

**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, 2020 to March 31, 2021

April 2021

This page intentionally left blank.



Ventura County
Air Pollution
Control District

**ANNUAL COMPLIANCE CERTIFICATION
SIGNATURE COVER FORM**

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

Mr. Gerardo Rios, Chief
Permits Office (AIR-3)
Office of Air Division
EPA Region 9
75 Hawthorne Street
San Francisco, CA 94105

RECEIVED
VENTURA COUNTY
2021 MAY -3 PM 1:32
A.P.C.D.

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><i>Ysabel Trinidad</i> <small>Ysabel Trinidad (Apr 14, 2021 12:17 PDT)</small></p> <p>Ysabel Trinidad Title: Vice President</p>	<p>Date:</p> <p>04/14/2021</p>
--	--------------------------------

<p>Time Period Covered by Compliance Certification</p> <p><u>04</u> / <u>01</u> / <u>20</u> (MM/DD/YY) to <u>03</u> / <u>31</u> / <u>21</u> (MM/DD/YY)</p>
--

This page intentionally left blank.



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 20 (MM/DD/YY) to 03 / 31 / 21 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: <u>74.9N7</u></p>	<p>D. Frequency of monitoring: Submit report of annual engine hours of maintenance to District every Calendar Year by February 15.</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: <u>Maintain records of:</u> 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 #: <u>ATCM</u></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 #: <u>40 CFR Part 63, Subpart ZZZZ</u></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>



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 20 (MM/DD/YY) to 03 / 31 / 21 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: <u>74.15N1</u></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></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>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 #: <u>STRMLN1267-LM-2500-NOx, NH3</u></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 on exceedances of limits.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>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 #: <u>STRMLN1267-LM-2500-SOx</u></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. Did not have any Distillate Fuel Oil deliveries.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 20 (MM/DD/YY) to 03 / 31 / 21 (MM/DD/YY)

<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>



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 20 (MM/DD/YY) to 03 / 31 / 21 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: PO1267PC2 Condition No. 2 & 8</p> <p>B. Description: Additional Permit Requirements Condition No. 2 - Steam Boilers - Natural Gas Condition No. 8 - Records</p>	<p>D. Frequency of monitoring: Monthly</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></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>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>B. Description: Additional Permit Requirements Condition No. 3 - Steam Boilers - Fuel Oil Condition No. 8 - Records</p>	<p>D. Frequency of monitoring: Upon use</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></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>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>B. Description: Additional Permit Requirements Condition No. 4 - Steam Boilers - Monitor and Record Fuel Consumption</p>	<p>D. Frequency of monitoring: Continuous</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></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>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 / 20 (MM/DD/YY) to 03 / 31 / 21 (MM/DD/YY)

<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>



Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 20 (MM/DD/YY) to 03 / 31 / 21 (MM/DD/YY)

<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>



Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 20 (MM/DD/YY) to 03 / 31 / 21 (MM/DD/YY)

<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>



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 20 (MM/DD/YY) to 03 / 31 / 21 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: <u>Rule 64.B.1</u></p>	<p>D. Frequency of monitoring: <u>Annually</u></p>
<p>B. Description: <u>Rule 64.B.1 Applicable Requirements Sulfur Content of Fuels - Gaseous Fuel Requirements</u></p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable <u>SCAQMD Method 307-94</u></p>
<p>C. Method of monitoring: <u>Only burned PUC quality natural gas this period.</u></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 #: <u>Rule 64.B.2</u></p>	<p>D. Frequency of monitoring: <u>Each delivery.</u></p>
<p>B. Description: <u>Rule 64.B.2 Applicable Requirements Sulfur Content of Fuels - Solid or Liquid Fuel Requirements</u></p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable <u>ASTM D4294-98 or D2622-98</u></p>
<p>C. Method of monitoring: <u>Maintain Records of sulfur content of fuels purchased. No solid or liquid fuel deliveries this period.</u></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 #: <u>Rule 74.6</u></p>	<p>D. Frequency of monitoring: <u>Periodic</u></p>
<p>B. Description: <u>Rule 74.6 Applicable Requirements Surface Cleaning and Degreasing</u></p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable <u>See Note 3.</u></p>
<p>C. Method of monitoring: <u>Routine surveillance of solvent cleaning activities. Maintain records of current solvent information including:</u> 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>



Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 20 (MM/DD/YY) to 03 / 31 / 21 (MM/DD/YY)

<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>



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 20 (MM/DD/YY) to 03 / 31 / 21 (MM/DD/YY)

<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. Maintain records of usage of architectural coatings.</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>



Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 20 (MM/DD/YY) to 03 / 31 / 21 (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-NOx, NH3, 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
2019 ANNUAL REPORT FORM**

Reporting Period: January 1 through December 31, 2019

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: 01267			
Facility Name:	Trustees of CSU & CSUCI Site Auth.	Contact:	Jeff Smith
Facility Address:	1947 W. Potrero Road	Title:	Plant Manager
Facility City:	Camarillo, CA 93012	Phone:	805-437-3795
ENGINE DETAILS			
Engine BHp Rating: 755 BHp			
Engine Description (Manufacturer, Model, Serial Number, etc.):			
Detroit Diesel Emergency Standby Engine (565 KW), Model 71637305, Serial No. 16VA19578, "Blackstart".			
REPORTING REQUIREMENTS FOR CALENDAR YEAR 2019			
	Date of Reading		Meter Reading
First of 2019:	1/1/2019	First of 2019:	431.6
End of 2019:	12/31/2019	End of 2019:	521.5
Total annual hours for: Maintenance & Testing:			1.8
Hours of Emergency use:			88.1
Total Hours of operation:			89.9
Has the engine listed above exceeded the permit limit for maintenance and testing? If yes, please explain here or attach additional pages:			
No.			
Signature of person supplying the information: <i>"I certify that the above information is correct."</i>			
Signature: 		Date: 06/05/2020	
Print Name: Ysabel Trinidad		Title: Vice President of Finance	
Phone #: 805-437-8878		Email: ysabel.trinidad@csuci.edu	
SEND REPORT TO: Inspector Name: Ventura County Air Pollution Control District 669 County Square Drive, Second Floor Ventura, CA 93003 or FAX: 805/645-1444		For questions contact: Eric Wetherbee at (805) 645-1496, or eric@vcapcd.org	

CI POWER

Black Start Generator Operations Log

Permit Year runs from April 1, 2018 to March 31, 2019.

DATE	METER READ		RUN HOURS*		DESCRIPTION	INITIALS
	ON	OFF	M	E		
5-22-18	430.7	431.0	0.1		MAINT. NO NET LOAD	BS
7-27-18	431.4	431.2	0.2		MAINT. GEN Pm	BS
9-18-18	431.2	431.4	0.2		MAINT. Pm	BS
11-7-18	431.9	431.6	0.3		MAINT. Pm	BS
2-8-19	431.6	431.8	0.2		MAINT. Pm	BS
3-16-19	431.8	432.5		0.7	CAROLINE DOWN	BS
<div style="position: relative; height: 100px;"> PERMIT YEAR CLOSED </div>						

*Maintenance or Emergency Use.

CI POWER

Black Start Generator Operations Log

Permit Year runs from April 1, 2019 to March 31, 2020.

DATE	METER READ		RUN HOURS*		DESCRIPTION	INITIALS
	ON	OFF	M	E		
4/1/19	432.5	519.9	/	87.4	66 KV LINE POLE REPLACEMENT	BB
5/20/19	519.9	519.9	/	/	UNIT DID NOT FIRE	RP
5/30/19	519.9	520.2	0.3	/	REPLACED BATTERIES, MAINTENANCE CHECK OK	DN
7-1-19	520.2	520.4	0.2	/	MONTHLY MAINTENANCE CHECK	RP
7/24/19	520.4	520.6	0.2	/	MONTHLY MAINT	BB
9/3/19	520.6	520.8	0.2	/	MONTHLY MAINTENANCE	DN
10/1/19	520.8	520.9	0.1	/	Monthly	JPL
11/2/19	520.9	521.1	0.2	/	MONTHLY MAINT	RP
12/9/19	521.1	521.5	0.4	/	MONTHLY TEST	DN
1/2/20	521.5	521.6	0.1	/	MONTHLY TEST	RP
2/25/20	521.6	521.8	0.2	/	Monthly Test	BB
4/12/20	521.8	526.0	/	4.2	SCE POWER UNAVAILABLE	J
TOTALS			1.9	87.4		
<div style="border: 1px solid black; padding: 10px; transform: rotate(-15deg); display: inline-block;"> PERMIT YEAR CLOSED </div>						

*Maintenance or Emergency Use.

MAINT 1.8

G:\Cogen\FORMS\LOGS\Blackstart Log.docx

EMERG. 88.1



Southern Counties Oil Co, a Ca LP
 1800 West Katella Ave, Suite 400, P.O. Box 4159, Orange, CA 92863-4159
PLEASE REMIT ALL PAYMENTS TO:
 P.O. BOX 14237
 ORANGE, CA 92863-1237
 Ph:(800) 659-5823 Fax:(714) 992-7377 Credit Inquiries:(888) 364-0121

Invoice

RECEIVED
 APR 08 2019
 BY: _____

SHIP TO: 1 **CUST NO: 01-0000843**
 CALIFORNIA STATE UNIVERSITY CI
 1947 WEST POTRERO ROAD
 CAMARILLO, CA 93012

INVOICE 1397381-IN	DUE DATE 4/19/2019
INVOICE DATE 4/4/2019	SHIP DATE 4/4/2019
ORDER DATE 4/3/2019	SHIP VIA E08
CUSTOMER PO CALLED IN	ORDER NUMBER 1397381
TERMS N15	SALESMAN Terri Mabry-Merrill

ACCT NO (Bill-to): 01-0000843
 CALIFORNIA STATE UNIVERSITY
 CHANNEL ISLANDS -POWER PLANT
 1947 W POTRERO ROAD
 CAMARILLO, CA 93012
 (805) 437-8592

Please direct any questions regarding this invoice to:
CSS@srfuels.com

UNIT	ITEM CODE	ITEM DESCRIPTION	QUANTITY DELIVERED	PACKAGE DESCRIPTION	EXTENDED QTY	UNIT PRICE	EXT PRICE
B001	422B001	CARB ULTRA L.S. DYED DIESEL	964.00	BULK GALS	964.00	2.90401	2,799.46
		Whse: 109					
		NA 1993 DIESEL FUEL, 3, PG III - NONTAXABLE USE ONLY, PENALTY FOR TAXABLE USE					
		Federal Lust				0.00100	0.96
		CA - AB 32 - DSL				0.00461	4.44
						2.90962	2,804.86
		ORDER PLACED BY JEFF 805-437-3795					
		/FUELCH FUEL SURCHARGE					9.92
		/RCF REGULATORY COMPLIANCE FEE					12.95

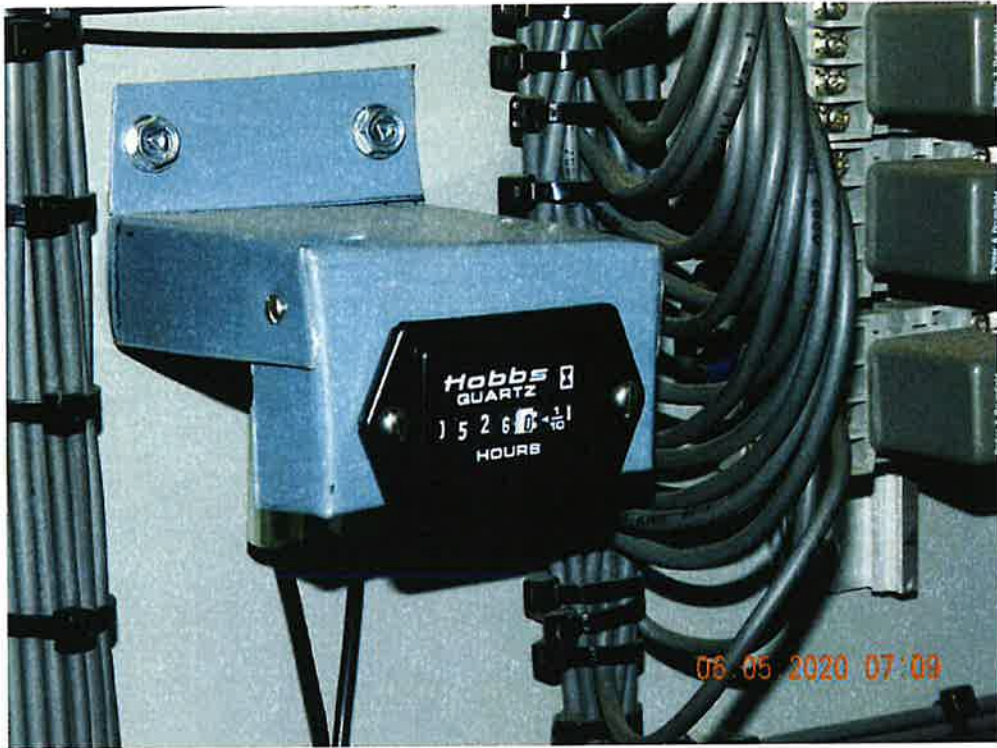
Invoice # _____ Total \$ _____ Voucher # _____

Amount	Amount(%)	Fund(5)	Dept(3)
	660876		

Requestor Approval _____
 Management Approval _____
 Executive Director _____

Net Invoice: 2,827.73
 Less Discount: 0.00
 Freight: 0.00
 Sales Tax: 205.00
Invoice Total: 3,032.73

Save time, pay online! View invoices, make payments and more.
 Sign up for the Customer Portal today. <https://customerportal.scfuels.com>



*ND	ENGINE BASE	507	OIL DIST	*280	C/S PUL BELLY		
			339	DIPSTICK			
58	CYLINDER HEAD	129	OIL FILL CAP	130	WATER PUMP		
55	ENG LIFT MEAT	338	OIL COOLER				
*832	FLYWHEEL	381	OIL FILTER	223	WAT BY PASS	W.O. 130494	
402	FLYWHEEL HOUS	692	VENT SYSTEM	310	TERMOSTAT		
122	VEB DAMPER	107	C/S COVER			VALVE LSH	STEWART &
302	CONN ROD/PSIN	1561	FAN			INJ TIMING	STEVENS
*ND	OIL PAN	296	C/S PULLEY	332	EDM MANIFOLD	MAX RPM NL 1800	SERVICES, INC.
65	OIL PUMP					STD GI STD CAM B	HOUSTON, TEXAS
		MODEL 71637305		UNIT 16VA19578		SPEC. 7612	*ENGINE MOD.

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

06.05.2020 07:10

Smith, Jeff

From: Smith, Jeff
Sent: Monday, June 8, 2020 7:30 AM
To: Tod Neilan
Subject: RE: Emergency Diesel Engine 2019 Annual Report Form
Attachments: 2019 Engine Reporting Form.pdf

Tod,

Attached is the completed form with the requested additional information. See you tomorrow.

Jeff Smith
Plant Manager
CI Power Cogeneration Plant
805-437-3795



From: Tod Neilan [mailto:tod@vcapcd.org]
Sent: Thursday, June 4, 2020 10:16 AM
To: Smith, Jeff <jeff.smith@csuci.edu>
Cc: Trinidad, Ysabel <ysabel.trinidad@csuci.edu>
Subject: Emergency Diesel Engine 2019 Annual Report Form

CAUTION: This email originated from outside of CSUCI. Do not click links or open attachments unless you validate the sender and know the content is safe. Please forward this email to infosec@csuci.edu if you believe this email is suspicious. For more information on how to detect Phishing scams, please visit <https://www.csuci.edu/its/security/phishing.htm>

Mr. Jeff Smith;

Attached is the Emergency Diesel Engine 2019 Annual Report Form. Please fill this form out for the following Engine:

P/O 01267; 755 BHP Detroit Diesel Fired Emergency Standby Engine (565 KW), Model 71637305, s/n 16VA19578 located at 1947 West Potrero Road, Camarillo.

Please refer to the Permit to Operate, or the Emergency Diesel Engine 2018 Annual Report Form regarding the engine information. I will also need a copy of the invoice of where diesel fuel is purchased and photograph of the engine and the non-resettable hour meter showing the most recent engine hours. Please complete the form and photographs and email them to me by **June 22, 2020**. If you have any question please call me.

Thank you

Tod Neilan
Air Quality Specialist
Compliance Division
Ventura County Air Pollution Control District
669 County Square Drive
Ventura, California 93003

Tel 805/645-1476
tod@vcapcd.org

**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	3.6 hours	< 20 hours per year

Emergency Standby Stationary Internal Combustion Engine Fuel Purchases

Date	Volume	Fuel Type

No Fuel Oil deliveries this period.

**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	3.6 hours	< 100 hours per year

Emergency Operations

Date / Time	Duration	Reason
04/07/20 10:00	4.2 Hours	SCE Line Maintenance, 66 KV Line Down.
3/30/21 07:49	2.9 Hours	SCE Line Maintenance, 66 KV Line Down

Stationary Reciprocating Internal Combustion Maintenance Table

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

Preventive Maintenance Work Order

Plant No: 000
 Work Order: P548726
 PM ID Number: 92
 Project ID:
 Slot Number:
 Asset Number: 45BS100

Date: 3/30/2021 09:17:18

Plan Priority: 2
 Safety: N
 Asset Type: Equipment
 Asset Code

Asset Location: BLACKSTART GENERATOR
 Asset Short Desc: BLACKSTART ENGINE
 Chg CC-Lab Acct: 6810.12-
 Originator: RAUL PEREZ 8
 Phone: 805-437-3797
 Work Group:
 Supervisor ID:
 Assigned To:
 Scheduled To:
 Planner:

Work Location: MECHANIC
 Origination Date: 11/27/2020 13:23
 Due Date: 12/26/2020
 Schedule Date:
 Completion Date: 12/8/2020
 Work Area:
 Fault Code: N
 Work Type:
 Status: CLO
 Compliance Type:

Frequency Code: A1 Last PM Usage: Last PM Date: 12/08/2020

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.

Sppt Requirement: _____

Meter Reading: _____

CORRECTIVE ACTION

Due to bsg low running hours this year and last Independent oil analysis. No oil change is needed.
 Checked crank case breathers were checked are clean.
 Air filter was inspected and it is clean and clear.
 Hoses are in good shape, with no signs of leaks.

Completed By: _____

Completed Date: ____/____/____

SIGN OFF: Production ____/____/____ : ____

Maintenance: ____/____/____ : ____

Signed: _____

Signed: _____

STATUS CHANGES

Status: _____ Date: ____/____/____ Time: ____:____

Status: _____ Date: ____/____/____ Time: ____:____

LABOR

MATERIAL

Employee Id	Activity Code	Craft	Hours	Type	Stock No	Qty	Account

PLANNED ACTIVITIES

Work Order: P548726

3/30/2021 09:17:19

Activity Code	Predecessor	Activity Short Description	Work Group	Work Requested	Activity Sched Date	Completion Date
MAINT		MAINTENANCE				12/8/2020

LABOR

Craft Code		Actual Hours	Completion Date
0	OPERATOR	4.00	



UN 010466A

Diesel Engine

Unit No. Blackstart

Unit: Not Changed
 Make: Not Changed
 Model: Not Changed
 Serial No.: Not Changed
 Site: Not Changed

Compartment: Diesel Engine
 Name: Diesel Engine
 Make: Detroit Diesel
 Model: 16V71
 Serial No.:
 Capacity:

Customer: CALIFORNIA STATE UNIVERSITY CI
 1947 W Palero 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: roldan.beldad

LEGEND

	Normal		Severe		Caution		Normal
--	--------	--	--------	--	---------	--	--------

(800) LUBE-808

DATE SAMPLED	DATE RECEIVED	DATE RECORDED	LAB NO.	SIF NO.	TIME ON UNIT	OIL BRAND	OIL TYPE	OIL GRADE	OIL ADDED	FILTER	OIL CHANGED	WO NUMBER
11-11-17	11-Nov-17	12-Mar-21	44022428220	36472040	Hrs	Chevron	Delo 400	SAE 40			Not Changed	
31-Oct-19	31-Oct-19	01-Nov-19	44022123497	33961127	Hrs	Chevron	Delo 400	SAE 40			Not Changed	
26-Jul-19	26-Jul-19	29-Jul-19	4402206547	33961130	Hrs	Chevron	Delo 400	SAE 40			Not Changed	
01-Nov-17	08-Nov-17	09-Nov-17	44021712532	32788831	Hrs	Chevron	Delo 400	SAE 40			Not Changed	
23-Aug-17	29-Aug-17	29-Aug-17	44021672380	16171416	Hrs	Chevron	Delo 400	SAE 40			Not Changed	
7-Feb-17	15-Feb-17		44021562264	16171472	Hrs	Chevron	Delo 400	SAE 40			Not Changed	

Metals (ppm)	Iron (Fe)	Chromium (Cr)	Lead (Pb)	Copper (Cu)	Tin (Sn)	Aluminum (Al)	Nickel (Ni)	Silver (Ag)	Titanium (Ti)	Vanadium (V)
11	<1	<1	2	3	2	2	<1	<1	<1	<1
10	<1	1	2	2	1	1	<1	<1	<1	<1
10	<1	1	2	2	1	2	<1	<1	<1	<1
4	<1	<1	<1	<1	1	1	<1	<1	<1	<1
4	<1	<1	<1	<1	1	1	<1	<1	<1	<1
12	5	4	4	4	4	4	4	4	4	4
5	4	4	4	4	4	4	4	4	4	4
4	4	4	4	4	4	4	4	4	4	4
51	3807	<1	1031	1222	50	435	49	414	451	456
49	3541	<1	1011	1153	49	414	46	451	456	456
48	3463	<1	974	1096	46	456	45	451	456	456
17	3599	<1	1015	1202	45	456	45	451	456	456
16	3632	<1	1020	1165	51	456	49	456	456	456
16	3496	<1	1017	1149	49	462	49	462	462	462

Contaminants	Water (%)	Coalant
<0.05	No	No
<0.05	No	No
<0.05	No	No
<0.05	No	No
<0.05	No	No
<0.05	No	No

Physical Tests	Viscosity (cSt 100C)	Fuel (%)	Soot (%) Infrared
13.9	<1	0.1	
13.8	<1.0	<0.1	
14.0	<1	<0.1	
14.2	<1	0.3	
14.6	<1	0.6	
14.6	<1	0.6	

Physical / Chemical	Base Number (mgKOH/g)	Oxidation (Abs/0.1mm)	E2412ID7414	Nitration (Abs/0.1mm) E2412
8.4	9	8	8	4
8.6	8	8	8	4
8.7	9	9	9	4
9.6	8	8	8	4
9.6	12	12	12	4
9.3	12	12	12	4



LubeWatch®

(800) LUBE-800

JIN 010466A

U.S. Laboratories

Atlanta, Georgia - 420 Valley View, Ohio - 410
 5300 Oakbrook Parkway 6180 Hall Dr, Suite D
 Building 200 Suite 245 Valley View, OH 44125
 Norcross, GA 30093 800.726.5400
 800.394.3669

Kansas City, Kansas - 430 Phoenix, Arizona - 440
 535 Sunstone Road 3319 West Earl Drive
 Kansas City, KS 66115 Phoenix, AZ 85017
 800.332.9055 800.445.7990

Portland, Oregon - 401
 4843 NW Front Avenue
 Portland, OR 97210
 800.770.4128

Canadian Laboratories

Burlington, Ontario - 450 Edmonton, Alberta - 402
 5035 South Service Rd. 9450 17 Ave NW
 Burlington, ON L7L5Y7 Edmonton, AB T6N 1M9
 905.332.9359 888.489.0057

Sales & Marketing

Houston, Texas
 10450 Stoneliff Road, Suite 210
 Houston, TX 77099
 877.835.8437

International Locations

Australia
 Brisbane, Perth, Sydney, Muswellbrook

South America
 Santiago de Chile, Belo Horizonte, Brazil

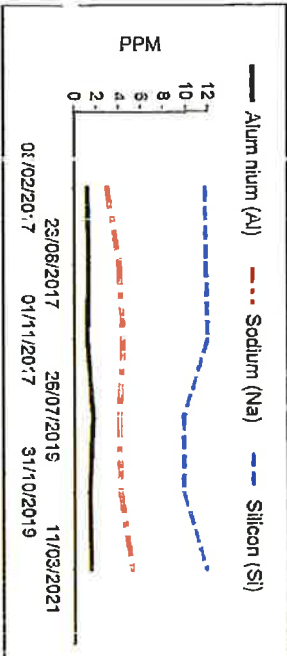
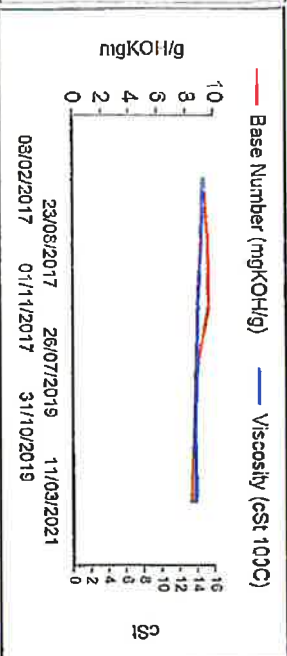
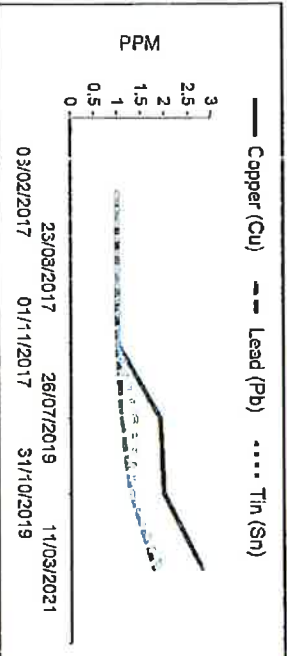
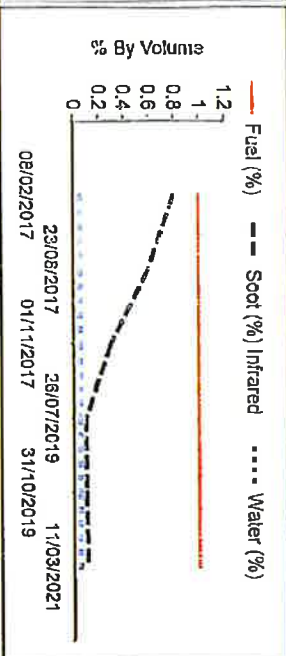
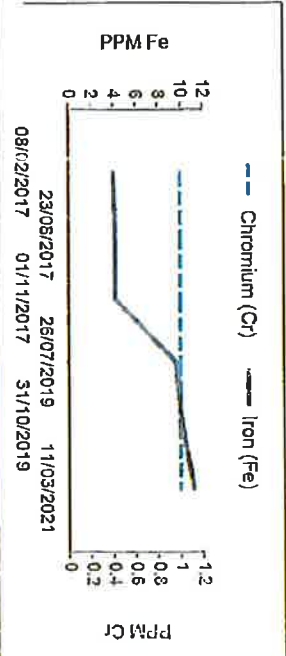
Southeast Asia
 Kuala Lumpur, Singapore

Europe
 Wellington Prague

TEST METHODS:

Acid Number: ASTM D974/D664 (*M)
 Base Number: ASTM D4739 (*M)
 Base Number (Perchloric): ASTM D2896 (*M)
 Fuel Dilution by GC: ASTM D7593
 Fuel Dilution Visc/Sensitash In House
 Fuel Soot ATR/IR: ASTM D7686 (*M)
 Soot by FTIR: ASTM D7844
 Glycol: In House
 Metals by ICP AES: ASTM D5185 (*M)
 Ox, NOx, SOx, FTIR: ASTM E2412/D7418/D7414 D7415
 PQ Index: ASTM D8120 (*M)
 Particle Count: ASTM D7647 (*M) / ISO 4406
 Viscosity: ASTM D445 (*M) / D7279 (*M)
 Water KF: D6304 / E203 (*M)
 Water Crackle: In House

*M - Modified Method



Filler Image

Filler 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. Report 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 / 20 (MM/DD/YY) to 03 / 31 / 21 (MM/DD/YY)

A. Emission Unit Description: HX002 Per Attachment 74.15.N1			B. Pollutant: NOx
C. Measured Emission Rate: 36.7 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: 11/24/20

A. Emission Unit Description: HX002 Per Attachment 74.15.N1			B. Pollutant: CO
C. Measured Emission Rate: 33.3 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: 11/24/20

A. Emission Unit Description: HX003 Per Attachment 74.15.N1			B. Pollutant: NOx
C. Measured Emission Rate: 39.3 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: 11/05/20

A. Emission Unit Description: HX003 Per Attachment 74.15.N1			B. Pollutant: CO
C. Measured Emission Rate: 53.0 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: 11/05/20

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 / 20 (MM/DD/YY) to 03 / 31 / 21 (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: 7.8 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: 11/04/20

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: 6.2 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: 11/04/20

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.

RECEIVED
 NOV 02 2020
 BY: _____



4100 Burr St.
 Bakersfield, CA 93308
 (661) 324-1317
 (661) 324-3310

pgtech@pacificgastech.com

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

Sampled: 10/9/2020
 Submitted: 10/9/2020
 Analyzed: 10/9/2020
 Reported: 10/16/2020

Gas Analysis by Chromatography - ASTM D 1945/D 3588

Company:	CI Power	Lab No.:	200576-1
Location:	Camarillo	Pressure, psi:	88.5
Description:	Cogen Fuel Gas	Temperature, °F:	78

Component	Mole %	Weight %	G/MCF	
Oxygen	0.09	0.16		
Nitrogen	0.86	1.36		
Carbon Dioxide	2.33	5.80		
Hydrogen	ND	0.00		
Carbon Monoxide	ND	0.00		
Methane	90.61	82.12		
Ethane	5.87	9.97		
Propane	0.24	0.60		0.067
iso-Butane	ND	0.00		0.000
n-Butane	ND	0.00		0.000
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		0.067
Specific Volume, ft ³ /lb	21.44	Values Corrected for Compressibility		
Compressibility (Z) Factor	0.9977		CHONS	Weight %
Specific Gravity, Calculated	0.6112	0.6124	Carbon	71.515
GROSS		LHV	HHV	Oxygen
BTU/ft3	Dry	1025.1	1027.5	Nitrogen
	Wet	1007.2	1009.5	Sulfur
BTU/lb	Dry	21974.4	22024.9	
BTU/lb	Wet	21589.8	21639.5	F FACTOR @ 8645
NET				68 deg F, dscf/MMBTU
BTU/ft3	Dry	924.6	926.7	
	Wet	908.4	910.5	F FACTOR @ 8516
BTU/lb	Dry	19820.0	19865.6	60 deg F, dscf/MMBTU
BTU/lb	Wet	19473.1	19517.9	
	Hydrogen Sulfide, ppm	TR < 1	Method	GC/FPD
	Total Sulfur as Hydrogen Sulfide, ppm	Not Tested	Method	ASTM D3246
	Dew Point, deg F	Not Tested	Method	Bureau of Mines
	Molecular Weight	17.70		

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)

	1	2	3	4	5	6	7	8	9	10	11	12
Month	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20
Fuel Gas (MMCF)	0.00	2.01	1.92	0.86	3.31	2.57	5.68	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	28.46	27.15	12.14	46.90	36.42	80.43	0.00	0.00	0.00	0.00	0.00
NOx	0	40.17	27.16	14.18	67.68	49.74	103.75	0	0	0	0	0
PM	0.00	12.27	11.70	5.23	20.22	15.70	34.67	0.00	0.00	0.00	0.00	0.00
SOx	0.00	1.21	1.15	0.51	1.99	1.54	3.41	0.00	0.00	0.00	0.00	0.00
CO	0.00	106.27	101.37	45.33	175.12	135.96	300.30	0.00	0.00	0.00	0.00	0.00
NH3 Usage (MMCF)	0.000	3.312	2.362	1.049	4.169	3.967	6.993	0.000	0.000	0.000	0.000	0.000

GE LM-2500-33 GAS TURBINE			
EMISSION SUBTOTALS		EMISSION FACTORS	
16.36	MMCF		
0.00	MMCF		
231.51	LBS	0.12	TONS
302.68	LBS	0.15	TONS
99.80	LBS	0.05	TONS
9.82	LBS	0.00	TONS
864.35	LBS	0.43	TONS
		14.15	LBS/MMCF
		1.84	LBS/MGAL

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

	1	2	3	4	5	6	7	8	9	10	11	12
Month	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20
Fuel Gas (MMCF)	7.531	6.841	6.257	5.838	5.676	6.487	6.495	7.716	8.638	7.942	8.756	4.453
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	101.30	92.01	84.16	78.53	76.34	87.24	87.35	103.79	116.17	106.81	117.77	59.89
NOx	383.65	348.48	318.75	297.41	289.13	330.43	330.84	393.08	439.99	404.54	446.03	226.84
PM	57.24	51.99	47.56	44.37	43.14	49.30	49.36	58.65	65.65	60.36	66.55	33.84
SOx	4.52	4.10	3.75	3.50	3.41	3.89	3.90	4.63	5.18	4.76	5.25	2.67
CO	2334.73	2120.72	1939.79	1809.91	1759.55	2010.63	2013.33	2392.11	2677.63	2461.89	2714.36	1380.43

BABCOCK & WILCOX BOILERS			
EMISSION SUBTOTALS		EMISSION FACTORS	
82.63	MMCF		
0.00	MMCF		
1111.37	LBS	0.56	TONS
4209.17	LBS	2.10	TONS
627.99	LBS	0.31	TONS
49.58	LBS	0.02	TONS
25615.26	LBS	12.81	TONS
		13.45	LBS/MMCF
		20.74	LBS/MGAL

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	1342.68	LBS
NOx	4511.85	LBS
PM	727.79	LBS
SOx	59.39	LBS
CO	26479.63	LBS
	0.67	TONS
	2.26	TONS
	0.36	TONS
	0.03	TONS
	13.24	TONS

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

	1	2	3	4	5	6	7	8	9	10	11	12
Month	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20
Maintenance	0.30	0.00	0.40	0.00	0.20	0.10	0.20	0.40	0.00	0.30	0.00	0.00
Emergency	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.20

TOTAL HOURS	
	1.90 HOURS
	4.20 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)

	1	2	3	4	5	6	7	8	9	10	11	12
Month	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20
Fuel Gas (MMCF)	2.01	1.92	0.86	3.31	2.57	5.68	0.00	0.00	0.00	0.00	0.00	1.47
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	28.46	27.15	12.14	46.90	36.42	80.43	0.00	0.00	0.00	0.00	0.00	20.84
NOx	40.17	27.16	14.18	67.68	49.74	103.75	0	0	0	0	0	21.54
PM	12.27	11.70	5.23	20.22	15.70	34.67	0.00	0.00	0.00	0.00	0.00	8.99
SOx	1.21	1.15	0.51	1.99	1.54	3.41	0.00	0.00	0.00	0.00	0.00	0.88
CO	106.27	101.37	45.33	175.12	135.96	300.30	0.00	0.00	0.00	0.00	0.00	77.82
NH3 Usage (MMCF)	3.312	2.362	1.049	4.169	3.967	6.993	0.000	0.000	0.000	0.000	0.000	1.809

GE LM-2500-33 GAS TURBINE			
EMISSION SUBTOTALS		EMISSION FACTORS	
17.83 MMCF		GAS	FUEL OIL
0.00 MMCF		LBS/MMCF	LBS/MGAL
ROC	252.35 LBS	0.13 TONS	14.15 1.84
NOx	324.22 LBS	0.16 TONS	CEM CEM
PM	108.79 LBS	0.05 TONS	6.10 3.10
SOx	10.70 LBS	0.01 TONS	0.60 24.41
CO	942.16 LBS	0.47 TONS	52.63 4.45

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

	1	2	3	4	5	6	7	8	9	10	11	12
Month	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20
Fuel Gas (MMCF)	6.841	6.257	5.838	5.676	6.467	6.495	7.716	8.638	7.942	8.756	4.453	4.997
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	92.01	84.16	78.53	76.34	87.24	87.35	103.79	116.17	106.81	117.77	59.89	67.21
NOx	348.48	318.75	297.41	289.13	330.43	330.84	393.08	439.99	404.54	446.03	226.84	254.55
PM	51.99	47.56	44.37	43.14	49.30	49.36	58.65	65.65	60.36	66.55	33.84	37.98
SOx	4.10	3.75	3.60	3.41	3.89	3.90	4.63	5.18	4.76	5.25	2.67	3.00
CO	2120.72	1939.79	1809.91	1759.55	2010.63	2013.33	2392.11	2677.63	2461.89	2714.36	1380.43	1549.07

BABCOCK & WILCOX BOILERS			
EMISSION SUBTOTALS		EMISSION FACTORS	
80.10 MMCF		GAS	FUEL OIL
0.00 MMCF		LBS/MMCF	LBS/MGAL
ROC	1077.29 LBS	0.54 TONS	13.45 1.60
NOx	4080.07 LBS	2.04 TONS	50.94 20.74
PM	608.73 LBS	0.30 TONS	7.60 2.00
SOx	48.06 LBS	0.02 TONS	0.60 24.41
CO	24829.62 LBS	12.41 TONS	310.00 43.92

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	1329.63 LBS 0.66 TONS
NOx	4404.29 LBS 2.20 TONS
PM	717.51 LBS 0.35 TONS
SOx	58.76 LBS 0.03 TONS
CO	25771.78 LBS 12.89 TONS

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

	1	2	3	4	5	6	7	8	9	10	11	12
Month	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20
Maintenance	0.00	0.40	0.00	0.20	0.10	0.20	0.40	0.00	0.30	0.00	0.00	0.00
Emergency	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.20	0.00

TOTAL HOURS
1.60 HOURS
4.20 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)

	1	2	3	4	5	6	7	8	9	10	11	12
Month	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20
Fuel Gas (MMCF)	1.92	0.86	3.31	2.57	5.66	0.00	0.00	0.00	0.00	0.00	1.47	5.40
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	27.15	12.14	46.90	36.42	80.43	0.00	0.00	0.00	0.00	0.00	20.84	76.34
NOx	27.16	14.18	67.68	49.74	103.75	0	0	0	0	0	21.54	109.19
PM	11.70	5.23	20.22	15.70	34.67	0.00	0.00	0.00	0.00	0.00	8.99	32.91
SOx	1.15	0.51	1.99	1.54	3.41	0.00	0.00	0.00	0.00	0.00	0.88	3.24
CO	101.37	45.33	175.12	135.96	300.30	0.00	0.00	0.00	0.00	0.00	77.62	285.02
NH3 Usage (MMCF)	2.362	1.049	4.169	3.967	6.993	0.000	0.000	0.000	0.000	0.000	1.808	6.742

GE LM-2500-33 GAS TURBINE			
EMISSION SUBTOTALS		EMISSION FACTORS	
21.22 MMCF		GAS	FUEL OIL
0.00 MMCF		LBS/MMCF	LBS/MGAL
ROC	300.23 LBS	0.15 TONS	14.15 1.84
NOx	393.24 LBS	0.20 TONS	CEM CEM
PM	129.43 LBS	0.06 TONS	6.10 3.10
SOx	12.73 LBS	0.01 TONS	0.60 24.41
CO	1120.91 LBS	0.56 TONS	52.83 4.45

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

	1	2	3	4	5	6	7	8	9	10	11	12
Month	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20
Fuel Gas (MMCF)	6.257	5.838	5.676	6.487	6.495	7.716	8.636	7.942	8.756	4.453	4.897	4.688
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	84.16	78.53	76.34	87.24	87.35	103.79	116.17	106.81	117.77	59.89	67.21	63.05
NOx	318.75	297.41	289.13	330.43	330.84	393.08	439.99	404.54	446.03	226.84	254.55	238.81
PM	47.56	44.37	43.14	49.30	49.36	58.65	65.65	60.36	66.55	33.84	37.98	35.63
SOx	3.75	3.50	3.41	3.89	3.90	4.63	5.18	4.76	5.26	2.67	3.00	2.81
CO	1939.79	1809.91	1759.55	2010.83	2013.33	2392.11	2677.63	2461.89	2714.36	1380.43	1549.07	1453.28

BABCOCK & WILCOX BOILERS			
EMISSION SUBTOTALS		EMISSION FACTORS	
77.94 MMCF		GAS	FUEL OIL
0.00 MMCF		LBS/MMCF	LBS/MGAL
ROC	1048.33 LBS	0.52 TONS	13.45 1.60
NOx	3970.39 LBS	1.99 TONS	50.94 20.74
PM	592.36 LBS	0.30 TONS	7.60 2.00
SOx	46.77 LBS	0.02 TONS	0.60 24.41
CO	24162.18 LBS	12.08 TONS	310.00 43.92

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	1348.55 LBS 0.67 TONS
NOx	4363.63 LBS 2.18 TONS
PM	721.79 LBS 0.36 TONS
SOx	59.50 LBS 0.03 TONS
CO	25283.09 LBS 12.64 TONS

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

	1	2	3	4	5	6	7	8	9	10	11	12
Month	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20
Maintenance	0.40	0.00	0.20	0.10	0.20	0.40	0.00	0.30	0.00	0.00	0.00	0.30
Emergency	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.20	0.00	0.00

TOTAL HOURS	
Maintenance	1.90 HOURS
Emergency	4.20 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
	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20
Fuel Gas (MMCF)	0.86	3.31	2.57	5.68	0.00	0.00	0.00	0.00	0.00	1.47	5.40	11.94
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	12.14	46.90	36.42	80.43	0.00	0.00	0.00	0.00	0.00	20.84	76.34	168.95
NOx	14.18	67.68	49.74	103.75	0	0	0	0	0	21.54	109.19	206.7
PM	5.23	20.22	15.70	34.67	0.00	0.00	0.00	0.00	0.00	8.99	32.91	72.83
SOx	0.51	1.99	1.54	3.41	0.00	0.00	0.00	0.00	0.00	0.88	3.24	7.16
CO	45.33	175.12	135.96	300.30	0.00	0.00	0.00	0.00	0.00	77.82	285.02	630.79
NH3 Usage (MMCF)	1.049	4.169	3.967	6.993	0.000	0.000	0.000	0.000	0.000	1.808	6.742	14.693

GE LM-2500-33 GAS TURBINE			
EMISSION SUBTOTALS		EMISSION FACTORS	
31.24	MMCF		
0.00	MMCF	GAS	FUEL OIL
		LBS/MMCF	LBS/MGAL
442.03	LBS	0.22	TONS
572.78	LBS	0.29	TONS
190.56	LBS	0.10	TONS
18.74	LBS	0.01	TONS
1650.33	LBS	0.83	TONS

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

Month	1	2	3	4	5	6	7	8	9	10	11	12
	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20
Fuel Gas (MMCF)	5.838	5.676	6.487	6.495	7.716	8.638	7.942	8.756	4.453	4.997	4.669	4.569
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	78.53	76.34	87.24	87.35	103.79	116.17	106.81	117.77	59.89	67.21	63.05	61.45
NOx	297.41	289.13	330.43	330.84	393.08	439.99	404.54	446.03	226.84	254.55	238.81	232.74
PM	44.37	43.14	49.30	49.36	58.65	65.65	60.36	66.55	33.84	37.98	35.63	34.72
SOx	3.50	3.41	3.89	3.90	4.63	5.18	4.76	5.25	2.67	3.00	2.81	2.74
CO	1809.91	1759.55	2010.83	2013.33	2392.11	2677.63	2461.89	2714.36	1380.43	1549.07	1453.28	1416.39

BABCOCK & WILCOX BOILERS			
EMISSION SUBTOTALS		EMISSION FACTORS	
76.25	MMCF		
0.00	MMCF	GAS	FUEL OIL
		LBS/MMCF	LBS/MGAL
1025.62	LBS	0.51	TONS
3884.39	LBS	1.94	TONS
579.53	LBS	0.29	TONS
45.75	LBS	0.02	TONS
23638.78	LBS	11.82	TONS

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	1467.64	LBS
NOx	4457.17	LBS
PM	770.09	LBS
SOx	64.50	LBS
CO	25289.11	LBS

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

Month	1	2	3	4	5	6	7	8	9	10	11	12
	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20
Maintenance	0.00	0.20	0.10	0.20	0.40	0.00	0.30	0.00	0.00	0.00	0.30	0.00
Emergency	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.20	0.00	0.00	0.00

TOTAL HOURS
1.50 HOURS
4.20 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)

	1	2	3	4	5	6	7	8	9	10	11	12
Month	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20
Fuel Gas (MMCF)	3.31	2.57	5.68	0.00	0.00	0.00	0.00	0.00	1.47	5.40	11.94	18.92
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	46.90	36.42	80.43	0.00	0.00	0.00	0.00	0.00	20.84	76.34	168.95	267.69
NOx	67.68	49.74	103.75	0	0	0	0	0	21.54	109.19	206.7	367.96
PM	20.22	15.70	34.67	0.00	0.00	0.00	0.00	0.00	8.99	32.91	72.83	115.40
SOx	1.99	1.54	3.41	0.00	0.00	0.00	0.00	0.00	0.88	3.24	7.16	11.35
CO	175.12	135.96	300.30	0.00	0.00	0.00	0.00	0.00	77.82	285.02	630.79	999.44
NH3 Usage (MMCF)	4.169	3.967	6.993	0.000	0.000	0.000	0.000	0.000	1.808	6.742	14.693	22.821

GE LM-2500-33 GAS TURBINE			
EMISSION SUBTOTALS		EMISSION FACTORS	
49.30 MMCF		GAS	FUEL OIL
0.00 MMCF		LBS/MMCF	LBS/MGAL
ROC	697.58 LBS	0.35 TONS	14.15 1.84
NOx	926.58 LBS	0.46 TONS	CEM CEM
PM	300.72 LBS	0.15 TONS	6.10 3.10
SOx	29.58 LBS	0.01 TONS	0.80 24.41
CO	2604.45 LBS	1.30 TONS	52.83 4.45

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

	1	2	3	4	5	6	7	8	9	10	11	12
Month	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20
Fuel Gas (MMCF)	5.676	6.487	6.495	7.716	8.638	7.942	8.756	4.453	4.997	4.688	4.569	4.582
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	76.34	87.24	87.35	103.79	116.17	106.81	117.77	59.89	67.21	63.05	61.45	61.63
NOx	289.13	330.43	330.84	393.08	439.99	404.54	446.03	226.84	254.55	238.81	232.74	233.41
PM	43.14	49.30	49.36	58.65	65.65	60.36	66.55	33.84	37.98	35.63	34.72	34.82
SOx	3.41	3.89	3.90	4.63	5.18	4.76	5.25	2.67	3.00	2.81	2.74	2.75
CO	1759.55	2010.83	2013.33	2392.11	2677.63	2461.89	2714.36	1380.43	1549.07	1453.28	1416.39	1420.42

BABCOCK & WILCOX BOILERS			
EMISSION SUBTOTALS		EMISSION FACTORS	
76.00 MMCF		GAS	FUEL OIL
0.00 MMCF		LBS/MMCF	LBS/MGAL
ROC	1008.72 LBS	0.50 TONS	13.45 1.60
NOx	3820.38 LBS	1.91 TONS	50.94 20.74
PM	569.98 LBS	0.28 TONS	7.60 2.00
SOx	45.00 LBS	0.02 TONS	0.60 24.41
CO	23249.28 LBS	11.62 TONS	310.00 43.92

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	1706.29 LBS	0.85 TONS
NOx	4746.94 LBS	2.37 TONS
PM	670.70 LBS	0.44 TONS
SOx	74.58 LBS	0.04 TONS
CO	25853.73 LBS	12.93 TONS

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

	1	2	3	4	5	6	7	8	9	10	11	12
Month	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20
Maintenance	0.20	0.10	0.20	0.40	0.00	0.30	0.00	0.00	0.00	0.30	0.00	1.20
Emergency	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.20	0.00	0.00	0.00	0.00

TOTAL HOURS
2.70 HOURS
4.20 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
Month	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20
Fuel Gas (MMCF)	2.57	5.68	0.00	0.00	0.00	0.00	0.00	1.47	5.40	11.94	18.92	10.77
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	36.42	80.43	0.00	0.00	0.00	0.00	0.00	20.84	76.34	168.95	267.69	152.42
NOx	49.74	103.75	0	0	0	0	0	21.54	109.19	206.7	367.96	172.13
PM	15.70	34.67	0.00	0.00	0.00	0.00	0.00	8.99	32.91	72.83	115.40	65.71
SOx	1.54	3.41	0.00	0.00	0.00	0.00	0.00	0.88	3.24	7.16	11.35	6.46
CO	135.96	300.30	0.00	0.00	0.00	0.00	0.00	77.82	285.02	630.79	999.44	569.08
NH3 Usage (MMCF)	3.967	6.993	0.000	0.000	0.000	0.000	0.000	1.808	6.742	14.693	22.821	12.165

GE LM-2500-33 GAS TURBINE			
EMISSION SUBTOTALS		EMISSION FACTORS	
56.76 MMCF		GAS	FUEL OIL
0.00 MMCF		LBS/MMCF	LBS/MGAL
ROC	803.10 LBS	0.40 TONS	14.15
NOx	1031.01 LBS	0.52 TONS	CEM
PM	346.21 LBS	0.17 TONS	6.10
SOx	34.05 LBS	0.02 TONS	0.60
CO	2998.41 LBS	1.50 TONS	52.83

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

Month	1	2	3	4	5	6	7	8	9	10	11	12
Month	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20
Fuel Gas (MMCF)	6.487	6.495	7.716	8.638	7.942	8.756	4.453	4.997	4.688	4.569	4.582	4.521
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	87.24	87.35	103.79	116.17	106.81	117.77	59.89	67.21	63.05	61.45	61.63	60.81
NOx	330.43	330.84	393.08	439.99	404.54	446.03	226.84	254.55	238.81	232.74	233.41	230.30
PM	49.30	49.36	58.65	65.65	60.36	66.55	33.84	37.98	35.63	34.72	34.82	34.36
SOx	3.89	3.90	4.63	5.18	4.76	5.25	2.67	3.00	2.81	2.74	2.75	2.71
CO	2010.83	2013.33	2392.11	2677.63	2461.89	2714.36	1380.43	1549.07	1453.28	1416.39	1420.42	1401.51

BABCOCK & WILCOX BOILERS			
EMISSION SUBTOTALS		EMISSION FACTORS	
73.84 MMCF		GAS	FUEL OIL
0.00 MMCF		LBS/MMCF	LBS/MGAL
ROC	993.18 LBS	0.50 TONS	13.45
NOx	3761.55 LBS	1.88 TONS	50.94
PM	561.20 LBS	0.28 TONS	7.60
SOx	44.31 LBS	0.02 TONS	0.60
CO	22891.25 LBS	11.45 TONS	310.00

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	1796.28 LBS	0.90 TONS
NOx	4792.56 LBS	2.40 TONS
PM	907.42 LBS	0.45 TONS
SOx	78.36 LBS	0.04 TONS
CO	25899.66 LBS	12.94 TONS

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

Month	1	2	3	4	5	6	7	8	9	10	11	12
Month	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20
Maintenance	0.10	0.20	0.40	0.00	0.30	0.00	0.00	0.00	0.30	0.00	1.20	0.20
Emergency	0.00	0.00	0.00	0.00	0.00	0.00	4.20	0.00	0.00	0.00	0.00	0.00

TOTAL HOURS	
Maintenance	2.70 HOURS
Emergency	4.20 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)

	1	2	3	4	5	6	7	8	9	10	11	12
Month	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20
Fuel Gas (MMCF)	5.68	0.00	0.00	0.00	0.00	0.00	1.47	5.40	11.94	18.92	10.77	11.99
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	80.43	0.00	0.00	0.00	0.00	0.00	20.84	76.34	168.95	267.69	152.42	168.40
NOx	103.75	0	0	0	0	0	21.54	109.19	206.7	367.96	172.13	235.32
PM	34.67	0.00	0.00	0.00	0.00	0.00	8.99	32.91	72.83	115.40	65.71	72.60
SOx	3.41	0.00	0.00	0.00	0.00	0.00	0.88	3.24	7.16	11.35	6.46	7.14
CO	300.30	0.00	0.00	0.00	0.00	0.00	77.82	285.02	630.79	999.44	569.08	628.73
NH3 Usage (MMCF)	6.993	0.000	0.000	0.000	0.000	0.000	1.808	6.742	14.693	22.821	12.165	15.387

GE LM-2500-33 GAS TURBINE			
EMISSION SUBTOTALS		EMISSION FACTORS	
66.08 MMCF		GAS	FUEL OIL
0.00 MMCF		LBS/MMCF	LBS/MGAL
ROC	935.08 LBS	0.47 TONS	14.15 1.84
NOx	1216.59 LBS	0.61 TONS	CEM CEM
PM	403.11 LBS	0.20 TONS	6.10 3.10
SOx	39.85 LBS	0.02 TONS	0.60 24.41
CO	3491.18 LBS	1.75 TONS	52.83 4.45

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

	1	2	3	4	5	6	7	8	9	10	11	12
Month	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20
Fuel Gas (MMCF)	6.495	7.716	8.638	7.942	8.756	4.453	4.997	4.688	4.569	4.582	4.521	4.741
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	87.35	103.79	116.17	106.81	117.77	59.89	67.21	63.05	61.45	61.63	60.81	63.77
NOx	330.84	393.08	439.99	404.54	446.03	226.84	254.55	238.81	232.74	233.41	230.30	241.51
PM	49.36	58.65	65.65	60.36	66.55	33.84	37.98	35.63	34.72	34.82	34.36	36.03
SOx	3.99	4.63	5.18	4.76	5.25	2.67	3.00	2.81	2.74	2.75	2.71	2.84
CO	2013.33	2392.11	2677.63	2461.89	2714.36	1380.43	1549.07	1453.28	1416.39	1420.42	1401.51	1469.71

BABCOCK & WILCOX BOILERS			
EMISSION SUBTOTALS		EMISSION FACTORS	
72.10 MMCF		GAS	FUEL OIL
0.00 MMCF		LBS/MMCF	LBS/MGAL
ROC	969.71 LBS	0.48 TONS	13.45 1.60
NOx	3672.83 LBS	1.84 TONS	50.94 20.74
PM	547.94 LBS	0.27 TONS	7.60 2.00
SOx	43.26 LBS	0.02 TONS	0.60 24.41
CO	22350.12 LBS	11.18 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

ROC	14.88 TONS
NOx	33.38 TONS
PM	8.73 TONS
SOx	25.01 TONS
CO	57.59 TONS

EMISSION TOTALS

ROC	1904.79 LBS	0.95 TONS
NOx	4889.22 LBS	2.44 TONS
PM	951.05 LBS	0.48 TONS
SOx	82.91 LBS	0.04 TONS
CO	25841.30 LBS	12.92 TONS

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

	1	2	3	4	5	6	7	8	9	10	11	12
Month	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20
Maintenance	0.20	0.40	0.00	0.30	0.00	0.00	0.00	0.30	0.00	1.20	0.20	0.00
Emergency	0.00	0.00	0.00	0.00	0.00	4.20	0.00	0.00	0.00	0.00	0.00	0.00

TOTAL HOURS
2.60 HOURS
4.20 HOURS

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

PERMITTED LIMITS
Maintenance
Emergency

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)

	1	2	3	4	5	6	7	8	9	10	11	12
Month	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20
Fuel Gas (MMCF)	0.00	0.00	0.00	0.00	0.00	1.47	5.40	11.94	18.92	10.77	11.90	8.38
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	0.00	0.00	0.00	0.00	0.00	20.84	76.34	168.95	267.69	152.42	168.40	118.53
NOx	0	0	0	0	0	21.54	109.19	206.7	367.96	172.13	235.32	202.29
PM	0.00	0.00	0.00	0.00	0.00	8.99	32.91	72.83	115.40	65.71	72.60	51.10
SOx	0.00	0.00	0.00	0.00	0.00	0.88	3.24	7.16	11.35	6.46	7.14	5.03
CO	0.00	0.00	0.00	0.00	0.00	77.82	285.02	630.79	999.44	569.08	626.73	442.56
NH3 Usage (MMCF)	0.000	0.000	0.000	0.000	0.000	1.808	6.742	14.693	22.821	12.165	15.387	11.266

GE LM-2500-33 GAS TURBINE			
EMISSION SUBTOTALS		EMISSION FACTORS	
68.78	MMCF		
0.00	MMCF	GAS	FUEL OIL
		LBS/MMCF	LBS/MGAL
973.18	LBS	0.49	TONS
1315.13	LBS	0.66	TONS
419.53	LBS	0.21	TONS
41.27	LBS	0.02	TONS
3633.44	LBS	1.82	TONS

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

	1	2	3	4	5	6	7	8	9	10	11	12
Month	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20
Fuel Gas (MMCF)	7.716	8.638	7.942	8.756	4.453	4.997	4.688	4.569	4.582	4.521	4.741	4.879
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	103.79	116.17	106.61	117.77	59.69	67.21	63.05	61.45	61.63	60.81	63.77	65.62
NOx	393.08	439.99	404.54	446.03	226.84	254.55	238.81	232.74	233.41	230.30	241.51	248.54
PM	58.65	65.65	60.36	66.55	33.84	37.98	35.63	34.72	34.82	34.36	36.03	37.08
SOx	4.63	5.18	4.76	5.25	2.67	3.00	2.81	2.74	2.75	2.71	2.84	2.93
CO	2392.11	2677.63	2461.89	2714.36	1380.43	1549.07	1453.28	1416.39	1420.42	1401.51	1469.71	1512.49

BABCOCK & WILCOX BOILERS			
EMISSION SUBTOTALS		EMISSION FACTORS	
70.48	MMCF		
0.00	MMCF	GAS	FUEL OIL
		LBS/MMCF	LBS/MGAL
947.98	LBS	0.47	TONS
3590.33	LBS	1.80	TONS
535.66	LBS	0.27	TONS
42.29	LBS	0.02	TONS
21849.29	LBS	10.92	TONS

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

PERMITTED CONDITIONS (PER YEAR)		EMISSION TOTALS	
ROC	14.88 TONS	ROC	1921.16 LBS
NOx	33.38 TONS	NOx	4905.46 LBS
PM	8.73 TONS	PM	955.19 LBS
SOx	25.01 TONS	SOx	83.55 LBS
CO	57.59 TONS	CO	25462.72 LBS

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

	1	2	3	4	5	6	7	8	9	10	11	12
Month	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20
Maintenance	0.40	0.00	0.30	0.00	0.00	0.00	0.30	0.00	1.20	0.20	0.00	0.30
Emergency	0.00	0.00	0.00	0.00	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TOTAL HOURS
2.70 HOURS
4.20 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)

	1	2	3	4	5	6	7	8	9	10	11	12
Month	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
Fuel Gas (MMCF)	0.00	0.00	0.00	0.00	1.47	5.40	11.94	18.92	10.77	11.90	8.38	4.33
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	0.00	0.00	0.00	0.00	20.84	76.34	168.95	267.69	152.42	168.40	118.53	61.27
NOx	0	0	0	0	21.54	109.19	208.7	367.96	172.13	235.32	202.29	96.03
PM	0.00	0.00	0.00	0.00	8.99	32.91	72.83	115.40	65.71	72.60	51.10	26.41
SOx	0.00	0.00	0.00	0.00	0.88	3.24	7.16	11.35	6.46	7.14	5.03	2.60
CO	0.00	0.00	0.00	0.00	77.82	285.02	630.79	999.44	569.08	628.73	442.56	228.75
NH3 Usage (MMCF)	0.000	0.000	0.000	0.000	1.808	6.742	14.693	22.921	12.165	15.387	11.266	5.112

GE LM-2500-33 GAS TURBINE			
EMISSION SUBTOTALS		EMISSION FACTORS	
73.11 MMCF		GAS	FUEL OIL
0.00 MMCF		LBS/MMCF	LBS/MGAL
ROC	1034.45 LBS	0.52 TONS	14.15 1.84
NOx	1411.16 LBS	0.71 TONS	CEM CEM
PM	445.95 LBS	0.22 TONS	6.10 3.10
SOx	43.86 LBS	0.02 TONS	0.60 24.41
CO	3862.19 LBS	1.93 TONS	52.83 4.45

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

	1	2	3	4	5	6	7	8	9	10	11	12
Month	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
Fuel Gas (MMCF)	6.638	7.942	8.756	4.453	4.997	4.683	4.569	4.582	4.521	4.741	4.879	5.178
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	116.17	106.81	117.77	59.89	67.21	63.05	61.45	61.63	60.81	63.77	65.62	69.64
NOx	439.99	404.54	446.03	226.84	254.55	238.81	232.74	233.41	230.30	241.51	248.54	263.77
PM	65.65	60.36	66.55	33.84	37.98	35.63	34.72	34.82	34.36	36.03	37.08	39.35
SOx	5.18	4.76	5.25	2.67	3.00	2.81	2.74	2.75	2.71	2.84	2.93	3.11
CO	2677.63	2461.69	2714.36	1380.43	1549.07	1453.28	1416.39	1420.42	1401.51	1489.71	1512.49	1605.18

BABCOCK & WILCOX BOILERS			
EMISSION SUBTOTALS		EMISSION FACTORS	
67.94 MMCF		GAS	FUEL OIL
0.00 MMCF		LBS/MMCF	LBS/MGAL
ROC	913.83 LBS	0.46 TONS	13.45 1.60
NOx	3461.02 LBS	1.73 TONS	50.94 20.74
PM	516.37 LBS	0.26 TONS	7.60 2.00
SOx	40.77 LBS	0.02 TONS	0.60 24.41
CO	21062.35 LBS	10.53 TONS	310.00 43.92

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	1948.28 LBS	0.97 TONS
NOx	4872.18 LBS	2.44 TONS
PM	962.31 LBS	0.48 TONS
SOx	84.63 LBS	0.04 TONS
CO	24924.54 LBS	12.46 TONS

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

	1	2	3	4	5	6	7	8	9	10	11	12
Month	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
Maintenance	0.00	0.30	0.00	0.00	0.00	0.30	0.00	1.20	0.20	0.00	0.30	0.00
Emergency	0.00	0.00	0.00	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TOTAL HOURS
2.30 HOURS
4.20 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
	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21
Fuel Gas (MMCF)	0.00	0.00	0.00	1.47	5.40	11.94	18.92	10.77	11.90	8.38	4.33	0.00
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	0.00	0.00	0.00	20.84	76.34	169.95	267.69	152.42	168.40	118.53	61.27	0.00
NOx	0	0	0	21.54	109.19	206.7	367.96	172.13	235.32	202.29	96.03	0
PM	0.00	0.00	0.00	8.99	32.91	72.83	115.40	65.71	72.60	51.10	26.41	0.00
SOx	0.00	0.00	0.00	0.88	3.24	7.16	11.35	6.46	7.14	5.03	2.60	0.00
CO	0.00	0.00	0.00	77.82	285.02	630.79	999.44	569.08	628.73	442.56	228.75	0.00
NH3 Usage (MMCF)	0.000	0.000	0.000	1.808	6.742	14.693	22.821	12.165	15.387	11.266	5.112	0.000

GE LM-2500-33 GAS TURBINE			
EMISSION SUBTOTALS		EMISSION FACTORS	
73.11 MMCF		GAS	FUEL OIL
0.00 MMCF		LBS/MMCF	LBS/MGAL
1034.45 LBS	0.52 TONS	14.15	1.84
1411.16 LBS	0.71 TONS	CEM	CEM
445.95 LBS	0.22 TONS	6.10	3.10
43.86 LBS	0.02 TONS	0.60	24.41
3862.19 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
	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21
Fuel Gas (MMCF)	7.942	6.756	4.453	4.997	4.688	4.589	4.582	4.521	4.741	4.879	5.178	5.226
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	106.81	117.77	59.89	67.21	63.05	61.45	61.63	60.81	63.77	65.62	69.64	70.28
NOx	404.54	446.03	226.84	254.55	238.81	232.74	233.41	230.30	241.51	248.54	263.77	266.19
PM	60.36	66.55	33.84	37.98	36.63	34.72	34.82	34.36	36.03	37.08	39.35	39.71
SOx	4.76	5.25	2.67	3.00	2.81	2.74	2.75	2.71	2.84	2.93	3.11	3.14
CO	2461.89	2714.36	1380.43	1549.07	1453.28	1416.39	1420.42	1401.51	1469.71	1512.49	1605.18	1619.94

BABCOCK & WILCOX BOILERS			
EMISSION SUBTOTALS		EMISSION FACTORS	
64.53 MMCF		GAS	FUEL OIL
0.00 MMCF		LBS/MMCF	LBS/MGAL
867.94 LBS	0.43 TONS	13.45	1.80
3287.22 LBS	1.64 TONS	50.94	20.74
490.44 LBS	0.25 TONS	7.60	2.00
38.72 LBS	0.02 TONS	0.60	24.41
20004.66 LBS	10.00 TONS	310.00	43.92

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

PERMITTED CONDITIONS (PER YEAR)		EMISSION TOTALS	
ROC	14.88 TONS	ROC	1902.39 LBS
NOx	33.38 TONS	NOx	4698.38 LBS
PM	8.73 TONS	PM	936.38 LBS
SOx	25.01 TONS	SOx	82.58 LBS
CO	57.59 TONS	CO	23866.85 LBS
			0.95 TONS
			2.35 TONS
			0.47 TONS
			0.04 TONS
			11.93 TONS

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

Month	1	2	3	4	5	6	7	8	9	10	11	12
	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21
Maintenance	0.30	0.00	0.00	0.00	0.30	0.00	1.20	0.20	0.00	0.30	0.00	0.20
Emergency	0.00	0.00	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TOTAL HOURS
2.50 HOURS
4.20 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)

	1	2	3	4	5	6	7	8	9	10	11	12
Month	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21
Fuel Gas (MMCF)	0.00	0.00	1.47	5.40	11.94	18.92	10.77	11.90	8.38	4.33	0.00	6.57
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	0.00	0.00	20.84	76.34	168.95	267.89	152.42	169.40	118.53	61.27	0.00	92.91
NOx	0	0	21.54	109.19	206.7	367.96	172.13	235.32	202.29	96.03	0	143.3
PM	0.00	0.00	8.99	32.91	72.83	115.40	65.71	72.60	51.10	26.41	0.00	40.05
SOx	0.00	0.00	0.88	3.24	7.16	11.35	6.46	7.14	5.03	2.60	0.00	3.94
CO	0.00	0.00	77.82	285.02	630.79	999.44	569.08	628.73	442.56	228.75	0.00	346.88
NH3 Usage (MMCF)	0.000	0.000	1.808	6.742	14.693	22.821	12.165	15.387	11.266	5.112	0.000	9.483

GE LM-2500-33 GAS TURBINE			
EMISSION SUBTOTALS		EMISSION FACTORS	
79.67 MMCF		GAS	FUEL OIL
0.00 MMCF		LBS/MMCF	LBS/MGAL
ROC	1127.36 LBS	0.56 TONS	14.15 1.84
NOx	1554.46 LBS	0.78 TONS	CEM CEM
PM	486.00 LBS	0.24 TONS	6.10 3.10
SOx	47.80 LBS	0.02 TONS	0.60 24.41
CO	4209.07 LBS	2.10 TONS	52.83 4.45

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

	1	2	3	4	5	6	7	8	9	10	11	12
Month	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21
Fuel Gas (MMCF)	8.756	4.453	4.997	4.683	4.569	4.532	4.521	4.741	4.879	5.178	5.226	4.494
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	117.77	59.89	67.21	63.05	61.45	61.63	60.81	63.77	65.62	69.64	70.28	60.44
NOx	446.03	226.84	254.55	238.81	232.74	233.41	230.30	241.51	248.54	263.77	266.19	228.92
PM	66.55	33.84	37.98	35.63	34.72	34.82	34.36	36.03	37.08	39.35	39.71	34.15
SOx	5.25	2.67	3.00	2.81	2.74	2.75	2.71	2.84	2.93	3.11	3.14	2.70
CO	2714.36	1380.43	1549.07	1453.28	1416.39	1420.42	1401.51	1469.71	1512.49	1605.18	1619.94	1393.14

BABCOCK & WILCOX BOILERS			
EMISSION SUBTOTALS		EMISSION FACTORS	
61.08 MMCF		GAS	FUEL OIL
0.00 MMCF		LBS/MMCF	LBS/MGAL
ROC	821.57 LBS	0.41 TONS	13.45 1.60
NOx	3111.60 LBS	1.56 TONS	50.84 20.74
PM	464.24 LBS	0.23 TONS	7.60 2.00
SOx	36.65 LBS	0.02 TONS	0.60 24.41
CO	18935.92 LBS	9.47 TONS	310.00 43.92

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	1948.93 LBS	0.97 TONS
NOx	4666.06 LBS	2.33 TONS
PM	950.23 LBS	0.48 TONS
SOx	84.45 LBS	0.04 TONS
CO	23144.99 LBS	11.57 TONS

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

	1	2	3	4	5	6	7	8	9	10	11	12
Month	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21
Maintenance	0.00	0.00	0.00	0.30	0.00	1.20	0.20	0.00	0.30	0.00	0.20	0.20
Emergency	0.00	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TOTAL HOURS	
Maintenance	2.40 HOURS
Emergency	4.20 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
Month	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21
Fuel Gas (MMCF)	0.00	1.47	5.40	11.94	18.92	10.77	11.90	8.38	4.33	0.00	6.57	0.86
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	0.00	20.84	76.34	168.95	267.69	152.42	168.40	118.53	61.27	0.00	92.91	12.21
NOx	0	21.54	109.19	206.7	367.96	172.13	235.32	202.29	96.03	0	143.3	18.67
PM	0.00	8.99	32.91	72.83	115.40	65.71	72.60	51.10	26.41	0.00	40.05	5.26
SOx	0.00	0.88	3.24	7.16	11.35	6.46	7.14	5.03	2.60	0.00	3.94	0.52
CO	0.00	77.82	285.02	630.79	999.44	569.08	628.73	442.56	228.75	0.00	346.88	45.59
NH3 Usage (MMCF)	0.000	1.808	6.742	14.693	22.821	12.165	15.387	11.266	5.112	0.000	9.483	1.512

GE LM-2500-33 GAS TURBINE			
EMISSION SUBTOTALS		EMISSION FACTORS	
80.53 MMCF		GAS	FUEL OIL
0.00 MMCF		LBS/MMCF	LBS/MGAL
ROC	1139.57 LBS	0.57 TONS	14.15 1.84
NOx	1573.13 LBS	0.79 TONS	CEM CEM
PM	491.26 LBS	0.25 TONS	6.10 3.10
SOx	48.32 LBS	0.02 TONS	0.60 24.41
CO	4254.66 LBS	2.13 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
Month	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21
Fuel Gas (MMCF)	4.453	4.997	4.688	4.569	4.582	4.521	4.741	4.879	5.178	5.226	4.494	4.664
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	59.89	67.21	63.05	61.45	61.63	60.81	63.77	65.82	69.64	70.28	60.44	62.73
NOx	226.84	254.55	238.81	232.74	233.41	230.30	241.51	248.54	263.77	266.19	228.92	237.58
PM	33.84	37.98	35.63	34.72	34.82	34.36	36.03	37.08	39.35	39.71	34.15	35.45
SOx	2.67	3.00	2.81	2.74	2.75	2.71	2.84	2.93	3.11	3.14	2.70	2.80
CO	1380.43	1549.07	1453.28	1416.39	1420.42	1401.51	1469.71	1512.49	1605.18	1619.94	1393.14	1445.84

BABCOCK & WILCOX BOILERS			
EMISSION SUBTOTALS		EMISSION FACTORS	
56.99 MMCF		GAS	FUEL OIL
0.00 MMCF		LBS/MMCF	LBS/MGAL
ROC	766.54 LBS	0.38 TONS	13.45 1.60
NOx	2903.15 LBS	1.45 TONS	50.94 20.74
PM	433.14 LBS	0.22 TONS	7.60 2.00
SOx	34.19 LBS	0.02 TONS	0.60 24.41
CO	17667.40 LBS	8.83 TONS	310.00 43.92

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

ROC
NOx
PM
SOx
CO

PERMITTED CONDITIONS (PER YEAR)
14.88 TONS
33.38 TONS
8.73 TONS
25.01 TONS
57.58 TONS

ROC
NOx
PM
SOx
CO

EMISSION TOTALS	
1906.11 LBS	0.95 TONS
4476.28 LBS	2.24 TONS
924.40 LBS	0.46 TONS
62.52 LBS	0.04 TONS
21922.05 LBS	10.96 TONS

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

Month	1	2	3	4	5	6	7	8	9	10	11	12
Month	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21
Maintenance	0.00	0.00	0.30	0.00	1.20	0.20	0.00	0.30	0.00	0.20	0.20	1.20
Emergency	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.90

TOTAL HOURS
3.60 HOURS
7.10 HOURS

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

Maintenance
Emergency

PERMITTED LIMITS
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	6	3.67	2.41
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	0	2.31	0.00
Annual Total ROC [lb]							2.41
Rule 23 ROC limit [lb]							200

This page intentionally left blank.

**Attachment PO1267PC2 Condition 6
Standby Operation During Startup**

Date	Minutes	Date	Minutes
5/13/2020	38	9/30/2020	36
5/27/2020	32	10/1/2020	33
6/2/2020	44	10/2/2020	24
6/3/2020	58	10/4/2020	28
6/4/2020	36	10/5/2020	37
6/11/2020	39	10/6/2020	34
6/23/2020	34	10/12/2020	23
6/28/2020	35	10/13/2020	32
7/10/2020	27	10/14/2020	33
7/11/2020	33	10/15/2020	33
7/12/2020	35	10/16/2020	36
7/13/2020	30	10/18/2020	31
7/19/2020	38	10/19/2020	29
7/20/2020	40	10/20/2020	31
7/26/2020	40	11/2/2020	33
7/27/2020	30	11/4/2020	45
7/28/2020	37	11/5/2020	32
7/29/2020	39	11/10/2020	48
7/30/2020	34	11/15/2020	48
7/31/2020	26	11/16/2020	43
8/1/2020	30	12/8/2020	37
8/2/2020	38	12/16/2020	31
8/3/2020	36	12/19/2020	33
8/12/2020	41	12/28/2020	34
8/13/2020	23	12/28/2020	34
8/14/2020	26	2/4/2021	33
8/15/2020	34	2/7/2021	38
8/16/2020	30	2/12/2021	35
8/17/2020	34	2/17/2021	38
8/18/2020	30	2/17/2021	29
8/19/2020	34	3/7/2021	35
8/20/2020	31		
8/24/2020	36		
8/25/2020	32		
8/27/2020	32		
8/28/2020	20		
9/4/2020	35		
9/5/2020	35		
9/6/2020	34		
9/10/2020	27		
9/16/2020	32		
9/18/2020	32		
9/19/2020	31		
9/21/2020	34		
9/24/2020	29		
9/28/2020	35		
9/29/2020	33		



Channel Islands
CALIFORNIA STATE UNIVERSITY

SITE AUTHORITY
CI POWER
45 Rincon Drive Suite 104-A
805-437-2667
805-437-2681 fax

December 7, 2020

Ed Swede
Environmental Engineer, Compliance Section
Ventura County Air Pollution Control District
669 County Square Drive
Ventura, CA 93003

Re: Projected Shutdown Schedule for CY 2021

Mr. Swede,

In compliance with Title V Attachment PO1267PC2 Section 9, the proposed shutdown schedule for CY 2021 is submitted as detailed in Attachment 1.

The facility currently operates under a Dispatch Power Purchase Agreement and the default state of the plant is shutdown unless dispatched by Southern California Edison.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Ysabel Trinidad', written over a blue horizontal line.

135-11100-0001 (12/2020) - PSI

Ysabel Trinidad
Vice President

Attachments:

Attachment 1 – CI Power Cogeneration Plant Projected Shutdown Schedule for CY 2021



November 05, 2020

Memorandum to File

Re: Annual Gas Turbine and Standby Boiler Opacity Survey

1. On November 04, 2020 CI Power Cogeneration performed a Source Test and RATA. Over the course of the testing, 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 05, 2020, 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

Jeffery M. Smith
Plant Manager
CI Power

GT Routine Opacity Checks

Date	Visible Emissions	Date	Visible Emissions
5/13/2020	None	9/30/2020	None
5/27/2020	None	10/1/2020	None
6/2/2020	None	10/2/2020	None
6/3/2020	None	10/4/2020	None
6/4/2020	None	10/5/2020	None
6/11/2020	None	10/6/2020	None
6/23/2020	None	10/12/2020	None
6/28/2020	None	10/13/2020	None
7/10/2020	None	10/14/2020	None
7/11/2020	None	10/15/2020	None
7/12/2020	None	10/16/2020	None
7/13/2020	None	10/18/2020	None
7/19/2020	None	10/19/2020	None
7/20/2020	None	10/20/2020	None
7/26/2020	None	11/2/2020	None
7/27/2020	None	11/4/2020	None
7/28/2020	None	11/5/2020	None
7/29/2020	None	11/10/2020	None
7/30/2020	None	11/15/2020	None
7/31/2020	None	11/16/2020	None
8/1/2020	None	12/8/2020	None
8/2/2020	None	12/16/2020	None
8/3/2020	None	12/19/2020	None
8/12/2020	None	12/28/2020	None
8/13/2020	None	12/28/2020	None
8/14/2020	None	2/4/2021	None
8/15/2020	None	2/7/2021	None
8/16/2020	None	2/12/2021	None
8/17/2020	None	2/17/2021	None
8/18/2020	None	2/17/2021	None
8/19/2020	None	3/7/2021	None
8/20/2020	None		
8/24/2020	None		
8/25/2020	None		
8/27/2020	None		
8/28/2020	None		
9/4/2020	None		
9/5/2020	None		
9/6/2020	None		
9/10/2020	None		
9/16/2020	None		
9/18/2020	None		
9/19/2020	None		
9/21/2020	None		
9/24/2020	None		
9/28/2020	None		
9/29/2020	None		

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	Krylon	7/21/2009	10.25	0	391	Rust preventative coating	400	3.26	0.00
High temp. aerosol paint (Aluminum)	Z630	Zynolyte / Aervoe	3/11/2008	11	0	644	Aerosol coating	Rule 74.2 F.2	5.37	0.00
Galvanizing Compound (aerosol)	7007	Crown / Aervoe	11/30/2010	13	0	295	Aerosol coating	Rule 74.2 F.2	2.46	0.00
Aerosol paint (Black)	Z635	Zynolyte / Aervoe	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
Syn-Lustro Gunmetal Gray	10-12-1	Dunn-Edwards	4/22/2015	32	0	390	Rust Preventative Alkyd Enamel Coating	250	3.25	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 H3H	H3H	Dynamis	4/7/2000	128	0	321	Masonry Sealer	400	2.68	0.00
Navajo White	W705I	Dunn-Edwards	4/1/1999	128	0	140	Industrial Maintenance Coating	250	1.17	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

