



Ventura County
Air Pollution
Control District

RESPONSIBLE OFFICIAL'S CERTIFICATION FORM

Ventura County APCD Rule 33.9 requires that *“any document, including reports, schedule of compliance progress reports and compliance certifications, required by a Part 70 permit shall be certified by a responsible official.”* Therefore, this form shall be signed by the company’s Responsible Official and submitted with all such reports, including, but not limited to semi-annual reports, deviation and emergency reports and any periodic reports required by a Part 70 permit. However, when submitting your Annual Compliance Certifications, please use the form titled Annual Compliance Certification Signature Cover Form.


Semi-annual reports, deviations and emergency reports and any periodic reports required by your Part 70 permit should be submitted to:

Ed Swede
Air Quality Engineer
Ventura County Air Pollution Control District
4567 Telephone Road, 2nd Floor
Ventura, CA 93003

RECEIVED
VENTURA COUNTY
A.P.C.D.
2024 APR 29 PM 1:26

Certification by Responsible Official

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this document is true, accurate, and complete.

Signature and Title of Responsible Official: Laurie Nichols Signature: <u></u> Title: <u>Associate Vice President</u>	Date: <u>4/24/24</u>
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Ventura County
Air Pollution
Control District

**ANNUAL COMPLIANCE CERTIFICATION
SIGNATURE COVER FORM**

TV Permit # 1267

A copy of each Annual Compliance Certification shall be submitted to EPA, Region 9, at the following address:

Ms. Roshni Brahmbhatt
Enforcement & Compliance Enforcement Division
EPA Region 9
75 Hawthorne Street
San Francisco, CA 94105

Confidentiality

All information in a Part 70 permit compliance certification is public information. The Part 70 permit is also public information.

Certification by Responsible Official

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this compliance certification are true, accurate, and complete.

<p>Signature and Title of Responsible Official:</p> <p>Laurie Nichols <i>Laurie Nichols</i></p> <p>Title:</p> <p>Associate Vice President</p>	<p>Date:</p> <p>4/24/24</p>
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Time Period Covered by Compliance Certification

04 / 01 / 23 (MM/DD/YY) to 03 / 31 / 24 (MM/DD/YY)

**Trustees of CSU and
CSUCI Site Authority**

Camarillo, CA

**Title V part 70
Annual Compliance Certification**

VCAPCD Permit to Operate #1267

Period covered April 1, 2023 to March 31, 2024

April 2024

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ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 23 (MM/DD/YY) to 03 / 31 / 24 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: 74.9N7</p>	<p>D. Frequency of monitoring: Submit report of annual engine hours of maintenance within 10 days of receiving request from District.</p>
<p>B. Description: Rule 74.9.D.3 Applicable Requirements Emergency Standby Stationary Internal Combustion Engines Operated During Either an Emergency or Maintenance Operation.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring: Maintain records of: 1) Annual hours used during maintenance operations 2) Date, time, duration, and reason for emergency operation 3) Engine Manufacturer, model number, operator id, and location.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: ATCM</p>	<p>D. Frequency of monitoring: Each Use Each Delivery</p>
<p>B. Description: ATCM for Stationary Compression Ignition Engines.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring: Record hours operated for maintenance and testing. Records of fuel type purchased for use.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: 40 CFR Part 63, Subpart ZZZZ</p>	<p>D. Frequency of monitoring: Each Use Each Maintenance Cycle</p>
<p>B. Description: NESHAP for Reciprocating Internal Combustion Engines.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring: 1) Change Oil Filter annually or every 500 hours or approved oil testing program. 2) Inspect Air Filter annually or every 1000 hours. 3) Inspect Belts/Hoses annually or every 500 hours. 4) Limit Non-Emergency use to less than 50 hours/year.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: 74.15N1</p>	<p>D. Frequency of monitoring: Annual Source Test Biennial Source Testing</p>
<p>B. Description: Rule 74.15.B.1 Applicable Requirements Boilers, Heater Treaters, Steam Generators, and Process Heaters: NOx and CO Emission Limits Annual Heat Input > 9,000 MMBTU.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable NOx - ARB Method 100 CO - ARB Method 100</p>
<p>C. Method of monitoring: Maintain Records of: 1) Source test report; and 2) Daily records of alternate fuel consumption.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: STRMLN1267-LM-2500-NOx, NH3</p>	<p>D. Frequency of monitoring: Continuous emission monitoring system for fuel consumption, NOx, O2, and control system parameters.</p>
<p>B. Description: GE LM 2500-33 Gas Turbine Based Cogeneration Unit NOx and NH3 Applicable Requirements Including Streamlined NOx Requirements</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable See Note 1.</p>
<p>C. Method of monitoring: Annual Source Test for NOx, O2, NH3, and gaseous fuel HHV, CEMS data. Maintain Records for: 1) Source test Report 2) Maintenance operations periodic inspections, and repairs performed on the gas turbine, air pollution control system, and continuous emission monitors; and 3) Violations or exceedances of limits.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: STRMLN1267-LM-2500-SOx</p>	<p>D. Frequency of monitoring: None</p>
<p>B. Description: GE LM 2500-33 Gas Turbine Based Cogeneration Unit SOx Applicable Requirements - Streamlined Natural Gas and Distillate Fuel Oil Limits</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable See Note 2.</p>
<p>C. Method of monitoring: Only used PUC quality gas. No Fuel Oil Used.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: PO1267PC1 Condition No. 1</p>	<p>D. Frequency of monitoring: Monthly</p>
<p>B. Description: Additional Permit Requirements Condition No. 1 - Throughput and Consumption Limits</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring: Maintain 12-month rolling average records of throughput and consumption.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO1267PC1 Condition No. 2</p>	<p>D. Frequency of monitoring: Monthly</p>
<p>B. Description: Additional Permit Requirements Condition No. 2 - Solvent Usage</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring: Maintain monthly records of solvent purchase and usage, as well as records of solvent that is recycled or disposed of properly.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO1267PC2 Condition No. 1 & 8</p>	<p>D. Frequency of monitoring: Monthly</p>
<p>B. Description: Additional Permit Requirements Condition No. 1 - Annual Emission and Throughput Limits Condition No. 8 - Records</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring: Maintain rolling 12 month average records of natural gas, fuel oil, and ammonia consumption, as well as emissions of ROC, NOx, PM, SOx, and CO for the gas turbine and for the B&W boilers.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: PO1267PC2 Condition No. 2 & 8</p>	<p>D. Frequency of monitoring: Monthly</p>
<p>B. Description: Additional Permit Requirements Condition No. 2 - Steam Boilers - Natural Gas Condition No. 8 - Records</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring: Maintain rolling 12-month average records of fuel consumption and emissions of ROC, NOx, PM, SOx, and CO for the B&W boilers.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO1267PC2 Condition No. 3 & 8</p>	<p>D. Frequency of monitoring: Upon use</p>
<p>B. Description: Additional Permit Requirements Condition No. 3 - Steam Boilers - Fuel Oil Condition No. 8 - Records</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring: Maintain Records of fuel oil used. No fuel oil used this period.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO1267PC2 Condition No. 4</p>	<p>D. Frequency of monitoring: Continuous</p>
<p>B. Description: Additional Permit Requirements Condition No. 4 - Steam Boilers - Monitor and Record Fuel Consumption</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring: Continuous monitoring and recording of fuel consumption B&W boilers.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: PO1267PC2 Condition No. 5</p>	<p>D. Frequency of monitoring: Continuous</p>
<p>B. Description: Additional Permit Requirements Condition No. 5 - Steam Boilers - CEM for excess Oxygen in Exhaust Stacks</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring: Continuous in-stack emissions monitoring and recording of excess oxygen in exhaust stacks of B&W boilers.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO1267PC2 Condition No. 6</p>	<p>D. Frequency of monitoring: As Needed</p>
<p>B. Description: Additional Permit Requirements Condition No. 6 - Steam Boilers - Standby Service</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring: Maintain records documenting the transition period during which the B&W boilers and the Gas Turbine are simultaneously operated.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO1267PC2 Condition No. 7 & 8</p>	<p>D. Frequency of monitoring: Upon use</p>
<p>B. Description: Additional Permit Requirements Condition No. 7 - GE LM 2500-33 Gas Turbine Fuel Use Limits Condition No. 8 - Records</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring: Maintain Records of fuel oil used. No fuel oil used this period.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: PO1267PC2 Condition No. 9</p>	<p>D. Frequency of monitoring: Annually</p>
<p>B. Description: Additional Permit Requirements Combustion Emission Units Condition No. 9 - Planned Shutdowns</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring: Notified District by letter of planned shutdowns for calendar year.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Rule 50</p>	<p>D. Frequency of monitoring: Annual Formal Survey Periodic visual observations</p>
<p>B. Description: Rule 50 Applicable Requirements Opacity</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring: Routine surveillance and visible inspections. Records of visible emissions for a period or periods aggregating more than three (3) minutes in any one (1) hour including date, time, and identity of emissions unit.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Rule 54.B.1</p>	<p>D. Frequency of monitoring: Annually</p>
<p>B. Description: Rule 54 Applicable Requirements Sulfur Compounds - Sulfur Emissions from Combustion Operations at Point of Discharge.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable EPA Test Method 6, 6A, 6C, 8, 15, 16A, 16B, or SCAQMD Method 307-94.</p>
<p>C. Method of monitoring: Gas analysis demonstrating that natural gas burned has a sulfur content less than 236 ppm.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: Rule 54.B.2</p>	<p>D. Frequency of monitoring: Annually</p>
<p>B. Description: Rule 54 Applicable Requirements Sulfur Compounds - Sulfur Dioxide Concentration</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable SO2 - BAAQMD Manual of Procedures, Vol. VI, Section 1, ground Level Monitoring for H2S and SO2.</p>
<p>C. Method of monitoring: Per District Memo dated May 23, 1996, CI Power maintains Sulfur analysis of all fuels that shows Sulfur content below 0.5%. This results in sulfur dioxide concentrations below 0.25 ppm averaged over one hour, or 0.04 ppm averaged over a 24-hour period, at ground level at any point at or beyond the property line.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Rule 55</p>	<p>D. Frequency of monitoring: As needed.</p>
<p>B. Description: Rule 55 Applicable Requirements Fugitive Dust</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable EPA Method 9</p>
<p>C. Method of monitoring: No operations, disturbed surface areas, or man made conditions at this stationary source that are subject to Rule 55 this reporting period.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Rule 57.1</p>	<p>D. Frequency of monitoring: Continuous.</p>
<p>B. Description: Rule 57 Applicable Requirements Combustion Contaminants - Specific - Fuel Burning Equipment</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring: District analysis of Rule 57.1 compliance is based on EPA emission factors.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: Rule 64.B.1</p>	<p>D. Frequency of monitoring: Annually</p>
<p>B. Description: Rule 64.B.1 Applicable Requirements Sulfur Content of Fuels - Gaseous Fuel Requirements</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable SCAQMD Method 307-94</p>
<p>C. Method of monitoring: Only burned PUC quality natural gas this period.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Rule 64.B.2</p>	<p>D. Frequency of monitoring: Each delivery.</p>
<p>B. Description: Rule 64.B.2 Applicable Requirements Sulfur Content of Fuels - Solid or Liquid Fuel Requirements</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable ASTM D4294-98 or D2622-98</p>
<p>C. Method of monitoring: Maintain Records of sulfur content of fuels purchased. No solid or liquid fuel deliveries this period.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Rule 74.6</p>	<p>D. Frequency of monitoring: Periodic</p>
<p>B. Description: Rule 74.6 Applicable Requirements Surface Cleaning and Degreasing</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable See Note 3.</p>
<p>C. Method of monitoring: Routine surveillance of solvent cleaning activities. Maintain records of current solvent information including: 1) Name and Manufacturer's description. 2) Intended use at the facility. 3) ROC content and ROC composite pressure. 4) Mix Ratio if blended.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: Rule 74.11</p>	<p>D. Frequency of monitoring: Not applicable</p>
<p>B. Description: Rule 74.11 Applicable Requirements Large Water Heaters and Small Boilers</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring: Facility does not have any applicable equipment.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Rule 74.22</p>	<p>D. Frequency of monitoring: Not applicable</p>
<p>B. Description: Rule 74.22 Applicable Requirements Natural Gas-Fired Fan-Type Central Furnaces.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring: Facility does not have any applicable equipment.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Rule 74.1</p>	<p>D. Frequency of monitoring: Not Applicable this period</p>
<p>B. Description: Rule 74.1 Applicable Requirements Abrasive Blasting</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable CCR Section 92400</p>
<p>C. Method of monitoring: Maintain Records of abrasive blasting performed on site. No abrasive blasting performed on site this period.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: Rule 74.2</p>	<p>D. Frequency of monitoring: Periodic</p>
<p>B. Description: Rule 74.2 Applicable Requirements Architectural Coatings</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable See Note 4.</p>
<p>C. Method of monitoring: Routine surveillance of architectural coating operations. Specify usage of compliant coatings and maintain VOC records of coatings used.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Rule 74.4.D</p>	<p>D. Frequency of monitoring: Not Applicable this period</p>
<p>B. Description: Rule 74.4.D Applicable Requirements Cutback Asphalt - Road Oils</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable ASTM D402</p>
<p>C. Method of monitoring: Maintain Records of ROC content in cutback asphalt used on site. No cutback asphalt used on site this period.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: 40 CFR 61.M</p>	<p>D. Frequency of monitoring: Not applicable</p>
<p>B. Description: 40 CFR Part 61, Subpart M Applicable Requirements National Emission Standard for Asbestos</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable See 40 CFR 61.145</p>
<p>C. Method of monitoring: Maintain Records of asbestos demolition or renovation activities. No asbestos demolition or renovation performed this period.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 23 (MM/DD/YY) to 03 / 31 / 24 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: 40 CFR 68 RMP-1267</p>	<p>D. Frequency of monitoring: Not applicable</p>
<p>B. Description: 40 CFR Part 68 Applicable Requirements Accidental Release Prevention and Risk Management Plans</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring: Effective 3/27/2009 the Facility de-registered from the 40 CFR Part 68 RMP by reducing on site inventory of all regulated substances below TQ's.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: 40 CFR 82</p>	<p>D. Frequency of monitoring: Not Applicable this period</p>
<p>B. Description: 40 CFR Part 82 Applicable Requirements Protection of Stratospheric Ozone</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring: No servicing of motor (fleet) vehicles involving ozone- depleting substance refrigerants in the motor vehicle occurred. No maintenance, repair or disposal of appliances occurred.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #:</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description:</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring:</p>	<p>F. Currently in Compliance? (Y or N): _____ G. Compliance Status? (C or I): _____ H. *Excursions, exceedances, or other non-compliance? (Y or N): _____ *If yes, attach Deviation Summary Form</p>

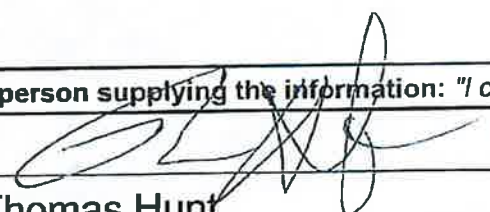
NOTE	ATTACHMENT	
1	STRMLN1267-LM-2500-NO _x , NH ₃ , BOX E	NO _x – EPA Method 20 O ₂ – ARB Method 100 NH ₃ – BAAQMD Method ST-1B Nat Gas HHV – ASTM D1826-88 Fuel Oil HHV – ASTM 240-87
2	STRMLN1267-LM-2500-Sox, Box E	Gaseous Fuel – SCAQMD Method 307-94 Fuel Oil – ASTM D4294-98 or D2622-98 Exhaust sulfur compounds – EPA Test Method 6, 6A, 6C, 8, 15, 16A, 16B, or SCAQMD 307-94, as appropriate.
3	Rule 74.6, Box E	ROC Content – EPA Test Method 24 Identity of solvent compounds – ASTM E168-67, ASTM E169-87, or ASTM E260-85 True VP or composite VP – ASTM D2879-86 or other methods per Rule 7436.G.5 Initial Boiling Point – ASTM 1078-78 or published source Spray Gun active/passive solvent losses – SCAQMD method (10-3-89)
4	Rule 74.2, Box E	VOC Content – EPA Method 24 or CARB Method 432 Acid Content – ASTM Method D1613-85 Metal Content – SCAQMD Method 311-91

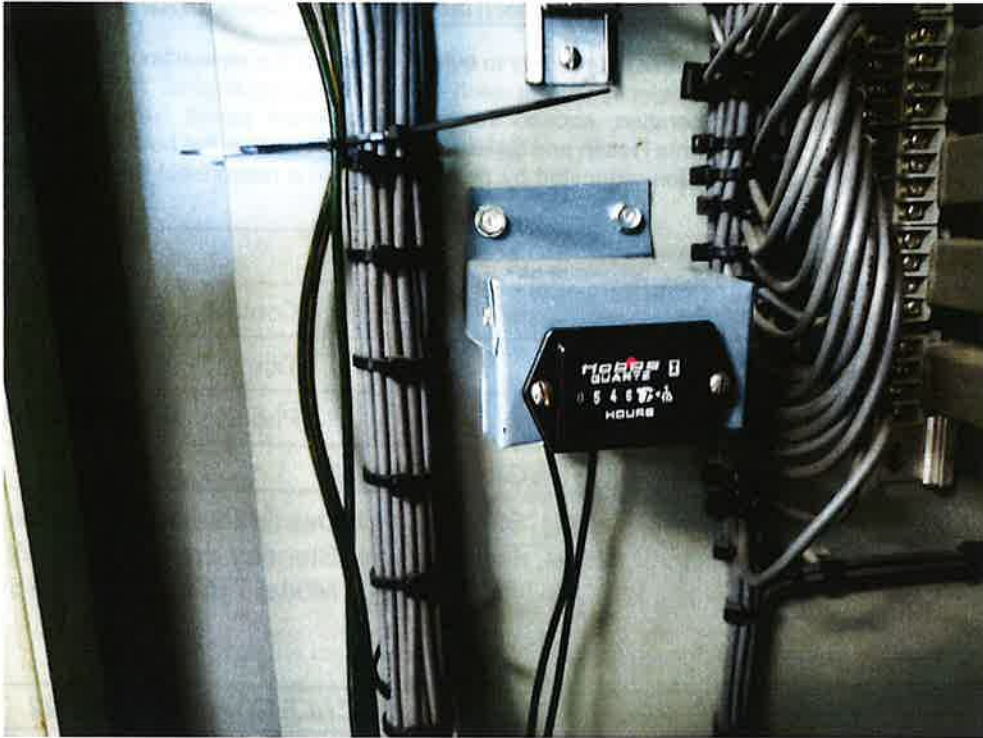
**EMERGENCY DIESEL ENGINE
2022 ANNUAL REPORT FORM**

Reporting Period: January 1 through December 31, 2022

Due Date: See Notice to Supply Information (NTSI) Issued During Inspection

Your APCD Permit to Operate requires your facility to submit reports of the annual hours of operation and/or maintenance and testing, and emergency use for each diesel emergency engine. If the annual operating hours, excluding emergency operation, exceed the specified annual permit limit, please include an explanation. Please Note: California Health and Safety Code 42304 requires the holder of an APCD Permit to Operate to furnish the information requested by the APCD within a reasonable time or the APCD may suspend the Permit to Operate.

PERMIT NUMBER: #1267			
Facility Name:	CI Power	Contact:	Jeff Smith
Facility Address:	1947 Potrero Rd.	Title:	Plant Manager
Facility City:	Camarillo	Phone:	805-437-3797
ENGINE DETAILS			
Engine BHp Rating: <input type="text" value="755"/> BHp Detroit Diesel Fired Emergency Engine Description (Manufacturer, Model, Serial Number, Standby Engine, (565KW) etc.): Model 71637305, S/N 16VA19578			
REPORTING REQUIREMENTS FOR CALENDAR YEAR 2022			
	Date of Reading		Meter Reading
First of 2022:	02/01/1922	First of 2022:	533.9
End of 2022:	12/22/1922	End of 2022:	545.1
Total annual hours for: Maintenance & Testing:			4.30
Hours of Emergency use:			6.70
Total Hours of operation:			11.00
Has the engine listed above exceeded the permit limit for maintenance and testing? If yes, please explain here or attach additional pages :			
Signature of person supplying the information: "I certify that the above information is correct."			
Signature:			Date: 6/1/2023
Print Name: Thomas Hunt			Title: Assistant Vice President
Phone #: 805-437-3352			Email: thomas.hunt@csuci.edu
SEND REPORT TO:			
Inspector Name: Tod Neilan			Email: tod@vcapcd.org
Ventura County Air Pollution Control District 4567 Telephone Road, 2nd Floor, Ventura, CA 93003 or FAX: 806/456-7797			



*ND	ENGINE BASE	507	OIL DIST	*280	C/S PUL BELT		
56	CYLINDER HEAD	339	DIPSTICK				
55	ENG LIFT BRKI	139	OIL FILL CAP	130	WATER PUMP		
*852	FLYWHEEL	338	OIL COOLER				
402	FLYWHEEL HOUS	381	OIL FILTER	215	WAT BY PASS	W.O. 130494	
122	VID DAMPER	692	VENT SYSDH	310	THERMOSTAT		
302	CONN ROD/PSTN	102	C/S COVER			VALVE LSH	STEWART & STEVENSON
*ND	OIL PAN	1561	FAH	332	EDH MANIFOLD	INJ TIMING	SERVICES, INC.
65	OIL PUMP	296	C/S PULLEY			MAX RPM NL 1800	HOUSTON, TEXAS
						STD GT STD CAM B	*ENGINE MOD.
						SPEC. 7612	
		MODEL 71637305		UNIT 16VA19578			

*ND	AIR CLEANER			186	STARTING MTR		
64	INJECTOR	119	INJECTOR COMT	*ND	ENGINE HOOD		
446	BLOWER	*1588	GOVERNOR HYDR	*ND	WIRING HARH		
719	TURBOCHARGER			*ND	INSTRUMENTS	W.O. 130494	
762	FUEL FILTER	*ND	ENG MOUNTS	*ND	RADIATOR	VALVE LSH	STEWART & STEVENSON
1434	FUEL LINES	52	CAM/GR TRAIN	727	VENT SYST	INJ TIMING	SERVICES, INC.
759	AIR INLT HSC	388	ROCKER COVER			MAX RPM NL 1800	HOUSTON, TEXAS
		*ND	BATT CHRG GEN			STD GT STD CAM B	*ENGINE MOD.
						SPEC. 7612	
		MODEL 71637305		UNIT 16VA19578			

06.05.2020 07:10

**Emergency Standby Stationary Internal Combustion Engines
Attachment ATCM**

Emergency standby stationary internal combustion engines are subject to the permit conditions of this Attachment. Annual Compliance Certification consists of the following information.

Engine	Maintenance Operations	Permit Condition
Blackstart Generator	3.5 hours	< 20 hours per year

Emergency Standby Stationary Internal Combustion Engine Fuel Purchases

Date	Volume	Fuel Type
5/11/23	500.1	Dyed CARB ULS Deisel

**NESHAP Stationary Reciprocating Internal Combustion Engines
Attachment 40 CFR Part 63, Subpart ZZZZ**

Stationary reciprocating internal combustion engines are subject to the permit conditions of this Attachment. Annual Compliance Certification consists of the following information.

Engine	Maintenance Operations	Permit Condition
Blackstart Generator	3.3 Hours	< 100 hours per year

Emergency Operations

Date / Time	Duration	Reason
5/8/23	48.2 Hours	Utility Power Unavailable

Stationary Reciprocating Internal Combustion Maintenance Table

Maintenance Item	Periodicity
Oil & Oil Filter	Annually
Air Filter	Annually
Belts / Hoses	Annually

Preventive Maintenance Work Order

Date: 11/13/2023 04:57:54

Plan Priority: 2
Safety: N

Asset Type: Equipment

Asset Code

Work Location: MECHANIC

Origination Date: 11/11/2023 04:57

Due Date: 12/10/2023

Schedule Date:

Completion Date:

Work Area:

Fault Code: N

Work Type:

Status: DO

Compliance Type:

Last PM Date: 12/10/2022

Last PM Usage: 4

Plant No: 000
Work Order: P556653

PM ID Number: 92

Project ID:

Slot Number:

Asset Number: 45BS100

Asset Location: BLACKSTART GENERATOR

Asset Short Desc: BLACKSTART ENGINE

Chg CC-Lab Acct: 6810.12-

Originator: STEVE HUGHES

Phone: 805-437-3792

Work Group:

Supervisor ID:

Assigned To:

Scheduled To:

Planner:

Work Requested: TAG OUT BLACKSTART ENGINE AND GENERATOR IN ACCORDANCE WITH PLANT LOCKOUT/TAGOUT

PROCEDURES REFER TO VENDOR MANUAL FOR SPECIFICATIONS ON THE FOLLOWING

MAINTENANCE ITEMS:

1. Change fuel oil filters.
2. Change lubricating oil and filters.
3. Clean crank case breathers.
4. Inspect turbo chargers-see proc. (4-10)
5. Clean and inspect air filter.
6. Inspect hoses and belts. Replace as needed.

NOTE: RUN ENGINE TO OPERATING TEMPERATURE BEFORE DRAINING OIL.

Sprnt Requirement:

Meter Reading:

CORRECTIVE ACTION

Completed By: LB

Completed Date: 11/14/23

SIGN OFF: Production

Maintenance:

Signed:

Signed:

STATUS CHANGES

Status: / / Date: / / Time: / : /

LABOR

Employee Id: /
Activity Code: /
Crall: /
Hours: 4.0
Type: /
Stock No: /
Qty: /
Account: /

MATERIAL



LubeWatch®

UIN 010466A
Diesel Engine
Blackstart

Unit No.

Unit:

Make
Model
Serial No.
Site

Compartment:

Name
Make
Model
Serial No.
Capacity:

Customer:

CALIFORNIA STATE UNIVERSITY CI
1947 W Poirero Rd
Camarillo CA 93012
USA

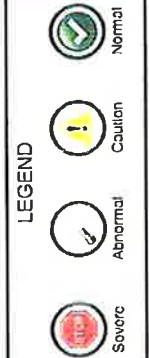
DIAGNOSIS

All wear rates normal. Abrasive and other contaminant levels are acceptable. Viscosity within specified operating range. Action: Resample next recommended service interval to further monitor.

ANALYST: aaron.cotton



Normal



LEGEND

Normal

Caution

Abnormal

Solved

DATE SAMPLED	28-Jul-19	11-Mar-21	31-Oct-19	26-Jul-19	Nov-17
DATE RECEIVED	28-Jul-19	11-Mar-21	31-Oct-19	26-Jul-19	Nov-17
DATE REPORTED	30-Mar-23	12-Mar-21	01-Nov-19	29-Jul-19	09-Nov-17

LAB NO.	44022975410	44022428220	44022123491	44022066547	44021712532
SIF NO.	700405731	36472040	33961127	33961130	32788831

TIME ON UNIT	Hrs	Hrs	Hrs	Hrs	Hrs
TIME ON OIL					
OIL BRAND	Chevron	Chevron	Chevron	Chevron	Chevron
OIL TYPE	Delo 400	Delo 400	Delo 400	Delo 400	Delo 400
OIL GRADE	SAE 40	SAE 40	SAE 40	SAE 40	SAE 40
OIL ADDED					
FILTER					
OIL CHANGED		Not Changed	Not Changed	Not Changed	Not Changed
WO NUMBER					

Metals (ppm)	14	12	11	10	10
Iron (Fe)	<1	<1	<1	<1	<1
Chromium (Cr)	2	1	2	1	1
Lead (Pb)	3	3	3	2	2
Copper (Cu)	3	3	2	1	1
Tin (Sn)	1	2	2	1	1
Aluminum (Al)	<1	<1	<1	<1	<1
Nickel (Ni)	<1	<1	<1	<1	<1
Silver (Ag)	<1	<1	<1	<1	<1
Titanium (Ti)	<1	<1	<1	<1	<1
Vanadium (V)	<1	<1	<1	<1	<1

Contaminants (ppm)	15	1	12	10	12
Silicon (Si)	5	8	5	4	4
Sodium (Na)	2	4	4	5	<1
Potassium (K)	55	48	51	49	17
Magnesium (Mg)	3904	3493	3807	3541	3599
Calcium (Ca)	<1	<1	<1	<1	<1
Barium (Ba)	1081	1004	1031	1011	974
Phosphorus (P)	1231	1211	1222	1153	1096
Zinc (Zn)	54	50	50	49	46
Molybdenum (Mo)	459	445	435	414	451
Boron (B)	<0.05	<0.05	<0.05	<0.05	<0.05
Water (%)	No	No	No	No	No
Coolant	No	No	No	No	No

Physical Tests	13.8	13.6	13.9	13.8	14.0
Viscosity (cSt @100C)	<1	<1	<1	<1.0	<1
Fuel (%)	<0.1	<0.1	0.1	<0.1	<0.1
Soot (%) Infrared	7.7	9.5	8.4	8.6	8.7
Base Number (mgKOH/g)	9	9	9	8	9
Oxidation (Abs@0.1mm)	4	5	4	4	4
E2412/D7414					
Nitration (Abs@0.1mm) E2412					

Physical / Chemical	9.6	8
Base Number (mgKOH/g)	9.6	8
Oxidation (Abs@0.1mm)	9.6	8
E2412/D7414		
Nitration (Abs@0.1mm) E2412		



LubeWatch®

(800) LUBE-80.

UIN 010466A

U.S. Laboratories

Atlanta, Georgia - 420 Valley View, Ohio - 410
 5300 Oakbrook Parkway
 Building 200 Suite 205
 Norcross, GA 30093
 800.394.9599

Kansas City, Kansas - 430 Phoenix, Arizona - 440
 995 Sunning Road
 Kansas City, KS 66115
 500.332.8055

Portland, Oregon - 401
 4943 NW Front Avenue
 Portland, OR 97210
 800.770.4128

Canadian Laboratories

Burlington, Ontario - 450 Edmonton, Alberta - 402
 5036 South Service Rd.
 Burlington, ON L7L5V7
 905.332.9559

Edmonton, AB T6N 1M9
 988.469.0057

Sales & Marketing

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 10450 Stanchill Road, Suite 210
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 877.825.8437

International Locations

Australia
 Brisbane, Perm, Sydney, Melbourne/Brock

South America
 Santiago de Chile, Belo Horizonte, Brazil

New Zealand
 Wellington

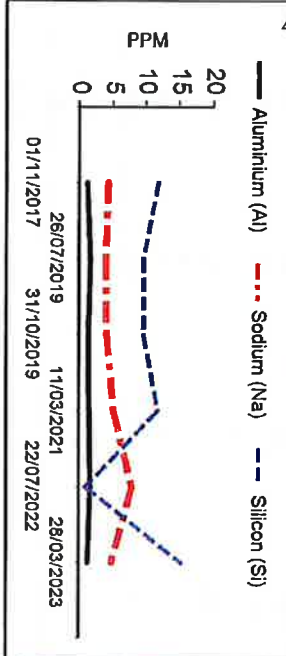
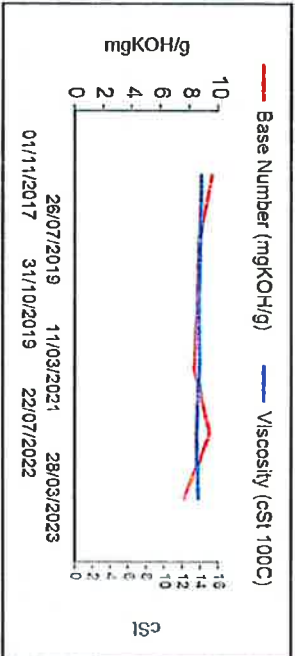
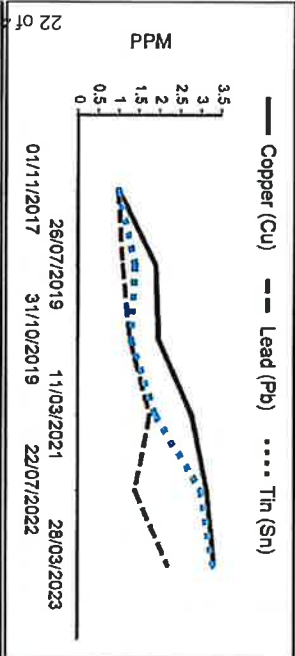
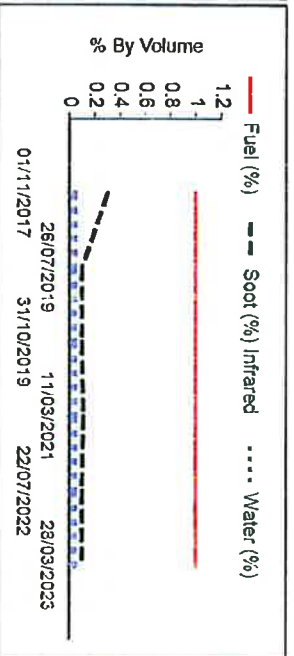
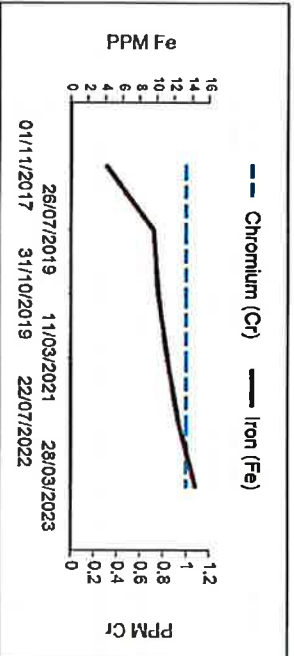
Southeast Asia
 Kuala Lumpur, Singapore

Europe
 Prague

TEST METHODS:

Acid Number: ASTM D974/D664 (TM)
 Base Number: ASTM D4739 (TM)
 Base Number (Perchloric): ASTM D2896B, back (TM)
 Fuel Dilution by GC: ASTM D7553
 Fuel Dilution Visc/Setalash In House
 Fuel Soot ATR/IR: ASTM D7666 (TM)
 Soot by FTIR: ASTM D7944
 Glycol: In House
 Metals by ICP AES: ASTM D5185 (TM)
 Ox. NOx, SOx, FTIR: ASTM E2412/D7418/D7414
 D7415
 PQ Index: ASTM D8120 (TM)
 Particle Count: ASTM D7947 (TM) / ISO 4406
 Kinematic Viscosity: ASTM D445 (TM) / D7279 (TM)
 Water KF: D6304 / E203 (TM)
 Water Crackle: In House

*M - Modified Method



Filter Image

Filter patch test is not performed Contact laboratory for more information

Since services are based on samples and information supplied by others, and since corrective actions, if any, are necessarily taken by others, these services are rendered without any warranty or liability of any kind beyond the actual amount paid to ALS Tribology for the services. Reported recommendations are based on interpretations of the generated test results and historical data. Certain test results appearing in this report may have been tested at other ALS laboratories within the Tribology divisional network.

California State University CI
 Attn: Jeff Smith
 1947 W Potrero Rd
 Camarillo CA 93012
 USA



Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 23 (MM/DD/YY) to 03 / 31 / 24 (MM/DD/YY)

A. Emission Unit Description: HX002 Per Attachment 74.15.N1			B. Pollutant: NOx
C. Measured Emission Rate: 33.2 ppmvd @ 3.0% O2	D. Limited Emission Rate: 40 ppmvd @ 3.0% O2	E. Specific Source Test or Monitoring Record Citation: PTO #1267	F. Test Date: 10/27/22

A. Emission Unit Description: HX002 Per Attachment 74.15.N1			B. Pollutant: CO
C. Measured Emission Rate: 63.0 ppmvd @ 3.0% O2	D. Limited Emission Rate: 400 ppmvd @ 3.0% O2	E. Specific Source Test or Monitoring Record Citation: PTO #1267	F. Test Date: 10/27/22

A. Emission Unit Description: HX003 Per Attachment 74.15.N1			B. Pollutant: NOx
C. Measured Emission Rate: 34.8 ppmvd @ 3.0% O2	D. Limited Emission Rate: 40 ppmvd @ 3.0% O2	E. Specific Source Test or Monitoring Record Citation: PTO #1267	F. Test Date: 10/27/22

A. Emission Unit Description: HX003 Per Attachment 74.15.N1			B. Pollutant: CO
C. Measured Emission Rate: 8.9 ppmvd @ 3.0% O2	D. Limited Emission Rate: 400 ppmvd @ 3.0% O2	E. Specific Source Test or Monitoring Record Citation: PTO #1267	F. Test Date: 10/27/22

A. Emission Unit Description:			B. Pollutant:
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:



Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 23 (MM/DD/YY) to 03 / 31 / 24 (MM/DD/YY)

A. Emission Unit Description: GE LM2500-33 Natural Gas Fired Turbine Per Attachment STRMLN1267-LM-2500-NOx,NH3			B. Pollutant: NOx
C. Measured Emission Rate: 7.3 ppmvd @ 15.0% O2	D. Limited Emission Rate: 9 ppmvd @ 15.0% O2	E. Specific Source Test or Monitoring Record Citation: PTO #1267	F. Test Date: 10/25/23

A. Emission Unit Description: GE LM2500-33 Natural Gas Fired Turbine Per Attachment STRMLN1267-LM-2500-NOx,NH3			B. Pollutant: NH3
C. Measured Emission Rate: 7.5 ppmvd @ 15.0% O2	D. Limited Emission Rate: 20 ppmvd @ 15.0% O2	E. Specific Source Test or Monitoring Record Citation: PTO #1267	F. Test Date: 10/25/23

A. Emission Unit Description:			B. Pollutant:
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:

A. Emission Unit Description:			B. Pollutant:
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:

A. Emission Unit Description:			B. Pollutant:
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:

**GE LM 2500-33 Gas Turbine Based Cogeneration Unit
Attachment STRMLN1267LM2500-NO_xNH₃**

GE LM 2500-33 Gas Turbine is subject to the permit conditions of this Attachment. Annual Compliance Certification includes the following information.

List of CEM Breakdowns

Date	Time	Description	Excess Emissions

No breakdowns this reporting period.



4830 Burr St.
 Bakersfield, CA 93308
 (661) 324-1317
 (661) 324-3310

pgtech@pacificgastech.com

C.I. Power
 Attn: Jeff Smith
 1947 W. Potrero Rd.
 Camarillo, CA 93012

Sampled: 8/29/2023
 Submitted: 8/29/2023
 Analyzed: 8/29/2023
 Reported: 9/1/2023

Gas Analysis by Chromatography - ASTM D 1945/D 3588

Company:	CI Power	Lab No.:	230460-1
Location:	Camarillo	Pressure, psi:	227.3
Description:	Cogen Fuel Gas	Temperature, °F:	108

Component	Mole %	Weight %	G/MCF		
Oxygen	ND	0.00			
Nitrogen	0.08	0.13			
Carbon Dioxide	0.82	2.13			
Hydrogen	ND	0.00			
Carbon Monoxide	ND	0.00			
Methane	94.68	89.69			
Ethane	4.22	7.49			
Propane	0.17	0.45	0.048		
iso-Butane	ND	0.00	0.000		
n-Butane	0.03	0.10	0.009		
iso-Pentane	ND	0.00	0.000		
n-Pentane	ND	0.00	0.000		
Hexanes Plus	ND	0.00	0.000		
Totals	100.00	100.00	0.057		
Specific Volume, ft ³ /lb	22.41				
Compressibility (Z) Factor	0.9978				
		Values Corrected for Compressibility	CHONS	Weight %	
Specific Gravity, Calculated	0.5847	0.5858	Carbon	74.168	
			Hydrogen	24.147	
GROSS	LHV	HHV	Oxygen	1.551	
BTU/ft3	Dry	1036.2	1038.5	Nitrogen	0.133
	Wet	1018.1	1020.3	Sulfur	0.000
BTU/lb	Dry	23219.7	23270.9		
BTU/lb	Wet	22813.4	22863.6	F FACTOR @	8624
NET				68 deg F, dscf/MMBTU	
BTU/ft3	Dry	934.2	936.3	F FACTOR @	8494
	Wet	917.8	919.9	60 deg F, dscf/MMBTU	
BTU/lb	Dry	20933.2	20979.3		
BTU/lb	Wet	20566.9	20612.2		
Total Sulfur as Hydrogen Sulfide, ppm		2.62	Method	ASTM D3246	
Total Sulfur as H ₂ S, gr/100scf @68°F		0.162	Method	ASTM D3246	
Dew Point, deg F		Not Tested	Method	Bureau of Mines	
Molecular Weight		16.94			

ND : None Detected

Tr : Trace

**CI POWER COGENERATION PLANT
ROLLING TWELVE-MONTH EMISSIONS CALCULATIONS**

1. GE LM-2500-33 GAS TURBINE (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	0.00	0.00	6.74	20.92	32.72	1.05	1.74	7.37	0.00	0.00	0.00	0.00
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	0.00	0.00	95.36	296.07	462.92	14.82	24.68	104.27	0.00	0.00	0.00	0.00
NOx	0	0	123.08	421.31	554.39	22.22	38.83	286.4	0	0	0	0
PM	0.00	0.00	4.11	12.64	19.56	6.39	10.64	44.95	0.00	0.00	0.00	0.00
SOx	0.00	0.00	4.04	12.55	19.63	0.63	1.05	4.42	0.00	0.00	0.00	0.00
CO	0.00	0.00	356.02	1105.41	1728.33	55.31	92.15	389.30	0.00	0.00	0.00	0.00
NH3 Usage (MMCF)	0.000	0.000	6.149	25.834	33.809	1.226	2.483	7.699	0.000	0.000	0.000	0.000

GE LM-2500-33 GAS TURBINE			EMISSION FACTORS		
EMISSION SUBTOTALS			GAS	FUEL OIL	
70.54	MMCF		LBS/MMCF	LBS/MGAL	
0.00	MMCF				
998.12	LBS	0.50 TONS	14.15	1.94	
1446.23	LBS	0.72 TONS	CEM1	CEM1	
430.28	LBS	0.22 TONS	6.10	3.10	
42.32	LBS	0.02 TONS	0.60	24.41	
3726.54	LBS	1.86 TONS	52.83	4.45	

2. BABCOCK & WILCOX STEAM BOILERS (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	0.010	0.010	3.237	4.577	4.166	4.788	4.895	4.524	0.000	0.000	0.000	0.000
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	0.14	0.13	43.54	61.56	56.03	64.40	65.84	60.85	0.00	0.00	0.00	0.00
NOx	0.53	0.50	164.89	233.15	212.22	243.90	249.35	230.45	0.00	0.00	0.00	0.00
PM	0.08	0.07	24.60	34.79	31.66	36.39	37.20	34.38	0.00	0.00	0.00	0.00
SOx	0.01	0.01	1.94	2.75	2.50	2.87	2.94	2.71	0.00	0.00	0.00	0.00
CO	3.20	3.04	1003.47	1418.87	1291.46	1484.28	1517.45	1402.44	0.00	0.00	0.00	0.00

BABCOCK & WILCOX BOILERS			EMISSION FACTORS		
EMISSION SUBTOTALS			GAS	FUEL OIL	
26.21	MMCF		LBS/MMCF	LBS/MGAL	
0.00	MMCF				
352.49	LBS	0.18 TONS	13.45	1.60	
1334.99	LBS	0.67 TONS	50.94	20.74	
199.17	LBS	0.10 TONS	7.60	2.00	
15.72	LBS	0.01 TONS	0.60	24.41	
8124.21	LBS	4.06 TONS	310.00	43.92	

REFERENCE: Annual Emission Limits and Emission Factors from Title V Permit Attachment PO1267PC2

PERMITTED CONDITIONS (PER YEAR)	ROC	NOx	PM	SOx	CO
	14.88 TONS	33.38 TONS	8.73 TONS	25.01 TONS	57.59 TONS
EMISSION TOTALS	1350.60 LBS	0.68 TONS	2781.22 LBS	1.39 TONS	629.46 LBS
	0.31 TONS	0.03 TONS	58.05 LBS	0.03 TONS	11850.75 LBS
	5.93 TONS				

3. EMERGENCY GENERATOR OPERATING HOURS. (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Maintenance	0.50	0.30	0.30	0.30	0.20	0.30	0.30	0.30	0.40	0.00	0.50	0.70
Emergency	0.00	0.00	0.00	0.00	0.00	6.70	0.00	0.00	0.00	0.00	0.00	0.00

TOTAL HOURS
4.10 HOURS
6.70 HOURS

REFERENCE: Airborne Toxic Control Measure For Stationary Compression Engines. Attachment ATCM In-Use Emergency Engines.

PERMITTED LIMITS	HOURS
Maintenance	20.00 HOURS
Emergency	N/A HOURS

**CI POWER COGENERATION PLANT
ROLLING TWELVE-MONTH EMISSIONS CALCULATIONS**

1. GE LM-2500-33 GAS TURBINE (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	0.00	6.74	20.92	32.72	1.05	1.74	7.37	0.00	0.00	0.00	0.00	0.00
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	0.00	95.36	296.07	462.92	14.82	24.68	104.27	0.00	0.00	0.00	0.00	0.00
NOx	0	123.08	421.31	554.39	22.22	38.83	286.4	0	0	0	0	0
PM	0.00	4.111	127.64	199.56	6.39	10.64	44.95	0.00	0.00	0.00	0.00	0.00
SOx	0.00	4.04	12.55	19.63	0.63	1.05	4.42	0.00	0.00	0.00	0.00	0.00
CO	0.000	356.02	1105.41	1728.33	55.31	92.15	389.30	0.00	0.00	0.00	0.00	0.000
NH3 Usage (MMCF)	0.0000	6.149	25.834	33.809	1.226	2.483	7.699	0.000	0.000	0.000	0.000	0.000

GE LM-2500-33 GAS TURBINE			EMISSION FACTORS	
EMISSION SUBTOTALS			GAS	FUEL OIL
70.54	MMCF	0.50 TONS	LBS/MMCF	LBS/MGAL
0.00	MMCF	0.22 TONS	14.15	1.84
988.12	LBS	0.72 TONS	CEM	CEM
1446.23	LBS	0.22 TONS	6.10	3.10
430.28	LBS	0.02 TONS	0.60	24.41
42.32	LBS	1.88 TONS	52.83	4.45

2. BABCOCK & WILCOX STEAM BOILERS (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	0.010	3.237	4.577	4.166	4.788	4.895	4.524	0.000	0.000	0.000	0.000	0.000
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	0.13	43.54	61.56	56.03	64.40	65.84	60.85	0.00	0.00	0.00	0.00	0.00
NOx	0.50	164.89	233.15	212.22	243.90	249.35	230.45	0.00	0.00	0.00	0.00	0.00
PM	0.07	24.60	34.79	31.66	36.39	37.20	34.38	0.00	0.00	0.00	0.00	0.00
SOx	0.01	1.94	2.75	2.50	2.87	2.94	2.71	0.00	0.00	0.00	0.00	0.00
CO	3.04	1003.47	1418.87	1291.46	1484.28	1517.45	1402.44	0.00	0.00	0.00	0.00	0.00

BABCOCK & WILCOX BOILERS			
EMISSION SUBTOTALS		EMISSION FACTORS	
26.20	MMCF	GAS	FUEL OIL
0.00	MMCF	LBS/MMCF	LBS/MGAL
352.35	LBS	13.45	1.80
1394.46	LBS	0.67 TONS	50.94
199.10	LBS	0.10 TONS	7.60
15.72	LBS	0.01 TONS	0.60
8121.01	LBS	4.06 TONS	310.00

PERMITTED CONDITIONS (PER YEAR)
ROC
NOx
PM
SOx
CO

EMISSION TOTALS

1350.46	LBS	0.68 TONS
2780.69	LBS	1.39 TONS
629.38	LBS	0.31 TONS
58.04	LBS	0.03 TONS
11847.55	LBS	5.92 TONS

1350.46	LBS	0.68 TONS
2780.69	LBS	1.39 TONS
629.38	LBS	0.31 TONS
58.04	LBS	0.03 TONS
11847.55	LBS	5.92 TONS

REFERENCE: Annual Emission Limits and Emission Factors from Title V Permit
Attachment PO1267PC2

3. EMERGENCY GENERATOR OPERATING HOURS. (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Maintenance	0.30	0.30	0.30	0.20	0.30	0.30	0.30	0.40	0.00	0.50	0.70	0.00
Emergency	0.00	0.00	0.00	0.00	6.70	0.00	0.00	0.00	0.00	0.00	0.00	48.20

TOTAL HOURS
3.60 HOURS
54.90 HOURS

REFERENCE: Airborne Toxic Control Measure For Stationary Compression Engines.
Attachment ATCM In-Use Emergency Engines

PERMITTED LIMITS	
Maintenance	20.00 HOURS
Emergency	N/A HOURS

**CI POWER COGENERATION PLANT
ROLLING TWELVE-MONTH EMISSIONS CALCULATIONS**

1. GE LM-2500-33 GAS TURBINE (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	6.74	20.92	32.72	1.05	1.74	7.37	0.00	0.00	0.00	0.00	0.00	2.56
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	95.36	296.07	462.92	14.82	24.66	104.27	0.00	0.00	0.00	0.00	0.00	36.24
NOx	123.08	421.31	554.39	22.22	38.83	286.4	0	0	0	0	0	56.45
PM	41.11	127.64	199.56	6.39	10.64	44.95	0.00	0.00	0.00	0.00	0.00	15.62
SOx	4.04	12.55	19.63	0.63	1.05	4.42	0.00	0.00	0.00	0.00	0.00	1.54
CO	356.02	1105.41	1728.33	55.31	92.15	389.30	0.00	0.00	0.00	0.00	0.00	135.30
NH3 Usage (MMCF)	6.149	25.834	33.809	1.226	2.483	7.699	0.000	0.000	0.000	0.000	0.000	3.750

GE LM-2500-33 GAS TURBINE		
EMISSION SUBTOTALS	EMISSION FACTORS	
73.10 MMCF	GAS	FUEL OIL
0.00 MMCF	LBS/MMCF	LBS/MMCF
1034.36 LBS	0.52 TONS	14.15
1502.68 LBS	0.75 TONS	1.34
445.91 LBS	0.22 TONS	6.10
43.86 LBS	0.02 TONS	0.60
3861.94 LBS	1.93 TONS	52.83
		4.45

2. BABCOCK & WILCOX STEAM BOILERS (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	3.237	4.577	4.166	4.788	4.895	4.524	0.000	0.000	0.000	0.000	0.000	0.245
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	43.54	61.56	56.03	64.40	65.84	60.85	0.00	0.00	0.00	0.00	0.00	3.30
NOx	164.89	233.15	212.22	243.90	249.35	230.45	0.00	0.00	0.00	0.00	0.00	12.50
PM	24.60	34.79	31.66	36.39	37.20	34.38	0.00	0.00	0.00	0.00	0.00	1.86
SOx	1.94	2.75	2.50	2.87	2.94	2.71	0.00	0.00	0.00	0.00	0.00	0.15
CO	1003.47	1418.87	1291.46	1484.28	1517.45	1402.44	0.00	0.00	0.00	0.00	0.00	76.06

BABCOCK & WILCOX BOILERS		
EMISSION SUBTOTALS	EMISSION FACTORS	
26.43 MMCF	GAS	FUEL OIL
0.00 MMCF	LBS/MMCF	LBS/MMCF
355.52 LBS	0.18 TONS	13.45
1346.46 LBS	0.67 TONS	50.94
200.89 LBS	0.10 TONS	7.60
15.88 LBS	0.01 TONS	0.60
8194.03 LBS	4.10 TONS	310.00
		43.92

REFERENCE: Annual Emission Limits and Emission Factors from Title V Permit Attachment PO1267/PC

PERMITTED CONDITIONS (PER YEAR)
ROC 14.88 TONS
NOx 33.38 TONS
PM 8.73 TONS
SOx 25.01 TONS
CO 57.59 TONS

EMISSION TOTALS
ROC 1389.87 LBS 0.69 TONS
NOx 2849.14 LBS 1.42 TONS
PM 646.79 LBS 0.32 TONS
SOx 59.72 LBS 0.03 TONS
CO 12055.87 LBS 6.03 TONS

3. EMERGENCY GENERATOR OPERATING HOURS. (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Maintenance	0.30	0.30	0.20	0.30	0.30	0.30	0.40	0.00	0.50	0.70	0.00	0.30
Emergency	0.00	0.00	0.00	6.70	0.00	0.00	0.00	0.00	0.00	0.00	48.20	0.00

TOTAL HOURS
3.60 HOURS
54.90 HOURS

REFERENCE: Airborne Toxic Control Measure For Stationary Compression Engines, Attachment ATCM In-Use Emergency Engines

PERMITTED LIMITS
Maintenance 20.00 HOURS
Emergency N/A HOURS

**CI POWER COGENERATION PLANT
ROLLING TWELVE-MONTH EMISSIONS CALCULATIONS**

1. GE LM-2500-33 GAS TURBINE (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	20.92	32.72	1.05	1.74	7.37	0.00	0.00	0.00	0.00	0.00	2.56	0.00
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	296.07	462.92	14.62	24.66	104.27	0.00	0.00	0.00	0.00	0.00	36.24	0.00
NOx	421.31	554.39	22.22	38.83	286.4	0	0	0	0	0	56.45	0
PM	127.64	199.56	6.39	10.64	44.95	0.00	0.00	0.00	0.00	0.00	15.62	0.00
SOx	12.55	19.63	0.63	1.05	4.42	0.00	0.00	0.00	0.00	0.00	1.84	0.00
CO	1105.41	1728.33	55.31	92.15	389.30	0.00	0.00	0.00	0.00	0.00	135.30	0.00
NH3 Usage (MMCF)	25.834	33.809	1.226	2.483	7.699	0.000	0.000	0.000	0.000	0.000	3.750	0.000

EMISSION SUBTOTALS		EMISSION FACTORS	
		GAS	FUEL OIL
		LBS/MMCF	LBS/MGAL
Fuel Gas	66.36 MMCF	0.47 TONS	1.84
Fuel Oil	0.00 MMCF	0.69 TONS	1.84
ROC	939.00 LBS	0.20 TONS	3.10
NOx	1379.60 LBS	0.60 TONS	24.41
PM	404.80 LBS	0.20 TONS	24.41
SOx	39.82 LBS	0.02 TONS	4.45
CO	3505.82 LBS	1.75 TONS	4.45

2. BABCOCK & WILCOX STEAM BOILERS (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	4.577	4.166	4.788	4.895	4.524	0.000	0.000	0.000	0.000	0.000	0.245	0.000
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	61.56	56.03	64.40	65.84	60.85	0.00	0.00	0.00	0.00	0.00	3.30	0.00
NOx	233.15	212.22	243.90	249.35	230.45	0.00	0.00	0.00	0.00	0.00	12.50	0.00
PM	34.79	31.66	36.39	37.20	34.38	0.00	0.00	0.00	0.00	0.00	1.66	0.00
SOx	2.75	2.50	2.87	2.94	2.71	0.00	0.00	0.00	0.00	0.00	0.15	0.00
CO	1418.87	1291.46	1484.26	1517.45	1402.44	0.00	0.00	0.00	0.00	0.00	76.06	0.00

EMISSION SUBTOTALS		EMISSION FACTORS	
		GAS	FUEL OIL
		LBS/MMCF	LBS/MGAL
Fuel Gas	23.20 MMCF	0.16 TONS	1.60
Fuel Oil	0.00 MMCF	0.59 TONS	20.74
ROC	311.98 LBS	0.09 TONS	2.00
NOx	1181.57 LBS	0.01 TONS	24.41
PM	176.28 LBS	0.01 TONS	43.92
SOx	13.92 LBS	0.01 TONS	43.92
CO	7190.56 LBS	3.60 TONS	43.92

PERMITTED CONDITIONS (PER YEAR)
ROC
NOx
PM
SOx
CO

PERMITTED LIMITS
14.88 TONS
33.38 TONS
8.73 TONS
25.01 TONS
57.59 TONS

EMISSION TOTALS
1250.98 LBS
2561.17 LBS
581.08 LBS
53.73 LBS
10896.38 LBS

REFERENCE: Annual Emission Limits and Emission Factors from Title V Permit Attachment PO1267PC2

3. EMERGENCY GENERATOR OPERATING HOURS. (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Maintenance	0.30	0.20	0.30	0.30	0.30	0.40	0.00	0.50	0.70	0.00	0.30	0.30
Emergency	0.00	0.00	6.70	0.00	0.00	0.00	0.00	0.00	0.00	48.20	0.00	0.00

TOTAL HOURS
3.60 HOURS
54.90 HOURS

REFERENCE: Airborne Toxic Control Measure For Stationary Compression Engines. Attachment ATCM In-Use Emergency Engines.

PERMITTED LIMITS
20.00 HOURS
N/A HOURS

**CI POWER COGENERATION PLANT
ROLLING TWELVE-MONTH EMISSIONS CALCULATIONS**

1. GE LM-2500-33 GAS TURBINE (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	32.72	1.05	1.74	7.37	0.00	0.00	0.00	0.00	0.00	2.56	0.00	0.00
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	462.92	14.82	24.68	104.27	0.00	0.00	0.00	0.00	0.00	36.24	0.00	0.00
NOx	554.39	22.22	38.83	286.4	0	0	0	0	0	56.45	0	0
PM	199.56	6.39	10.64	44.95	0.00	0.00	0.00	0.00	0.00	15.62	0.00	0.00
SOx	19.63	0.63	1.05	4.42	0.00	0.00	0.00	0.00	0.00	1.54	0.00	0.00
CO	1728.33	55.31	92.15	389.30	0.00	0.00	0.00	0.00	0.00	135.30	0.00	0.00
NH3 Usage (MMCF)	33.809	1.226	2.483	7.699	0.000	0.000	0.000	0.000	0.000	3.750	0.000	0.000

GE LM-2500-33 GAS TURBINE		
EMISSION SUBTOTALS		EMISSION FACTORS
		GAS FUEL OIL LBS/MMCF LBS/MGAL
45.44	MMCF	0.32 TONS
0.00	MMCF	14.15
642.92	LBS	1.84
958.29	LBS	0.48 TONS
277.16	LBS	0.14 TONS
27.26	LBS	0.01 TONS
2400.40	LBS	0.60
		52.83
		4.45

2. BABCOCK & WILCOX STEAM BOILERS (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	4.166	4.788	4.895	4.524	0.000	0.000	0.000	0.000	0.000	0.245	0.000	0.000
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	56.03	64.40	65.84	60.85	0.00	0.00	0.00	0.00	0.00	3.30	0.00	0.00
NOx	212.22	243.90	249.35	230.45	0.00	0.00	0.00	0.00	0.00	12.50	0.00	0.00
PM	31.66	36.39	37.20	34.36	0.00	0.00	0.00	0.00	0.00	1.86	0.00	0.00
SOx	2.50	2.87	2.94	2.71	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00
CO	1291.46	1484.28	1517.45	1402.44	0.00	0.00	0.00	0.00	0.00	76.06	0.00	0.00

BABCOCK & WILCOX BOILERS		
EMISSION SUBTOTALS		EMISSION FACTORS
		GAS FUEL OIL LBS/MMCF LBS/MGAL
18.62	MMCF	0.13 TONS
0.00	MMCF	13.45
250.42	LBS	1.60
948.42	LBS	0.47 TONS
141.50	LBS	50.94
11.17	LBS	7.60
5771.89	LBS	0.07 TONS
		0.60
		24.4
		2.89 TONS
		310.00
		43.92

REFERENCE: Annual Emission Limits and Emission Factors from Title V Permit Attachment PO1267PC2

PERMITTED CONDITIONS (PER YEAR)	ROC	NOx	PM	SOx	CO
	14.88 TONS	33.38 TONS	8.73 TONS	25.01 TONS	57.59 TONS
	893.34 LBS	0.45 TONS	1906.71 LBS	0.95 TONS	418.66 LBS
	0.95 TONS	0.21 TONS	38.43 LBS	0.02 TONS	8172.09 LBS
	4.09 TONS				

3. EMERGENCY GENERATOR OPERATING HOURS. (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Maintenance	0.20	0.30	0.30	0.30	0.40	0.00	0.50	0.70	0.00	0.30	0.30	0.30
Emergency	0.00	6.70	0.00	0.00	0.00	0.00	0.00	0.00	48.20	0.00	0.00	0.00

TOTAL HOURS
3.60 HOURS
54.90 HOURS

REFERENCE: Airborne Toxic Control Measure For Stationary Compression Engines, Attachment ATCM In-Use Emergency Engines

PERMITTED LIMITS	HOURS
Maintenance	20.00 HOURS
Emergency	N/A HOURS

CI POWER COGENERATION PLANT ROLLING TWELVE-MONTH EMISSIONS CALCULATIONS

1. GE LM-2500-33 GAS TURBINE (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	1.05	1.74	7.37	0.00	0.00	0.00	0.00	0.00	2.56	0.00	0.00	0.00
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	14.82	24.68	104.27	0.00	0.00	0.00	0.00	0.00	36.24	0.00	0.00	0.00
NOx	22.22	38.83	286.4	0	0	0	0	0	56.45	0	0	0.00
PM	6.39	10.64	44.95	0.00	0.00	0.00	0.00	0.00	15.62	0.00	0.00	0.00
SOx	0.63	1.05	4.42	0.00	0.00	0.00	0.00	0.00	1.54	0.00	0.00	0.00
CO	55.31	92.15	389.30	0.00	0.00	0.00	0.00	0.00	135.30	0.00	0.00	0.00
NH3 Usage (MMCF)	1.226	2.483	7.699	0.000	0.000	0.000	0.000	0.000	3.750	0.000	0.000	0.000

GE LM-2500-33 GAS TURBINE		
EMISSION SUBTOTALS		EMISSION FACTORS
12.72	MMCF	GAS
0.00	MMCF	FUEL OIL
180.01	LBS	LBS/MMCF
403.90	LBS	LBS/MGAL
77.60	LBS	CEM
7.63	LBS	CEM
672.07	LBS	CEM
		0.34 TONS
		52.83
		4.45

2. BABCOCK & WILCOX STEAM BOILERS (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	4.788	4.896	4.524	0.000	0.000	0.000	0.000	0.000	0.245	0.000	0.000	0.000
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	64.40	65.84	60.55	0.00	0.00	0.00	0.00	0.00	3.30	0.00	0.00	0.00
NOx	243.90	249.35	230.45	0.00	0.00	0.00	0.00	0.00	12.50	0.00	0.00	0.00
PM	36.39	37.20	34.38	0.00	0.00	0.00	0.00	0.00	1.86	0.00	0.00	0.00
SOx	2.87	2.94	2.71	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00
CO	1484.28	1517.45	1402.44	0.00	0.00	0.00	0.00	0.00	76.06	0.00	0.00	0.00

BABCOCK & WILCOX BOILERS		
EMISSION SUBTOTALS		EMISSION FACTORS
14.45	MMCF	GAS
0.00	MMCF	FUEL OIL
194.38	LBS	LBS/MMCF
736.20	LBS	LBS/MGAL
109.84	LBS	CEM
8.67	LBS	CEM
4480.23	LBS	CEM
		0.10 TONS
		13.45
		1.80
		50.94
		7.60
		0.60
		24.41
		310.00
		43.92

PERMITTED CONDITIONS (PER YEAR)
ROC
NOx
PM
SOx
CO

14.88 TONS
33.38 TONS
8.73 TONS
25.01 TONS
57.59 TONS

EMISSION TOTALS	
374.39	LBS
1140.10	LBS
187.44	LBS
16.30	LBS
5162.30	LBS
	0.19 TONS
	0.57 TONS
	0.09 TONS
	0.01 TONS
	2.58 TONS

REFERENCE: Annual Emission Limits and Emission Factors from Title V Permit Attachment PO1267/PC2

3. EMERGENCY GENERATOR OPERATING HOURS. (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Maintenance	0.30	0.30	0.30	0.40	0.00	0.50	0.70	0.00	0.30	0.30	0.30	0.20
Emergency	6.70	0.00	0.00	0.00	0.00	0.00	0.00	48.20	0.00	0.00	0.00	0.00

TOTAL HOURS	
3.60	HOURS
54.90	HOURS

REFERENCE: Airborne Toxic Control Measure For Stationary Compression Engines, Attachment ATCM In-Use Emergency Engines

PERMITTED LIMITS	
20.00	HOURS
N/A	HOURS

CI POWER COGENERATION PLANT ROLLING TWELVE-MONTH EMISSIONS CALCULATIONS

1. GE LM-2500-33 GAS TURBINE (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	1.74	7.37	0.00	0.00	0.00	0.00	0.00	2.56	0.00	0.00	0.00	2.48
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	24.66	104.27	0.00	0.00	0.00	0.00	0.00	36.24	0.00	0.00	0.00	35.03
NOx	38.83	286.4	0	0	0	0	0	56.45	0	0	0	56.713
PM	10.64	44.95	0.00	0.00	0.00	0.00	0.00	15.62	0.00	0.00	0.00	15.10
SOx	1.05	4.42	0.00	0.00	0.00	0.00	0.00	1.54	0.00	0.00	0.00	1.49
CO	92.15	389.30	0.00	0.00	0.00	0.00	0.00	135.30	0.00	0.00	0.00	130.80
NH3 Usage (MMCF)	2.483	7.699	0.000	0.000	0.000	0.000	0.000	3.750	0.000	0.000	0.000	3.867

GE LM-2500-33 GAS TURBINE		EMISSION FACTORS	
EMISSION SUBTOTALS		EMISSION FACTORS	
		GAS	FUEL OIL
14.15	MMCF		
0.00	MMCF		
200.22	LBS	0.10 TONS	1.84
438.39	LBS	0.22 TONS	
86.32	LBS	0.04 TONS	3.10
8.49	LBS	0.00 TONS	24.41
747.55	LBS	0.37 TONS	4.45

2. BABCOCK & WILCOX STEAM BOILERS (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	4.895	4.524	0.000	0.000	0.000	0.000	0.000	0.245	0.000	0.000	0.000	0.652
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	65.84	60.85	0.00	0.00	0.00	0.00	0.00	3.30	0.00	0.00	0.00	8.77
NOx	249.35	230.45	0.00	0.00	0.00	0.00	0.00	12.50	0.00	0.00	0.00	33.21
PM	37.20	34.38	0.00	0.00	0.00	0.00	0.00	1.86	0.00	0.00	0.00	4.95
SOx	2.94	2.71	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.39
CO	1517.45	1402.44	0.00	0.00	0.00	0.00	0.00	76.06	0.00	0.00	0.00	202.10

BABCOCK & WILCOX BOILERS		EMISSION FACTORS	
EMISSION SUBTOTALS		EMISSION FACTORS	
		GAS	FUEL OIL
10.32	MMCF		
0.00	MMCF		
138.75	LBS	0.07 TONS	1.60
525.51	LBS	0.26 TONS	20.74
78.40	LBS	0.04 TONS	2.00
6.19	LBS	0.00 TONS	24.41
3198.06	LBS	1.60 TONS	43.52

REFERENCE: Annual Emission Limits and Emission Factors from Title V Permit Attachment PO1267PC2

	PERMITTED CONDITIONS (PER YEAR)
ROC	14.88 TONS
NOx	33.38 TONS
PM	8.73 TONS
SOx	25.01 TONS
CO	57.59 TONS

	EMISSION TOTALS
ROC	338.98 LBS
NOx	963.91 LBS
PM	164.72 LBS
SOx	14.68 LBS
CO	3945.61 LBS

3. EMERGENCY GENERATOR OPERATING HOURS. (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Maintenance	0.30	0.30	0.40	0.00	0.50	0.70	0.00	0.30	0.30	0.30	0.20	0.30
Emergency	0.00	0.00	0.00	0.00	0.00	0.00	48.20	0.00	0.00	0.00	0.00	0.00

TOTAL HOURS
3.60 HOURS
48.20 HOURS

REFERENCE: Airborne Toxic Control Measure For Stationary Compression Engines. Attachment ATCM In-Use Emergency Engines

	PERMITTED LIMITS
Maintenance	20.00 HOURS
Emergency	N/A HOURS

CI POWER COGENERATION PLANT ROLLING TWELVE-MONTH EMISSIONS CALCULATIONS

1. GE LM-2500-33 GAS TURBINE (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	7.37	0.00	0.00	0.00	0.00	0.00	2.56	0.00	0.00	0.00	2.48	0.00
Fuel Oil (Mgal)	0	0	0	0	0	0	36.24	0.00	0.00	0.00	35.03	0.00
ROC	104.27	0.00	0.00	0.00	0.00	0	56.45	0	0	0	56.713	0
NOx	286.4	0	0	0	0	0	15.62	0.00	0.00	0.00	15.10	0.00
PM	44.95	0.00	0.00	0.00	0.00	0.00	1.54	0.00	0.00	0.00	1.49	0.00
SOx	4.42	0.00	0.00	0.00	0.00	0.00	135.30	0.00	0.00	0.00	130.80	0.00
CO	389.30	0.00	0.00	0.00	0.00	0.00	3,750	0.00	0.00	0.00	3,867	0.00
NH3 Usage (MMCF)	7.899	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

GE LM-2500-33 GAS TURBINE		EMISSION FACTORS	
EMISSION SUBTOTALS		EMISSION FACTORS	
		GAS	FUEL OIL
12.41	MMCF		
0.00	MMCF	LBS/MMCF	LBS/MGAL
175.54	LBS	0.09	TONS
399.56	LBS	0.20	TONS
75.68	LBS	0.04	TONS
7.44	LBS	0.00	TONS
655.40	LBS	0.33	TONS

2. BABCOCK & WILCOX STEAM BOILERS (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	4.524	0.000	0.000	0.000	0.000	0.000	0.245	0.000	0.000	0.000	0.652	0.000
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	60.85	0.00	0.00	0.00	0.00	0.00	3.30	0.00	0.00	0.00	8.77	0.00
NOx	230.45	0.00	0.00	0.00	0.00	0.00	12.50	0.00	0.00	0.00	33.21	0.00
PM	34.38	0.00	0.00	0.00	0.00	0.00	1.86	0.00	0.00	0.00	4.95	0.00
SOx	2.71	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.39	0.00	0.00
CO	1402.44	0.00	0.00	0.00	0.00	0.00	76.06	0.00	0.00	0.00	202.10	0.00

BABCOCK & WILCOX BOILERS		EMISSION FACTORS	
EMISSION SUBTOTALS		EMISSION FACTORS	
		GAS	FUEL OIL
5.42	MMCF		
0.00	MMCF	LBS/MMCF	LBS/MGAL
72.92	LBS	0.04	TONS
276.16	LBS	0.14	TONS
41.20	LBS	0.02	TONS
3.25	LBS	0.00	TONS
1680.61	LBS	0.84	TONS

REFERENCE: Annual Emission Limits and Emission Factors from Title V Permit Attachment PO1267/PC2

PERMITTED CONDITIONS (PER YEAR)	
ROC	14.88 TONS
NOx	33.38 TONS
PM	8.73 TONS
SOx	25.01 TONS
CO	57.59 TONS

EMISSION TOTALS		
ROC	248.46 LBS	0.12 TONS
NOx	675.72 LBS	0.34 TONS
PM	116.89 LBS	0.06 TONS
SOx	10.70 LBS	0.01 TONS
CO	2336.01 LBS	1.17 TONS

3. EMERGENCY GENERATOR OPERATING HOURS. (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Maintenance	0.30	0.40	0.00	0.50	0.70	0.00	0.30	0.30	0.30	0.20	0.30	0.30
Emergency	0.00	0.00	0.00	0.00	0.00	48.20	0.00	0.00	0.00	0.00	0.00	0.00

TOTAL HOURS	
Maintenance	3.60 HOURS
Emergency	48.20 HOURS

REFERENCE: Airborne Toxic Control Measure For Stationary Compression Engines. Attachment ATCM In-Use Emergency Engines

PERMITTED LIMITS	
Maintenance	20.00 HOURS
Emergency	N/A HOURS

**CI POWER COGENERATION PLANT
ROLLING TWELVE-MONTH EMISSIONS CALCULATIONS**

1. GE LM-2500-33 GAS TURBINE (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12	EMISSION FACTORS	
	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	EMISSION SUBTOTALS	GAS FUEL OIL LBS/MMCF
Fuel Gas (MMCF)	0.00	0.00	0.00	0.00	0.00	2.56	0.00	0.00	0.00	0.00	2.48	0.00	5.04	14.15
Fuel Oil (Mgal)	0	0	0	0	0	36.24	0	0	0	35.03	0.00	0.00	71.27	1.84
ROC	0.00	0.00	0.00	0.00	0.00	56.45	0	0	0	56.713	0	0.00	113.16	3.10
NOx	0.00	0.00	0.00	0.00	0.00	15.62	0.00	0.00	0.00	15.10	0.00	0.00	30.72	6.10
PM	0.00	0.00	0.00	0.00	0.00	1.54	0.00	0.00	0.00	1.49	0.00	0.00	3.02	0.60
SOx	0.00	0.00	0.00	0.00	0.00	135.30	0.00	0.00	0.00	130.80	0.00	0.00	266.10	52.83
CO	0.00	0.00	0.00	0.00	0.00	3.750	0.00	0.00	0.00	3.867	0.00	0.00	286.10	4.45
NH3 Usage (MMCF)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		

2. BABCOCK & WILCOX STEAM BOILERS (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12	EMISSION FACTORS	
	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	EMISSION SUBTOTALS	GAS FUEL OIL LBS/MMCF
Fuel Gas (MMCF)	0.000	0.000	0.000	0.000	0.000	0.245	0.000	0.000	0.000	0.652	0.000	0.000	0.90	13.45
Fuel Oil (Mgal)	0	0	0	0	0	3.30	0.00	0.00	0.00	8.77	0.00	0.00	12.07	1.60
ROC	0.00	0.00	0.00	0.00	0.00	12.50	0.00	0.00	0.00	33.21	0.00	0.00	45.71	20.74
NOx	0.00	0.00	0.00	0.00	0.00	1.86	0.00	0.00	0.00	4.95	0.00	0.00	6.82	2.00
PM	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.39	0.00	0.00	0.54	0.60
SOx	0.00	0.00	0.00	0.00	0.00	76.06	0.00	0.00	0.00	202.10	0.00	0.00	278.17	310.00
CO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		43.92

REFERENCE: Annual Emission Limits and Emission Factors from Title V Permit Attachment PO1267PC2

PERMITTED CONDITIONS (PER YEAR)	ROC	NOx	PM	SOx	CO
	14.88 TONS	33.38 TONS	8.73 TONS	25.01 TONS	57.59 TONS

EMISSION TOTALS	ROC	NOx	PM	SOx	CO
	83.34 LBS	158.87 LBS	37.54 LBS	3.56 LBS	544.26 LBS

3. EMERGENCY GENERATOR OPERATING HOURS. (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL HOURS
	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	
Maintenance	0.40	0.00	0.50	0.70	0.00	0.30	0.30	0.30	0.20	0.30	0.30	0.20	3.50 HOURS
Emergency	0.00	0.00	0.00	0.00	48.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.20 HOURS

REFERENCE: Airborne Toxic Control Measure For Stationary Compression Engines, Attachment ATCM In-Use Emergency Engines

PERMITTED LIMITS	MAINTENANCE HOURS	EMERGENCY HOURS
	20.00	N/A

CI POWER COGENERATION PLANT ROLLING TWELVE-MONTH EMISSIONS CALCULATIONS

1. GE LM-2500-33 GAS TURBINE (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Feb-23	0.00	0.00	0.00	0.00	2.56	0.00	0.00	0.00	2.48	0.00	0.00	0.00
Mar-23	0	0	0	0	0	0	0	0	0	0	0	0
Apr-23	0.00	0.00	0.00	0.00	36.24	0.00	0.00	0.00	35.03	0.00	0.00	0.00
May-23	0	0	0	0	56.45	0	0	0	56.713	0	0	0
Jun-23	0.00	0.00	0.00	0.00	15.62	0.00	0.00	0.00	15.10	0.00	0.00	0.00
Jul-23	0.00	0.00	0.00	0.00	1.54	0.00	0.00	0.00	1.49	0.00	0.00	0.00
Aug-23	0.00	0.00	0.00	0.00	135.30	0.00	0.00	0.00	130.80	0.00	0.00	0.00
Sep-23	0.000	0.000	0.000	0.000	3.750	0.000	0.000	0.000	3.867	0.000	0.000	0.000
Oct-23												
Nov-23												
Dec-23												
Jan-24												

GE LM-2500-33 GAS TURBINE		EMISSION FACTORS	
EMISSION SUBTOTALS		EMISSION FACTORS	
		GAS	FUEL OIL
5.04	MMCF		
0.00	MMCF		
71.27	LBS	14.15	1.84
113.16	LBS	0.06	TONS
30.72	LBS	6.10	CEM
3.02	LBS	0.02	TONS
266.10	LBS	0.80	CEM
		0.60	TONS
		52.83	CEM
		4.45	CEM

2. BABCOCK & WILCOX STEAM BOILERS (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Feb-23	0.000	0.000	0.000	0.000	0.245	0.000	0.000	0.000	0.652	0.000	0.000	0.000
Mar-23	0	0	0	0	0	0	0	0	0	0	0	0
Apr-23	0.00	0.00	0.00	0.00	3.30	0.00	0.00	0.00	8.77	0.00	0.00	0.00
May-23	0.00	0.00	0.00	0.00	12.50	0.00	0.00	0.00	33.21	0.00	0.00	0.00
Jun-23	0.00	0.00	0.00	0.00	1.66	0.00	0.00	0.00	4.95	0.00	0.00	0.00
Jul-23	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.39	0.00	0.00	0.00
Aug-23	0.00	0.00	0.00	0.00	76.06	0.00	0.00	0.00	202.10	0.00	0.00	0.00
Sep-23												
Oct-23												
Nov-23												
Dec-23												
Jan-24												

BABCOCK & WILCOX BOILERS		EMISSION FACTORS	
EMISSION SUBTOTALS		EMISSION FACTORS	
		GAS	FUEL OIL
0.90	MMCF		
0.00	MMCF		
12.07	LBS	13.45	1.60
45.71	LBS	50.94	20.74
6.82	LBS	7.60	2.00
0.54	LBS	0.60	24.41
278.17	LBS	0.14	TONS
		310.00	43.92

PERMITTED CONDITIONS (PER YEAR)	
ROC	14.88 TONS
NOx	33.38 TONS
PM	8.73 TONS
SOx	25.01 TONS
CO	57.59 TONS

EMISSION TOTALS	
ROC	83.34 LBS
NOx	158.87 LBS
PM	37.54 LBS
SOx	3.56 LBS
CO	544.26 LBS

EMISSION TOTALS	
ROC	0.04 TONS
NOx	0.08 TONS
PM	0.02 TONS
SOx	0.00 TONS
CO	0.27 TONS

REFERENCE: Annual Emission Limits and Emission Factors from Title V Permit Attachment PO1267PC2

3. EMERGENCY GENERATOR OPERATING HOURS. (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12
Feb-23	0.00	0.50	0.70	0.00	0.30	0.30	0.30	0.20	0.30	0.30	0.20	0.20
Mar-23	0.00	0.00	0.00	48.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apr-23												
May-23												
Jun-23												
Jul-23												
Aug-23												
Sep-23												
Oct-23												
Nov-23												
Dec-23												
Jan-24												

TOTAL HOURS	
Maintenance	3.30 HOURS
Emergency	48.20 HOURS

REFERENCE: Airborne Toxic Control Measure For Stationary Compression Engines. Attachment ATCM In-Use Emergency Engines

PERMITTED LIMITS	
Maintenance	20.00 HOURS
Emergency	N/A HOURS

CI POWER COGENERATION PLANT ROLLING TWELVE-MONTH EMISSIONS CALCULATIONS

1. GE LM-2500-33 GAS TURBINE (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12	EMISSION FAC-TORS		
	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	EMISSION SUBTOTALS	GAS	FUEL OIL
Fuel Gas (MMCF)	0.00	0.00	0.00	2.56	0.00	0.00	0.00	2.48	0.00	0.00	0.00	0.00	5.04 MMCF	14.15	1.84
Fuel Oil (Mgal)	0	0	0	36.24	0	0	0	35.03	0	0	0	0	71.27 LBS	0.04 TONS	0.06 TONS
ROC	0.00	0.00	0.00	56.45	0.00	0.00	0	56.713	0	0	0	0	113.16 LBS	0.02 TONS	0.02 TONS
NOx	0.00	0.00	0.00	15.62	0.00	0.00	0.00	15.10	0.00	0.00	0.00	0.00	30.72 LBS	0.00 TONS	0.60
PM	0.00	0.00	0.00	1.54	0.00	0.00	0.00	1.49	0.00	0.00	0.00	0.00	3.02 LBS	0.00 TONS	0.60
SOx	0.00	0.00	0.00	135.30	0.00	0.00	0.00	130.80	0.00	0.00	0.00	0.00	266.10 LBS	0.13 TONS	52.83
CO	0.00	0.00	0.00	3.750	0.000	0.000	0.000	3.967	0.000	0.000	0.000	0.000			4.45
NH3 Usage (MMCF)	0.000	0.000	0.000												

2. BABCOCK & WILCOX STEAM BOILERS (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12	EMISSION FACTORS		
	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	EMISSION SUBTOTALS	GAS	FUEL OIL
Fuel Gas (MMCF)	0.000	0.000	0.000	0.245	0.000	0.000	0.000	0.662	0.000	0.000	0.000	0.000	0.90 MMCF	13.45	1.6C
Fuel Oil (Mgal)	0	0	0	3.30	0	0	0	8.77	0	0	0	0	12.07 LBS	0.01 TONS	0.02 TONS
ROC	0.00	0.00	0.00	12.50	0.00	0.00	0.00	33.21	0.00	0.00	0.00	0.00	45.71 LBS	0.02 TONS	50.94
NOx	0.00	0.00	0.00	1.86	0.00	0.00	0.00	4.95	0.00	0.00	0.00	0.00	6.82 LBS	0.00 TONS	7.60
PM	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.54 LBS	0.00 TONS	0.60
SOx	0.00	0.00	0.00	76.06	0.00	0.00	0.00	202.10	0.00	0.00	0.00	0.00	278.17 LBS	0.14 TONS	310.00
CO	0.00	0.00	0.00												43.92

REFERENCE: Annual Emission Limits and Emission Factors from Title V Permit Attachment PO1267/PC2

PERMITTED CONDITIONS (PER YEAR)	ROC	NOx	PM	SOx	CO
	14.88 TONS	33.38 TONS	8.73 TONS	25.01 TONS	57.59 TONS

EMISSION TOTALS	ROC	NOx	PM	SOx	CO
	83.34 LBS	158.87 LBS	37.54 LBS	3.56 LBS	544.26 LBS

3. EMERGENCY GENERATOR OPERATING HOURS. (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL HOURS
	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	
Maintenance	0.50	0.70	0.00	0.30	0.30	0.30	0.20	0.30	0.30	0.20	0.20	0.30	3.60 HOURS
Emergency	0.00	0.00	48.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.20 HOURS

REFERENCE: Airborne Toxic Control Measure For Stationary Compression Engines, Attachment ATCM In-Use Emergency Engines

PERMITTED LIMITS	HOURS
Maintenance	20.00 HOURS
Emergency	N/A HOURS

CI POWER COGENERATION PLANT ROLLING TWELVE-MONTH EMISSIONS CALCULATIONS

1. GE LM-2500-33 GAS TURBINE (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12	EMISSION SUBTOTALS		EMISSION FACTORS	
	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Gas	Fuel Oil	CEM	CEM
Fuel Gas (MMCF)	0.00	0.00	2.56	0.00	0.00	0.00	2.48	0.00	0.00	0.00	0.00	0.00	5.04	0.00	14.15	1.84
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0	71.27	0.04	6.10	3.10
ROC	0.00	0.00	36.24	0.00	0.00	0.00	35.03	0.00	0.00	0.00	0.00	0.00	113.16	0.06	0.02	0.02
NOx	0	0	56.45	0	0	0	56.713	0	0	0	0	0	30.72	0.02	0.80	24.41
PM	0.00	0.00	15.62	0.00	0.00	0.00	15.10	0.00	0.00	0.00	0.00	0.00	3.02	0.00	0.13	0.13
SOx	0.00	0.00	1.54	0.00	0.00	0.00	1.49	0.00	0.00	0.00	0.00	0.00	266.10	0.13	0.13	0.13
CO	0.00	0.00	135.30	0.00	0.00	0.00	130.80	0.00	0.00	0.00	0.00	0.00			52.83	4.45
NH3 Usage (MMCF)	0.0000	0.0000	3.750	0.000	0.000	0.0000	3.867	0.000	0.000	0.000	0.000	0.000				

2. BABCOCK & WILCOX STEAM BOILERS (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12	EMISSION SUBTOTALS		EMISSION FACTORS	
	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Gas	Fuel Oil	CEM	CEM
Fuel Gas (MMCF)	0.000	0.000	0.245	0.000	0.000	0.000	0.652	0.000	0.000	0.000	0.000	0.000	0.90	0.00	13.45	1.60
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0	12.07	0.01	50.94	20.74
ROC	0.00	0.00	3.30	0.00	0.00	0.00	8.77	0.00	0.00	0.00	0.00	0.00	45.71	0.02	7.60	2.00
NOx	0.00	0.00	12.50	0.00	0.00	0.00	33.21	0.00	0.00	0.00	0.00	0.00	6.82	0.00	0.60	0.60
PM	0.00	0.00	1.86	0.00	0.00	0.00	4.95	0.00	0.00	0.00	0.00	0.00	0.54	0.00	0.60	24.41
SOx	0.00	0.00	0.15	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00	278.17	0.14	0.14	0.14
CO	0.00	0.00	76.06	0.00	0.00	0.00	202.10	0.00	0.00	0.00	0.00	0.00			310.00	43.92

REFERENCE: Annual Emission Limits and Emission Factors from Title V Permit
Attachment PO1267/PC2

PERMITTED CONDITIONS (PER YEAR)	ROC	NOx	PM	SOx	CO
	14.88 TONS	33.38 TONS	8.73 TONS	25.01 TONS	57.59 TONS

EMISSION TOTALS	ROC	NOx	PM	SOx	CO
	83.34 LBS	158.87 LBS	37.54 LBS	3.56 LBS	544.26 LBS

3. EMERGENCY GENERATOR OPERATING HOURS. (Permit to Operate #1267)

Month	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL HOURS
Month	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	
Maintenance	0.70	0.00	0.30	0.30	0.30	0.20	0.30	0.30	0.20	0.20	0.30	0.00	3.10 HOURS
Emergency	0.00	48.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.20 HOURS

REFERENCE: Airborne Toxic Control Measure For Stationary Compression Engines
Attachment ATCM In-Use Emergency Engines

PERMITTED LIMITS	MAINTENANCE HOURS	EMERGENCY HOURS
	20.00 HOURS	N/A HOURS

Attachment PO1267PC1
Usage Log for Solvent Cleaning

Material Name	Material ID	Manufacturer	Date of MSDS	Size [oz]	Quantity Used	ROC Content [lb/gal]	ROC [lb]
Aerosol Penetrating Oil		Kano Labs	3/30/2001	10	0	5.01	0.00
Aerosol Surface Cleaner	M715	Gunk	1/12/2006	14	0	3.67	0.00
Aerosol Surface Cleaner	ICA736	I-Chem	1/13/2006	14	0	5.21	0.00
Aerosol paint remover	7764T21	Diversified Brands	9/20/2016	15	2	2.31	0.54
						Annual Total ROC [lb]	0.54
						Rule 23 ROC limit [lb]	200

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November 28, 2023

Ed Swede
Environmental Engineer, Compliance Section
Ventura County Air Pollution Control District
4567 Telephone Road, 2nd Floor
Ventura, CA 93003

Re: Projected Shutdown Schedule for CY 2024

Mr. Swede,

In compliance with Title V Attachment PO1267PC2 Section 9, the proposed shutdown schedule for CY 2024 is submitted as detailed in Attachment 1.

The facility will be operated under a Dispatchable Power Purchase Agreement with California Department of Water Resources as part of the California Strategic Electricity Reserve. The default state of the plant is shutdown unless dispatched via CAISO during an extreme grid event.

The proposed schedule is for planning purposes only and is subject to change due to maintenance and operational requirements of the facility.

Sincerely,

Thomas Hunt
Assistant Vice President

Attachments:

Attachment 1 – CI Power Cogeneration Plant Projected Shutdown Schedule for CY 2024



November 02, 2023

Memorandum to File

Re: Annual Gas Turbine and Standby Boiler Opacity Survey

1. On October 25, 2023 CI Power Cogeneration Plant received a ten hour dispatch from 0600 to 1600. Over the course of this run the HRSG exhaust stack was inspected for visible emissions. There were no visible emissions observed at the HRSG exhaust stack. Additionally, a review of the periodic Opacity Checks showed no visible emissions present at any of the times the unit was checked.
2. On November 02, 2023, a review of the periodic Opacity Checks for the Standby Boilers was conducted. The review showed that there were no visible emissions present at any of the times the units were checked.

Jeffery M. Smith
Plant Manager
CI Power

Solvent Cleaning – Material List

Solvent Name	Manufacturer's Description	ROC Content	ROC Partial Pressure	Intended Use	ROC Limit *
Aerosol Paint Remover	Diversified Brands #7764T21	277 g/l	Unknown	Maintenance cleaning	Exempt
Aerosol Penetrating Oil	Kano Labs	60% by volume	Unknown	Rust Penetrator	Exempt
Aerosol Surface Cleaner	Gunk M715	44% by volume	Unknown	Maintenance cleaning	Exempt
Aerosol Surface Cleaner	I-Chem ICA736	43.52% by volume	Unknown	Maintenance cleaning	Exempt

*** Notes:**

- 1) ROC content limit is 900 grams per liter and ROC composite partial pressure limit is 20 mmHg at 20°C for repair and maintenance cleaning.
- 2) ROC limit is 950 grams per liter and ROC composite partial pressure limit is 35 mmHg at 35°C for cleanup including cleaning of application equipment.
- 3) ROC limit is 70 grams per liter for manufacturing or surface preparation.
- 4) The use of up to 160 Fl. Oz. of non-refillable aerosol cleaning products per day per facility is exempt.

Attachment Rule 74.2
Usage Log for Architectural Coatings and Thinners

Material Name	Material ID	Manufacturer	Date of SDS	Size [oz]	Quantity Used	ROC Content [g/l]	Usage	Exemption or ROC Limit [g/l]	ROC Content as Applied [lb/gal]	ROC [lb]
Rust Inhibitor	RF129	Kylon	7/21/2009	10.25	0	391	Rust preventative coating	400	3.26	0.00
High temp. aerosol paint (Aluminum)	Z630	Zynolyte / Aerove	3/11/2008	11	0	644	Aerosol coating	Rule 74.2 F.2	5.37	0.00
Galvanizing Compound (aerosol)	7007	Crown / Aerove	11/30/2010	13	0	295	Aerosol coating	Rule 74.2 F.2	2.46	0.00
Aerosol paint (Black)	Z635	Zynolyte / Aerove	3/11/2008	11	0	644	Aerosol coating	Rule 74.2 F.2	5.37	0.00
Aerosol paint (Red Primer)	V2169838	Rustoleum	12/13/2016	15	0	760	Rust preventative coating	Rule 74.2 F.2	6.34	0.00
ULTRA	833124	Valspar	3/30/2023	128	0	50	High gloss Ultra white acrylic	50	0.42	0.00
Syn-Lustro tawny yellow	10-M	Dunn-Edwards	4/22/2015	32	0	390	Rust Preventative Alkyd Enamel Coating	250	3.25	0.00
Syn-Lustro Meadow Irish Green	10-27	Dunn-Edwards	4/22/2015	32	0	390	Rust Preventative Alkyd Enamel Coating	250	3.25	0.00
Syn-Lustro Safety Green	10V-11-1	Dunn-Edwards	4/22/2015	32	0	390	Rust Preventative Alkyd Enamel Coating	250	3.25	0.00
Syn-Lustro Fire Red	10-19	Dunn-Edwards	4/22/2015	32	0	390	Rust Preventative Alkyd Enamel Coating	250	3.25	0.00
Syn-Lustro Machinery Green	10-24	Dunn-Edwards	4/22/2015	32	0	390	Rust Preventative Alkyd Enamel Coating	250	3.25	0.00
Syn-Lustro HI Vis Yellow	40465	Dunn-Edwards	4/22/2015	32	0	390	Rust Preventative Alkyd Enamel Coating	250	3.25	0.00
EPO Coat	VA	Dynamis	5/5/2015	128	0	87	Masonry Sealer	400	0.72	0.00
Safety Yellow		Rustoleum	10/11/2019	32	0	449	Industrial Maintenance Coating	250	3.75	0.00
Paint Thinner		Sunnyside	4/29/2009	128	0	780	Thinner	N/A	6.51	0.00
									Annual total ROC [lb]	0
									Rule 23 ROC limit [lb]	200