

**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, 2016 to March 31, 2017

**May 2017**

A.R.C.D.  
2017 MAY 17 PM 2:16  
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VENTURA COUNTY

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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:


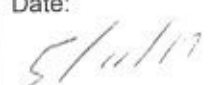
Mr. Gerardo Rios, Chief  
Permits Office (AIR-3)  
Office of Air Division  
EPA Region 9  
75 Hawthorne Street  
San Francisco, CA 94105

**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>Ysabel Trinidad </p> <p>Title:</p> <p>Vice President</p>	<p>Date:</p> <p></p>
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<p>Time Period Covered by Compliance Certification</p> <p><u>04</u> / <u>01</u> / <u>16</u> (MM/DD/YY) to <u>03</u> / <u>31</u> / <u>17</u> (MM/DD/YY)</p>
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## ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 16 (MM/DD/YY) to 03 / 31 / 17 (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 <b>Not applicable</b></p>
<p>C. Method of monitoring: Maintain records of: 1) Annual hours used during maintenance operations 2) Date, time, duration, and reason for emergency operation 3) Engine Manufacturer, model number, operator id, and location.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> <i>*If yes, attach Deviation Summary Form</i></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 <b>Not applicable</b></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> <i>*If yes, attach Deviation Summary Form</i></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 <b>Not applicable</b></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> <i>*If yes, attach Deviation Summary Form</i></p>



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<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 &gt; 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>I</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>Y</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>



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

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

<p>A. Attachment # or Permit Condition #: PO1267PC2 Condition No. 1 &amp; 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&amp;W boilers.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: PO1267PC2 Condition No. 2 &amp; 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&amp;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 &amp; 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&amp;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>





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<p>A. Attachment # or Permit Condition #: PO1267PC2 Condition No. 5</p> <p>B. Description: Additional Permit Requirements Condition No. 5 - Steam Boilers - CEM for excess Oxygen in Exhaust Stacks</p> <p>C. Method of monitoring: Continuous in-stack emissions monitoring and recording of excess oxygen in exhaust stacks of B&amp;W boilers.</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>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. 6</p> <p>B. Description: Additional Permit Requirements Condition No. 6 - Steam Boilers - Standby Service</p> <p>C. Method of monitoring: Maintain records documenting the transition period during which the B&amp;W boilers and the Gas Turbine are simultaneously operated.</p>	<p>D. Frequency of monitoring: As Needed</p> <p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</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. 7 &amp; 8</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>C. Method of monitoring: Maintain Records of fuel oil used.  No fuel oil used this period.</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>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  
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<p>A. Attachment # or Permit Condition #: PO1267PC2 Condition No. 9</p> <p>B. Description: Additional Permit Requirements Combustion Emission Units Condition No. 9 - Planned Shutdowns</p>	<p>D. Frequency of monitoring: <b>Annually</b></p> <p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable <b>Not applicable</b></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></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 #: Rule 50</p> <p>B. Description: Rule 50 Applicable Requirements Opacity</p>	<p>D. Frequency of monitoring: Annual Formal Survey Periodic visual observations</p> <p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable <b>Not applicable</b></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></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 #: Rule 54.B.1</p> <p>B. Description: Rule 54 Applicable Requirements Sulfur Compounds - Sulfur Emissions from Combustion Operations at Point of Discharge.</p>	<p>D. Frequency of monitoring: <b>Annually</b></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></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>



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<p>A. Attachment # or Permit Condition #: <b>Rule 54.B.2</b></p>	<p>D. Frequency of monitoring: <b>Annually</b></p>
<p>B. Description: <b>Rule 54 Applicable Requirements Sulfur Compounds - Sulfur Dioxide Concentration</b></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 #: <b>Rule 55</b></p>	<p>D. Frequency of monitoring: <b>As needed.</b></p>
<p>B. Description: <b>Rule 55 Applicable Requirements Fugitive Dust</b></p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable <b>EPA Method 9</b></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 #: <b>Rule 57.1</b></p>	<p>D. Frequency of monitoring: <b>Continuous.</b></p>
<p>B. Description: <b>Rule 57 Applicable Requirements Combustion Contaminants - Specific - Fuel Burning Equipment</b></p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable <b>Not applicable</b></p>
<p>C. Method of monitoring: District analysis of Rule 57.1 compliance is based on EPA emission factors.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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

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

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



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

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

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



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<p>A. Attachment # or Permit Condition #: Rule 74.2</p>	<p>D. Frequency of monitoring: <b>Periodic</b></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 <b>See Note 4.</b></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: <b>Not Applicable this period</b></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 <b>ASTM D402</b></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: <b>Not applicable</b></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 <b>See 40 CFR 61.145</b></p>
<p>C. Method of monitoring: Maintain Records of asbestos demolition or renovation activities. No asbestos demolition or renovation performed this period.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



## ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 16 (MM/DD/YY) to 03 / 31 / 17 (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	NOx – EPA Method 20 O2 – ARB Method 100 NH3 – 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 Standby Stationary Internal Combustion Engines  
Attachment 74.9N7**

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

<b>Engine</b>	<b>Maintenance Operations</b>	<b>Permit Condition</b>
Blackstart Generator	2.7 hours	< 50 hours per year

**Emergency Operations**

<b>Date / Time</b>	<b>Duration</b>	<b>Reason</b>
11/13/16 06:30	3.4 Hours	SCE Line Maintenance, 66 KV Line Down.

Emergency Standby Stationary Internal Combustion Engine Data

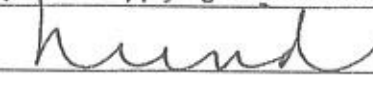
<b>Characteristic</b>	<b>Data</b>
Manufacturer	Detroit Diesel
Model Number	71637305
Operator ID	Blackstart Engine
Location	Between switchyard and package boilers

**EMERGENCY DIESEL ENGINE  
2016 ANNUAL REPORT FORM**

Reporting Period: January 1 through December 31, 2016

Report Due Date: February 15, 2017

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.

			<b>Permit No: 01267</b>	
Facility Name:	Trustees of CSU & CSUCI Site Auth.	Contact:	Jeff Smith	
Facility Address:	1947 W. Potrero Rd.	Title:	Plant Manager	
Facility City:	Camarillo, CA 93012	Phone:	805-437-3795	
755 BHP	Detroit Diesel Emergency Standby Engine(565 KW), Model 71637305, Serial No. 16VA19578, "Blackstart"			
Are the details listed above correct? If no, please make corrections.			Yes	<input checked="" type="checkbox"/>
			No	<input type="checkbox"/>
<b>Reporting Requirements for Calendar 2016</b>				
	Date of Reading		Meter Reading	
First of 2016:	1/1/16	First of 2016:	354.4	
End of 2016:	12/31/16	End of 2016:	374.2	
Total annual hours for: Maintenance & Testing:			2.4	
Hours of Emergency use:			17.4	
Total Hours of operation:			19.8	
Has the engine listed above exceeded the permit limit for maintenance and testing?			NO	
If yes, please explain here or attach additional pages:				
Signature of person supplying the information: "I certify that the above information is correct."				
Signature:			Date:	1/20/17
Print Name:	YSABEL TRINIDAD		Phone #:	805-437-8878
Title:	VICE PRESIDENT		Email:	YSABEL.TRINIDAD@CSUCI.EDU
Send report to:	Ms. Chris Cote Ventura County Air Pollution Control District 669 County Square Drive, Second Floor Ventura, CA 93003		For questions contact: Chris: (805) 645-1442, <a href="mailto:chrisc@vcapcd.org">chrisc@vcapcd.org</a> Eric: (805) 645-1496, <a href="mailto:eric@vcapcd.org">eric@vcapcd.org</a> Fax: (805) 645-1444 Form#: 01267-20	

**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.

<b>Engine</b>	<b>Maintenance Operations</b>	<b>Permit Condition</b>
Blackstart Generator	2.7 hours	< 20 hours per year

Emergency Standby Stationary Internal Combustion Engine Fuel Purchases

<b>Date</b>	<b>Volume</b>	<b>Fuel Type</b>
		No Fuel Deliveries this Compliance 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.

<b>Engine</b>	<b>Maintenance Operations</b>	<b>Permit Condition</b>
Blackstart Generator	2.7 hours	< 100 hours per year

**Emergency Operations**

<b>Date / Time</b>	<b>Duration</b>	<b>Reason</b>
11/13/16 06:30	3.4 Hours	SCE Line Maintenance, 66 KV Line Down.

Stationary Reciprocating Internal Combustion Maintenance Table

<b>Maintenance Item</b>	<b>Periodicity</b>
Oil & Oil Filter	Annually
Air Filter	Annually
Belts / Hoses	Annually



Ventura County  
Air Pollution  
Control District

## ANNUAL COMPLIANCE CERTIFICATION SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 16 (MM/DD/YY) to 03 / 31 / 17 (MM/DD/YY)

A. Emission Unit Description: HX002 Per Attachment 74.15.N1			B. Pollutant: NOx
C. Measured Emission Rate: 38.0 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: 11/10/16

A. Emission Unit Description: HX002 Per Attachment 74.15.N1			B. Pollutant: CO
C. Measured Emission Rate: 21.5 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: 11/10/16

A. Emission Unit Description: HX003 Per Attachment 74.15.N1			B. Pollutant: NOx
C. Measured Emission Rate: 38.8 ppmvd @ 3.0% O2	D. Limited Emission Rate: 40 ppmvd @ 3.0% O2	E. Specific Source Test or Monitoring Record Citation: PTO #1267	F. Test Date: 11/22/16

A. Emission Unit Description: HX003 Per Attachment 74.15.N1			B. Pollutant: CO
C. Measured Emission Rate: 7.1 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: 11/22/16

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 / 16 (MM/DD/YY) to 03 / 31 / 17 (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: 7.7 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: 11/10/16

A. Emission Unit Description: GE LM2500-33 Natural Gas Fired Turbine Per Attachment STRMLN1267-LM-2500-NOx,NH3			B. Pollutant: NH3
C. Measured Emission Rate: 7.2 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: 11/10/16

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<sub>x</sub>NH<sub>3</sub>**

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.



4100 Burr St.  
 Bakersfield, CA 93380  
 Tel. 661-324-1317  
 fax. 661-324-2746

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

Sampled: 1/19/2017  
 Submitted: 1/19/2017  
 Analyzed: 1/20/2017  
 Reported: 1/24/2017

**Gas Analysis by Chromatography - ASTM D 3588-91**

Company: CI Power Lab No.: 170143-1  
 Location: Camarillo Purchase Order # :  
 Description: Cogen Fuel Gas Sample Type:

Component	Mole %	Weight %	G/MCF	
Oxygen	ND	0.00		
Nitrogen	0.20	0.33		
Carbon Dioxide	0.99	2.54		
Hydrogen	ND	0.00		
Carbon Monoxide	ND	0.00		
Methane	94.52	88.35		
Ethane	3.00	5.26		
Propane	1.12	2.88		0.309
iso-Butane	0.04	0.14		0.013
n-Butane	0.06	0.20		0.019
iso-Pentane	0.02	0.08		0.007
n-Pentane	0.03	0.13		0.011
Hexanes Plus	0.02	0.10		0.008
Totals	100.00	100.00		0.368
Specific Volume, ft <sup>3</sup> /lb	22.11	Values Corrected		
Compressibility (Z) Factor	0.9978	for Compressibility	CHONS	Weight %
Specific Gravity, Calculated	0.5926	0.5937	Carbon	73.930
			Hydrogen	23.898
			Oxygen	1.846
			Nitrogen	0.326
			Sulfur	0.000
<b>GROSS</b>			F FACTOR @	8630
BTU/ft <sup>3</sup> Dry	1042.1	1044.5	60 deg F, disc/MMBTU	
BTU/ft <sup>3</sup> Wet	1023.9	1026.2		
BTU/lb Dry	23041.3	23093.2		
BTU/lb Wet	22638.1	22689.1		
<b>NET</b>			F FACTOR @	8501
BTU/ft <sup>3</sup> Dry	939.8	941.9	60 deg F, disc/MMBTU	
BTU/ft <sup>3</sup> Wet	923.3	925.4		
BTU/lb Dry	20778.5	20825.3		
BTU/lb Wet	20414.9	20460.9		
Hydrogen Sulfide, ppm		TR<1	Method	ASTM D4810
Total Sulfur as Hydrogen Sulfide, ppm		Not Tested	Method	GC/FPD
Dew Point, deg F		Not Tested	Method	Bureau of Mines
Moisture, lbs H <sub>2</sub> O/MMCF		Not Tested	Method	Bureau of Mines

ND : None Detected

Tr : Trace

Rule 64.B.1



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

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

Month	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	104.893	167.148	163.532	164.588	138.201	103.651	93.045	117.183	105.378	103.785	119.501	89.05
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	1484.23	2365.15	2313.98	2328.91	1955.54	1467.09	1316.59	1658.13	1491.10	1468.55	1690.94	1290.15
NOx	2657.3	4143.43	4014.15	3904.46	3146.87	2470.57	2528.03	2739.12	2719.89	2643.21	3042.82	2147.22
PM	639.85	1019.60	997.55	1003.98	843.02	632.46	567.58	714.81	642.81	633.09	728.98	543.25
SOx	62.94	100.29	98.12	98.75	82.92	82.92	55.83	70.31	63.23	62.27	71.70	53.43
CO	5541.49	8830.43	8639.41	8695.16	7301.15	5477.48	4915.58	6190.78	5667.13	5482.95	6313.24	4704.87
MHD Usage (KSCF)	158.048	220.907	197.039	194.648	175.686	133.736	142.995	174.873	148.968	145.804	158.981	114.884

GE LM-2500-33 GAS TURBINE		
EMISSION SUBTOTALS		EMISSION FACTORS
1469.99	MMCF	
0.00	MMCF	
20800.38	LBS	10.40 TONS
36157.07	LBS	14.15
8966.95	LBS	18.08 TONS
831.99	LBS	4.48 TONS
77659.66	LBS	0.60
		0.60
		24.41
		52.83
		4.45

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

Month	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	2.768	0.182	0.546	0.870	0.997	2.400	3.235	3.126	3.490	2.767	2.436	4.49725
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	37.23	2.45	7.34	11.71	13.41	32.28	43.51	42.05	46.94	37.22	32.75	60.49
NOx	141.00	9.26	27.81	44.34	50.79	122.25	164.79	159.25	177.77	140.96	124.03	229.09
PM	21.04	1.36	4.15	6.61	7.56	18.24	24.59	23.76	26.52	21.03	18.50	34.18
SOx	1.66	0.11	0.33	0.52	0.60	1.44	1.94	1.89	2.09	1.66	1.48	2.70
CO	858.09	56.37	189.26	289.81	309.11	743.97	1002.87	969.10	1081.85	867.84	754.78	1394.15

BABCOCK & WILCOX BOILERS		
EMISSION SUBTOTALS		EMISSION FACTORS
27.31	MMCF	
0.00	MMCF	
367.37	LBS	0.18 TONS
1391.35	LBS	0.70 TONS
207.59	LBS	0.10 TONS
16.39	LBS	0.01 TONS
8467.20	LBS	0.60
		0.60
		24.41
		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 21167.75 LBS 10.58 TONS
NOx 37548.42 LBS 18.77 TONS
PM 9174.53 LBS 4.59 TONS
SOx 898.38 LBS 0.45 TONS
CO 86126.86 LBS 43.06 TONS

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

Month	1	2	3	4	5	6	7	8	9	10	11	12
Maintenance	0.00	0.30	0.00	0.00	0.30	0.00	0.20	0.30	0.00	0.10	0.00	0.00
Emergency	3.10	0.00	0.00	0.00	0.00	6.20	0.00	5.10	0.00	0.00	14.00	0.00

TOTAL HOURS
1.20 HOURS
20.40 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	GE LM-2500-33 GAS TURBINE											
	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	167.148	163.532	164.588	138.201	103.661	93.045	117.193	105.378	103.785	119.501	89.06	109.09
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	2365.15	2313.98	2328.91	1955.54	1467.09	1316.59	1658.13	1481.10	1468.55	1690.94	1280.15	1543.63
NOx	4143.43	4014.15	3904.46	3146.87	2470.57	2528.03	2739.12	2719.89	2643.21	3042.82	2147.22	2559.85
PM	1019.60	997.55	1003.98	843.02	632.46	567.58	714.81	642.81	633.09	728.96	543.25	665.45
SOx	100.29	98.12	98.75	82.92	62.21	55.83	70.31	63.23	62.27	71.70	53.43	65.45
CO	8630.43	8639.41	8695.16	7301.15	5477.48	4915.59	6190.76	5687.13	5482.95	6313.24	4704.87	5763.24
NH3 Usage (KSCF)	220.907	197.039	194.648	175.666	133.236	142.996	174.873	148.968	145.804	158.981	114.884	141.433

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

Month	BABCOCK & WILCOX BOILERS											
	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	0.162	0.546	0.870	0.997	2.400	3.235	3.126	3.490	2.767	2.435	4.497	3.376
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	2.45	7.34	11.71	13.41	32.28	43.51	42.05	46.94	37.22	32.75	60.49	45.40
NOx	9.26	27.81	44.34	50.79	122.25	164.79	159.25	177.77	140.96	124.03	229.09	171.95
PM	1.38	4.15	6.61	7.68	18.24	24.59	23.76	26.52	21.03	18.50	34.18	25.65
SOx	0.11	0.33	0.52	0.60	1.44	1.94	1.88	2.09	1.66	1.46	2.70	2.03
CO	56.37	169.26	269.81	309.11	743.97	1002.87	969.10	1081.85	857.84	754.78	1394.15	1046.42

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

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

Month	EMERGENCY GENERATOR OPERATING HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12
Maintenance	0.30	0.00	0.00	0.30	0.00	0.20	0.30	0.00	0.10	0.00	0.00	0.20
Emergency	0.00	0.00	0.00	0.00	6.20	0.00	5.10	0.00	0.00	14.00	0.00	0.00

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

PERMITTED LIMITS	HOURS
Maintenance	20.00
Emergency	N/A

TOTAL HOURS
1.40 HOURS
25.30 HOURS

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	21235.31 LBS
NOx	37482.02 LBS
PM	9204.75 LBS
SOx	901.27 LBS
CO	86536.94 LBS

EMISSION SUBTOTALS		EMISSION FACTORS	
27.92	MMCF	GAS	LBS/MMCF
0.00	MMCF	FUEL OIL	LBS/MGAL
375.54	LBS	0.19	TONS
1422.30	LBS	0.71	TONS
212.20	LBS	0.11	TONS
15.75	LBS	0.01	TONS
8655.53	LBS	4.33	TONS

EMISSION SUBTOTALS		EMISSION FACTORS	
1474.19	MMCF	GAS	LBS/MMCF
0.00	MMCF	FUEL OIL	LBS/MGAL
20859.78	LBS	10.43	TONS
36059.72	LBS	18.03	TONS
8992.55	LBS	4.50	TONS
884.51	LBS	0.44	TONS
77881.41	LBS	38.94	TONS

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

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

Month	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	163.532	164.588	138.201	103.681	93.045	117.183	105.378	103.785	119.501	89.085	109.09	171.99
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	2313.98	2328.91	1955.54	1467.09	1316.59	1658.13	1491.10	1468.55	1690.94	1260.15	1543.63	2433.66
NOx	4014.15	3904.46	3146.87	2470.57	2528.03	2739.12	2719.89	2843.21	3042.82	2147.22	2559.95	4057.03
PM	997.55	1003.98	843.02	632.46	567.88	714.81	642.81	633.09	728.96	543.25	695.45	1049.14
SOx	98.12	98.75	82.92	62.21	55.83	70.31	63.23	62.27	71.70	53.43	65.45	103.19
CO	8639.41	8695.16	7301.15	5477.48	4915.68	6190.76	5567.13	5482.95	6313.24	4704.87	5763.24	9086.23
MNS Usage (KSCF)	197.039	194.648	175.686	133.236	142.996	174.873	146.968	145.804	158.981	114.894	141.433	224.306

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

Month	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	0.546	0.870	0.997	2.400	3.235	3.129	3.490	2.767	2.435	4.497	3.376	0.000
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	7.34	11.71	13.41	32.28	43.51	42.05	46.94	37.22	32.75	60.49	45.40	0.00
NOx	27.81	44.34	50.79	122.25	164.79	159.25	177.77	140.96	124.03	229.09	171.95	0.00
PM	4.15	6.61	7.58	18.24	24.59	23.76	26.52	21.03	18.50	34.18	25.65	0.00
SOx	0.33	0.52	0.60	1.44	1.94	1.88	2.09	1.66	1.46	2.70	2.03	0.00
CO	169.26	269.81	309.11	743.97	1002.87	969.10	1081.85	857.84	754.78	1394.15	1046.42	0.00

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	21301.38 LBS
NOx	37386.36 LBS
PM	9232.91 LBS
SOx	904.06 LBS
CO	86736.37 LBS

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

Month	1	2	3	4	5	6	7	8	9	10	11	12
Maintenance	0.00	0.00	0.30	0.00	0.20	0.30	0.00	0.10	0.00	0.00	0.20	0.20
Emergency	0.00	0.00	0.00	6.20	0.00	5.10	0.00	0.00	14.00	0.00	0.00	0.00

TOTAL HOURS
1.30 HOURS
25.30 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	EMISSION SUBTOTALS												EMISSION FACTORS	
	1	2	3	4	5	6	7	8	9	10	11	12	GAS LBS/MMCF	FUEL OIL LBS/MGAL
Fuel Gas (MMCF)	184.588	138.201	103.681	93.045	117.163	105.378	103.765	119.501	89.06	109.09	171.99	156.70	1472.20	
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
ROC	2328.91	1955.54	1487.09	1318.59	1658.13	1491.10	1468.55	1690.94	1260.15	1543.63	2433.66	2217.27	10.42	1.84
NOx	3304.46	3146.37	2470.57	2528.03	2739.12	2719.89	2543.21	3042.82	2147.22	2559.95	4057.03	3728.61	17.84	CEM
PM	1003.98	843.02	632.46	567.58	714.81	642.81	633.09	728.96	543.25	665.45	1049.14	955.86	4.49	CEM
SOx	98.75	82.92	62.21	55.83	70.31	63.23	62.27	71.70	53.43	65.45	103.19	94.02	0.44	CEM
CO	8695.16	7301.15	5477.48	4915.58	6190.76	5587.13	5482.95	6313.24	4704.87	5763.24	9086.23	8278.34	38.89	CEM
NH3 Usage (KSCF)	194.648	175.686	133.236	142.995	174.873	148.968	145.604	158.981	114.884	141.433	224.306	193.826		

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

Month	EMISSION SUBTOTALS												EMISSION FACTORS	
	1	2	3	4	5	6	7	8	9	10	11	12	GAS LBS/MMCF	FUEL OIL LBS/MGAL
Fuel Gas (MMCF)	0.870	0.997	2.400	3.235	3.126	3.450	2.767	2.435	4.497	3.376	0.000	0.745	27.94	
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
ROC	11.71	13.41	32.28	43.51	42.05	46.94	37.22	32.75	60.49	45.40	0.00	10.02	375.77	1.60
NOx	44.34	50.79	122.25	164.79	159.25	177.77	140.96	124.03	229.09	171.95	0.00	37.94	1423.16	20.74
PM	6.51	7.58	18.24	24.59	23.76	26.52	21.03	18.50	34.18	25.65	0.00	5.66	212.33	7.60
SOx	0.52	0.60	1.44	1.94	1.88	2.09	1.66	1.46	2.70	2.03	0.00	0.45	16.76	0.60
CO	269.81	309.11	743.97	1002.87	969.10	1081.85	857.84	754.78	1384.15	1046.42	0.00	230.90	8660.80	43.92

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

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

Month	TOTAL HOURS												
	1	2	3	4	5	6	7	8	9	10	11	12	
Maintenance	0.00	0.30	0.00	0.20	0.30	0.00	0.10	0.00	0.00	0.20	0.20	0.00	1.30
Emergency	0.00	0.00	6.20	0.00	5.10	0.00	0.00	14.00	0.00	0.00	0.00	0.00	25.30

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

PERMITTED CONDITIONS (PER YEAR)	EMISSION TOTALS	
	ROc	CO
ROc	14.88 TONS	10.60 TONS
NOx	33.38 TONS	18.56 TONS
PM	8.73 TONS	4.60 TONS
SOx	25.01 TONS	0.45 TONS
CO	57.59 TONS	43.22 TONS

PERMITTED LIMITS	HOURS
Maintenance	20.00 HOURS
Emergency	N/A HOURS

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

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

Month	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	136.201	103.681	93.045	117.183	105.378	103.785	119.501	89.06	109.09	171.99	156.70	161.08
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	1955.54	1467.09	1316.59	1658.13	1491.10	1468.55	1690.94	1280.15	1543.63	2433.66	2217.27	2279.22
NOx	3146.87	2470.57	2528.03	2739.12	2719.89	2643.21	3042.82	2147.22	2559.95	4057.03	3728.61	4012.55
PM	843.02	632.46	567.58	714.81	642.81	633.09	728.96	543.25	666.45	1049.14	965.98	982.66
SOx	82.92	62.21	56.83	70.31	63.23	62.27	71.70	53.49	66.45	103.19	94.02	96.65
CO	7301.15	5477.48	4915.58	6190.76	5567.13	5482.95	6313.24	4704.87	5763.24	9086.23	8278.34	8509.84
NH3 Usage (Mscf)	175.686	133.236	142.996	174.873	148.956	145.804	158.981	114.684	141.433	224.306	193.826	206.811

GE LM-2500-33 GAS TURBINE		
EMISSION SUBTOTALS		EMISSION FACTORS
		GAS FUEL OIL
1468.68	MMCF	LBS/MMCF
0.00	MMCF	LBS/MMCF
20781.89	LBS	14.15
35795.87	LBS	17.90 TONS
8958.98	LBS	CEM
881.21	LBS	6.10
77590.62	LBS	0.44 TONS
		38.80 TONS
		52.83
		4.45

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

Month	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	0.997	2.400	3.235	3.125	3.490	2.767	2.435	4.497	3.376	0.000	0.745	0.536
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	13.41	32.28	43.51	42.05	46.94	37.22	32.75	60.49	45.40	0.00	10.02	7.20
NOx	60.79	122.25	164.79	159.25	177.77	140.96	124.03	229.09	171.95	0.00	37.94	27.28
PM	7.58	18.24	24.59	23.76	26.52	21.03	18.50	34.18	25.65	0.00	5.66	4.07
SOx	0.60	1.44	1.94	1.88	2.09	1.66	1.46	2.70	2.03	0.00	0.45	0.32
CO	309.11	743.97	1002.87	969.10	1081.85	857.84	754.78	1394.15	1046.42	0.00	230.90	166.05

BABCOCK & WILCOX BOILERS		
EMISSION SUBTOTALS		EMISSION FACTORS
		GAS FUEL OIL
27.60	MMCF	LBS/MMCF
0.00	MMCF	LBS/MMCF
371.26	LBS	13.45
1406.11	LBS	0.70 TONS
209.79	LBS	50.94
16.56	LBS	7.60
8557.03	LBS	0.01 TONS
		0.60
		24.41
		4.28 TONS
		310.00
		43.92

PERMITTED CONDITIONS (PER YEAR)
ROC
NOx
PM
SOx
CO

EMISSION TOTALS
ROC
NOx
PM
SOx
CO

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

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

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

Month	1	2	3	4	5	6	7	8	9	10	11	12
Maintenance	0.30	0.00	0.20	0.30	0.00	0.10	0.00	0.00	0.20	0.00	0.00	0.10
Emergency	0.00	6.20	0.00	5.10	0.00	0.00	14.00	0.00	0.00	0.00	0.00	0.00

TOTAL HOURS
1.40 HOURS
25.30 HOURS

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

PERMITTED LIMITS
20.00 HOURS
N/A HOURS

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

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

Month	GE LM-2500-33 GAS TURBINE											
	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	103.681	93.045	117.183	105.378	103.785	119.501	89.06	109.09	171.99	156.70	161.08	149.28
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	1467.09	1316.59	1658.13	1491.10	1468.55	1690.94	1260.15	1543.63	2433.66	2217.27	2279.22	2112.00
NOx	2470.57	2528.03	2739.12	2719.89	2643.21	3042.82	2147.22	2559.95	4057.03	3728.61	4012.55	3717.3
PM	632.46	567.58	714.81	642.81	633.09	728.96	543.25	665.45	1049.14	955.86	982.56	910.47
SOx	82.21	55.83	70.31	63.23	62.27	71.70	53.43	65.45	103.19	94.02	96.65	89.55
CO	5477.48	4815.58	6190.76	5567.13	5482.95	6313.24	4704.87	5763.24	9096.23	8278.34	8509.64	7885.28
MH Usage (Mscf)	133.236	142.996	174.873	148.968	145.904	158.981	114.884	141.433	224.306	193.826	206.811	205.155

EMISSION SUBTOTALS			EMISSION FACTORS		
1479.74	MMCF		GAS	LBS/MMCF	FUEL OIL
0.00	MMCF				LBS/MGAL
20938.35	LBS	10.47 TONS		14.15	1.84
36366.30	LBS	18.18 TONS	CEM		CEM
9026.42	LBS	4.51 TONS		6.10	3.10
887.85	LBS	0.44 TONS		0.60	24.41
78174.75	LBS	39.09 TONS		52.83	4.45

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

Month	BABCOCK & WILCOX STEAM BOILERS											
	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	2.400	3.235	3.126	3.490	2.767	2.435	4.497	3.376	0.000	0.745	0.538	0.670
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	32.28	43.51	42.05	46.94	37.22	32.75	60.49	45.40	0.00	10.02	7.20	9.02
NOx	122.25	164.79	159.25	177.77	140.96	124.03	229.09	171.95	0.00	37.94	27.28	34.15
PM	18.24	24.59	23.76	26.52	21.03	18.50	34.18	25.65	0.00	5.66	4.07	5.10
SOx	1.44	1.94	1.86	2.09	1.66	1.46	2.70	2.03	0.00	0.45	0.32	0.40
CO	743.97	1002.87	969.10	1081.85	857.84	754.76	1394.15	1046.42	0.00	230.90	166.05	207.85

EMISSION SUBTOTALS			EMISSION FACTORS		
27.28	MMCF		GAS	LBS/MMCF	FUEL OIL
0.00	MMCF				LBS/MGAL
366.87	LBS	0.18 TONS		13.45	1.60
1389.47	LBS	0.69 TONS		50.84	20.74
207.30	LBS	0.10 TONS		7.60	2.00
16.37	LBS	0.01 TONS		0.60	24.41
8455.77	LBS	4.23 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	
21305.22	LBS
37755.77	LBS
9233.73	LBS
904.21	LBS
86630.52	LBS

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

Month	EMERGENCY GENERATOR OPERATING HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12
Maintenance	0.00	0.20	0.30	0.00	0.10	0.00	0.00	0.20	0.20	0.00	0.10	0.00
Emergency	6.20	0.00	5.10	0.00	0.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL HOURS</b>												
	6.20	0.20	5.40	0.00	0.10	14.00	0.00	0.20	0.20	0.00	0.10	0.00
	25.30	0.20	25.30	0.00	0.10	29.30	0.00	0.20	0.20	0.00	0.10	0.00

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

PERMITTED LIMITS	
Maintenance	20.00 HOURS
Emergency	N/A HOURS

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

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

Month	1	2	3	4	5	6	7	8	9	10	11	12	
Fuel Gas (MMCF)	93.045	117.183	105.378	103.785	119.501	89.05	109.09	171.99	156.70	161.08	149.26	100.06	1476.12 MMCF
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0	0.00 MMCF
ROC	1316.59	1658.13	1491.10	1468.55	1690.94	1260.15	1543.63	2433.66	2217.27	2279.22	2112.00	1415.91	20887.16 LBS
NOx	2528.03	2739.12	2719.89	2643.21	3042.82	2147.22	2559.95	4057.03	3728.61	4012.55	3717.3	2513.97	36409.70 LBS
PM	567.58	714.81	642.81	633.09	728.96	543.25	665.45	1049.14	955.86	982.56	910.47	610.39	9004.36 LBS
SOx	55.83	70.31	63.23	62.27	71.70	53.43	65.45	103.19	94.02	96.65	89.55	60.04	885.67 LBS
CO	4915.58	6190.76	5567.13	5462.95	6313.24	4704.87	5753.24	9086.23	8278.34	8509.64	7885.28	5286.39	77983.66 LBS
MHA Usage (KSCF)	142.996	174.873	148.988	145.804	158.981	114.854	141.433	224.306	193.828	206.811	205.156	133.197	

GE LM-2500-33 GAS TURBINE			
EMISSION SUBTOTALS		EMISSION FACTORS	
	LBS/MMCF	GAS	FUEL OIL LBS/MGAL
1476.12 MMCF		10.44 TONS	14.15
0.00 MMCF		18.20 TONS	1.84
20887.16 LBS		6.10	3.10
36409.70 LBS		0.60	24.41
9004.36 LBS		0.44 TONS	
885.67 LBS		38.99 TONS	52.83
77983.66 LBS			4.45

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

Month	1	2	3	4	5	6	7	8	9	10	11	12	
Fuel Gas (MMCF)	3.235	3.126	3.480	2.767	2.435	4.497	3.376	0.600	0.745	0.536	0.670	3.744	28.62 MMCF
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0	0.00 MMCF
ROC	43.51	42.05	46.94	37.22	32.75	60.49	45.40	0.00	10.02	7.20	9.02	50.36	384.95 LBS
NOx	184.79	159.25	177.77	140.96	124.03	229.09	171.95	0.00	37.94	27.28	34.15	190.73	1457.95 LBS
PM	24.99	23.76	26.52	21.03	18.50	34.18	25.65	0.00	5.66	4.07	5.10	28.46	217.52 LBS
SOx	1.94	1.88	2.09	1.66	1.46	2.70	2.03	0.00	0.45	0.32	0.40	2.25	17.17 LBS
CO	1002.87	969.10	1081.85	857.84	754.78	1394.15	1046.42	0.00	230.90	166.05	207.85	1160.71	8872.50 LBS

BABCOCK & WILCOX BOILERS			
EMISSION SUBTOTALS		EMISSION FACTORS	
	LBS/MMCF	GAS	FUEL OIL LBS/MGAL
28.62 MMCF		0.19 TONS	13.45
0.00 MMCF		0.73 TONS	1.80
384.95 LBS		7.60	20.74
1457.95 LBS		0.11 TONS	2.00
217.52 LBS		0.01 TONS	0.60
17.17 LBS		0.01 TONS	24.41
8872.50 LBS		4.44 TONS	43.92

**EMISSION TOTALS**

PERMITTED CONDITIONS (PER YEAR)	ROC	NOx	PM	SOx	CO
	14.88 TONS	33.38 TONS	8.73 TONS	25.01 TONS	57.59 TONS
	ROC	NOx	PM	SOx	CO
	21272.12 LBS	37867.65 LBS	9221.89 LBS	902.85 LBS	86856.17 LBS
	10.64 TONS	18.93 TONS	4.61 TONS	0.45 TONS	43.43 TONS

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

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

Month	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL HOURS
Maintenance	0.20	0.30	0.00	0.10	0.00	0.00	0.20	0.20	0.00	0.10	0.00	1.50	2.80 HOURS
Emergency	0.00	5.10	0.00	0.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.10 HOURS

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

PERMITTED LIMITS	HOURS
Maintenance	20.00 HOURS
Emergency	N/A HOURS

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

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

Month	GE LM-2500-33 GAS TURBINE											
	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	117.183	105.378	103.785	119.501	89.05	109.09	171.99	156.70	161.03	149.26	100.06	97.53
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	1658.13	1491.10	1468.55	1690.94	1260.15	1543.63	2433.66	2217.27	2279.22	2112.00	1415.91	1380.08
NOx	2739.12	2719.89	2643.21	3042.82	2147.22	2559.95	4057.03	3728.61	4012.55	3717.3	2513.97	2531.45
PM	714.81	642.81	633.09	728.96	543.25	665.45	1049.14	955.86	982.56	910.47	610.39	594.95
SOx	70.31	63.23	62.27	71.70	53.43	65.45	103.19	94.02	96.65	89.55	60.04	58.52
CO	6190.76	5567.13	5482.95	6313.24	4704.87	5763.24	9086.23	8278.34	8509.64	7885.28	5286.39	5152.63
M3 Usage (KSCF)	174.873	148.968	145.804	158.981	114.884	141.433	224.308	193.826	206.811	205.156	133.197	144.932

EMISSION SUBTOTALS			EMISSION FACTORS		
1480.81	MMCF		GAS	LBS/MMCF	FUEL OIL
0.00	MMCF				LBS/MGAL
20950.65	LBS	10.48 TONS		14.15	1.84
36413.12	LBS	18.21 TONS		6.10	3.10
9031.73	LBS	4.52 TONS		0.60	24.41
888.37	LBS	0.44 TONS		52.83	4.45
78220.71	LBS	39.11 TONS			

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

Month	BABCOCK & WILCOX BOILERS											
	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	3.126	3.490	2.767	2.435	4.497	3.376	0.000	0.745	0.536	0.670	3.744	4.004
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	42.05	46.94	37.22	32.75	60.49	45.40	0.00	10.02	7.20	9.02	50.36	53.85
NOx	159.25	177.77	140.96	124.03	229.09	171.95	0.00	37.94	27.28	34.15	190.73	203.95
PM	23.76	26.52	21.03	18.50	34.18	25.85	0.00	5.66	4.07	5.10	28.46	30.43
SOx	1.88	2.09	1.66	1.46	2.70	2.03	0.00	0.45	0.32	0.40	2.25	2.40
CO	969.10	1081.85	857.84	754.78	1394.15	1046.42	0.00	230.90	166.05	207.85	1160.71	1241.15

EMISSION SUBTOTALS			EMISSION FACTORS		
29.39	MMCF		GAS	LBS/MMCF	FUEL OIL
0.00	MMCF				LBS/MGAL
395.29	LBS	0.20 TONS		13.45	1.60
1497.11	LBS	0.75 TONS		50.94	20.74
223.36	LBS	0.11 TONS		7.60	2.00
17.63	LBS	0.01 TONS		0.60	24.41
9110.79	LBS	4.56 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
	33.38 TONS
	8.73 TONS
	25.01 TONS
	57.59 TONS

EMISSION TOTALS	ROC
	21345.94 LBS
	37910.23 LBS
	9255.09 LBS
	905.00 LBS
	87331.49 LBS

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

Month	TOTAL HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12
Maintenance	0.30	0.00	0.10	0.00	0.00	0.20	0.20	0.00	0.10	0.00	1.50	0.00
Emergency	5.10	0.00	0.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.40

TOTAL HOURS
2.40 HOURS
22.50 HOURS

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

PERMITTED LIMITS	Maintenance	Emergency
	20.00 HOURS	N/A HOURS



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

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

Month	GE LM-2500-33 GAS TURBINE											
	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	105.378	103.785	119.501	89.06	109.09	171.99	156.70	161.08	149.26	100.06	97.53	100.98
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	1491.10	1468.55	1690.94	1260.15	1543.63	2433.66	2217.27	2279.22	2112.00	1415.91	1380.08	1428.85
NOx	2719.89	2643.21	3042.82	2147.22	2559.95	4057.03	3728.61	4012.55	3717.3	2513.97	2531.45	2512.23
PM	642.81	633.09	728.96	543.25	665.45	1049.14	955.86	982.56	910.47	610.39	594.95	615.97
SOx	63.23	62.27	71.70	53.43	65.45	103.19	94.02	96.65	89.55	60.04	58.52	60.59
CO	5567.13	5482.95	6313.24	4704.87	5753.24	9086.23	8278.34	8509.64	7885.28	5286.39	5152.63	5334.89
NHD Usage (Kscf)	148.968	145.804	158.981	114.884	141.433	224.306	193.826	206.811	205.156	133.197	144.932	154.629

EMISSION SUBTOTALS		EMISSION FACTORS	
1464.41 MMCF		GAS	FUEL OIL
0.00 MMCF		LBS/MMCF	LBS/MGAL
20721.36 LBS	10.36 TONS	14.15	1.84
36286.23 LBS	18.14 TONS	CEM	CEM
8932.88 LBS	4.47 TONS	6.10	3.10
878.64 LBS	0.44 TONS	0.60	24.41
77364.64 LBS	38.68 TONS	52.83	4.45

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

Month	BABCOCK & WILCOX BOILERS											
	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	3.490	2.767	2.435	4.497	3.376	0.000	0.745	0.536	0.670	3.744	4.004	4.272
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	46.94	37.22	32.75	60.49	45.40	0.00	10.02	7.20	9.02	50.35	53.85	57.46
NOx	177.77	140.96	124.03	229.09	171.95	0.00	37.94	27.28	34.15	190.73	203.95	217.62
PM	26.52	21.03	18.50	34.18	25.65	0.00	5.66	4.07	5.10	28.46	30.43	32.47
SOx	2.09	1.66	1.46	2.70	2.03	0.00	0.45	0.32	0.40	2.25	2.40	2.56
CO	1081.85	857.84	754.78	1394.15	1046.42	0.00	230.90	166.05	207.85	1160.71	1241.15	1324.33

EMISSION SUBTOTALS		EMISSION FACTORS	
30.54 MMCF		GAS	FUEL OIL
0.00 MMCF		LBS/MMCF	LBS/MGAL
410.70 LBS	0.21 TONS	13.45	1.60
1555.48 LBS	0.78 TONS	50.94	20.74
232.07 LBS	0.12 TONS	7.60	2.00
18.32 LBS	0.01 TONS	0.60	24.41
6466.01 LBS	4.73 TONS	310.00	43.92

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

PERMITTED CONDITIONS (PER YEAR)		EMISSION TOTALS	
ROC	14.88 TONS	ROC	21132.07 LBS
NOx	33.38 TONS	NOx	37641.71 LBS
PM	8.73 TONS	PM	9164.95 LBS
SOx	25.01 TONS	SOx	896.97 LBS
CO	57.58 TONS	CO	86830.66 LBS

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

Month	1	2	3	4	5	6	7	8	9	10	11	12
Maintenance	0.00	0.10	0.00	0.00	0.20	0.20	0.00	0.10	0.00	1.50	0.00	0.30
Emergency	0.00	0.00	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.40	0.00
<b>TOTAL HOURS</b>												

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

PERMITTED LIMITS	HOURS
Maintenance	20.00 HOURS
Emergency	N/A HOURS

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

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

Month	EMISSION SUBTOTALS												EMISSION FACTORS	
	1	2	3	4	5	6	7	8	9	10	11	12	GAS LBS/MMCF	FUEL OIL LBS/MGAL
Feb-16	103.785	119.501	89.06	109.09	171.99	156.70	161.08	149.26	100.06	97.53	100.98	106.65	1465.68	106.65
Mar-16	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0
Apr-16	1468.55	1690.94	1260.15	1543.63	2433.66	2217.27	2279.22	2112.00	1415.91	1380.08	1428.85	1509.16	20739.43	14.15
May-16	2643.21	3042.82	2147.22	2559.95	4057.03	3728.61	4012.55	3717.3	2513.97	2531.45	2612.23	2648.842	36215.18	18.11
Jun-16	633.09	728.96	543.25	665.45	1049.14	955.86	982.56	910.47	610.39	594.95	615.97	650.59	8940.87	6.10
Jul-16	62.27	71.70	53.43	65.45	103.19	94.02	96.65	89.55	60.04	58.52	60.59	63.99	879.41	0.60
Aug-16	5482.95	6313.24	4704.87	5763.24	9086.23	8278.34	8509.64	7885.28	5286.39	5152.93	5334.69	5634.57	77432.08	52.83
Sep-16	145.804	158.981	114.854	141.433	224.306	193.826	206.811	205.156	133.197	144.932	154.629	160.613	38.72	4.45
Oct-16														
Nov-16														
Dec-16														
Jan-17														
ROC														
NOx														
PM														
SOx														
CO														

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

Month	EMISSION SUBTOTALS												EMISSION FACTORS	
	1	2	3	4	5	6	7	8	9	10	11	12	GAS LBS/MMCF	FUEL OIL LBS/MGAL
Feb-16	2.767	2.435	4.497	3.376	0.000	0.745	0.536	0.670	3.744	4.004	4.272	3.320	30.37	1.60
Mar-16	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0
Apr-16	37.22	32.75	60.49	45.40	0.00	10.02	7.20	9.02	50.36	53.85	57.46	44.65	408.41	13.45
May-16	140.86	124.03	228.09	171.95	0.00	37.94	27.28	34.15	190.73	203.95	217.62	189.10	1546.80	50.94
Jun-16	21.03	18.50	34.18	25.65	0.00	5.66	4.07	5.10	28.45	30.43	32.47	25.23	230.78	7.60
Jul-16	1.66	1.46	2.70	2.03	0.00	0.45	0.32	0.40	2.25	2.40	2.56	1.99	18.22	0.60
Aug-16	857.84	754.78	1394.15	1046.42	0.00	230.90	166.05	207.85	1160.71	1241.15	1324.33	1029.05	9413.21	310.00
Sep-16														
Oct-16														
Nov-16														
Dec-16														
Jan-17														
ROC														
NOx														
PM														
SOx														
CO														

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

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

Month	TOTAL HOURS												
	1	2	3	4	5	6	7	8	9	10	11	12	
Feb-16	0.10	0.00	0.00	0.20	0.20	0.00	0.10	0.00	1.50	0.00	0.30	0.00	2.40
Mar-16	0.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.40	0.00	0.00	17.40
Apr-16													
May-16													
Jun-16													
Jul-16													
Aug-16													
Sep-16													
Oct-16													
Nov-16													
Dec-16													
Jan-17													
Maintenance													
Emergency													

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

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

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

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

Month	GE LM-2500-33 GAS TURBINE											
	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	119.501	89.06	109.09	171.99	156.70	161.08	149.26	100.06	97.53	100.98	106.65	99.86
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	1690.94	1280.15	1543.63	2433.66	2217.27	2279.22	2112.00	1415.91	1390.08	1428.85	1509.16	1398.90
NOx	3042.82	2147.22	2559.95	4057.03	3728.61	4012.55	3717.3	2513.97	2531.45	2612.23	2548.842	2385.71
PM	728.96	543.25	665.45	1049.14	955.86	982.56	910.47	610.39	594.95	615.97	650.59	603.06
SOx	71.70	53.43	65.45	103.19	94.02	96.65	89.55	60.04	58.52	60.59	63.99	59.32
CO	6313.24	4704.87	5763.24	9088.23	8278.34	8509.84	7885.28	5286.38	5152.63	5334.69	5634.57	5222.87
NH <sub>3</sub> Usage (Kscf)	158.961	114.894	141.433	224.306	193.826	206.811	205.166	133.197	144.632	154.629	160.813	143.489

EMISSION SUBTOTALS		EMISSION FACTORS	
		GAS	FUEL OIL
1460.76	MMCF	10.33	TONS
0.00	MMCF	14.15	1.84
20669.77	LBS	17.98	TONS
35957.68	LBS	4.46	TONS
8910.84	LBS	6.10	3.10
876.46	LBS	0.44	TONS
77172.00	LBS	38.59	TONS
		52.83	4.45

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

Month	BABCOCK & WILCOX BOILERS											
	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	2.435	4.497	3.376	0.000	0.745	0.536	0.670	3.744	4.004	4.272	3.320	3.771
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	32.75	60.48	45.40	0.00	10.02	7.20	9.02	50.36	53.85	57.46	44.65	50.72
NOx	124.03	229.09	171.95	0.00	37.94	27.28	34.15	190.73	203.95	217.62	169.10	192.09
PM	18.50	34.18	25.65	0.00	5.66	4.07	5.10	28.46	30.43	32.47	25.23	28.66
SOx	1.46	2.70	2.03	0.00	0.45	0.32	0.40	2.25	2.40	2.56	1.99	2.28
CO	754.78	1394.15	1046.42	0.00	230.90	166.05	207.85	1160.71	1241.15	1324.33	1029.05	1188.99

EMISSION SUBTOTALS		EMISSION FACTORS	
		GAS	FUEL OIL
31.37	MMCF	0.21	TONS
0.00	MMCF	13.45	1.60
421.91	LBS	0.80	TONS
1597.93	LBS	50.94	20.74
238.40	LBS	7.60	2.00
18.82	LBS	0.01	TONS
9724.36	LBS	310.00	43.92

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

PERMITTED CONDITIONS (PER YEAR)		EMISSION TOTALS	
ROC	14.88 TONS	ROC	21091.68 LBS
NOx	33.38 TONS	NOx	37555.61 LBS
PM	8.73 TONS	PM	9149.05 LBS
SOx	25.01 TONS	SOx	895.28 LBS
CO	57.59 TONS	CO	86896.36 LBS

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

Month	1	2	3	4	5	6	7	8	9	10	11	12
Maintenance	0.00	0.00	0.20	0.20	0.00	0.10	0.00	1.50	0.00	0.00	0.00	0.10
Emergency	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.40	0.00	0.00	0.00
<b>TOTAL HOURS</b>												

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	GE LM-2500-33 GAS TURBINE											
	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	89.05	109.09	171.99	156.70	161.08	149.26	100.06	97.53	100.98	106.65	99.86	120.25
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	1260.15	1543.63	2433.66	2217.27	2279.22	2112.00	1415.91	1380.08	1428.85	1509.16	1398.90	1701.48
NOx	2147.22	2559.95	4057.03	3728.61	4012.55	3717.3	2513.97	2531.45	2612.23	2648.84	2395.71	2824.31
PM	543.25	665.45	1049.14	955.86	982.56	910.47	610.39	594.95	615.97	650.59	605.06	733.50
SOx	53.43	65.45	103.19	94.02	96.65	89.55	60.04	58.52	60.59	63.99	59.32	72.15
CO	4704.87	5763.24	9086.23	8278.34	8509.84	7885.28	5286.39	5152.63	5334.69	5634.57	5222.87	6352.59
NH3 Usage (KSCF)	114.984	141.433	224.305	193.826	206.811	205.156	133.197	144.932	154.829	160.613	143.489	179.396

EMISSION SUBTOTALS			EMISSION FACTORS		
1461.51	MMCF		GAS	FUEL OIL	
0.00	MMCF		LBS/MMCF	LBS/MGAL	
20680.31	LBS	10.34 TONS	14.15	1.84	
35739.17	LBS	17.87 TONS	CEM	CEM	
8915.19	LBS	4.46 TONS	6.10	3.10	
878.90	LBS	0.44 TONS	0.60	24.41	
77211.36	LBS	38.81 TONS	52.83	4.45	

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

Month	BABCOCK & WILCOX BOILERS											
	1	2	3	4	5	6	7	8	9	10	11	12
Fuel Gas (MMCF)	4.497	3.376	0.000	0.745	0.670	3.744	4.004	4.272	3.320	3.771	2.18868	
Fuel Oil (Mgal)	0	0	0	0	0	0	0	0	0	0	0	0
ROC	60.49	45.40	0.00	10.02	7.20	9.02	50.36	53.85	57.46	44.65	50.72	29.44
NOx	229.09	171.95	0.00	37.94	27.29	34.15	190.73	203.95	217.62	169.10	192.09	111.49
PM	34.18	25.65	0.00	5.66	4.07	5.10	28.46	30.43	32.47	25.23	28.66	16.63
SOx	2.70	2.03	0.00	0.45	0.32	0.40	2.25	2.40	2.56	1.99	2.26	1.31
CO	1394.15	1046.42	0.00	230.90	166.05	207.85	1160.71	1241.15	1324.33	1029.05	1168.99	678.49

EMISSION SUBTOTALS			EMISSION FACTORS		
31.12	MMCF		GAS	FUEL OIL	
0.00	MMCF		LBS/MMCF	LBS/MGAL	
418.60	LBS	0.21 TONS	13.45	1.60	
1585.40	LBS	0.79 TONS	50.94	20.74	
236.53	LBS	0.12 TONS	7.60	2.00	
18.87	LBS	0.01 TONS	0.60	24.41	
9648.07	LBS	4.82 TONS	310.00	43.92	

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

EMISSION TOTALS	
21098.91	LBS
37324.57	LBS
9151.72	LBS
895.58	LBS
86859.43	LBS
10.55	TONS
18.66	TONS
4.58	TONS
0.45	TONS
43.43	TONS

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

Month	EMERGENCY GENERATOR OPERATING HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12
Maintenance	0.00	0.20	0.00	0.00	0.10	0.00	1.50	0.00	0.30	0.00	0.10	0.30
Emergency	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.40	0.00	0.00	0.00	0.00

TOTAL HOURS	
2.70	HOURS
3.40	HOURS

PERMITTED LIMITS	PERMITTED HOURS
Maintenance	20.00 HOURS
Emergency	N/A HOURS

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

Attachment PO1267PC1  
Usage Log for Solvent Cleaning

Material Name	Material ID	Manufacturer	Date of MSDS	Size [oz]	Quantity Used	ROC Content [lb/gal]	ROC [lb]
Aerosol Penetrating Oil		Kano Labs	3/30/2001	10	0	5.01	0.00
Aerosol Surface Cleaner	M715	Gunk	1/12/2006	14	0	3.67	0.00
Aerosol Surface Cleaner	ICA736	I-Chem	1/13/2006	14	0	5.21	0.00
Aerosol paint remover	7764T21	Diversified Brands	9/20/2016	15	4	2.31	1.08
						Annual Total ROC [lb]	1.08
						Rule 23 ROC limit [lb]	200

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Channel Islands  
CALIFORNIA STATE UNIVERSITY

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

November 1, 2016

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

Re: Projected Shutdown Schedule for CY 2017

Mr. Cho,

In compliance with Title V Attachment PO1267PC2 Section 9, the proposed shutdown schedule for CY 2017 is submitted as detailed in Attachment 1.

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 cursive script, appearing to read 'Ysabel Trinidad'.

Ysabel Trinidad  
Vice President

Attachments:

Attachment 1 – CI Power Cogeneration Plant Projected Shutdown Schedule for CY 2017



CI Power Cogeneration Plant  
Projected Shutdown Schedule for CY 2017

Start Date	Start Time	End Date	End Time	Hours
12/30/2016	21:00	1/3/2017	8:00	83
1/6/2017	21:00	1/9/2017	8:00	59
1/13/2017	21:00	1/16/2017	8:00	59
1/20/2017	21:00	1/23/2017	8:00	59
1/27/2017	21:00	1/30/2017	8:00	59
2/3/2017	21:00	2/6/2017	8:00	59
2/10/2017	21:00	2/13/2017	8:00	59
2/17/2017	21:00	2/21/2017	8:00	83
2/24/2017	21:00	2/27/2017	8:00	59
3/3/2017	21:00	3/6/2017	8:00	59
3/10/2017	21:00	3/13/2017	8:00	59
3/17/2017	21:00	3/20/2017	8:00	59
3/24/2017	21:00	3/27/2017	8:00	59
3/31/2017	21:00	4/3/2017	8:00	59
4/7/2017	21:00	4/10/2017	8:00	59
4/14/2017	21:00	4/17/2017	8:00	59
4/21/2017	21:00	4/24/2017	8:00	59
4/28/2017	21:00	5/1/2017	8:00	59
5/5/2017	21:00	5/8/2017	8:00	59
5/12/2017	21:00	5/15/2017	8:00	59
5/19/2017	21:00	5/22/2017	8:00	59
5/26/2017	21:00	5/30/2017	8:00	83
6/23/2017	23:00	6/26/2017	8:00	57
7/28/2017	23:00	7/31/2017	8:00	57
9/1/2017	23:00	9/5/2017	8:00	81
9/29/2017	23:00	10/2/2017	8:00	57
10/6/2017	21:00	10/9/2017	8:00	59
10/13/2017	21:00	10/16/2017	8:00	59
10/20/2017	21:00	10/23/2017	8:00	59
10/27/2017	21:00	10/30/2017	8:00	59
11/3/2017	21:00	11/6/2017	8:00	59
11/10/2017	21:00	11/13/2017	8:00	59
11/17/2017	21:00	11/20/2017	8:00	59
11/22/2017	21:00	11/27/2017	8:00	107
12/1/2017	21:00	12/4/2017	8:00	59
12/8/2017	21:00	12/11/2017	8:00	59
12/15/2017	21:00	12/18/2017	8:00	59
12/22/2017	21:00	12/26/2017	8:00	83
12/29/2017	21:00	1/2/2018	8:00	83



November 10, 2016

Memorandum to File

Re: Annual Gas Turbine and Standby boiler Opacity Survey

1. On November 10, 2016 from 08:00 to 12:00, Delta Air Quality Services, Inc. conducted the annual source testing of the Gas Turbine while the unit was running at normal full load operation. Three one-hour emissions data runs were taken. The HRSG exhaust stack was inspected for visible emissions. There were no visible emissions observed at the HRSG exhaust stack.
2. On November 10, 2016 from 14:00 to 17:00, the Delta Air Quality Services, Inc. conducted the Bi-annual source testing of the Standby Boiler Units. The boiler stacks were inspected for visual emissions during the entire test run. The boilers operated with no visible emissions at each stack.

A handwritten signature in black ink, appearing to read 'Jeffery M. Smith', written over a horizontal line.

Jeffery M. Smith  
Plant Manager  
CI Power

Solvent Cleaning – Material List

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

\* Notes:

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

Attachment Rule 74.2  
Usage Log for Architectural Coatings and Thinners

Material Name	Material ID	Manufacturer	Date of SDS	Size (oz)	Quantity Used	ROC Content (g/l)	Usage	Exemption or ROC Limit (g/l)	ROC Content as Applied (lb/gal)	ROC (lb)
Rust Inhibitor	RF129	Krylon	7/21/2009	10.25	0	391	Rust preventative coating	400	3.26	0.00
High temp. aerosol paint (Aluminum)	Z630	Zynolite / 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	Zynolite / 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	4	390	Rust Preventative Alkyd Enamel Coating	250	3.25	3.25
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	4	390	Rust Preventative Alkyd Enamel Coating	250	3.25	3.25
Syn-Lustro Hi Vis Yellow	40465	Dunn-Edwards	4/22/2015	32	1	390	Rust Preventative Alkyd Enamel Coating	250	3.25	0.81
EPO Coat H3H	H3H	Dynamis	4/7/2000	128	0	321	Masonry Sealer	400	2.68	0.00
Navajo White	W705I	Dunn-Edwards	4/11/1999	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)	7
									Rule 23 ROC limit (lb)	200



## ANNUAL COMPLIANCE CERTIFICATION DEVIATION SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 16 (MM/DD/YY) to 03 / 31 / 17 (MM/DD/YY)

<b>A. Attachment # or Permit Condition #:</b> 74.15.B.1	<b>B. Equipment description:</b> 31.0 MMBTU Babcock & Wilcox Steam Boiler Unit HX003.	<b>C. Deviation Period: Date &amp; Time</b> Begin: <u>11/10/16 14:25</u> End: <u>11/22/16 10:27</u> <b>When Discovered: Date &amp; Time</b> <u>11/10/16 14:25</u>
<b>D. Parameters monitored:</b> NOx CO	<b>E. Limit:</b> 40 ppm NOx @ 3% O2 400 ppm CO @ 3% O2	<b>F. Actual:</b> 33.8 ppm NOx @ 3% O2 443.3 ppm CO @ 3% O2
<b>G. Probable Cause of Deviation:</b> Unit combustion system required tuning.		<b>H. Corrective actions taken:</b> Removed unit from service, tuned combustion controls, retested boiler with satisfactory result, restored unit to service.

<b>A. Attachment # or Permit Condition #:</b>	<b>B. Equipment description:</b>	<b>C. Deviation Period: Date &amp; Time</b> Begin: _____ End: _____ <b>When Discovered: Date &amp; Time</b> _____
<b>D. Parameters monitored:</b>	<b>E. Limit:</b>	<b>F. Actual:</b>
<b>G. Probable Cause of Deviation:</b>		<b>H. Corrective actions taken:</b>

<b>A. Attachment # or Permit Condition #:</b>	<b>B. Equipment description:</b>	<b>C. Deviation Period: Date &amp; Time</b> Begin: _____ End: _____ <b>When Discovered: Date &amp; Time</b> _____
<b>D. Parameters monitored:</b>	<b>E. Limit:</b>	<b>F. Actual:</b>
<b>G. Probable Cause of Deviation:</b>		<b>H. Corrective actions taken:</b>

