<br><br>In the event of an unplanned temporary closure, the project owner shall notify the CPM, as well as other responsible agencies, by telephone, fax, or e- mail, within 24 hours and shall take all necessary steps to implement the on-site contingency plan. The project owner shall keep the CPM informed of the circumstances and expected duration of the closure. | None Specified | Notification within 24 hours of unplanned temporary closure; Plan review annually with the ACR (Update as needed) | Ongoing | MGS will review the on-site contingency plan in conjunction with preparation of the ACRs and recommend changes to bring the plan up to date. MGS will also provide an update on the status of the insurance coverage and major equipment warranties in the ACRs.<br><br>In the event of an unplanned temporary closure, MGS shall notify the CPM, as well as other responsible agencies, by telephone, fax, or e-mail, within 24 hours and shall take all necessary steps to implement the on-site contingency plan. |
| COM-15 | Compliance | Unplanned Permanent Closure / On-Site Contingency Plan | The on-site contingency plan required for unplanned temporary closure shall also cover unplanned permanent facility closure. All of the requirements specified for unplanned temporary closure shall also apply to unplanned permanent closure.<br><br>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.<br><br>In the event of an unplanned permanent closure, the project owner shall notify the CPM, as well as other responsible agencies, by telephone, fax, or e-mail, within 24 hours and shall take all necessary steps to implement the on-site contingency plan. The project owner shall keep the CPM informed of the status of all closure activities. | None Specified | Notification within 24 hours of unplanned permanent closure; Plan review annually with the ACR (Update as needed) | Ongoing | MGS will review the on-site contingency plan in conjunction with preparation of the ACRs and recommend changes to bring the plan up to date per COC COM-14. MGS will also provide an update on the status of the insurance coverage and major equipment warranties in the ACRs per COC COM-14.<br><br>In the event of an unplanned permanent closure, MGS shall notify the CPM, as well as other responsible agencies, by telephone, fax, or e-mail, within 24 hours and shall take all necessary steps to implement the on-site contingency plan. |
| COM-16 | Compliance | Post Certification Changes to the CEC Decision | The project owner must petition the Energy Commission to delete or change a condition of certification, modify the project design or operational requirements and/or transfer ownership of operational control of the facility.<br><br>A petition is required for amendments and for insignificant project changes (as defined in COC COM-16). For verification changes (as defined in COC COM-16), a letter from the project owner is sufficient. In all cases, the petition or letter requesting a change should be submitted to the Energy Commission's Docket. | None Specified | As Needed | Ongoing | MGS will petition the Energy Commission if revisions to the Decision to delete or change a condition of certification, modify the project design or operational requirements and/or transfer ownership of operational control of the facility are needed. A cumulative listing of all approved post-certification changes is included in each ACR per COC COM-8. |
| GEN-1 | | | | | | | Condition completely satisfied. |
| GEN-2 | | | | | | | Condition completely satisfied. |
| GEN-3 | | | | | | | Condition completely satisfied. |
| GEN-4 | | | | | | | Condition completely satisfied. |
| GEN-5 | | | | | | | Condition completely satisfied. |
| GEN-6 | | | | | | | Condition completely satisfied. |
| GEN-7 | | | | | | | Condition completely satisfied. |
| GEN-8 | | | | | | | Condition completely satisfied. |

| Condition # | Technical Area | Subject | Condition Description | Means of Verification | Submittal Timing | Compliance Status | Methods & Comments |
|---|---|---|---|---|---|---|---|
| CIVIL-1 | | | | | | | Condition completely satisfied. |
| CIVIL-2 | | | | | | | Condition completely satisfied. |
| CIVIL-3 | | | | | | | Condition completely satisfied. |
| CIVIL-4 | | | | | | | Condition completely satisfied. |
| STRUC-1 | | | | | | | Condition completely satisfied. |
| STRUC-2 | | | | | | | Condition completely satisfied. |
| STRUC-3 | | | | | | | Condition completely satisfied. |
| STRUC-4 | | | | | | | Condition completely satisfied. |
| MECH-1 | | | | | | | Condition completely satisfied. |
| MECH-2 | | | | | | | Condition completely satisfied. |
| MECH-3 | | | | | | | Condition completely satisfied. |
| ELEC-1 | | | | | | | Condition completely satisfied. |
| TSE-1 | | | | | | | Condition completely satisfied. |
| TSE-2 | | | | | | | Condition completely satisfied. |
| TSE-3 | | | | | | | Condition completely satisfied. |
| TSE-4 | | | | | | | Condition completely satisfied. |
| TSE-5 | | | | | | | Condition completely satisfied. |
| TSE-6 | | | | | | | Condition completely satisfied. |
| TSE-7 | | | | | | | Condition completely satisfied. |
| TSE-8 | | | | | | | Condition completely satisfied. |
| TLSN-1 | | | | | | | Condition completely satisfied. |
| AQ-C1 | | | | | | | Condition completely satisfied. |
| AQ-C2 | | | | | | | Condition completely satisfied. |
| AQ-C3 | | | | | | | Condition completely satisfied. |
| AQ-C4 | | | | | | | Condition completely satisfied. |
| AQ-C5 | Air Quality | Cooling Tower Circulating Water Chromium | No chromium containing compounds shall be added to cooling tower circulating water. | The Project Owner shall make the site and records available for inspection by representatives of the District, ARB, U.S. EPA and Energy Commission upon request. | N/A | Ongoing | The site and records remain available for inspection by representatives of the District, ARB, U.S. EPA and Energy Commission upon request. |
| AQ-C6 | Air Quality | Cooling Tower Blowdown Water TDS Level | The Project Owner shall determine the TDS level in the blowdown water by independent laboratory testing prior to initial operation and periodically thereafter. | The Project Owner shall submit for approval to the CPM a protocol for initial and weekly testing and the identification of the independent laboratory to be used 90 days prior to cooling tower operation. The Project Owner shall submit weekly TDS reports for the blowdown water as part of the quarterly emission report to the CPM for approval. | Test weekly; Report 30 days after quarter end | Ongoing | MGS shall submit weekly TDS reports for the blowdown water as part of the quarterly emission report to the CPM for approval. |
| AQ-C7 | Air Quality | Cooling Tower PM10 Emissions | PM10 emissions from the cooling tower (in total) shall not exceed 6.2 lb/day. Compliance with the PM10 daily emission limit shall be demonstrated using the provided equation. | The Project Owner shall calculate the daily PM10 emissions from the cooling tower and submit all calculations and results on a quarterly basis in the quarterly emission reports to the CPM for approval. | 30 days after quarter end | Ongoing | MGS shall calculate the daily PM10 emissions from the cooling tower and submit all calculations and results on a quarterly basis in the quarterly emission reports to the CPM for approval. |

| Condition # | Technical Area | Subject | Condition Description | Means of Verification | Submittal Timing | Compliance Status | Methods & Comments |
|---|---|---|---|---|---|---|---|
| AQ-C8 | Air Quality | Firewater Pump Testing | The project owner shall refrain from testing the firewater pump during the same hour as either gas fired combustion turbine is in start up or shut down as defined by Condition of Certification AQ-C9. | The Project Owner shall submit to the CPM for approval all testing times and results of the diesel fired emergency firewater pump in the quarterly emissions report. | 30 days after quarter end | Ongoing | MGS shall submit to the CPM for approval all testing times and results of the diesel fired emergency firewater pump in the quarterly emissions report. |
| AQ-C9 | Air Quality | Startup/ Shutdown Definitions | The Project Owner shall use the following definitions to determine compliance with startup, shutdown and any related emission or operational limitations.<br><br>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.<br><br>Shutdown is defined as beginning during normal operation with the intent to shutdown and ends with the secession of fuel being delivered to the combustors of the combustion turbine. | See Verification for Condition of Certification **AQ-6**. | 30 days after quarter end | Ongoing | MGS shall submit to the CPM for approval, a record of all startups and shutdowns including duration and date of occurrence on a quarterly basis as part of the quarterly emission report. |
| AQ-C10 | Air Quality | DELETED | | | | | This condition was removed in June 2019. |
| AQ-C11 | Air Quality | Quarterly Emissions Report | The Project Owner shall submit a quarterly emissions report on a quarterly basis to the CPM for approval. The quarterly emissions report shall generally report all ammonia, NOx, SOx, CO, PM10 and VOC emissions from the Malburg Generation Station as necessary to demonstrate compliance with all emission limits. The fourth quarter emission report shall include an annual summary of all emissions of ammonia, NOx, SOx, CO, PM10 and VOC. | The Project Owner shall submit to the CPM the quarterly emissions report no less than 30 days after the end of each calendar quarter. | 30 days after quarter end | Ongoing | MGS shall submit to the CPM the quarterly emissions report no less than 30 days after the end of each calendar quarter. |
| AQ-C12 | | | | | | | Condition completely satisfied. |
| AQ-C13 | Air Quality | Air Permit Modification | The Project Owner shall submit to the CPM for review and approval any modification proposed by either the City or issuing agency to any project air permit. | The Project Owner shall submit any proposed air permit modification to the CPM within five working days of its submittal either by the Project Owner to an agency, or receipt of proposed modifications from an agency. The Project Owner shall submit all modified air permits to the CPM within 15 days of receipt. | Within 5 working days of submittal or receipt for proposed modifications; Within 15 days of receipt for modified permits | Ongoing | MGS shall submit any proposed air permit modification to the CPM within five working days of its submittal either by MGS to an agency, or receipt of proposed modifications from an agency. MGS shall submit all modified air permits to the CPM within 15 days of receipt. |
| AQ-C14 | | | | | | | Condition completely satisfied. |
| AQ-1 | Air Quality | Emissions Discharge | Except for open abrasive blasting operations, the Project Owner shall not discharge into the atmosphere from any single source of emissions whatsoever any contaminant for a period or periods aggregating more than three minutes in any one hour which is:<br>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<br>b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition. | The project owner shall make the site and records available for inspection by representatives of the District, ARB, U.S. EPA, and Energy Commission upon request. | N/A | Ongoing | The site and records remain available for inspection by representatives of the District, ARB, U.S. EPA and Energy Commission upon request. |

**Malburg Generating Station**
CEC Conditions of Certification Compliance Matrix
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| Condition # | Technical Area | Subject | Condition Description | Means of Verification | Submittal Timing | Compliance Status | Methods & Comments |
|---|---|---|---|---|---|---|---|
| AQ-2 | Air Quality | Diesel Oil Sulfur Content | The Project Owner shall not use diesel oil containing sulfur compounds in excess of 15 parts per million (ppm) by weight as supplied by the supplier. The operator shall not use diesel fuel containing sulfur compounds in excess of 0.05 percent by weight. | The Project Owner shall submit fuel purchase records for approval to the CPM on a quarterly basis in the quarterly emissions report. | 30 days after quarter end | Ongoing | MGS shall submit fuel purchase records for approval to the CPM on a quarterly basis in the quarterly emissions report. |
| AQ-3 | Air Quality | Fuel Purchase Records & Sulfur Content | The Project Owner shall keep records, in a manner approved by the District, for the following parameter(s) or item(s): Purchase records of fuel oil and sulfur content of the fuel. | The Project Owner shall submit fuel purchase records for approval to the CPM on a quarterly basis in the quarterly emissions report. | 30 days after quarter end | Ongoing | MGS shall submit fuel purchase records for approval to the CPM on a quarterly basis in the quarterly emissions report. |
| AQ-4 | Air Quality | DELETED | | | | | This condition was removed in June 2019. |
| AQ-5 | Air Quality | Steam Generator Emissions | The Project Owner shall limit the emissions from both gas fired combustion turbine-heat recovery steam generator train exhaust stacks as follows:<br><br>- CO: 7,633 lbs in any one month<br>- PM10: 4,876 lbs in any one month<br>- PM2.5: 4,876 lbs in any one month<br>- VOC: 3,236 lbs in any one month<br>- SOx: 227 lbs in any one month.<br><br>For the purpose of this condition, the limit(s) shall be based on the total combined emissions from equipment D27, D36 (both gas turbines) and D31, D39 (both duct burners). Emission calculations shall be done as specified in COC AQ-5. | The Project Owner shall submit all emission calculations, fuel use, CEM records and a summary demonstrating compliance of all emission limits stated in this Condition for approval to the CPM on a quarterly basis in the quarterly emissions report. | 30 days after quarter end | Ongoing | MGS shall submit all emission calculations, fuel use, and a summary demonstrating compliance of all emission limits stated in this Condition for approval to the CPM on a quarterly basis in the quarterly emissions report. CEM records shall be retained onsite and provided upon request. |
| AQ-6 | Air Quality | Startup/ Shutdown Limits | The 2.0 ppm NOx, CO, and VOC emission limits shall not apply during turbine commissioning, start-ups, and shutdowns.<br><br>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.<br><br>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.<br><br>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.<br><br>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.<br><br>Written records of commissioning, start-ups and shutdowns shall be kept and made available to 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 emission report. | 30 days after quarter end | Ongoing | MGS shall submit to the CPM for approval, a record of all startups and shutdowns including duration and date of occurrence on a quarterly basis as part of the quarterly emission report. |
| AQ-7 | Air Quality | DELETED | | | | | This condition was removed in June 2019. |
| AQ-8 | Air Quality | DELETED | | | | | This condition was removed in June 2019. |

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CEC Conditions of Certification Compliance Matrix
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| Condition # | Technical Area | Subject | Condition Description | Means of Verification | Submittal Timing | Compliance Status | Methods & Comments |
|---|---|---|---|---|---|---|---|
| AQ-9 | Air Quality | NOx Emission Limits | The 2.0 ppmv NOx emissions limit(s) are averaged over 1 hour at 15 percent oxygen, dry basis. | The Project Owner shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report. | 30 days after quarter end | Ongoing | MGS shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report. |
| AQ-10 | Air Quality | CO Emission Limits | The 2.0 ppmv CO emission limit(s) are averaged over 1 hour at 15 percent oxygen, dry basis. | The Project Owner shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report. | 30 days after quarter end | Ongoing | MGS shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report. |
| AQ-11 | Air Quality | VOC Emission Limits | The 2.0 ppmv VOC emission limit(s) are averaged over 1 hour at 15 percent oxygen, dry basis. | The Project Owner shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report. | 30 days after quarter end | Ongoing | MGS shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report. |
| AQ-12 | Air Quality | NH3 Emission Limits | The 5 ppm NH3 emission limit(s) are averaged over 1 hour at 15 percent oxygen, dry basis. The Project Owner shall calculate and continuously record the ammonia slip concentration using the provided formula.<br><br>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 calibrated at least once every 12 months.<br><br>The calculated NH3 value may not be used for compliance determination without corroborative data using an approved reference method for determination of ammonia. | The Project Owner shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report. | 30 days after quarter end | Ongoing | MGS shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report. |
| AQ-13 | Air Quality | Compliance with District Rule 475 | For the purpose of determining compliance with District Rule 475, combustion contaminant emissions may exceed the concentration limit or the mass emission limit listed, but not both emission limits at the same time. | The Project Owner shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report. | 30 days after quarter end | Ongoing | MGS shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report. |
| AQ-14 | Air Quality | Diesel Fuel Sulfur Content | The Project Owner shall only use diesel fuel containing the following specified compounds: Sulfur less than or equal to 15 ppm by weight. | The Project Owner shall submit fuel purchase records for approval to the CPM on a quarterly basis in the quarterly emissions report. | 30 days after quarter end | Ongoing | MGS shall submit fuel purchase records for approval to the CPM on a quarterly basis in the quarterly emissions report. |
| AQ-15 | Air Quality | Diesel Firewater Pump Operating Time | The Project Owner shall limit the operating time of the diesel fueled firewater pump to no more than 200 hours each in any one year.<br><br>Operations for maintenance and testing as defined in Rule 1470 shall not exceed 50 hours in any one calendar year. The total annual operating time includes all operations including maintenance and testing. | See Verification for Condition of Certification **AQ-C8**. | 30 days after quarter end | Ongoing | MGS shall submit to the CPM for approval all testing times and results of the diesel fired emergency firewater pump in the quarterly emissions report. |

**Malburg Generating Station**
CEC Conditions of Certification Compliance Matrix
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| Condition # | Technical Area | Subject | Condition Description | Means of Verification | Submittal Timing | Compliance Status | Methods & Comments |
|---|---|---|---|---|---|---|---|
| AQ-16 | Air Quality | Ammonia Tank Pressure Relief Valve | The Project Owner shall install and maintain a pressure relief valve set at 25 psig in the ammonia storage tank. | The Project Owner shall make the ammonia storage tank available for inspection by the District, ARB, U.S. EPA and Energy Commission. | N/A | Ongoing | The ammonia storage tank remains accessible for inspection to the District, ARB, U.S. EPA and Energy Commission. |
| AQ-17 | Air Quality | Diesel Firewater Pump Hour Meter | The Project Owner shall install and maintain a(n) non-resettable elapsed time meter for the firewater pump to accurately indicate the elapsed operating time of the engine. | The Project Owner shall make the firewater pump available for inspection by the District, ARB, U.S. EPA and Energy Commission. | N/A | Ongoing | The firewater pump remains accessible for inspection to the District, ARB, U.S. EPA and Energy Commission. |
| AQ-18 | Air Quality | Gas Turbine Totalizing Fuel Meter | The Project Owner shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage of the turbines. | The project owner shall make the site and records available for inspection by representatives of the District, ARB, U.S. EPA, and Energy Commission upon request. | N/A | Ongoing | The site and records remain accessible for inspection by the District, ARB, U.S. EPA and Energy Commission upon request. |
| AQ-19 | Air Quality | Injected Ammonia Meter and Limits | The Project Owner shall install and maintain a(n) flow meter to accurately indicate the flow rate of the total hourly throughput of injected ammonia (NH3).<br><br>The Project Owner shall also install and maintain a device to continuously record the parameter being measured.<br><br>The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months.<br><br>The project owner shall maintain the ammonia injection rate between 5 lb/hr and 175 lb/hr. | The Project Owner shall submit to CPM for approval the design drawing that clearly shows the flow meter and recording device for the ammonia injection grid no less than 90 days prior to installation of the ammonia injection grid. The Project Owner shall submit to the CPM for approval the annual calibration report for the flow meter and recording device as part of the ACR. | Annually with the ACR | Ongoing | MGS shall submit to the CPM for approval the annual calibration report for the flow meter and recording device as part of the ACR. |
| AQ-20 | Air Quality | SCR Exhaust Temperature | The Project Owner shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the exhaust at the inlet to the SCR reactor.<br><br>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.<br><br>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 CPM for approval the design drawing that clearly shows the temperature gauge and recording device for the inlet to the SCR reactor no less than 90 days prior to installation of the SCR. The Project Owner shall submit to the CPM for approval the annual calibration report for the temperature gauge and recording device as part of the ACR. | Annually with the ACR | Ongoing | MGS shall submit to the CPM for approval the annual calibration report for the temperature gauge and recording device as part of the ACR. |

| Condition # | Technical Area | Subject | Condition Description | Means of Verification | Submittal Timing | Compliance Status | Methods & Comments |
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| AQ-21 | Air Quality | Differential Pressure Across SCR Catalyst Bed | The Project Owner shall install and maintain a(n) pressure gauge to accurately indicate the differential pressure across the SCR catalyst bed in inches of water column.<br><br>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.<br><br>The pressure drop across the catalyst shall be between 0.15 and 2.0 inches water column. | The Project Owner shall submit to CPM for approval the design drawing that clearly shows the pressure gauge and recording device across the SCR reactor no less than 90 days prior to installation of the SCR. The Project Owner shall submit to the CPM for approval the annual calibration report for the pressure gauge and recording device as part of the ACR. | Annually with the ACR | Ongoing | MGS shall submit to the CPM for approval the annual calibration report for the pressure gauge and recording device as part of the ACR. |
| AQ-22 | Air Quality | DELETED | | | | | This condition was removed in June 2019. |
| AQ-23 | Air Quality | Source Testing | The Project Owner shall conduct source test(s) for the pollutant(s) identified below according to the requirements listed in COC AQ-23:<br><br>- VOC Emissions<br>- SOX Emissions<br>- PM10 Emissions<br><br>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.<br><br>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 CPM for approval the results of the source test no later than 60 days following the date of the source test. | Every Three Years; Protocol 45 days prior to source test; Notification 10 days prior to source test; Report 60 days after source test | Ongoing | MGS shall submit for approval to the District and the CPM the required source testing protocol no less than 45 days prior to the date of the source test. MGS shall notify the District and CPM of the date and time of the source test no less than 10 days prior to the test. MGS shall submit to the District and CPM for approval the results of the source test no later than 60 days following the date of the source test. |
| AQ-24 | Air Quality | Source Testing | The Project Owner shall conduct source test(s) for the pollutant(s) identified below according to the requirements listed in COC AQ-24:<br><br>- NH3 Emissions<br><br>Source testing shall be conducted within 180 days after initial startup of the Siemens A-Plus Turbine Upgrade project and at least annually thereafter.<br><br>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 CPM for approval the results of the source test no later than 60 days following the date of the source test. | Annually; Protocol 45 days prior to source test; Notification 10 days prior to source test; Report 60 days after source test | Ongoing | MGS shall submit for approval to the District and the CPM the required source testing protocol no less than 45 days prior to the date of the source test. MGS shall notify the District and CPM of the date and time of the source test no less than 10 days prior to the test. MGS shall submit to the District and CPM for approval the results of the source test no later than 60 days following the date of the source test. |

| Condition # | Technical Area | Subject | Condition Description | Means of Verification | Submittal Timing | Compliance Status | Methods & Comments |
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| AQ-25 | Air Quality | CEMS | The Project Owner shall install and maintain a CEMS to measure CO concentration in ppmv.<br><br>Concentrations shall be corrected to 15 percent oxygen on a dry basis.<br><br>The CEMS will convert the actual CO concentrations to mass emission rates (lbs/hr) and record the hourly emission rates on a continuous basis.<br><br>The CEMS shall be installed and operated to measure CO concentration over a 15 minute averaging time period. | The Project Owner shall make the site and records available for inspection by the District, ARB, U.S. EPA and Energy Commission upon request. | N/A | Ongoing | The site and records remain accessible for inspection by the District, ARB, U.S. EPA and Energy Commission upon request. |
| AQ-26 | Air Quality | CEMS | The Project Owner shall install and maintain a CEMS to measure NOx concentration in ppmv.<br><br>Concentration shall be corrected to 15 percent oxygen on a dry basis. | The Project Owner shall make the site and records available for inspection by the District, ARB, U.S. EPA and Energy Commission upon request. | N/A | Ongoing | The site and records remain accessible for inspection by the District, ARB, U.S. EPA and Energy Commission upon request. |
| AQ-27 | Air Quality | Fuel Usage | The Project Owner shall limit the fuel usage of each turbine-duct burner pair to no more than 405 million cubic feet in any one calendar month.<br><br>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.<br><br>The purpose(s) of this condition is to ensure compliance with the condition AQ-5 monthly emission limits. | The Project Owner shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report. | 30 days after quarter end | Ongoing | MGS shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report. |
| AQ-28 | Air Quality | SCR Control System | The Project Owner shall vent combustion turbines and HRSGs to the CO oxidation/SCR control system whenever the turbines are in operation. | The Project Owner shall make the site and records available for inspection by the District, ARB, U.S. EPA and Energy Commission upon request. | N/A | Ongoing | The site and records remain accessible for inspection by the District, ARB, U.S. EPA and Energy Commission upon request. |
| AQ-29 | Air Quality | Ammonia Delivery | The Project Owner shall vent ammonia storage tank, during filling, only to the vessel from which it is being filled. | The Project Owner shall make the site and records available for inspection by the District, ARB, U.S. EPA and Energy Commission upon request. | N/A | Ongoing | The site and records remain accessible for inspection by the District, ARB, U.S. EPA and Energy Commission upon request. |
| AQ-30 | Air Quality | Definition of Continuously Record | For the purpose of the following condition number(s), "continuously record" shall be defined as recording at least once every hour and shall be calculated upon the average of the continuous monitoring for that hour.<br><br>Condition of Certification **AQ-18**<br>Condition of Certification **AQ-19** | The Project Owner shall make the site and records available for inspection by the District, ARB, U.S. EPA and Energy Commission upon request. | N/A | Ongoing | The site and records remain accessible for inspection by the District, ARB, U.S. EPA and Energy Commission upon request. |
| AQ-31 | Air Quality | Definition of Continuously Record | For the purpose of the following condition number(s), "continuously record" shall be defined as recording at least once every hour and shall be calculated based upon the average of the continuous monitoring for that month.<br><br>Condition of Certification **AQ-20** | The Project Owner shall make the site and records available for inspection by the District, ARB, U.S. EPA and Energy Commission upon request. | N/A | Ongoing | The site and records remain accessible for inspection by the District, ARB, U.S. EPA and Energy Commission upon request. |

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

| Condition # | Technical Area | Subject | Condition Description | Means of Verification | Submittal Timing | Compliance Status | Methods & Comments |
|---|---|---|---|---|---|---|---|
| AQ-34 | Air Quality | Recordkeeping | The Project Owner shall keep records, in a manner approved by the District, for the following parameters or items:<br><br>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.<br><br>For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings. | The Project Owner shall make the site and records available for inspection by the District, ARB, U.S. EPA and Energy Commission upon request. | N/A | Ongoing | The site and records remain accessible for inspection by the District, ARB, U.S. EPA and Energy Commission upon request. |
| AQ-35 | Air Quality | Recordkeeping | The Project Owner shall keep records, in a manner approved by the District, to demonstrate compliance with the following condition number(s):<br><br>Condition of Certification **AQ-15**<br>Condition of Certification **AQ-17**<br><br>The project owner shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):<br><br>Date of operation, the elapsed time, in hours, and the reason for operation of the diesel firewater pump<br><br>Maintenance and testing hours of operation<br><br>Hours of operation for emission testing to show rule compliance<br><br>Other operating hours | The Project Owner shall submit these records to the CPM on an annual basis in the ACR. The project owner shall make the site and records available for inspection by representatives of the District, ARB, U.S. EPA, and Energy Commission upon request. | Annually with the ACR | Ongoing | MGS shall keep records of dates of operation, the elapsed time, in hours, and the reason for operation of the diesel firewater pump, maintenance and testing hours of operation, hours of operation for emission testing to show rule compliance, and other operating hours. MGS shall submit these records to the CPM on an annual basis in the ACR.<br><br>The site and records remain accessible for inspection by the District, ARB, U.S. EPA and Energy Commission upon request. |
| AQ-36 | Air Quality | Recordkeeping | The project owner shall keep records, in a manner approved by the District, for the following parameters or items: Operational status of the duct burner and its fuel usage. | See verification of Condition of Certification **AQ-6**. | 30 days after quarter end | Ongoing | Records are available upon request and provided quarterly as part of the response to COC AQ-5 and AQ-6. |

| Condition # | Technical Area | Subject | Condition Description | Means of Verification | Submittal Timing | Compliance Status | Methods & Comments |
|---|---|---|---|---|---|---|---|
| AQ-37 | Air Quality | Recordkeeping | The project owner shall operate and maintain the diesel firewater pump according to the following requirements:<br><br>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.<br><br>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).<br><br>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).<br><br>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).<br><br>The project owner shall maintain records required by Sect. 63.6655(a), Sect. 63.6655(e), and Sect. 63.6660, as applicable, for five years. The records shall be made available to District personnel upon request. | The project owner shall make these records available to the CPM upon request. | N/A | Ongoing | MGS operates and maintains the diesel firewater pump according to the requirements and records are available upon on request. |
| AQ-38 | Air Quality | Recordkeeping | The operator shall operate and maintain the gas turbines and duct burners according to the following requirements:<br><br>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.<br><br>One turbine may be commissioned at a time. The commissioning for both turbines shall be completed before normal operation for either turbine may commence.<br><br>The emergency internal combustion engine for fire pump shall not be tested during the commissioning of a turbine.<br><br>The certified NOx and CO CEMS shall be fully calibrated and operational.<br><br>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.<br><br>The operator shall maintain records to demonstrate compliance with this condition and shall make such records available to the Executive Officer upon request. The records shall be maintained for a minimum of 5 years in a manner approved by SCAQMD. The records shall include, but not be limited to, the total number of commissioning hours, number of commissioning hours without control, and natural gas fuel usage. | The project owner shall make these records available to the CPM upon request. | N/A | Ongoing (Until 5 Year Record Retention Period Complete) | MGS operated and maintained the gas turbines and duct burners according to the requirements during commissioning and records are available upon on request. |

**Malburg Generating Station**
CEC Conditions of Certification Compliance Matrix
*Last Revised: January 18, 2023*

| Condition # | Technical Area | Subject | Condition Description | Means of Verification | Submittal Timing | Compliance Status | Methods & Comments |
|---|---|---|---|---|---|---|---|
| AQ-39 | Air Quality | Recordkeeping | This equipment is subject to the applicable requirements of the following Rules or Regulations:<br>NOX Subpart KKKK, SO2 Subpart KKKK | The project owner shall make these records available to the CPM upon request. | N/A | Ongoing | Records are available upon request. |
| AQ-40 | Air Quality | Recordkeeping | This equipment is subject to the applicable requirements of the following Rules or Regulations:<br>NOX 40 CFR 75, SO2 40 CFR 75 | The project owner shall make these records available to the CPM upon request. | N/A | Ongoing | Records are available upon request. |
| Public Health-1 | | | | | | | Condition completely satisfied. |
| Worker Safety-1 | | | | | | | Condition completely satisfied. |
| Worker Safety-2 | | | | | | | Condition completely satisfied. |
| HAZ-1 | Hazardous Materials Management | Use of Hazardous Materials | The project owner shall not use any hazardous materials not listed in Appendix C, or in greater quantities than those identified by chemical name in Appendix C, unless approved in advance by City of Vernon and the CPM. | The project owner shall provide to the CPM, in the ACR, a list of hazardous materials contained at the facility in reportable quantities. | Annually with the ACR | Ongoing | MGS shall provide to the CPM, in the ACR, a list of hazardous materials contained at the facility in reportable quantities. This list shall be provided as a copy of the most recent Hazardous Materials Inventory submitted to the CUPA. |
| HAZ-2 | | | | | | | Condition completely satisfied. |
| HAZ-3 | | | | | | | Condition completely satisfied. |
| HAZ-4 | | | | | | | Condition completely satisfied. |
| HAZ-5 | | | | | | | Condition completely satisfied. |
| HAZ-6 | Hazardous Materials Management | Gas Pipeline Design Review | The project owner shall require that the gas pipeline undergo a complete design review and detailed inspection 30 days after initial startup and every 5 years thereafter. | At least 30 days prior to the initial flow of gas in the pipeline, the project owner shall provide an outline of the plan to accomplish a full and comprehensive pipeline design review to the CPM for review and approval. The full and complete plan shall be amended, as appropriate, and submitted to the CPM for review and approval, not later than one year before the plan is implemented by the project owner. | Every five years (Update as needed) | Ongoing | The initial requirement of the Condition was completed during construction. Design reviews and pipeline inspections are completed every 5 years. An outline of the plan to accomplish a full and comprehensive pipeline design review and confirmation of completion of each review and inspection are submitted to the CPM every five years. |
| HAZ-7 | Hazardous Materials Management | Gas Pipeline Seismic Event Inspections | After any significant seismic event in the area where surface rupture occurs within one mile of the pipeline, the gas pipeline shall be inspected by the project owner. | At least 30 days prior to the initial flow of gas in the pipeline, the project owner shall provide a detailed plan to accomplish a full and comprehensive pipeline inspection in the event of an earthquake to the CPM for review and approval. This plan shall be reviewed and amended, as appropriate, and submitted to the CPM for review and approval, at least every five years. | Every five years (Update as needed) | Ongoing | The initial requirement of the Condition was completed during construction. The gas pipeline is inspected after any significant seismic event in the area where surface rupture occurs within one mile of the pipeline. The plan to accomplish a full and comprehensive pipeline inspection in the event of an earthquake is reviewed, amended as appropriate, and submitted to the CPM at least every five years. |
| HAZ-8 | | | | | | | Condition completely satisfied. |
| WASTE-1 | | | | | | | Condition completely satisfied. |
| WASTE-2 | | | | | | | Condition completely satisfied. |

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

**Malburg Generating Station**
CEC Conditions of Certification Compliance Matrix
*Last Revised: January 18, 2023*

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

**Malburg Generating Station**
CEC Conditions of Certification Compliance Matrix
*Last Revised: January 18, 2023*

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

**Malburg Generating Station**
CEC Conditions of Certification Compliance Matrix
*Last Revised: January 18, 2023*

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

# Appendix B
# 2022 Calibration Reports

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

**May 19, 2022**

# CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

## Contact Information

| | | | |
|---|---|---|---|
| **Purchase Order:** | LP-0726 | **Service Request:** | 2018286 |
| **Customer Name:** | Malburg Generating Station | **Quote#:** | BA8047-IVS |
| **Location/Project:** | Vernon, CA 90058 | **Sales Representative:** | Richard Tse |
| **Address 1:** | 4963 Soto St. | **Phone:** | 661-345-3675 |
| **Address 2:** | | **Email:** | richard.tse@emerson.com |
| **Customer Contact:** | Ian Everts | **Service Representative:** | Keith Anderson |
| **Phone:** | 323-350-3481 | **Phone:** | 925-596-9769 |
| **Email:** | ieverts@cityofvernon.org | **Email:** | keith.anderson@emerson.com |

## Device Information

| | | | |
|---|---|---|---|
| **Device Type: Temperature Transmitter** | | **Serial Number:** | **0** |
| **Device Tag: 11HBK70CT30** | | **Range:** | **0 To 800 F** |
| **Model:** | | | |

## Test Equipment Used

| Asset # | Description | Calibration Due |
|---|---|---|
| ES-01486 | FLUKE 754 | 8-Oct-22 |
| PS-00965 | Fluke 0-30 Pressure Module | 8-Oct-22 |
| PS-01355 | Fluke +/-15-100 Pressure Module | 8-Oct-22 |
| PS-00899 | Fluke 0-300 Presure Module | 8-Oct-22 |

### As Found Calibration Data

| Specified Range Deg F | Applied % Of Span | Applied Deg F | Specified Output In mA | Output Tolerance +/- mA | | Measured Analog Output In mA | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | 4.0000 | 0.080 | 0.00 | 3.9900 | Pass |
| 200.00 | 25.00 | 200.00 | 8.0000 | 0.080 | 200.00 | 7.9900 | Pass |
| 400.00 | 50.00 | 400.00 | 12.0000 | 0.080 | 400.00 | 11.9900 | Pass |
| 600.00 | 75.00 | 600.00 | 16.0000 | 0.080 | 600.00 | 15.9900 | Pass |
| 800.00 | 100.00 | 800.00 | 20.0000 | 0.080 | 800.00 | 19.9900 | Pass |

### As Left Calibration Data

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | 4.0000 | 0.080 | 0.00 | 3.9900 | Pass |
| 200.00 | 25.00 | 200.00 | 8.0000 | 0.080 | 200.00 | 7.9900 | Pass |
| 400.00 | 50.00 | 400.00 | 12.0000 | 0.080 | 400.00 | 11.9900 | Pass |
| 600.00 | 75.00 | 600.00 | 16.0000 | 0.080 | 600.00 | 15.9900 | Pass |
| 800.00 | 100.00 | 800.00 | 20.0000 | 0.080 | 800.00 | 19.9900 | 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.

*Keith Anderson*

Keith Anderson
Rosemount Service Representative
PH: 925-596-9769

May 19, 2022
Date

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

**May 19, 2022**

# CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

## Contact Information

| | | | |
|---|---|---|---|
| **Purchase Order:** | LP-0726 | **Service Request:** | 2018286 |
| **Customer Name:** | Malburg Generating Station | **Quote#:** | BA8047-IVS |
| **Location/Project:** | Vernon, CA 90058 | **Sales Representative:** | Richard Tse |
| **Address 1:** | 4963 Soto St. | **Phone:** | 661-345-3675 |
| **Address 2:** | | **Email:** | richard.tse@emerson.com |
| **Customer Contact:** | Ian Everts | **Service Representative:** | Keith Anderson |
| **Phone:** | 323-350-3481 | **Phone:** | 925-596-9769 |
| **Email:** | ieverts@cityofvernon.org | **Email:** | keith.anderson@emerson.com |

## Device Information

| | | | |
|---|---|---|---|
| **Device Type: Temperature Transmitter** | | **Serial Number:** | **0** |
| **Device Tag: 21HBK70CT30** | | **Range:** | **0 To 800 F** |
| **Model:** | | | |

## Test Equipment Used

| Asset # | Description | Calibration Due |
|---|---|---|
| ES-01486 | FLUKE 754 | 8-Oct-22 |
| PS-00965 | Fluke 0-30 Pressure Module | 8-Oct-22 |
| PS-01355 | Fluke +/-15-100 Pressure Module | 8-Oct-22 |
| PS-00899 | Fluke 0-300 Presure Module | 8-Oct-22 |

## As Found Calibration Data

| Specified Range Deg F | Applied % Of Span | Applied Deg F | Specified Output In mA | Output Tolerance +/- mA | | Measured Analog Output In mA | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | 4.0000 | 0.080 | 0.00 | 3.9900 | Pass |
| 200.00 | 25.00 | 200.00 | 8.0000 | 0.080 | 200.00 | 7.9900 | Pass |
| 400.00 | 50.00 | 400.00 | 12.0000 | 0.080 | 400.00 | 11.9900 | Pass |
| 600.00 | 75.00 | 600.00 | 16.0000 | 0.080 | 600.00 | 15.9900 | Pass |
| 800.00 | 100.00 | 800.00 | 20.0000 | 0.080 | 800.00 | 19.9800 | Pass |

## As Left Calibration Data

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | 4.0000 | 0.080 | 0.00 | 3.9900 | Pass |
| 200.00 | 25.00 | 200.00 | 8.0000 | 0.080 | 200.00 | 7.9900 | Pass |
| 400.00 | 50.00 | 400.00 | 12.0000 | 0.080 | 400.00 | 11.9900 | Pass |
| 600.00 | 75.00 | 600.00 | 16.0000 | 0.080 | 600.00 | 15.9900 | Pass |
| 800.00 | 100.00 | 800.00 | 20.0000 | 0.080 | 800.00 | 19.9800 | 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.

*Keith Anderson*

Keith Anderson
Rosemount Service Representative
PH: 925-596-9769

May 19, 2022
Date

**Rosemount Service**
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F: 952-906-8844

**May 19, 2022**

# CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

## Contact Information

| | | | |
|---|---|---|---|
| **Purchase Order:** | LP-0726 | **Service Request:** | 2018286 |
| **Customer Name:** | Malburg Generating Station | **Quote#:** | BA8047-IVS |
| **Location/Project:** | Vernon, CA 90058 | **Sales Representative:** | Richard Tse |
| **Address 1:** | 4963 Soto St. | **Phone:** | 661-345-3675 |
| **Address 2:** | | **Email:** | richard.tse@emerson.com |
| **Customer Contact:** | Ian Everts | **Service Representative:** | Keith Anderson |
| **Phone:** | 323-350-3481 | **Phone:** | 925-596-9769 |
| **Email:** | ieverts@cityofvernon.org | **Email:** | keith.anderson@emerson.com |

## Device Information

| | | | |
|---|---|---|---|
| **Device Type: Temperature Transmitter** | | **Serial Number:** | **0** |
| **Device Tag: 11HBK70CT31** | | **Range:** | **0 To 800 F** |
| **Model:** | | | |

## Test Equipment Used

| Asset # | Description | Calibration Due |
|---|---|---|
| ES-01486 | FLUKE 754 | 8-Oct-22 |
| PS-00965 | Fluke 0-30 Pressure Module | 8-Oct-22 |
| PS-01355 | Fluke +/-15-100 Pressure Module | 8-Oct-22 |
| PS-00899 | Fluke 0-300 Presure Module | 8-Oct-22 |

## As Found Calibration Data

| Specified Range Deg F | Applied % Of Span | Applied Deg F | Specified Output In mA | Output Tolerance +/- mA | | Measured Analog Output In mA | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | 4.0000 | 0.080 | 0.00 | 3.9900 | Pass |
| 200.00 | 25.00 | 200.00 | 8.0000 | 0.080 | 200.00 | 7.9900 | Pass |
| 400.00 | 50.00 | 400.00 | 12.0000 | 0.080 | 400.00 | 11.9900 | Pass |
| 600.00 | 75.00 | 600.00 | 16.0000 | 0.080 | 600.00 | 16.0000 | Pass |
| 800.00 | 100.00 | 800.00 | 20.0000 | 0.080 | 800.00 | 20.0000 | Pass |

## As Left Calibration Data

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | 4.0000 | 0.080 | 0.00 | 3.9900 | Pass |
| 200.00 | 25.00 | 200.00 | 8.0000 | 0.080 | 200.00 | 7.9900 | Pass |
| 400.00 | 50.00 | 400.00 | 12.0000 | 0.080 | 400.00 | 11.9900 | Pass |
| 600.00 | 75.00 | 600.00 | 16.0000 | 0.080 | 600.00 | 16.0000 | Pass |
| 800.00 | 100.00 | 800.00 | 20.0000 | 0.080 | 800.00 | 20.0000 | Pass |

## Certification

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*Keith Anderson*

Keith Anderson
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PH: 925-596-9769

May 19, 2022
Date

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F: 952-906-8844

**May 19, 2022**

# CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

## Contact Information

| | | | |
|---|---|---|---|
| **Purchase Order:** | LP-0726 | **Service Request:** | 2018286 |
| **Customer Name:** | Malburg Generating Station | **Quote#:** | BA8047-IVS |
| **Location/Project:** | Vernon, CA 90058 | **Sales Representative:** | Richard Tse |
| **Address 1:** | 4963 Soto St. | **Phone:** | 661-345-3675 |
| **Address 2:** | | **Email:** | richard.tse@emerson.com |
| **Customer Contact:** | Ian Everts | **Service Representative:** | Keith Anderson |
| **Phone:** | 323-350-3481 | **Phone:** | 925-596-9769 |
| **Email:** | ieverts@cityofvernon.org | **Email:** | keith.anderson@emerson.com |

## Device Information

| | | | |
|---|---|---|---|
| **Device Type: Temperature Transmitter** | | **Serial Number:** | **0** |
| **Device Tag: 21HBK70CT31** | | **Range:** | **0 To 800 F** |
| **Model:** | | | |

## Test Equipment Used

| Asset # | Description | Calibration Due |
|---|---|---|
| ES-01486 | FLUKE 754 | 8-Oct-22 |
| PS-00965 | Fluke 0-30 Pressure Module | 8-Oct-22 |
| PS-01355 | Fluke +/-15-100 Pressure Module | 8-Oct-22 |
| PS-00899 | Fluke 0-300 Presure Module | 8-Oct-22 |

## As Found Calibration Data

| Specified Range Deg F | Applied % Of Span | Applied Deg F | Specified Output In mA | Output Tolerance +/- mA | | Measured Analog Output In mA | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | 4.0000 | 0.080 | 0.00 | 4.0000 | Pass |
| 200.00 | 25.00 | 200.00 | 8.0000 | 0.080 | 200.00 | 8.0000 | Pass |
| 400.00 | 50.00 | 400.00 | 12.0000 | 0.080 | 400.00 | 12.0000 | Pass |
| 600.00 | 75.00 | 600.00 | 16.0000 | 0.080 | 600.00 | 16.0000 | Pass |
| 800.00 | 100.00 | 800.00 | 20.0000 | 0.080 | 800.00 | 20.0000 | Pass |

## As Left Calibration Data

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | 4.0000 | 0.080 | 0.00 | 4.0000 | Pass |
| 200.00 | 25.00 | 200.00 | 8.0000 | 0.080 | 200.00 | 8.0000 | Pass |
| 400.00 | 50.00 | 400.00 | 12.0000 | 0.080 | 400.00 | 12.0000 | Pass |
| 600.00 | 75.00 | 600.00 | 16.0000 | 0.080 | 600.00 | 16.0000 | Pass |
| 800.00 | 100.00 | 800.00 | 20.0000 | 0.080 | 800.00 | 20.0000 | Pass |

## Certification

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

*Keith Anderson*

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May 19, 2022
Date

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Process Management

**May 20, 2022**

# CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

## Contact Information

| | | | |
|---|---|---|---|
| **Purchase Order:** | LP-0726 | **Service Request:** | 2018286 |
| **Customer Name:** | Malburg Generating Station | **Quote#:** | BA8047-IVS |
| **Location/Project:** | Vernon, CA 90058 | **Sales Representative:** | Richard Tse |
| **Address 1:** | 4963 Soto St. | **Phone:** | 661-345-3675 |
| **Address 2:** | | **Email:** | richard.tse@emerson.com |
| **Customer Contact:** | Ian Everts | **Service Representative:** | Keith Anderson |
| **Phone:** | 323-350-3481 | **Phone:** | 925-596-9769 |
| **Email:** | ieverts@cityofvernon.org | **Email:** | keith.anderson@emerson.com |

## Device Information

| | | |
|---|---|---|
| **Device Type: Flow Transmitter** | **Serial Number:** | **0** |
| **Device Tag: 11HBK70CP10** | **Range:** | **0 To 2.5 IN H2O** |
| **Model: EJA110A** | | |

## Test Equipment Used

| Asset # | Description | Calibration Due |
|---|---|---|
| ES-01486 | FLUKE 754 | 8-Oct-22 |
| PS-00965 | Fluke 0-30 Pressure Module | 8-Oct-22 |
| PS-01355 | Fluke +/-15-100 Pressure Module | 8-Oct-22 |
| PS-00899 | Fluke 0-300 Presure Module | 8-Oct-22 |

## As Found Calibration Data

| Specified Range IN H2O | Applied % Of Span | Applied IN H2O | Specified Output In mA | Output Tolerance +/- mA | Indicated Digital/Hart Output In IN H2O | Measured Analog Output In mA | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 0.000 | 0.00 | 0.000 | 4.0000 | 0.080 | 0.000 | 4.0100 | Pass |
| 0.625 | 25.00 | 0.625 | 8.0000 | 0.080 | 0.628 | 8.3700 | Fail |
| 1.250 | 50.00 | 1.250 | 12.0000 | 0.080 | 1.251 | 12.4000 | Fail |
| 1.875 | 75.00 | 1.875 | 16.0000 | 0.080 | 1.874 | 16.3100 | Fail |
| 2.500 | 100.00 | 2.500 | 20.0000 | 0.080 | 2.499 | 20.3500 | Fail |

## As Left Calibration Data

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0.000 | 0.00 | 0.000 | 4.0000 | 0.080 | 0.000 | 3.9900 | Pass |
| 0.625 | 25.00 | 0.625 | 8.0000 | 0.080 | 0.623 | 8.3000 | Fail |
| 1.250 | 50.00 | 1.250 | 12.0000 | 0.080 | 1.251 | 12.3000 | Fail |
| 1.875 | 75.00 | 1.875 | 16.0000 | 0.080 | 1.871 | 16.2700 | Fail |
| 2.500 | 100.00 | 2.500 | 20.0000 | 0.080 | 2.502 | 20.4000 | Fail |

## Certification

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*Keith Anderson*

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Process Management

**May 20, 2022**

# CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

## Contact Information

| | | | |
|---|---|---|---|
| **Purchase Order:** | LP-0726 | **Service Request:** | 2018286 |
| **Customer Name:** | Malburg Generating Station | **Quote#:** | BA8047-IVS |
| **Location/Project:** | Vernon, CA 90058 | **Sales Representative:** | Richard Tse |
| **Address 1:** | 4963 Soto St. | **Phone:** | 661-345-3675 |
| **Address 2:** | | **Email:** | richard.tse@emerson.com |
| **Customer Contact:** | Ian Everts | **Service Representative:** | Keith Anderson |
| **Phone:** | 323-350-3481 | **Phone:** | 925-596-9769 |
| **Email:** | ieverts@cityofvernon.org | **Email:** | keith.anderson@emerson.com |

## Device Information

| | | | |
|---|---|---|---|
| **Device Type: Flow Transmitter** | | **Serial Number:** | **128914204** |
| **Device Tag: 21HBK70CP10** | | **Range:** | **0 To 2.5 IN H2O** |
| **Model: EJA110A** | | | |

## Test Equipment Used

| Asset # | Description | Calibration Due |
|---|---|---|
| ES-01486 | FLUKE 754 | 8-Oct-22 |
| PS-00965 | Fluke 0-30 Pressure Module | 8-Oct-22 |
| PS-01355 | Fluke +/-15-100 Pressure Module | 8-Oct-22 |
| PS-00899 | Fluke 0-300 Presure Module | 8-Oct-22 |

## As Found Calibration Data

| Specified Range IN H2O | Applied % Of Span | Applied IN H2O | Specified Output In mA | Output Tolerance +/- mA | Indicated Digital/Hart Output In IN H2O | Measured Analog Output In mA | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 0.000 | 0.00 | 0.000 | 4.0000 | 0.080 | 0.000 | 4.0600 | Pass |
| 0.625 | 25.00 | 0.625 | 8.0000 | 0.080 | 0.626 | 8.5900 | Fail |
| 1.250 | 50.00 | 1.250 | 12.0000 | 0.080 | 1.251 | 12.6000 | Fail |
| 1.875 | 75.00 | 1.875 | 16.0000 | 0.080 | 1.877 | 16.6000 | Fail |
| 2.500 | 100.00 | 2.500 | 20.0000 | 0.080 | 2.499 | 20.6500 | Fail |

## As Left Calibration Data

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0.000 | 0.00 | 0.000 | 4.0000 | 0.080 | 0.000 | 4.0000 | Pass |
| 0.625 | 25.00 | 0.625 | 8.0000 | 0.080 | 2.500 | 8.0200 | Pass |
| 1.250 | 50.00 | 1.250 | 12.0000 | 0.080 | 5.000 | 11.9900 | Pass |
| 1.875 | 75.00 | 1.875 | 16.0000 | 0.080 | 7.500 | 15.9800 | Pass |
| 2.500 | 100.00 | 2.500 | 20.0000 | 0.080 | 10.000 | 20.0100 | Pass |

## Certification

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*Keith Anderson*

Keith Anderson
Rosemount Service Representative
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May 20, 2022
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May 19, 2022

# CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

## Contact Information

| | | | |
|---|---|---|---|
| **Purchase Order:** | LP-0726 | **Service Request:** | 2018286 |
| **Customer Name:** | Malburg Generating Station | **Quote#:** | BA8047-IVS |
| **Location/Project:** | Vernon, CA 90058 | **Sales Representative:** | Richard Tse |
| **Address 1:** | 4963 Soto St. | **Phone:** | 661-345-3675 |
| **Address 2:** | | **Email:** | richard.tse@emerson.com |
| **Customer Contact:** | Ian Everts | **Service Representative:** | Keith Anderson |
| **Phone:** | 323-350-3481 | **Phone:** | 925-596-9769 |
| **Email:** | ieverts@cityofvernon.org | **Email:** | keith.anderson@emerson.com |

## Device Information

| | |
|---|---|
| **Device Type:** | Multivariable |
| **Device Tag:** | 11FTCT-1 |
| **Model:** | 3051 |
| **Serial #:** | 47659 |

## Calibration Range Data

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

## Test Equipment Used

| Asset # | Description | Calibration Due |
|---|---|---|
| ES-01486 | FLUKE 754 | 8-Oct-22 |
| PS-00965 | Fluke 0-30 Pressure Module | 8-Oct-22 |
| PS-01355 | Fluke +/-15-100 Pressure Module | 8-Oct-22 |
| PS-00899 | Fluke 0-300 Presure Module | 8-Oct-22 |

## As Found Calibration Data

| | Static Pressure | | | | Differential Pressure | | | |
|---|---|---|---|---|---|---|---|---|
| Target % Of Span | Specified Range in PSI | Applied PSI | Indicated Static Pressure in PSI | #N/A | Specified Range InH2O | Applied InH2O | Indicated Differential Pressure InH2O | Pass Fail +/- 0.5 InH2O |
| 0.00 | 0.00 | 0.000 | 0.000 | #N/A | 0.00 | 0.000 | 0.000 | Pass |
| 25.00 | 118.75 | 118.750 | 118.500 | #N/A | 35.75 | 35.750 | 35.250 | Pass |
| 50.00 | 237.50 | 237.500 | 237.500 | #N/A | 71.50 | 71.500 | 71.300 | Pass |
| 75.00 | 356.25 | 356.250 | 356.600 | #N/A | 107.25 | 107.250 | 107.300 | Pass |
| 100.00 | 475.00 | 475.000 | 474.800 | #N/A | 143.00 | 143.000 | 143.000 | Pass |
| | **Temperature** | | | | **Analog Out** | | | |
| Target % Of Span | Specified Range Deg F | Applied Deg F | Indicated Digital Temp Deg F | Pass Fail +/- 0.50 Deg F | Specified Range mA | Simulated mA | Indicated Output mA | Pass Fail +/- 0.5000 mA |
| 0.00 | 0.00 | 0.00 | 0.000 | Pass | 4.0000 | 4.0000 | 4.0000 | Pass |
| 25.00 | 50.00 | 50.00 | 49.640 | Pass | 8.0000 | 8.0000 | 7.9700 | Pass |
| 50.00 | 100.00 | 100.00 | 99.670 | Pass | 12.0000 | 12.0000 | 11.9700 | Pass |
| 75.00 | 150.00 | 150.00 | 149.700 | Pass | 16.0000 | 16.0000 | 15.9700 | Pass |
| 100.00 | 200.00 | 200.00 | 199.800 | Pass | 20.0000 | 20.0000 | 19.9800 | Pass |

## As Left Calibration Data

| | Static Pressure | | | | Differential Pressure | | | |
|---|---|---|---|---|---|---|---|---|
| Target % Of Span | Specified Range in PSI | Applied PSI | Indicated Static Pressure in PSI | #N/A | Specified Range InH2O | Applied InH2O | Indicated Differential Pressure InH2O | Pass Fail +/- 0.5 InH2O |
| 0.00 | 0.00 | 0.000 | 0.000 | #N/A | 0.00 | 0.000 | 0.000 | Pass |
| 25.00 | 118.75 | 118.750 | 118.500 | #N/A | 35.75 | 35.750 | 35.250 | Pass |
| 50.00 | 237.50 | 237.500 | 237.500 | #N/A | 71.50 | 71.500 | 71.300 | Pass |
| 75.00 | 356.25 | 356.250 | 356.600 | #N/A | 107.25 | 107.250 | 107.300 | Pass |
| 100.00 | 475.00 | 475.000 | 474.800 | #N/A | 143.00 | 143.000 | 143.000 | Pass |
| | **Temperature** | | | | **Analog Out** | | | |
| Target % Of Span | Specified Range Deg F | Applied Deg F | Indicated Digital Temp Deg F | Pass Fail +/- 0.50 Deg F | Specified Range mA | Simulated mA | Indicated Output mA | Pass Fail +/- 0.5000 mA |
| 0.00 | 0.00 | 0.00 | 0.000 | Pass | 4.0000 | 4.0000 | 4.0000 | Pass |
| 25.00 | 50.00 | 50.00 | 49.640 | Pass | 8.0000 | 8.0000 | 7.9700 | Pass |
| 50.00 | 100.00 | 100.00 | 99.670 | Pass | 12.0000 | 12.0000 | 11.9700 | Pass |
| 75.00 | 150.00 | 150.00 | 149.700 | Pass | 16.0000 | 16.0000 | 15.9700 | Pass |
| 100.00 | 200.00 | 200.00 | 199.800 | Pass | 20.0000 | 20.0000 | 19.9800 | Pass |

## Certification

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*Keith Anderson*

Keith Anderson
Rosemount Service Representative
PH: 925-596-9769

May 19, 2022
Date

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May 19, 2022

# CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

## Contact Information

| | | | |
|---|---|---|---|
| **Purchase Order:** | LP-0726 | **Service Request:** | 2018286 |
| **Customer Name:** | Malburg Generating Station | **Quote#:** | BA8047-IVS |
| **Location/Project:** | Vernon, CA 90058 | **Sales Representative:** | Richard Tse |
| **Address 1:** | 4963 Soto St. | **Phone:** | 661-345-3675 |
| **Address 2:** | | **Email:** | richard.tse@emerson.com |
| **Customer Contact:** | Ian Everts | **Service Representative:** | Keith Anderson |
| **Phone:** | 323-350-3481 | **Phone:** | 925-596-9769 |
| **Email:** | ieverts@cityofvernon.org | **Email:** | keith.anderson@emerson.com |

## Device Information

| | |
|---|---|
| **Device Type:** | Multivariable |
| **Device Tag:** | 11FTCT-2 |
| **Model:** | 3051 |
| **Serial #:** | 47658 |

## Calibration Range Data

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

## Test Equipment Used

| Asset # | Description | Calibration Due |
|---|---|---|
| ES-01486 | FLUKE 754 | 8-Oct-22 |
| PS-00965 | Fluke 0-30 Pressure Module | 8-Oct-22 |
| PS-01355 | Fluke +/-15-100 Pressure Module | 8-Oct-22 |
| PS-00899 | Fluke 0-300 Presure Module | 8-Oct-22 |

## As Found Calibration Data

| | Static Pressure | | | | Differential Pressure | | | |
|---|---|---|---|---|---|---|---|---|
| Target % Of Span | Specified Range in PSI | Applied PSI | Indicated Static Pressure in PSI | #N/A | Specified Range InH2O | Applied InH2O | Indicated Differential Pressure InH2O | Pass Fail +/- 0.5 InH2O |
| 0.00 | 0.00 | 0.000 | 0.000 | #N/A | 0.00 | 0.000 | 0.070 | Pass |
| 25.00 | 118.75 | 118.750 | 118.500 | #N/A | 35.75 | 35.750 | 35.400 | Pass |
| 50.00 | 237.50 | 237.500 | 237.300 | #N/A | 71.50 | 71.500 | 72.000 | Pass |
| 75.00 | 356.25 | 356.250 | 356.300 | #N/A | 107.25 | 107.250 | 107.600 | Pass |
| 100.00 | 475.00 | 475.000 | 475.400 | #N/A | 143.00 | 143.000 | 143.200 | Pass |
| | **Temperature** | | | | **Analog Out** | | | |
| Target % Of Span | Specified Range Deg F | Applied Deg F | Indicated Digital Temp Deg F | Pass Fail +/- 0.50 Deg F | Specified Range mA | Simulated mA | Indicated Output mA | Pass Fail +/- 0.5000 mA |
| 0.00 | 0.00 | 0.00 | 0.000 | Pass | 4.0000 | 4.0000 | 4.0000 | Pass |
| 25.00 | 50.00 | 50.00 | 49.700 | Pass | 8.0000 | 8.0000 | 7.9700 | Pass |
| 50.00 | 100.00 | 100.00 | 99.700 | Pass | 12.0000 | 12.0000 | 11.9700 | Pass |
| 75.00 | 150.00 | 150.00 | 149.700 | Pass | 16.0000 | 16.0000 | 15.9700 | Pass |
| 100.00 | 200.00 | 200.00 | 199.700 | Pass | 20.0000 | 20.0000 | 19.9700 | Pass |

## As Left Calibration Data

| | Static Pressure | | | | Differential Pressure | | | |
|---|---|---|---|---|---|---|---|---|
| Target % Of Span | Specified Range in PSI | Applied PSI | Indicated Static Pressure in PSI | #N/A | Specified Range InH2O | Applied InH2O | Indicated Differential Pressure InH2O | Pass Fail +/- 0.5 InH2O |
| 0.00 | 0.00 | 0.000 | 0.000 | #N/A | 0.00 | 0.000 | 0.070 | Pass |
| 25.00 | 118.75 | 118.750 | 118.500 | #N/A | 35.75 | 35.750 | 35.400 | Pass |
| 50.00 | 237.50 | 237.500 | 237.300 | #N/A | 71.50 | 71.500 | 72.000 | Pass |
| 75.00 | 356.25 | 356.250 | 356.300 | #N/A | 107.25 | 107.250 | 107.600 | Pass |
| 100.00 | 475.00 | 475.000 | 475.400 | #N/A | 143.00 | 143.000 | 143.200 | Pass |
| | **Temperature** | | | | **Analog Out** | | | |
| Target % Of Span | Specified Range Deg F | Applied Deg F | Indicated Digital Temp Deg F | Pass Fail +/- 0.50 Deg F | Specified Range mA | Simulated mA | Indicated Output mA | Pass Fail +/- 0.5000 mA |
| 0.00 | 0.00 | 0.00 | 0.000 | Pass | 4.0000 | 4.0000 | 4.0000 | Pass |
| 25.00 | 50.00 | 50.00 | 49.700 | Pass | 8.0000 | 8.0000 | 7.9700 | Pass |
| 50.00 | 100.00 | 100.00 | 99.700 | Pass | 12.0000 | 12.0000 | 11.9700 | Pass |
| 75.00 | 150.00 | 150.00 | 149.700 | Pass | 16.0000 | 16.0000 | 15.9700 | Pass |
| 100.00 | 200.00 | 200.00 | 199.700 | Pass | 20.0000 | 20.0000 | 19.9700 | 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.

*Keith Anderson*

Keith Anderson
Rosemount Service Representative
PH: 925-596-9769

May 19, 2022
Date

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

EMERSON.
Process Management

**May 20, 2022**

# CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

## Contact Information

| | | | |
|---|---|---|---|
| **Purchase Order:** | LP-0726 | **Service Request:** | 2018286 |
| **Customer Name:** | Malburg Generating Station | **Quote#:** | BA8047-IVS |
| **Location/Project:** | Vernon, CA 90058 | **Sales Representative:** | Richard Tse |
| **Address 1:** | 4963 Soto St. | **Phone:** | 661-345-3675 |
| **Address 2:** | | **Email:** | richard.tse@emerson.com |
| **Customer Contact:** | Ian Everts | **Service Representative:** | Keith Anderson |
| **Phone:** | 323-350-3481 | **Phone:** | 925-596-9769 |
| **Email:** | ieverts@cityofvernon.org | **Email:** | keith.anderson@emerson.com |

## Device Information

| | | | |
|---|---|---|---|
| **Device Type: Flow Transmitter** | | **Serial Number:** | **1287778** |
| **Device Tag: 11FIT-18** | | **Range:** | **0 To 10 IN H2O** |
| **Model: 3051** | | | |

## Test Equipment Used

| Asset # | Description | Calibration Due |
|---|---|---|
| ES-01486 | FLUKE 754 | 8-Oct-22 |
| PS-00965 | Fluke 0-30 Pressure Module | 8-Oct-22 |
| PS-01355 | Fluke +/-15-100 Pressure Module | 8-Oct-22 |
| PS-00899 | Fluke 0-300 Presure Module | 8-Oct-22 |

## As Found Calibration Data

| Specified Range IN H2O | Applied % Of Span | Applied IN H2O | Specified Output In mA | Output Tolerance +/- mA | Indicated Digital/Hart Output In IN H2O | Measured Analog Output In mA | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 0.000 | 0.00 | 0.000 | 4.0000 | 0.080 | 0.000 | 3.9800 | Pass |
| 2.500 | 25.00 | 2.500 | 8.0000 | 0.080 | 2.500 | 8.2200 | Fail |
| 5.000 | 50.00 | 5.000 | 12.0000 | 0.080 | 5.000 | 12.1300 | Fail |
| 7.500 | 75.00 | 7.500 | 16.0000 | 0.080 | 7.500 | 16.1000 | Fail |
| 10.000 | 100.00 | 10.000 | 20.0000 | 0.080 | 10.000 | 20.1000 | 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 | 2.500 | 8.0600 | Pass |
| 5.000 | 50.00 | 5.000 | 12.0000 | 0.080 | 5.000 | 12.0500 | Pass |
| 7.500 | 75.00 | 7.500 | 16.0000 | 0.080 | 7.500 | 16.0400 | Pass |
| 10.000 | 100.00 | 10.000 | 20.0000 | 0.080 | 10.000 | 20.0400 | Pass |

## Certification

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*Keith Anderson*

Keith Anderson
Rosemount Service Representative
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May 20, 2022
Date

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EMERSON.
Process Management

**May 20, 2022**

# CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

## Contact Information

| | | | |
|---|---|---|---|
| **Purchase Order:** | LP-0726 | **Service Request:** | 2018286 |
| **Customer Name:** | Malburg Generating Station | **Quote#:** | BA8047-IVS |
| **Location/Project:** | Vernon, CA 90058 | **Sales Representative:** | Richard Tse |
| **Address 1:** | 4963 Soto St. | **Phone:** | 661-345-3675 |
| **Address 2:** | | **Email:** | richard.tse@emerson.com |
| **Customer Contact:** | Ian Everts | **Service Representative:** | Keith Anderson |
| **Phone:** | 323-350-3481 | **Phone:** | 925-596-9769 |
| **Email:** | ieverts@cityofvernon.org | **Email:** | keith.anderson@emerson.com |

## Device Information

| | | | |
|---|---|---|---|
| **Device Type: Flow Transmitter** | | **Serial Number:** | **1292706** |
| **Device Tag: 21FIT-18** | | **Range:** | **0 To 10 IN H2O** |
| **Model: 3051** | | | |

## Test Equipment Used

| Asset # | Description | Calibration Due |
|---|---|---|
| ES-01486 | FLUKE 754 | 8-Oct-22 |
| PS-00965 | Fluke 0-30 Pressure Module | 8-Oct-22 |
| PS-01355 | Fluke +/-15-100 Pressure Module | 8-Oct-22 |
| PS-00899 | Fluke 0-300 Presure Module | 8-Oct-22 |

## As Found Calibration Data

| Specified Range IN H2O | Applied % Of Span | Applied IN H2O | Specified Output In mA | Output Tolerance +/- mA | Indicated Digital/Hart Output In IN H2O | Measured Analog Output In mA | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 0.000 | 0.00 | 0.000 | 4.0000 | 0.080 | 0.000 | 3.9900 | Pass |
| 2.500 | 25.00 | 2.500 | 8.0000 | 0.080 | 2.500 | 7.7100 | Fail |
| 5.000 | 50.00 | 5.000 | 12.0000 | 0.080 | 5.000 | 11.8470 | Fail |
| 7.500 | 75.00 | 7.500 | 16.0000 | 0.080 | 7.500 | 15.8900 | Fail |
| 10.000 | 100.00 | 10.000 | 20.0000 | 0.080 | 10.000 | 19.9400 | Pass |

## 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 | 2.500 | 7.8700 | Fail |
| 5.000 | 50.00 | 5.000 | 12.0000 | 0.080 | 5.000 | 11.7600 | Fail |
| 7.500 | 75.00 | 7.500 | 16.0000 | 0.080 | 7.500 | 15.8800 | Fail |
| 10.000 | 100.00 | 10.000 | 20.0000 | 0.080 | 10.000 | 19.9400 | Pass |

## Certification

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*Keith Anderson*

Keith Anderson
Rosemount Service Representative
PH: 925-596-9769

May 20, 2022
Date

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Chanhassen, MN 55317
T: 800-654-7768
F: 952-906-8844

May 19, 2022

# CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

## Contact Information

| | | | |
|---|---|---|---|
| **Purchase Order:** | LP-0726 | **Service Request:** | 2018286 |
| **Customer Name:** | Malburg Generating Station | **Quote#:** | BA8047-IVS |
| **Location/Project:** | Vernon, CA 90058 | **Sales Representative:** | Richard Tse |
| **Address 1:** | 4963 Soto St. | **Phone:** | 661-345-3675 |
| **Address 2:** | | **Email:** | richard.tse@emerson.com |
| **Customer Contact:** | Ian Everts | **Service Representative:** | Keith Anderson |
| **Phone:** | 323-350-3481 | **Phone:** | 925-596-9769 |
| **Email:** | ieverts@cityofvernon.org | **Email:** | keith.anderson@emerson.com |

## Device Information

| | |
|---|---|
| **Device Type:** | Multivariable |
| **Device Tag:** | 11HHA10C |
| **Model:** | 3051 |
| **Serial #:** | 336124 |

## Calibration Range Data

| | | | | |
|---|---|---|---|---|
| **Static Pressure Range:** | 0 | To | 800 | PSI |
| **Differential Pressure Range:** | 0 | To | 1000 | InH2O |
| **Temperature Range:** | 0 | To | 1000 | F |
| **Analog Output Range:** | 4 | To | 20 | mA |

## Test Equipment Used

| Asset # | Description | Calibration Due |
|---|---|---|
| ES-01486 | FLUKE 754 | 8-Oct-22 |
| PS-00965 | Fluke 0-30 Pressure Module | 8-Oct-22 |
| PS-01355 | Fluke +/-15-100 Pressure Module | 8-Oct-22 |
| PS-00899 | Fluke 0-300 Presure Module | 8-Oct-22 |

## As Found Calibration Data

| | Static Pressure | | | | Differential Pressure | | | |
|---|---|---|---|---|---|---|---|---|
| Target % Of Span | Specified Range in PSI | Applied PSI | Indicated Static Pressure in PSI | #N/A | Specified Range InH2O | Applied InH2O | Indicated Differential Pressure InH2O | Pass Fail +/- 0.5 InH2O |
| 0.00 | 0.00 | 0.000 | 0.100 | #N/A | 0.00 | 0.000 | 0.000 | Pass |
| 25.00 | 200.00 | 200.000 | 200.000 | #N/A | 250.00 | 250.000 | 249.900 | Pass |
| 50.00 | 400.00 | 400.000 | 400.000 | #N/A | 500.00 | 500.000 | 500.200 | Pass |
| 75.00 | 600.00 | 600.000 | 600.300 | #N/A | 750.00 | 750.000 | 750.200 | Pass |
| 100.00 | 800.00 | 800.000 | 799.800 | #N/A | 1000.00 | 1000.000 | 999.800 | Pass |
| | **Temperature** | | | | **Analog Out** | | | |
| Target % Of Span | Specified Range Deg F | Applied Deg F | Indicated Digital Temp Deg F | Pass Fail +/- 0.50 Deg F | Specified Range mA | Simulated mA | Indicated Output mA | Pass Fail +/- 0.5000 mA |
| 0.00 | 0.00 | 0.00 | 0.170 | Pass | 4.0000 | 4.0000 | 4.0000 | Pass |
| 25.00 | 250.00 | 250.00 | 249.900 | Pass | 8.0000 | 8.0000 | 7.9900 | Pass |
| 50.00 | 500.00 | 500.00 | 500.100 | Pass | 12.0000 | 12.0000 | 12.0000 | Pass |
| 75.00 | 750.00 | 750.00 | 750.100 | Pass | 16.0000 | 16.0000 | 16.0000 | Pass |
| 100.00 | 1000.00 | 1000.00 | 1000.100 | Pass | 20.0000 | 20.0000 | 20.0000 | Pass |

## As Left Calibration Data

| | Static Pressure | | | | Differential Pressure | | | |
|---|---|---|---|---|---|---|---|---|
| Target % Of Span | Specified Range in PSI | Applied PSI | Indicated Static Pressure in PSI | #N/A | Specified Range InH2O | Applied InH2O | Indicated Differential Pressure InH2O | Pass Fail +/- 0.5 InH2O |
| 0.00 | 0.00 | 0.000 | 0.100 | #N/A | 0.00 | 0.000 | 0.000 | Pass |
| 25.00 | 200.00 | 200.000 | 200.000 | #N/A | 250.00 | 250.000 | 249.900 | Pass |
| 50.00 | 400.00 | 400.000 | 400.000 | #N/A | 500.00 | 500.000 | 500.200 | Pass |
| 75.00 | 600.00 | 600.000 | 600.300 | #N/A | 750.00 | 750.000 | 750.200 | Pass |
| 100.00 | 800.00 | 800.000 | 799.800 | #N/A | 1000.00 | 1000.000 | 999.800 | Pass |
| | **Temperature** | | | | **Analog Out** | | | |
| Target % Of Span | Specified Range Deg F | Applied Deg F | Indicated Digital Temp Deg F | Pass Fail +/- 0.50 Deg F | Specified Range mA | Simulated mA | Indicated Output mA | Pass Fail +/- 0.5000 mA |
| 0.00 | 0.00 | 0.00 | 0.170 | Pass | 4.0000 | 4.0000 | 4.0000 | Pass |
| 25.00 | 250.00 | 250.00 | 249.900 | Pass | 8.0000 | 8.0000 | 7.9900 | Pass |
| 50.00 | 500.00 | 500.00 | 500.100 | Pass | 12.0000 | 12.0000 | 12.0000 | Pass |
| 75.00 | 750.00 | 750.00 | 750.100 | Pass | 16.0000 | 16.0000 | 16.0000 | Pass |
| 100.00 | 1000.00 | 1000.00 | 1000.100 | Pass | 20.0000 | 20.0000 | 20.0000 | Pass |

## Certification

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*Keith Anderson*

Keith Anderson
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PH: 925-596-9769

May 19, 2022
Date

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May 19, 2022

# CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

## Contact Information

| | | | |
|---|---|---|---|
| **Purchase Order:** | LP-0726 | **Service Request:** | 2018286 |
| **Customer Name:** | Malburg Generating Station | **Quote#:** | BA8047-IVS |
| **Location/Project:** | Vernon, CA 90058 | **Sales Representative:** | Richard Tse |
| **Address 1:** | 4963 Soto St. | **Phone:** | 661-345-3675 |
| **Address 2:** | | **Email:** | richard.tse@emerson.com |
| **Customer Contact:** | Ian Everts | **Service Representative:** | Keith Anderson |
| **Phone:** | 323-350-3481 | **Phone:** | 925-596-9769 |
| **Email:** | ieverts@cityofvernon.org | **Email:** | keith.anderson@emerson.com |

## Device Information

| | |
|---|---|
| **Device Type:** | Multivariable |
| **Device Tag:** | 21HHA10C |
| **Model:** | 3051 |
| **Serial #:** | 336125 |

## Calibration Range Data

| | | | | |
|---|---|---|---|---|
| **Static Pressure Range:** | 0 | To | 800 | PSI |
| **Differential Pressure Range:** | 0 | To | 1000 | InH2O |
| **Temperature Range:** | 0 | To | 1000 | F |
| **Analog Output Range:** | 4 | To | 20 | mA |

## Test Equipment Used

| Asset # | Description | Calibration Due |
|---|---|---|
| ES-01486 | FLUKE 754 | 8-Oct-22 |
| PS-00965 | Fluke 0-30 Pressure Module | 8-Oct-22 |
| PS-01355 | Fluke +/-15-100 Pressure Module | 8-Oct-22 |
| PS-00899 | Fluke 0-300 Presure Module | 8-Oct-22 |

## As Found Calibration Data

| | Static Pressure | | | | Differential Pressure | | | |
|---|---|---|---|---|---|---|---|---|
| Target % Of Span | Specified Range in PSI | Applied PSI | Indicated Static Pressure in PSI | #N/A | Specified Range InH2O | Applied InH2O | Indicated Differential Pressure InH2O | Pass Fail +/- 0.5 InH2O |
| 0.00 | 0.00 | 0.000 | 0.000 | #N/A | 0.00 | 0.000 | 0.000 | Pass |
| 25.00 | 200.00 | 200.000 | 200.200 | #N/A | 250.00 | 250.000 | 250.100 | Pass |
| 50.00 | 400.00 | 400.000 | 400.200 | #N/A | 500.00 | 500.000 | 499.600 | Pass |
| 75.00 | 600.00 | 600.000 | 600.400 | #N/A | 750.00 | 750.000 | 750.400 | Pass |
| 100.00 | 800.00 | 800.000 | 800.500 | #N/A | 1000.00 | 1000.000 | 999.700 | Pass |
| | **Temperature** | | | | **Analog Out** | | | |
| Target % Of Span | Specified Range Deg F | Applied Deg F | Indicated Digital Temp Deg F | Pass Fail +/- 0.50 Deg F | Specified Range mA | Simulated mA | Indicated Output mA | Pass Fail +/- 0.5000 mA |
| 0.00 | 0.00 | 0.00 | 0.160 | Pass | 4.0000 | 4.0000 | 4.0000 | Pass |
| 25.00 | 250.00 | 250.00 | 250.000 | Pass | 8.0000 | 8.0000 | 8.0000 | Pass |
| 50.00 | 500.00 | 500.00 | 500.300 | Pass | 12.0000 | 12.0000 | 12.0000 | Pass |
| 75.00 | 750.00 | 750.00 | 750.500 | Pass | 16.0000 | 16.0000 | 16.0100 | Pass |
| 100.00 | 1000.00 | 1000.00 | 1000.500 | Pass | 20.0000 | 20.0000 | 20.0100 | Pass |

## As Left Calibration Data

| | Static Pressure | | | | Differential Pressure | | | |
|---|---|---|---|---|---|---|---|---|
| Target % Of Span | Specified Range in PSI | Applied PSI | Indicated Static Pressure in PSI | #N/A | Specified Range InH2O | Applied InH2O | Indicated Differential Pressure InH2O | Pass Fail +/- 0.5 InH2O |
| 0.00 | 0.00 | 0.000 | 0.000 | #N/A | 0.00 | 0.000 | 0.000 | Pass |
| 25.00 | 200.00 | 200.000 | 200.200 | #N/A | 250.00 | 250.000 | 250.100 | Pass |
| 50.00 | 400.00 | 400.000 | 400.200 | #N/A | 500.00 | 500.000 | 499.600 | Pass |
| 75.00 | 600.00 | 600.000 | 600.400 | #N/A | 750.00 | 750.000 | 750.400 | Pass |
| 100.00 | 800.00 | 800.000 | 800.500 | #N/A | 1000.00 | 1000.000 | 999.700 | Pass |
| | **Temperature** | | | | **Analog Out** | | | |
| Target % Of Span | Specified Range Deg F | Applied Deg F | Indicated Digital Temp Deg F | Pass Fail +/- 0.50 Deg F | Specified Range mA | Simulated mA | Indicated Output mA | Pass Fail +/- 0.5000 mA |
| 0.00 | 0.00 | 0.00 | 0.160 | Pass | 4.0000 | 4.0000 | 4.0000 | Pass |
| 25.00 | 250.00 | 250.00 | 250.000 | Pass | 8.0000 | 8.0000 | 8.0000 | Pass |
| 50.00 | 500.00 | 500.00 | 500.300 | Pass | 12.0000 | 12.0000 | 12.0000 | Pass |
| 75.00 | 750.00 | 750.00 | 750.500 | Pass | 16.0000 | 16.0000 | 16.0100 | Pass |
| 100.00 | 1000.00 | 1000.00 | 1000.500 | Pass | 20.0000 | 20.0000 | 20.0100 | Pass |

## Certification

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-8

Keith Anderson
Rosemount Service Representative
PH: 925-596-9769

May 19, 2022
Date

# Appendix C
# Diesel Firewater Pump Operating Logs

**Malburg Generating Station**
**Diesel Firewater Pump Testing Times**
**During Calendar Year 2022**

| Date | Time (hh:mm) | Start Hours | End Hours | Event Type | Hours of Operation |
|---|---|---|---|---|---|
| 1/2/2022 | 20:25 | 330.8 | 331.3 | Testing | 0.50 |
| 1/9/2022 | 20:12 | 331.3 | 331.8 | Testing | 0.50 |
| 1/16/2022 | 23:24 | 331.8 | 332.3 | Testing | 0.50 |
| 1/23/2022 | 19:10 | 332.3 | 332.8 | Testing | 0.50 |
| 1/30/2022 | 19:16 | 332.8 | 333.3 | Testing | 0.50 |
| 2/6/2022 | 23:11 | 333.3 | 333.8 | Testing | 0.50 |
| 2/13/2022 | 23:13 | 333.8 | 334.3 | Testing | 0.50 |
| 2/20/2022 | 19:08 | 334.3 | 334.8 | Testing | 0.50 |
| 2/27/2022 | 23:56 | 334.8 | 335.3 | Testing | 0.50 |
| 3/6/2022 | 20:30 | 335.3 | 335.7 | Testing | 0.40 |
| 3/13/2022 | 21:15 | 335.7 | 336.3 | Testing | 0.60 |
| 3/20/2022 | 19:41 | 336.3 | 336.8 | Testing | 0.50 |
| 3/27/2022 | 20:04 | 336.8 | 337.3 | Testing | 0.50 |
| 4/3/2022 | 19:28 | 337.3 | 337.8 | Testing | 0.50 |
| 4/10/2022 | 20:46 | 337.8 | 338.3 | Testing | 0.50 |
| 4/17/2022 | 19:57 | 338.3 | 338.7 | Testing | 0.40 |
| 4/24/2022 | 20:21 | 338.7 | 339.2 | Testing | 0.50 |
| 5/22/2022 | 20:47 | 339.4 | 339.9 | Testing | 0.50 |
| 5/29/2022 | 21:34 | 339.9 | 340.4 | Testing | 0.50 |
| 6/7/2022 | 13:30 | 340.4 | 340.9 | Testing | 0.50 |
| 6/19/2022 | 23:41 | 340.9 | 341.5 | Testing | 0.60 |
| 6/26/2022 | 20:32 | 341.5 | 342 | Testing | 0.50 |
| 7/3/2022 | 22:11 | 342 | 342 | Testing | 0.00 |
| 7/6/2022 | 10:16 | 342 | 342.5 | Maintenance | 0.50 |
| 7/10/2022 | 21:18 | 342.5 | 343 | Testing | 0.50 |
| 7/17/2022 | 20:45 | 343 | 343.5 | Testing | 0.50 |
| 7/24/2022 | 19:26 | 343.5 | 344 | Testing | 0.50 |
| 7/31/2022 | 22:18 | 344 | 344.5 | Testing | 0.50 |
| 8/7/2022 | 20:14 | 344.5 | 345 | Testing | 0.50 |
| 8/14/2022 | 19:45 | 345 | 345.5 | Testing | 0.50 |
| 8/21/2022 | 23:17 | 345.5 | 346 | Testing | 0.50 |
| 8/28/2022 | 23:48 | 346 | 346.5 | Testing | 0.50 |
| 9/4/2022 | 23:21 | 346.5 | 347.1 | Testing | 0.60 |
| 9/11/2022 | 21:16 | 347.1 | 347.6 | Testing | 0.50 |
| 9/18/2022 | 17:50 | 347.6 | 348.1 | Testing | 0.50 |
| 9/25/2022 | 22:19 | 348.1 | 348.6 | Testing | 0.50 |
| 10/2/2022 | 19:27 | 348.6 | 349.1 | Testing | 0.50 |
| 10/9/2022 | 21:57 | 349.1 | 349.6 | Testing | 0.50 |
| 10/16/2022 | 21:14 | 349.6 | 350.1 | Testing | 0.50 |
| 10/23/2022 | 22:24 | 350.1 | 350.6 | Testing | 0.50 |
| 10/30/2022 | 19:08 | 350.6 | 351.1 | Testing | 0.50 |
| 11/6/2022 | 18:05 | 351.1 | 351.6 | Testing | 0.50 |
| 11/13/2022 [a] | 0:00 | 351.6 | 352.1 | Testing | 0.50 |
| 11/20/2022 | 17:51 | 352.1 | 352.6 | Testing | 0.50 |
| 11/27/2022 | 21:20 | 352.6 | 353.2 | Testing | 0.60 |
| 12/4/2022 | 19:09 | 353.2 | 353.7 | Testing | 0.50 |
| 12/11/2022 | 17:16 | 353.7 | 354.2 | Testing | 0.50 |
| 12/18/2022 | 22:15 | 354.2 | 354.7 | Testing | 0.50 |
| 12/25/2022 | 21:46 | 354.7 | 355.2 | Testing | 0.50 |

Notes:

[a] The actual record from the run conducted on November 13, 2022 is not available as the site experienced an issue with the handheld device used to record the data, such that the runtime record was lost before it could be uploaded. The runtime is based on the initial hour reading taken during the next testing period on November 20, 2022. The total hours included in the log are correct as the hour meter was operational and not affected by the handheld device issue.

# Appendix D
# Hazardous Materials Inventory

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

**CERS ID** 10451263
**Facility ID** VERN
**Status** **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

Chemical Location **Auxiliary Water Treatment Chemical Area**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

Chemical Location **CEMS Building**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

Chemical Location **HRSG Water Treatment Chemical Area**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

**CERS ID** 10451263
**Facility ID** VERN
**Status** **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

**CERS ID** 10451263
**Facility ID** VERN
**Status** **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

Chemical Location **Natural Gas Accumulator**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

Chemical Location **Natural Gas Compressor Skid**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

Chemical Location **Natural Gas Cooler**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

Chemical Location **Natural Gas Electric Heater**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

**CERS ID** 10451263
**Facility ID** VERN
**Status** **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

Chemical Location **Station A - Basement**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

Chemical Location **Substation A - Piping Galley**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

Chemical Location **Substation A - Transformers**

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Hazardous Materials And Wastes Inventory Matrix Report

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

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

CERS ID **10451263**
Facility ID **VERN**
Status **Submitted** on 11/7/2022 10:37 AM

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

# Appendix E
# Waste Management Methods

## Non-RCRA Hazardous Waste Solid

In December, World Oil Environmental, Inc. transported 250 lbs. of Oily Rags to Yes Management, Inc.

In December, World Oil Environmental, Inc. transported 100 lbs. of Rust with Trace Ammonia Salts to US Ecology Vernon, Inc.

In August, World Oil Environmental, Inc. transported 100 lbs. of Used Oily Rags to Yes Management, Inc.

In August, World Oil Environmental, Inc. transported 100 lbs. of Used Oily Rags to Yes Management, Inc.

In June, World Oil Environmental, Inc. transported 40 lbs. of Rust with Trace Ammonia Salts to US Ecology Vernon, Inc.

In June, World Oil Environmental, Inc. transported 250 lbs. of Oily Solids to Yes Management, Inc.

In June, World Oil Environmental, Inc. transported 300 lbs. of Used Drained Oil Filters to Yes Management, Inc.

In June, World Oil Environmental, Inc. transported 500 lbs. of Used Oily Rags to Yes Management, Inc.

In April, World Oil Environmental, Inc. transported 100 lbs. of Used Oily Rags to Yes Management, Inc.

In April, World Oil Environmental, Inc. transported 100 lbs. of Used Oily Rags to Yes Management, Inc.

In February, World Oil Environmental, Inc. transported 150 lbs. of Used Drained Oil Filters to Yes Management, Inc.

In February, World Oil Environmental, Inc. transported 250 lbs. of Used Oily Rags to Yes Management, Inc.

## Non-RCRA Hazardous Waste Liquid

In December, World Oil Environmental, Inc. transported approximately 55 gallons of Oily Water to World Oil Recycling, Inc.

In December, World Oil Environmental, Inc. transported approximately 55 gallons of Used Oil to World Oil Recycling, Inc.

In August, World Oil Environmental, Inc. transported approximately 100 gallons of Oily Water to World Oil Recycling, Inc.

In June, World Oil Environmental, Inc. transported approximately 110 gallons of Used Oil to World Oil Recycling, Inc.

In April, World Oil Environmental, Inc. transported approximately 40 gallons of Used Oil to World Oil Recycling, Inc.

In March, World Oil Environmental, Inc. transported approximately 40 gallons of Rainwater with Trace Oil to World Oil Recycling, Inc.

In February, World Oil Environmental, Inc. Transported approximately 110 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 2022

## Non-Hazardous Waste Solid

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

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

## Non-Hazardous Waste Liquid

In December, World Oil Environmental, Inc. transported 200 gallons of Water with Trace of Oil to World Oil Recycling.

In November, World Oil Environmental, Inc. transported 250 gallons of Water with Trace of Oil to World Oil Recycling.

In November, Mesa Environmental transported approximately 2,950 gallons of Cooling Water Sludge to Crosby and Overton.

In November, Mesa Environmental transported approximately 1,350 gallons of Cooling Water Sludge to Crosby and Overton.

In May, Mesa Environmental transported approximately 2,200 gallons of Cooling Water Sludge to Crosby and Overton.

In May, Mesa Environmental transported approximately 2,700 gallons of Cooling Water Sludge to Crosby and Overton.

In March, World Oil Environmental, Inc. transported 2,800 gallons of Water with Trace of Oil to World Oil Recycling.

In March, World Oil Environmental, Inc. transported 400 gallons of Water with Trace of Oil to World Oil Recycling.

In February, World Oil Environmental, Inc. transported 500 gallons of Water with Trace of Oil to World Oil Recycling.

### Universal Waste

In June, World Oil Environmental, Inc. transported 40 lbs. of Aerosols to US Ecology Vernon, Inc.

In June, World Oil Environmental, Inc. transported 225 Fluorescent Lamps to Lighting Resources, Inc.

In June, World Oil Environmental, Inc. transported 10 Incandescent Lamps to Lighting Resources, Inc.

In June, World Oil Environmental Inc. transported 7 UN3028 Alkaline Batteries and 5 UN3028 Lithium Batteries to Lighting Resources, Inc.

In June, World Oil Environmental, Inc. transported 7 empty Calibration Cylinders to Stoody Industry & Welding.

In June, World Oil Environmental, Inc. transported 750 lbs. of E-Waste to E-Recycling.

# 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) |
|---|---|---|---|
| 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** | **237,529,299** | **31,751,009** | **728.903** |

**Table 2. Yearly Potable Water Use - Project Lifetime**

| Year | Potable Water Used [1] (gal) | (cu. ft.) | (acre-feet) |
|---|---|---|---|
| 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** | **710,286** | **94,945** | **2.180** |

[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 2022**

| Month | Days of the Month | Potable Water Used [1, 2] (gal) | (cu. ft.) | (acre-feet) | Average Water Usage (gpd) | Hours Used for Process Cooling [3] | Days Used for Process Cooling |
|---|---|---|---|---|---|---|---|
| January | 31 | 45 | 6 | 0.000 | 1 | 0.00 | 0.0 |
| February | 28 | 7,257 | 970 | 0.022 | 259 | 0.22 | 0.0 |
| March | 31 | 187 | 25 | 0.001 | 6 | 0.00 | 0.0 |
| April | 30 | 637,568 | 85,225 | 1.956 | 21,252 | 22.11 | 0.9 |
| May | 31 | 786 | 105 | 0.002 | 25 | 0.00 | 0.0 |
| June | 30 | 150 | 20 | 0.000 | 5 | 0.00 | 0.0 |
| July | 31 | 254 | 34 | 0.001 | 8 | 0.00 | 0.0 |
| August | 31 | 4,848 | 648 | 0.015 | 156 | 0.00 | 0.0 |
| September | 30 | 143,037 | 19,120 | 0.439 | 4,768 | 0.00 | 0.0 |
| October | 31 | 758,177 | 101,347 | 2.327 | 24,457 | 27.33 | 1.1 |
| November | 30 | 307 | 41 | 0.001 | 10 | 0.00 | 0.0 |
| December | 31 | 262 | 35 | 0.001 | 8 | 0.00 | 0.0 |
| **Annual Total** | | **1,552,876** | **207,576** | **4.765** | | **49.66** | **2.1** |
| **Montly Average** | | **129,406** | **17,298** | **0.397** | | | |
| **Exceeds Limit of 9 Days per Calendar Year? [4]** | | | | | | | **No** |

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

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

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

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

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

**Malburg Generating Station**
**Annual Compliance Report**
**Appendix F**
**Table 4. Reclaimed Water Usage During 2022**

| Month | Days of the Month | Reclaimed Water Used [1, 2] (gal) | (cu. ft.) | (acre-feet) | Average Water Usage (gpd) |
|---|---|---|---|---|---|
| January | 31 | 21,076,969 | 2,817,400 | 64.679 | 679,902 |
| February | 28 | 19,509,700 | 2,607,900 | 59.869 | 696,775 |
| March | 31 | 17,672,366 | 2,362,300 | 54.231 | 570,076 |
| April | 30 | 12,558,355 | 1,678,700 | 38.538 | 418,612 |
| May | 31 | 9,828,538 | 1,313,800 | 30.161 | 317,050 |
| June | 30 | 7,334,372 | 980,400 | 22.507 | 244,479 |
| July | 31 | 19,460,325 | 2,601,300 | 59.718 | 627,752 |
| August | 31 | 23,099,084 | 3,087,700 | 70.884 | 745,132 |
| September | 30 | 23,253,940 | 3,108,400 | 71.359 | 775,131 |
| October | 31 | 11,409,273 | 1,525,100 | 35.011 | 368,041 |
| November | 30 | 14,526,606 | 1,941,800 | 44.578 | 484,220 |
| December | 31 | 14,019,394 | 1,874,000 | 43.021 | 452,239 |
| **Annual Total** | | **193,748,923** | **25,898,800** | **594.555** | |
| **Monthly Average** | | **16,145,744** | **2,158,233** | **49.546** | |

[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 2022

*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 2022

## 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 2022. Routine maintenance occurred in 2022, 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 2022.

In addition to the routine maintenance activities detailed on the following pages, CEC staff completed a compliance site inspection of Station "A" on September 20, 2022 and noted that the building's stucco exterior was delaminating, flaking, and deteriorating. To address the CEC's concerns and facilitate repairs of the stucco exterior coating, a memorandum presenting a multi-phase treatment plan for Station "A" in accordance with Secretary of the Interior's Standards for the Treatment of Historic Properties and COC CUL-8 was created and is included with this report as Attachment A. The memorandum, which was previously shared with CEC staff, includes a summary of the building's history, development, and significance; information on the appropriate guidance materials used as part of the assessment; and an outline of the proposed multi-phase treatment plan.

On December 8, 2022, VPU had a stucco contractor complete a damage assessment of Station "A" and provide an estimated cost for the repairs. The estimate was at over two million dollars ($2MM). Currently, VPU is developing a budget and plan for the repairs, in accordance with the City of Vernon's Purchasing Ordinance. VPU has agreed to periodically update CEC staff on progress made with respect to the exterior repairs.

## 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 2022 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"**

    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.
3. **Quarterly Maintenance of the Exterior of Station "A"**

    Inspection of the following items: (a) lighting, (b) wastewater separator, (c) safety systems, and (d) compressor backflow catch basin.
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 and inspection of roof drains.
    c. 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 and high voltage gloves 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, battery charger room, machine shop, muffler deck, engine room, and air washer deck).

   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.

# Attachment A

# Malburg Generating Station A Building

**Date:** November 7, 2022

**Project name:** Preservation Plan for Malburg Generating Station A Building, Vernon, Los Angeles County, California

**Prepared by:** Jessica R. Wobig, MA, and Jeremy Hollins, MA

**Copies to:** City of Vernon, Public Utilities

## Introduction

Jacobs Engineering Group, Inc. (Jacobs) on behalf of the City of Vernon, Public Utilities Department (VPU) has prepared this memorandum in partial fulfillment of Condition of Certification Number CUL-8 of the California Energy Commission (CEC) Final Commission Decision for the Malburg Generating Station (MGS; 01-AFC-25C; TN#287426).

Per Condition of Certification Number CUL-8, the property owner (VPU) shall ensure that the MGS Station A Building (Station A) is maintained in accordance with the Secretary of the Interior's (SOI) Standards 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).

On September 20, 2022, CEC staff completed a compliance site inspection of the MGS Station A and noted that the building's stucco exterior is delaminating, flaking, and deteriorating. To facilitate repairs of the stucco exterior coating, this memorandum presents a multi-phase treatment plan for Station A in accordance with SOI Standards and COC #CUL-8. This memorandum includes a summary of the building's history, development, and significance; information on the appropriate guidance materials used as part of this assessment; and an outline of the proposed multi-phase treatment plan.

Jessica R. Wobig, MA and Jeremy Hollins, MA, who meet the SOI professional qualifications standards in architectural history and history, prepared this memorandum. Ms. Wobig and Mr. Hollins have more than 22 years of combined experience in California.

## Station A

Built in 1932 and opened in 1934, Station A, historically known as the Vernon Light and Power Plant building, is located at 4963 S Soto Street in Vernon, Los Angeles County, California, and is part of the 3.4-acre MGS property.

The building was designed by architect Richard Douglas King (1879-1945), who had designed the Vernon City Hall in 1925, and won recognition for the Villa Riviera apartment hotel in Long Beach in 1929 (Nordin 2017; PCAD 2022). Mittry Brothers Construction Company constructed the steel frame building with reinforced concrete walls (LA Times 1932; Sweet 1933). Station A was constructed as part of the largest diesel station in the country when it opened on June 19, 1933, and features Art Deco-inspired characteristics and form.

Art Deco-inspired designs were popular from the 1920s to 1930s, and were known for use of structural steel, stepped forms, and reinforced concrete and simple geometric designs (Los Angeles Conservancy Modern Committee 1997) (See Attachment 1, Photographs 1-2 for historic photographs taken of the building exterior in 1938-1939). The building features structural steel and reinforce concrete

construction, as well as a stucco exterior with abstract foundation relief panels at the highest parapet walls (Los Angeles Conservancy Modern Committee 1997).

The building exterior is described as having concrete walls in newspaper articles from the 1930s (LA Times 1932; Sweet 1934). Historic black-and-white photographs from 1938 and 1939 show the building's exterior as a smooth, consistent surface, likely a Mission Stucco float texture finish (Bishop 1938 and 1939).

By the late 1990s, the exterior is described as pale blue in color, and a pamphlet prepared for an architectural tour by the Los Angeles Conservancy further described the building exterior as Mission Stucco, which was a Portland concrete product that was often applied to create smooth plains and layered abstract designs (LA Times 1997; Los Angeles Conservancy Modern Committee 1997). A video, also from 1997, shows the building exterior and interior as a smooth concrete surface, likely a stucco applied with a float texture finish. The front (south) elevation is painted a pale blue on the two-story portion; an alternating darker grey and pale blue color cover the one-story portion and the second story pedimented feature at the building's center; and the interior is a more common painted grey at ground level with natural concrete color on the walls above ground level (KCET 1997). A brown texture finish stucco is found on the building's exterior, which was applied sometime after the late 1990s (See Attachment 1, Photographs 3-6).

## Secretary of the Interior's Standards - Rehabilitation

The SOI Standards are a series of concepts about maintaining, repairing, and replacing historic materials, as well as designing new additions or making alterations. There are four types of treatment standards that can be used: rehabilitation, reconstruction, restoration, and preservation.

The most appropriate treatment type to address deficiencies and damage to Station A's stucco exterior is a rehabilitation treatment. The SOI Standards for Rehabilitation guide rehabilitation projects that address exterior and interior work for historic buildings, and per the National Park Service (NPS), "**rehabilitation** is defined as the act of process of making possible a compatible use for property through repair, alterations, and additions while preserving those portions or features which convey its historical, cultural, or architectural values. The Rehabilitation Standards acknowledge the need to alter or add to a historic building to meet continuing or new uses while retaining the building's historic character" (NPS 1995).

By applying the SOI Standards for Rehabilitation, historic building materials and character-defining features are protected and maintained. Rehabilitation may be considered as an appropriate treatment for the stucco repair because these changes will be compatible with the building's historic appearance, form, and significance. The SOI Standards for Rehabilitation are detailed in Table 1.

**Table 1. Secretary of the Interior's Standards for Rehabilitation**

| # | Standard |
|---|---|
| 1 | A property will be used as it was historically or be given a new use that requires minimal change to its distinctive materials, features, spaces and spatial relationships. |
| 2 | The historic character of a property will be retained and preserved. The removal of distinctive material or alteration of features, spaces and spatial relationships that characterize a property will be avoided. |
| 3 | Each property will be recognized as a physical record of its time, place and use. Changes that create a false sense of historical development, such as adding conjectural features or elements from other historic properties, will not be undertaken. |

| # | Standard |
|---|---|
| 4 | Changes to a property that have acquired historic significance in their own right will be retained and preserved. |
| 5 | Distinctive materials, features, finished, and construction techniques or example of craftsmanship that characterize a property will be preserved. |
| 6 | Deteriorated historic features will be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive features, the new features will match the old in design, color, texture, and where possible, materials. Replacement of missing features will be substantiated by documentary and physical evidence. |
| 7 | Chemical or physical treatments, if appropriate, will be undertaken using the gentlest means possible. Treatments that cause damage to historic materials will not be used. |
| 8 | Archaeological resources will be protected and preserved in place. If such resources must be disturbed, mitigation measures will be undertaken. |
| 9 | New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work will be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportions, and massing to protect the integrity of the property and its environment. |
| 10 | New additions and adjacent or related new construction will be undertaken in such a manner that, if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired. |

*Source: NPS 1995.*

In addition to the SOI Standards for Rehabilitation, guidelines and technical preservations briefs are also available from the NPS at https://www.nps.gov/orgs/1739/upload/treatment-guidelines-2017-part1-preservation-rehabilitation.pdf and https://www.nps.gov/orgs/1739/preservation-briefs.htm. Specific technical preservation briefs for masonry buildings, such as stucco cladding, which may be consulted include:

- *A Glossary of Historic Masonry Deterioration Problems and Preservation Treatments* (Grimmer 1984)
- *Keeping It Clean: Removing Exterior Direct, Paint, Stains and Graffiti from Historic Masonry Buildings* (Grimmer 1988)
- *Preservation of Historic Concrete* (Gaudette and Slaton)
- *The Use of Substitute Materials on Historic Building Exteriors* (Park 1988)
- *Architectural Character—Identifying the Visual Aspects of Historic Buildings as an Aid to Preserving Their Character* (Nelson 1988)
- *The Preservation and Repair of Historic Stucco* (Grimmer 1990)
- *Holding the Line: Controlling Unwanted Moisture in Historic Buildings* (Park 1996)

## Treatment Plan

Prior to undertaking work, VPU will ensure that a multi-phase plan is developed to guide the repairs to the building's stucco exterior, consistent with the SOI Standards for Rehabilitation (36 CFR Part 68) and other guidelines and technical preservations briefs outlined above. The treatment plan shall include:

1. **Complete damage assessment** by qualified experts to identify and document cause, location, and extent of stucco deterioration along the building. The assessment will also consider if stucco is a character-defining feature of Station A that existed throughout its period of significance. If stucco is a character-defining feature, the assessment will identify the stucco's historic appearance, including its historic characteristics (texture, coating, application), and alterations. The damage assessment may take up to 6 months to be completed due to VPU's budgetary constraints.
2. **Develop multi-phase repair plan** based on severity of damage in order to address major damage first. Identify treatment measures for repairing or replacing stucco, consistent with the *SOI Standards for Rehabilitation and Guidelines* (Grimmer 2017), *Preservation Brief 22: The Preservation and Repair of Historic Stucco* (Grimmer 1990), and other applicable technical briefs listed within this memorandum.
3. **Implement multi-phase repair plan** over several years based on severity of damage. The repair plan will likely include:
    a. Cleaning damaged area and removing loose or badly cracked areas prior to repair
    b. Repairs for hairline and more substantial cracking
    c. Patch repairs to damaged areas
    d. Large-scale replacement of badly damaged areas
    e. Consideration of repainting the building to mask differences in coating and texture of stucco repair

## Conclusion

In accordance with COC #CUL-8, VPU will apply the SOI Standards for Rehabilitation and implement a multi-phased treatment plan to repair the stucco exterior at Station A. Based on available documentation, the original building exterior had concrete walls, which were likely a float texture finish, though the color and texture is not perceivable from the gathered archival information, and physical inspection is recommended. All work should be overseen by SOI qualified professionals.

## References

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**Project Title:** **Malburg Station A Building**

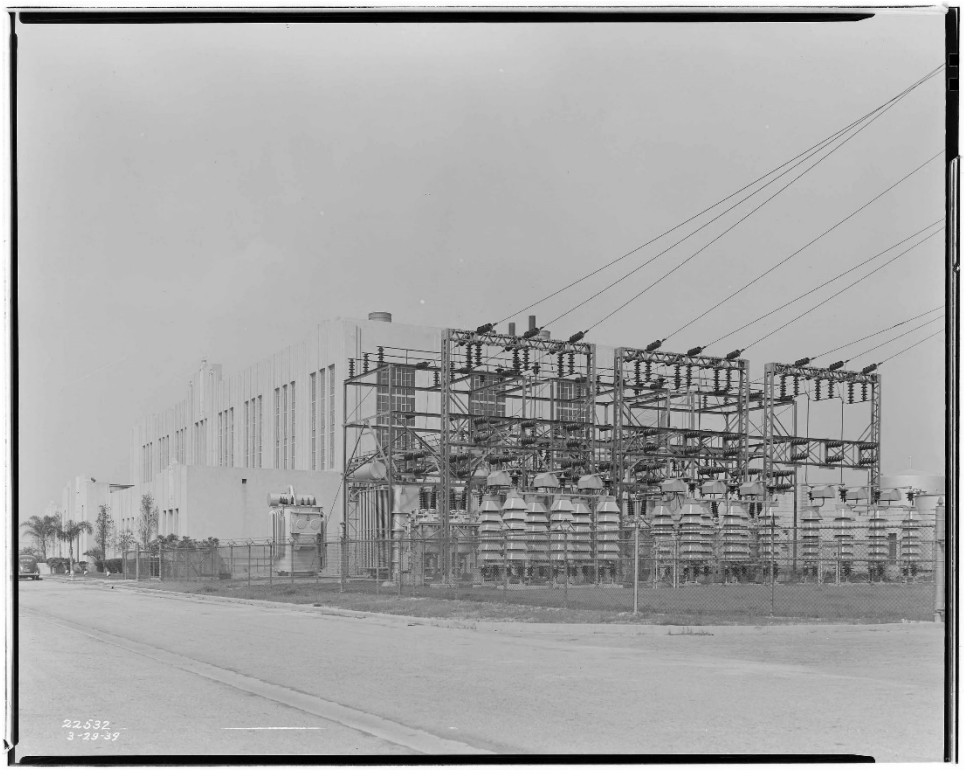
**Location:** Vernon, Los Angeles County, California

**Date:** October 1, 2022

## Photographs


**Photograph 1: Station A in 1938, facing northeast.**

*Taken by: G. Haven Bishop* *Date taken: December 14, 1938*




**Photograph 2: Station A in 1939, facing northwest.**

*Taken by: G. Haven Bishop* *Date taken: March 29, 1939*

**Photograph 3: Station A, southeast corner, facing northwest.**

*Date taken: September 28, 2022*

**Photograph 4: Station A, southwest corner, facing northeast.**

*Date taken: September 28, 2022*

**Photograph 5: Station A, upper floor, facing north.**

*Date taken: September 28, 2022*

**Photograph 6: Station A, ground floor, facing north.**

*Date taken: September 28, 2022*

# Appendix H
# Notices of Violation

**South Coast Air Quality Management District**
21865 COPLEY DR., P.O. Box 4941, DIAMOND BAR, CA 91765-0941

# NOTICE TO COMPLY

6/20/22
DATE OF INSPECTION

| Facility Name | | Facility ID# | Sector |
|---|---|---|---|
| Vernon Public Utilities | | 195802 | CE |
| **Location Address** | **City** | | **Zip** |
| 4963 S. Soto St | Vernon | | 90058 |
| **Mailing Address** | **City** | | **Zip** |
| 4305 Santa Fe Ave | Vernon | | 90058 |

This Notice to Comply is being issued to:

- ☐ Request additional information needed to determine compliance with clean air requirements.
- ☐ Correct a minor violation found during an inspection.

Failure to respond or take corrective action, or providing false statements in response to this Notice to Comply can lead to issuance of a Notice of Violation pursuant to the California Health and Safety Code. The facility cited above is subject to re-inspection at any time to ensure compliance.

## YOU ARE HEREBY DIRECTED TO COMPLY WITH:

| # | AQMD RULE/ CAL H&S CODE | REQUIREMENT | COMPLIANCE DUE DATE | COMPLIANCE ACHIEVED DATE |
|---|---|---|---|---|
| 1 | 2004 (e) | Facility to report QCERs with accurate emissions | 12/20/22 | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |

| | | | |
|---|---|---|---|
| Served To: Lisa Umeda | | Served By: Christian Fielding | |
| Title: Utilities Compliance Administrator | | Date Served: 12/6/22 | Phone: 909.396.2055 |
| Email Address: lumeda@ci.vernon.ca.us | Phone: 323.313.6208 | Email Address: Cfielding @aqmd.gov | Fax: |
| | | Forms/Applications/Info available at: www.aqmd.gov | |

**Instructions:**

- For each minor violation cited above, compliance shall be achieved by the compliance deadline specified for that particular violation.
- Within 5 working days of achieving compliance for each respective violation, the owner/responsible officer of the cited facility must complete and return a signed copy of this Notice to Comply to the South Coast Air Quality Management District at the address listed above.
- Please copy and return this Notice to Comply as many times as necessary to provide the required information. On each copy, include the date on which compliance was achieved. **Date, sign, and send all completed copies to the attention of the inspector named above.**

I hereby certify that the facility cited in this Notice to Comply has achieved compliance with the requirements listed above.

| Todd Dusenberry | General Manager of Public Utilities | | 12/19/2022 |
|---|---|---|---|
| NAME OF OWNER/RESPONSIBLE OFFICIAL | TITLE | SIGNATURE | DATE |

**NOTICE#: E 55763**

*FILE COPY (Blue)* *FACILITY COPY (Gold)* *INSPECTOR COPY (White)*

# CITY OF VERNON

DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
CERTIFIED UNIFIED PROGRAM AGENCY
4305 S. SANTA FE AVENUE, VERNON, CA 90058
(323) 826-1448
www.cityofvernon.org/departments/health

# ABOVEGROUND PETROLEUM STORAGE ACT
## OFFICIAL INSPECTION REPORT

| | | | |
|---|---|---|---|
| INSPECTION DATE | **02/10/2022** | COMPLIANCE DATE | **02/28/2022** |
| BUSINESS NAME | MALBURG GENERATING STATION | RECORD ID<br>PR0009433 | PRGM ELEMENT<br>4001 |
| BUSINESS ADDRESS | 4963 S SOTO ST VERNON CA 90058 | CERS ID<br>10451263 | SERVICE<br>001 – ROUTINE |
| OWNER NAME | CITY OF VERNON | TIME IN: 0630 | TIME OUT: 1021 |
| MAILING ADDRESS | 4305 S SANTA FE AVE VERNON CA 90058 | | |
| EMAIL ADDRESS | LUMEDA@CITYOFVERNON.ORG; MBONFIGLIO@CITYOFVERNON.ORG; MFLYNN@CITYOFVERNON.ORG; ANDREW.SRY@JACOBS.COM; | | |
| ISSUED BY | THO DO, REHS | SIGNATURE | |

**THE CITY OF VERNON CERTIFIED UNIFIED PROGRAM AGENCY (CUPA) CONDUCTED A ROUTINE ABOVEGROUND PETROLEUM STORAGE ACT (APSA) INSPECTION**

THE INSPECTION REVEALED THE FOLLOWING:

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**VIOLATION – 4010041:**
*Failure to address in the SPCC Plan the type of oil and storage capacity for each fixed container.*
*For mobile or portable containers, either provide the type of oil and storage capacity, or an estimate of the potential number of mobile or portable containers, the types of oil, and anticipated storage capacities. (HSC 6.67 25270.4.5(a); 40 CFR 1 112.7(a)(3)(i))*

**OBSERVATION:**

- OBSERVED FIFTEEN 55 GALLONS DRUM OF PETROLEUM IN THE MAIN HAZARDOUS WASTE ACCUMULATION AREA. THIS AMOUNT OF DRUMS EXCEEDS THE ANTICIPATED NUMBER OF CONTAINERS LISTED IN THE SPCC PLAN.

**CORRECTIVE ACTION:**

- REMOVE THE EXCEEDING NUMBER OF DRUMS FROM THE WASTE ACCUMULATION AREA. ENSURE THE NUMBER OF WASTE DRUMS DOES NOT EXCEED THE ANTICIPATING NUMBER OF CONTAINERS LISTED IN THE SPCC PLAN.

| RECEIVED BY | SIGNATURE | TITLE |
|---|---|---|
| SENT VIA EMAIL | | |

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# HAZARDOUS MATERIALS BUSINESS PLAN
## OFFICIAL INSPECTION REPORT

| | | | |
|---|---|---|---|
| INSPECTION DATE | **02/10/2022** | COMPLIANCE DATE | **02/28/2022** |
| BUSINESS NAME | MALBURG GENERATING STATION | RECORD ID<br>PR0006921 | PRGM ELEMENT<br>4203 |
| BUSINESS ADDRESS | 4963 S SOTO ST VERNON CA 90058 | CERS ID<br>10451263 | SERVICE<br>001 – ROUTINE |
| OWNER NAME | CITY OF VERNON | TIME IN: 0630 | TIME OUT: 1021 |
| MAILING ADDRESS | 4305 S SANTA FE AVE VERNON CA 90058 | | |
| EMAIL ADDRESS | LUMEDA@CITYOFVERNON.ORG; | | |
| ISSUED BY | THO DO, REHS | SIGNATURE | |

**THE CITY OF VERNON CERTIFIED UNIFIED PROGRAM AGENCY (CUPA) CONDUCTED A ROUTINE HAZARDOUS MATERIAL BUSINESS PLAN INSPECTION.**

THE INSPECTION REVEALED THE FOLLOWING:

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**VIOLATION – 1010005:**
*Failure to electronically submit a site map with all required content. (HSC 6.95 25508.1(a))*

**OBSERVATION:**

- THE BUSINESS FAILED TO ELECTRONICALLY SUBMIT A SITE MAP WITH ALL THE REQUIRED CONTENT, INCLUDING NORTH ORIENTATION, LOADING AREA, STORM, AND SEWER DRAINS, ACCESS AND EXIT POINT, EMERGENCY SHUT-OFFS, EVACUATION STAGING AREA.

**CORRECTIVE ACTION:**

- ELECTRONICALLY SUBMIT A SITE MAP WITH ALL REQUIRED CONTENT.

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**VIOLATION – 1010004:**
*Failure to electronically submit complete and accurate hazardous material inventory information for all hazardous materials on sites at/or above reportable quantities. HSC 6.95 25506, 25505(a)(1), 25508(a)(1), 25508(a)(3).*

**OBSERVATION:**

- OBSERVED SEVERAL ITEMS REPORTED UNDER THE REPORTABLE QUANTITIES AND MISSING CHEMICAL HAZARD CLASSIFICATIONS ON THE HAZARDOUS MATERIAL INVENTORY.

**CORRECTIVE ACTION:**

- ENSURE ALL HAZARDOUS MATERIALS ARE REPORTED AT THE MINIMUM REPORTABLE QUANTITIES AND PROVIDED WITH HAZARD CLASSIFICATIONS. ELECTRONICALLY SUBMIT COMPLETE AND ACCURATE CHEMICAL INVENTORY INFORMATION FOR ALL HAZARDOUS MATERIAL ON-SITE AT/OR ABOVE THE REPORTABLE QUANTITIES.

| RECEIVED BY | SIGNATURE | TITLE |
|---|---|---|
| SENT VIA EMAIL | | |

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# CALIFORNIA ACCIDENTAL RELEASE PROGRAM
## OFFICIAL INSPECTION REPORT

| | | | |
|---|---|---|---|
| INSPECTION DATE | **04/07/2022** | COMPLIANCE DATE | **06/07/2022** |
| BUSINESS NAME | MALBURG GENERATING STATION | RECORD ID<br>PR0007172 | PRGM ELEMENT<br>5100 |
| BUSINESS ADDRESS | 4963 S SOTO ST VERNON CA 90058 | CERS ID<br>10451263 | SERVICE<br>001 – ROUTINE |
| OWNER NAME | CITY OF VERNON | TIME IN: 0930 | TIME OUT: 1103 |
| MAILING ADDRESS | 4963 S SOTO ST VERNON CA 90058 | | |
| EMAIL ADDRESS | MBONFIGLIO@CITYOFVERNON.ORG; LUMEDA@CITYOFVERNON.ORG; MFLYNN@CITYOFVERNON.ORG; | | |
| ISSUED BY | THO DO, REHS | SIGNATURE | |

**THE CITY OF VERNON CERTIFIED UNIFIED PROGRAM AGENCY (CUPA) CONDUCTED A ROUTINE CALIFORNIA ACCIDENTAL RELEASE PROGRAM (CALARP) INSPECTION.**

THE INSPECTION REVEALED THE FOLLOWING:

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**VIOLATION – 5010005:**
*Failure to submit an RMP which includes all requirements described in Sections 2745.3 through 2745.5 and 2745.8 through 2745.9. (19 CCR 4.5 2735.5(b)(1), 2735.5(d), 2745.1(a))*

**OBSERVATION:**

- UNDER SECTION 2745.3, THE RISK MANAGEMENT PLAN (RMP) EXECUTIVE SUMMARY REQUIRES A BRIEF DESCRIPTION OF "PLANNED CHANGES TO IMPROVE SAFETY" AS A COMPONENT. THE SUBMITTED RMP EXECUTIVE SUMMARY DOES CONTAIN A BRIEF DESCRIPTION OF THE "PLANNED CHANGES TO IMPROVE SAFETY.

**CORRECTIVE ACTION:**

- PROVIDE A BRIEF DESCRIPTION OF THE "PLANNED CHANGES TO IMPROVE SAFETY" COMPONENT TO THE RMP EXECUTIVE SUMMARY AND RESUBMIT IT TO THE CUPA FOR REVIEW.

| RECEIVED BY | SIGNATURE | TITLE |
|---|---|---|
| SENT VIA EMAIL | | |