



**Ormond Beach Generating Station**  
6635 South Edison Drive  
Oxnard, CA 93033  
Tel: (805) 986-7291  
Fax: (805) 986-7245

February 10, 2015

Mr. Lyle Olson  
**Ventura County Air Pollution Control District**  
669 County Square Drive  
Ventura, CA 93003

**RE: 2013-2014 Annual Compliance Certification**  
**NRG California South LP – Ormond Beach Generating Station – Permit No. 00065**

Dear Mr. Olson,

NRG California South LP is submitting the 2013-2014 annual compliance certification report for the Ormond Beach Generating Station (Federal Operating Permit No. 00065 issued on April 8, 2014) located in Oxnard, CA.

Please find enclosed the Ventura County Air Pollution Control District (VCAPCD) Annual Compliance Certification Signature Cover Form signed by the Responsible Official, Annual Compliance Certification Permit Attachment Form, and supporting documents. These documents serve as the annual certification for the period October 1, 2013 through December 31, 2014, and semi-annual deviation report for the period July 1, 2014, through December 31, 2014.

If you have any questions or require additional information, please do not hesitate to contact me at (909) 782-8834 or [apeetha.jain@nrg.com](mailto:apeetha.jain@nrg.com)

Sincerely,

A handwritten signature in blue ink that reads "Scott Warrack; for,".

Apeetha Jain  
Air Quality Engineer

cc: Mr. Gerardo Rios, Chief  
Permits Office (AIR-3)  
USEPA – Region IX  
Office of Air Division  
75 Hawthorne St  
San Francisco, CA 94105

enclosures

1572712  
A.P.C.D.  
12/11/21



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.

Signature and Title of Responsible Official:  <i>William F. Probasco</i>  Title: Plant Manager – Ormond Beach Generating Station	Date:  <i>2-11-15</i>
--	-----------------------------

Time Period Covered by Compliance Certification  <u>10 / 01 / 2013</u> (MM/DD/YY) to <u>12 / 31 / 2014</u> (MM/DD/YY)  NRG California South LP. – Ormond Beach Generating Station
---



## ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 10 / 01 / 2013 (MM/DD/YY) to 12 / 31 / 2014 (MM/DD/YY)

### Ormond Beach Generating Station

<p>A. Attachment # or Permit Condition #: Attachment 59N1, Condition #1</p>	<p>D. Frequency of monitoring: Continuous</p>
<p>B. Description: NOx Emission Limit Condition 1a – Certified CEMS data demonstrates that there have been no exceedances of the 0.10 lbs/NMW-hr limit. Condition 1b – NRG is prohibited from burning fuel oil in these units. None was burned during the compliance certification time period. Condition 1c – NRG is prohibited from burning mixed fuel oil/natural gas in these units. None was burned during the compliance certification time period.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: CEMs Records and Emission Calculations</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 #: Attachment 59N1, Condition #2</p>	<p>D. Frequency of monitoring: Continuous</p>
<p>B. Description: Oil Burned During Force Majeure Ormond Beach Generating Station is only permitted to burn natural gas in its boilers.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Fuel Usage Logs</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 #: Attachment 59N1, Condition #3</p>	<p>D. Frequency of monitoring: Continuous</p>
<p>B. Description: NH3 Emissions The Annual Ammonia Slip test for Unit 1 &amp; Units 2 was conducted on 07/09/2013 and 07/18/2013 respectively.  The ammonia slip limit is 10 ppm - Unit 1 tested at 8.7 ppm and Unit 2 tested at 1.7 ppm.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable BAAQMD method ST-1B dated 01/20/1982</p>
<p>C. Method of monitoring: Source Testing Reports</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: 10 / 01 / 2013 (MM/DD/YY) to 12 / 31 / 2014 (MM/DD/YY)

Ormond Beach Generating Station

<p>A. Attachment # or Permit Condition #: Attachment 59N1, Condition #4</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: Cold Start-up waiver for NOx and NH3 Emission Limits</p> <p>There were 7 Unit 1 start-ups during the compliance period. There were 14 Unit 2 start-ups during the compliance period.</p> <p>Plant records indicate that no cold start-up lasted more than 20 hours, nor have any excess NOx emissions lasted longer than a cold start-up procedure.</p>	<p>Continuous</p>
<p>C. Method of monitoring: CEMs Records and Operator Logs</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</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></p> <p>*If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Attachment 59N1, Condition #5</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: NOx lbs/NMW-Hr</p> <p>Condition 5a - CEMs are used to monitor and calculate the NOx emission rate.</p> <p>Condition 5b - The megawatt metering calibration test occurs annually.</p> <p>Condition 5c - The hourly lb/NMW-hr NOx is measured according to the procedures in 40 CFR 75.10(d)(1).</p> <p>Condition 5d - The documents are retained at the plant and are available for District review.</p>	<p>Continuous</p>
<p>C. Method of monitoring: CEMs Records and Emission Calculations</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</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></p> <p>*If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Attachment 59N1, Conditions #6 &amp; #7</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: Hourly Recordkeeping</p> <p>The Station maintains operational records as detailed in Conditions 6 and 7. Such records are available to the District upon request.</p>	<p>Continuous</p>
<p>C. Method of monitoring: CEMs Records and Operator Logs</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</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></p> <p>*If yes, attach Deviation Summary Form</p>



## ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 10 / 01 / 2013 (MM/DD/YY) to 12 / 31 / 2014 (MM/DD/YY)

Ormond Beach Generating Station

<p>A. Attachment # or Permit Condition #: Attachment 59N3, Condition #1</p>	<p>D. Frequency of monitoring: Continuous</p>
<p>B. Description: NOx Limits (Aux Boilers) 0.040 lbs/MMBTU Certified CEMS data demonstrates that there was no exceedance of the 0.040 lb/mmBtu limit.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: CEMs Records and Emission Calculations</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 #: Attachment 59N3, Condition #2</p>	<p>D. Frequency of monitoring: Continuous</p>
<p>B. Description: Cold Start-up, NOx Emission Limits There were 33 North Auxiliary Boiler cold starts and 31 South Auxiliary Boiler cold starts during the compliance period. These units are subject to a 4-hour NOx emission exemption period.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: CEMs Records and Operator Logs</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 #: Attachment 59N3, Condition #3</p>	<p>D. Frequency of monitoring: Continuous</p>
<p>B. Description: NOx Limits (Aux Boilers) calculation method Hourly natural gas emissions figures are calculated as required by this permit condition.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: CEMs Records and Emission Calculations</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: 10 / 01 / 2013 (MM/DD/YY) to 12 / 31 / 2014 (MM/DD/YY)

Ormond Beach Generating Station

<p>A. Attachment # or Permit Condition #: Attachment 59N3, Conditions #4 - #5</p>	<p>D. Frequency of monitoring: Continuous</p>
<p>B. Description: Record keeping Daily and hourly records are maintained as required.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: CEMS Records and Operator Logs</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 #: Attachment 70N3-65, Conditions #1 - #2</p>	<p>D. Frequency of monitoring: Periodic</p>
<p>B. Description: Phase 1 &amp; 2 Vapor Recovery System Condition 1 – The above ground gasoline tank is equipped with a pressure-vacuum relief valve set at no less than 2.5 inches. A vapor recovery system is used and good practices are used to minimize spills and leaks. The tank was removed on 8/23/2013. Condition 2 – The Phase I vapor recovery equipment has a two-point VRS system and a permanently installed submerged fill pipe. The VRS equipment is maintained in good condition. The tank was removed on 8/23/2013</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Inspection, Maintenance, and Testing Records</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 #: Attachment 70N3-65, Conditions #3 - #6</p>	<p>D. Frequency of monitoring: Periodic</p>
<p>B. Description: Phase 1 &amp; 2 Vapor Recovery System Condition 3-4 - Phase II dispensing equipment is a VRS vapor balance system. Condition 5 – Required signs are posted and readily visible. Condition 6 – The site conducts static testing every two years and a liquid removal test every four years. THE TANK WAS REMOVED ON 8/23/2013</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Inspection, Maintenance, and Testing Records</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: 10 / 01 / 2013 (MM/DD/YY) to 12 / 31 / 2014 (MM/DD/YY)

Ormond Beach Generating Station

<p>A. Attachment # or Permit Condition #: Attachment 70N3-65, Conditions #7 - #8</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: Phase 1 &amp; 2 Vapor Recovery System Condition 7 – Records of all tests and repairs are maintained at the site. Condition 8 – NRG agrees that if it seeks replacement or modification of the dispensing facility it will seek a permit to construct. THE TANK WAS REMOVED ON 8/23/2013</p>	<p>Periodic</p>
<p>C. Method of monitoring: Inspection, Maintenance, and Testing Records</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</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 #: Attachment 74.9N7 , Conditions #1 - #4</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: Stationary Internal Combustion Engines Condition 1 - Hourly operating records verify compliance with the 50 hour annual limit. Condition 2 - A non-resettable elapsed hour meter is operated on the unit. Condition 3 - The Cummins model NTA 855-G5 emergency generator is located in the emergency generator building next to (south of) the admin building. Condition 4 - Calendar year hours of maintenance operation are reported by Feb 15.</p>	<p>Periodic</p>
<p>C. Method of monitoring: Maintenance and Operating Logs</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</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 #: Attachment ATCM Engine N2, Conditions #1 - #3</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: Fuel Use and Operation Recordkeeping Condition 1 - Only CARB Diesel Fuel is used at the facility Condition 2 - Maintenance and testing operation of the emergency generator is limited to 20 hr/yr and is logged monthly Condition 3 - Records of operation and fuel purchased (type and quantity) are maintained on site</p>	<p>Periodic</p>
<p>C. Method of monitoring: Purchase Records and Operation Log</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</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: 10 / 01 / 2013 (MM/DD/YY) to 12 / 31 / 2014 (MM/DD/YY)

Ormond Beach Generating Station

<p>A. Attachment # or Permit Condition #: Attachment RICE MACT, Conditions #1 - #2</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: Maintenance and Operation Recordkeeping Condition 1 – Engines inspected and oil changed annually Condition 2 – Operated according to manufacturer specifications</p>	<p>Periodic</p>
<p>C. Method of monitoring: Maintenance and Operation Log</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</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 #: Attachment RICE MACT, Conditions #3 - #9</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: Operation Recordkeeping Condition 3 – Engines are equipped with a non-resettable timer Condition 4-9 – Operates less than the 100 hours permit limit.</p>	<p>Continuous</p>
<p>C. Method of monitoring: Maintenance and Operation Log</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</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 #: Attachment 103N1-65, Conditions #1 - #3</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: Continuous Monitoring Systems Conditions 1, 2 – A CEMS system is operated and maintained at the station Units 1 and 2 which meets the requirements of Rule 103.A.1 and 103.C.1. There were no breakdowns or other deviations that are subject to 103N1, Condition 2. Condition 3 – Monitored violations are reported to the District within 96 hours.</p>	<p>Continuous</p>
<p>C. Method of monitoring: CEMs Inspection, Maintenance, Testing, and Reporting Records</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</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: 10 / 01 / 2013 (MM/DD/YY) to 12 / 31 / 2014 (MM/DD/YY)

Ormond Beach Generating Station

<p>A. Attachment # or Permit Condition #: Attachment 103N1-65, Conditions #4 - #6</p>	<p>D. Frequency of monitoring: Continuous</p>
<p>B. Description: Continuous Monitoring Systems Condition 4 – Permanent CEMS records are maintained as required. Condition 5 – Data is reduced according to Appendix F of 40 CFR Part 75. Condition 6 - CEMS and excess emission reports are submitted to the District monthly.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: CEMs Inspection, Maintenance, Testing, and Reporting Records</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 #: Attachment 103N3-65, Conditions #1 - #3</p>	<p>D. Frequency of monitoring: Continuous</p>
<p>B. Description: Continuous Monitoring Systems Conditions 1, 2 – A CEMS system is operated and maintained at the station Aux-N and Aux-S which meets the requirements of Rule 103.A.3 and 103.C.3. There were no breakdowns or other deviations that are subject to 103N3, Condition 2. Condition 3 – Monitored violations are reported to the District within 96 hours.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: CEMs Inspection, Maintenance, Testing, and Reporting Records</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: 10 / 01 / 2013 (MM/DD/YY) to 12 / 31 / 2014 (MM/DD/YY)

Ormond Beach Generating Station

<p>A. Attachment # or Permit Condition #: Attachment 103N3-65, Conditions #4 - #6</p>	<p>D. Frequency of monitoring: Continuous</p>
<p>B. Description: Continuous Monitoring Systems Condition 4 – Permanent CEMS records are maintained as required. Condition 5 – Data is reduced as required by the condition. Condition 6 - CEMS and excess emission reports are submitted to the District monthly.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: CEMs Inspection, Maintenance, Testing, and Reporting Records</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 #: PO00065PC1-231, Conditions #1 - #2</p>	<p>D. Frequency of monitoring: Continuous</p>
<p>B. Description: General Recordkeeping Requirements and Solvent Cleaning Additional Requirements Condition 1 - Monthly record-keeping of permitted throughput and consumption, including fuel consumption, are maintained onsite. Condition 2 - Ormond Beach only uses cleaning products in nonrefillable aerosol cans. Records are maintained onsite.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Rules 26 and 29 Fuel Throughput/Consumption and Rule 29 Solvent Usage Records</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 #: PO00065PC2, Conditions #1 - #2, #3 - #4, #5</p>	<p>D. Frequency of monitoring: Continuous</p>
<p>B. Description: Rule 26 Permitted Throughput and Consumption Limit for Unit 1 and 2, Aux. Boilers and Rule 29 Natural Gas Only Requirement Conditions 1, 2 - Monthly and rolling 12-month records are maintained onsite. Conditions 3, 4 - Units 1 and 2 and the north and south auxiliary boilers only fire natural gas. Condition 5 - Emissions and fuel records and source test reports are maintained onsite.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Fuel Usage, Emission Records, and Test Reports</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: 10 / 01 / 2013 (MM/DD/YY) to 12 / 31 / 2014 (MM/DD/YY)

Ormond Beach Generating Station

<p>A. Attachment # or Permit Condition #: Attachment 50, Conditions #1 – #4</p>	<p>D. Frequency of monitoring:</p> <p>Periodic</p>
<p>B. Description: Opacity Limitations</p> <p>Method 9 opacity readings were done on the following sources during the compliance period; records are attached verifying no visible emissions</p> <p>Main Units and Auxiliary Boilers Emergency Generator Portable Welder Bead Blaster</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p> <p>N/A</p>
<p>C. Method of monitoring: Routine Visual Surveillance and Certification Records</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></p> <p>*If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Attachment 54.B.1, Conditions #1 - #3</p>	<p>D. Frequency of monitoring:</p> <p>Periodic</p>
<p>B. Description: Sulfur Compounds</p> <p>Compliance with Rule 64 ensures compliance with this rule based on District analysis. Compliance is assured because only PUC-regulated natural gas is combusted at the facility.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p> <p>N/A</p>
<p>C. Method of monitoring: Fuel Sulfur Analyses</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></p> <p>*If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Attachment 54.B.2, Conditions #1 - #3</p>	<p>D. Frequency of monitoring:</p> <p>Annually</p>
<p>B. Description: Sulfur Compounds Ground Level</p> <p>Units 1, 2, and the auxiliary boilers burn PUC quality natural gas. A fuel sulfur sample analysis is verified annually and maintained on site. District analysis dated 05/23/96 confirms compliance for the diesel-fired back-up generator.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p> <p>N/A</p>
<p>C. Method of monitoring: Recordkeeping and Modeling Demonstration</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></p> <p>*If yes, attach Deviation Summary Form</p>



## ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 10 / 01 / 2013 (MM/DD/YY) to 12 / 31 / 2014 (MM/DD/YY)

Ormond Beach Generating Station

<p>A. Attachment # or Permit Condition #: Attachment 55, Conditions #1 - #7</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: Fugitive Dust</p> <p>There are no operations, disturbed surface areas, or man-made conditions that are subject to Rule 55.</p>	<p>Periodic</p>
<p>C. Method of monitoring: Onsite Operations Review - Permit Condition Not Currently Applicable</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</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 #: Attachment 57.1, Conditions #1 - #2</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: Particulate Emissions from Fuel Burning Equipment</p> <p>Periodic Monitoring not required. District analysis dated 09/03/98 confirms compliance. (The 12/03/97 analysis noted in the permit is for Rule 68 and does not apply to Attachment 57.1)</p>	<p>Continuous</p>
<p>C. Method of monitoring: Rule 57.B District Analysis</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</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 #: Attachment 64.B.1, Conditions #1 - #4</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: Sulfur Content of Gaseous Fuels</p> <p>Only PUC-regulated Natural Gas is combusted at this facility. Records are available on site.</p>	<p>Continuous</p>
<p>C. Method of monitoring: Fuel Sulfur Analyses</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</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: 10 / 01 / 2013 (MM/DD/YY) to 12 / 31 / 2014 (MM/DD/YY)

Ormond Beach Generating Station

<p>A. Attachment # or Permit Condition #: Attachment 64.B.2, Conditions #1 - #3</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: Sulfur Content of Liquid Fuel</p> <p>The site uses CARB-approved diesel in the emergency generator. Gasoline and diesel purchase records are maintained onsite for District review; delivery record is attached confirming use of CARB-certified gasoline and diesel fuels.</p>	<p>Continuous</p>
<p>C. Method of monitoring: CARB Diesel and Gasoline Purchase Records</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</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 #: Attachment 74.6, Conditions #1 - #15</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: Surface Cleaning and Degreasing</p> <p>Ormond Beach only uses cleaning products in nonrefillable aerosol cans. Records are maintained onsite.</p>	<p>Continuous</p>
<p>C. Method of monitoring: Routine surveillance of Solvent Usage, and Activity Records</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</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 #: Attachment 74.11.1, Conditions #1 - #4</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: Large Water Heaters and Small Boilers</p> <p>Only electric water heaters are used at the site and no small boilers exist at the facility, compliance with the requirements is not required.</p>	<p>N/A</p>
<p>C. Method of monitoring: Equipment Design Record Review - Permit Condition Not Currently Applicable</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</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: 10 / 01 / 2013 (MM/DD/YY) to 12 / 31 / 2014 (MM/DD/YY)

Ormond Beach Generating Station

<p>A. Attachment # or Permit Condition #: Attachment 74.22, Conditions #1 - #3</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: Natural gas Fired Fan-type Central Furnaces No natural gas-fired fan-type central furnaces to which the attachment applies exist at the facility, compliance with the requirements is not required.</p>	<p>N/A</p>
	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Equipment Design Record Review - Permit Condition Not Currently Applicable</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 #: Attachment 74.1, Conditions #1 - #7</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: Abrasive Blasting Bead blast records are available for review at the plant.</p>	<p>Periodic</p>
	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Operating Log Records; Routine Surveillance of Bead Blaster</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 #: Attachment 74.2, Conditions #1 - #6</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: Architectural Coatings Facility maintains records of paints used and VOC content for District review.</p>	<p>Continuous</p>
	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Routine Surveillance of Paint Usage, and Activity Records</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: 10 / 01 / 2013 (MM/DD/YY) to 12 / 31 / 2014 (MM/DD/YY)

Ormond Beach Generating Station

<p>A. Attachment # or Permit Condition #: Attachment 74.29N3, Conditions #1 - #14</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: Soil Decontamination Operations No soil remediation has taken place at the Ormond Beach Generating Station.</p>	<p>N/A</p>
	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Onsite Operations Review - Permit Condition Not Currently Applicable</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 #: Attachment 40CFR61.M, Conditions #1 - #2</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: Asbestos Standard Inspection, Notification, and Contractor Records are maintained onsite.</p>	<p>Periodic</p>
	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Inspection, Notification, and Contractor Records</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 #: Attachment Part 70 General, Conditions #1 - #4</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: General Part 70 Permit Conditions Condition 1 - Compliance status of each federally enforceable condition is reviewed. Condition 2 - Facility strives to comply with all applicable conditions. Condition 3 - Deviations from Part 70 requirements are reported within 4 hours. Condition 4 - Facility understands that the need to halt an activity to comply is not a defense against enforcement action</p>	<p>Continuous</p>
	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Title V Reports and Periodic Review of Requirements</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: 10 / 01 / 2013 (MM/DD/YY) to 12 / 31 / 2014 (MM/DD/YY)

Ormond Beach Generating Station

<p>A. Attachment # or Permit Condition #: Attachment Part 70 General, Conditions #5</p>	<p>D. Frequency of monitoring: Continuous</p>
<p>B. Description: General Part 70 Permit Conditions Condition 5 - All required records, monitoring data, and support information are maintained for a period of 5 years.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Title V Reports and Periodic Review of Requirements</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 #: Attachment Part 70 General, Conditions #6 - #7</p>	<p>D. Frequency of monitoring: Continuous</p>
<p>B. Description: General Part 70 Permit Conditions Condition 6 - Facility furnishes information to District when requested. Condition 7 - Facility provides District access to facilities.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Title V Reports and Periodic Review of Requirements</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 #: Attachment Part 70 General, Conditions #8 - #10</p>	<p>D. Frequency of monitoring: Continuous</p>
<p>B. Description: General Part 70 Permit Conditions Condition 8 - Facility understands that the permit may be modified, revoked, reopened, reissued, or terminated for cause Condition 9 - Facility understands that the permit may be reopened by the District under specific conditions. Condition 10 - Facility strives to pay all fees to maintain the permit active.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Title V Reports and Periodic Review of Requirements</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: 10 / 01 / 2013 (MM/DD/YY) to 12 / 31 / 2014 (MM/DD/YY)

**Ormond Beach Generating Station**

<p>A. Attachment # or Permit Condition #: Attachment Part 70 General, Conditions #11 - #15</p>	<p>D. Frequency of monitoring: Continuous</p>
<p>B. Description: General Part 70 Permit Conditions</p> <p>Condition 11 - Facility recognizes that the permit does not provide any specific property rights.</p> <p>Condition 12 - Facility recognizes that the permit provisions are severable. Condition 13 - Facility recognizes that an application for permit renewal is required no more than 18 months and no less than 6 months prior to the expiration date</p> <p>Condition 14 - Facility recognizes that any document submitted on behalf of this permit must be certified by a responsible official.</p> <p>Condition 15 - Facility submits a certification of compliance with all applicable requirements to the District and EPA on an annual basis.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Title V Reports and Periodic Review of Requirements</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 #: Attachment PO General, Conditions #1 - #2</p>	<p>D. Frequency of monitoring: Continuous</p>
<p>B. Description: General Permit to Operate Conditions</p> <p>Condition 1 - Facility recognizes that petitions to review or revise conditions issued on a permit to operate must be submitted within 30 days of receipt of permit to operate.</p> <p>Condition 2 - Facility maintains copies of the permit reasonably close to the equipment and readily accessible for District review.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Periodic Review of Requirements</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 #: Attachment PO General, Conditions #3 - #4</p>	<p>D. Frequency of monitoring: Continuous</p>
<p>B. Description: General Permit to Operate Conditions</p> <p>Condition 3 - Facility recognizes that equipment that is not permitted as portable is not transferable from one location to another</p> <p>Condition 4 - Facility recognizes that the District may suspend the permit if District is denied access to requested information within a reasonable amount of time.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Periodic Review of Requirements</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: 10 / 01 / 2013 (MM/DD/YY) to 12 / 31 / 2014 (MM/DD/YY)

Ormond Beach Generating Station

<p>A. Attachment # or Permit Condition #: Attachment SHIELD - D, Da, Db</p>	<p>D. Frequency of monitoring: Continuous</p>
<p>B. Description: Permit Shield - New Source Performance Standards Facility periodically reviews applicability of identified NSPS subparts</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Periodic Review of Potentially Applicable Requirements</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 #: Attachment 40CFR68RMP-65</p>	<p>D. Frequency of monitoring: Annually</p>
<p>B. Description: Risk Management Plan The site has a current and complete Risk Management Plan.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Risk Management Plan Documentation and Review</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 #: Attachment 40CFR72-78</p>	<p>D. Frequency of monitoring: Continuous</p>
<p>B. Description: Acid Rain Program Facility maintains records to ensure compliance with monitoring, emission limits, recordkeeping, and reporting requirements.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Periodic Review of Requirements</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: 10 / 01 / 2013 (MM/DD/YY) to 12 / 31 / 2014 (MM/DD/YY)

Ormond Beach Generating Station

A. Attachment # or Permit Condition #: Attachment 40CFR82	D. Frequency of monitoring:  Continuous
B. Description: Protection of Stratospheric Ozone Certified contractors are used to conduct any air conditioning work in the plant.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: Inspection, Notification, and Contractor Records	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

A. Attachment # or Permit Condition #: INTENTIONALLY LEFT BLANK	D. Frequency of monitoring:  
B. Description:	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
C. Method of monitoring:	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

A. Attachment # or Permit Condition #: INTENTIONALLY LEFT BLANK	D. Frequency of monitoring:  
B. Description:	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
C. Method of monitoring:	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

**SCOTT WARNOCK**

Student ID: 51735

is certified as a visible emission evaluator based on the score achieved and the criteria established by the U.S. EPA Reference Method 9.



Certification expires: **01/23/2015**



**07/22/2014**

Certified Date

To verify this cert info, scan the QR code or visit [www.arb.ca.gov/training/voeverification.php](http://www.arb.ca.gov/training/voeverification.php)

Certified for: **100.1**

Average Deviation:

100.1 = Day

No Sun Glasses: White: **6.8** Black: **4.6**

100.2 = Night

Sun Glasses: White: Black:

Fold



California Environmental Protection Agency

**Air Resources Board**

**VISIBLE EMISSION EVALUATION PROGRAM**

Information on future schedule and locations:

Day cert: [www.arb.ca.gov/training/courses.php?course=100.1](http://www.arb.ca.gov/training/courses.php?course=100.1)

Night cert: [www.arb.ca.gov/training/courses.php?course=100.2](http://www.arb.ca.gov/training/courses.php?course=100.2)

To verify cert info: [www.arb.ca.gov/training/voeverification.php](http://www.arb.ca.gov/training/voeverification.php)

ARB, Enforcement Division, Training Section

P.O. Box 2815, Sacramento, CA 95812

[arbtrain@arb.ca.gov](mailto:arbtrain@arb.ca.gov)

(916) 322 - 3937

Cut

## RECORD OF VISIBLE EMISSIONS

LOCATION: Ormond Beach Generating Station

DATE: Sept 6, 2014

UNIT: 1

FUEL: Natural Gas

TEST NO.: 1

OBSERVER: S. Warnock

ATMOSPHERIC CONDITIONS: Clear

WEATHER: Wind from the ~~N~~ @ 6 mph

OBSERVER'S LOCATION: See sketch below

Temp 66 °F Humidity 84 %

TIME					COMMENTS	TIME					COMMENTS	
Hr.	Min.	Second				Hr.	Min.	Second				
		00	15	30	45			00	15	30	45	
	00											
	01											
	02											
	03											
	04											
	05					9	35	∅	∅	∅	∅	
	06						36	∅	∅	∅	∅	
	07						37	∅	∅	∅	∅	
	08						38	∅	∅	∅	∅	
	09						39	∅	∅	∅	∅	
	10						40	∅	∅	∅	∅	
	11						41	∅	∅	∅	∅	
	12						42					
	13						43					
	14						44					
	15						45					
	16						46					
	17						47					
	18						48					
	19						49					
	20						50					
	21						51					
	22						52					
	23						53					
	24						54					
	25						55					
	26						56					
	27						57					
	28						58					
	29						59					

Comments/Notes: Stack Height = 200 feet, Readings taken 3 stack heights away, Load = 0 MW

Sketch     Sun     Observer

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



x  
o

## RECORD OF VISIBLE EMISSIONS

LOCATION: Ormond Beach Generating Station

DATE: 7/28/2014

UNIT: 2 FUEL: Natural Gas TEST NO.: 1 OBSERVER: S. Warnock

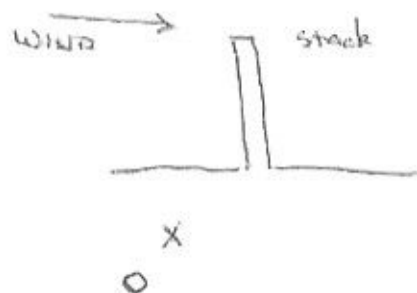
ATMOSPHERIC CONDITIONS: Cloudy WEATHER: Wind from the SW @ 6 mph

OBSERVER'S LOCATION: See sketch below Temp 73 °F Humidity 75 %

TIME					COMMENTS	TIME					COMMENTS	
Hr.	Min.	Second				Hr.	Min.	Second				
		00	15	30	45			00	15	30	45	
	00											
	01											
	02					9	32	0	0	0	0	
	03						33	0	0	0	0	
	04						34	0	0	0	0	
	05						35	0	0	0	0	
	06						36	0	0	0	0	
	07						37	0	0	0	0	
	08						38					
	09						39					
	10						40					
	11						41					
	12						42					
	13						43					
	14						44					
	15						45					
	16						46					
	17						47					
	18						48					
	19						49					
	20						50					
	21						51					
	22						52					
	23						53					
	24						54					
	25						55					
	26						56					
	27						57					
	28						58					
	29						59					

Comments/Notes: Stack Height = 200 feet, Readings taken 3 stack heights away, Load = 25 MW

Sketch    ○ Sun    × Observer



## RECORD OF VISIBLE EMISSIONS

LOCATION: Ormond Beach Generating Station

DATE: Sept 14, 2014

UNIT: AUX-N

FUEL: Natural Gas

TEST NO.: \_\_\_\_\_

OBSERVER: S. Warnock

ATMOSPHERIC CONDITIONS: Clear

WEATHER: Wind from the NW @ 12 mph

OBSERVER'S LOCATION: See sketch below

Temp: 85 °F Humidity: 67 %

Hr.	TIME				COMMENTS	Hr.	TIME				COMMENTS		
	Min.	Second					Min.	Second					
		00	15	30				45	00	15		30	45
	00						30						
	01						31						
	02						32						
	03						33						
	04						34						
	05						35						
	06						36						
	07						37						
	08						38						
	09						39						
	10						40						
	11						41						
	12						42						
	13						43						
	14						44						
	15						45						
	16						46						
	17						47						
	18						48						
	19						49						
<u>13</u>	20	$\emptyset$	$\emptyset$	$\emptyset$	$\emptyset$		50						
	21	$\emptyset$	$\emptyset$	$\emptyset$	$\emptyset$		51						
	22	$\emptyset$	$\emptyset$	$\emptyset$	$\emptyset$		52						
	23	$\emptyset$	$\emptyset$	$\emptyset$	$\emptyset$		53						
	24	$\emptyset$	$\emptyset$	$\emptyset$	$\emptyset$		54						
	25	$\emptyset$	$\emptyset$	$\emptyset$	$\emptyset$		55						
	26						56						
	27						57						
	28						58						
	29						59						

Comments/Notes: Stack Height = 75 feet, Readings

Sketch:  Sun  Observer

taken 3 stack heights away, Load = 0 MW

Start up 47.0 KSCFH

Gas Flow



X

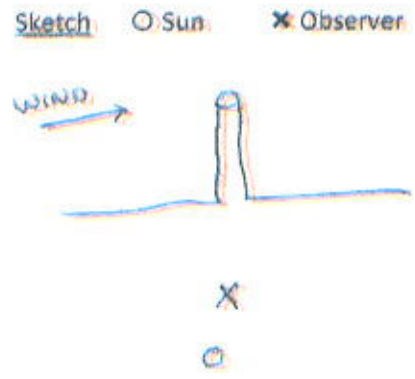
O

## RECORD OF VISIBLE EMISSIONS

**LOCATION:** Ormond Beach Generating Station      **DATE:** Sept. 14, 2014  
**UNIT:** AUX-5      **FUEL:** Natural Gas      **TEST NO.:** 1      **OBSERVER:** S. Warnock  
**ATMOSPHERIC CONDITIONS:** Clear      **WEATHER:** Wind from the NW @ 12 mph  
**OBSERVER'S LOCATION:** See sketch below      **Temp:** 85 °F      **Humidity:** 67 %

TIME					COMMENTS	TIME					COMMENTS	
Hr.	Min.	Second				Hr.	Min.	Second				
		00	15	30	45			00	15	30	45	
	00											
	01											
	02											
	03											
	04											
	05											
	06											
	07											
	08											
	09											
	10											
	11											
	12											
	13											
	14											
	15											
	16											
	17											
	18											
	19											
	20											
15	21	∅	∅	∅	∅							
	22	∅	∅	∅	∅							
	23	∅	∅	∅	∅							
	24	∅	∅	∅	∅							
	25	∅	∅	∅	∅							
	26	∅	∅	∅	∅							
	27											
	28											
	29											

**Comments/Notes:** Stack Height = 75 feet, Readings  
taken 3 stack heights away, Load = 0 MW  
Startup 132.2 KSCFH  
Gas Flow





## RECORD OF VISABLE EMISSIONS

LOCATION: Ormond Beach Generating Station    OBSERVER: S. Warnock    DATE: 12-23-14

TEST UNIT: Emergency Generator    FUEL TYPE: Gasoline    TEST #: 1

ATMOSPHERIC CONDITIONS: Clear skies    WEATHER: Wind from the NE @ 4 mph

OBSERVER'S LOCATION: See sketch below    Temp: 77 °F Humidity 44 %

TIME					COMMENTS	TIME					COMMENTS	
Hr.	Min.	Second				Hr.	Min.	Second				
		00	15	30	45			00	15	30	45	
	00						30					
	01						31					
	02						32					
	03						33					
	04						34					
	05						35					
	06						36					
	07						37	Ø	Ø	Ø	Ø	
	08						38	Ø	Ø	Ø	Ø	
	09						39	Ø	Ø	Ø	Ø	
	10						40	Ø	Ø	Ø	Ø	
	11						41	Ø	Ø	Ø	Ø	
	12						42	Ø	Ø	Ø	Ø	
	13						43					
	14						44					
	15						45					
	16						46					
	17						47					
	18						48					
	19						49					
	20						50					
	21						51					
	22						52					
	23						53					
	24						54					
	25						55					
	26						56					
	27						57					
	28						58					
	29						59					

Comments/Notes: Stack Height = 15 feet, Readings

Sketch    ○ Sun    × Observer

taken 3 stack heights away

---



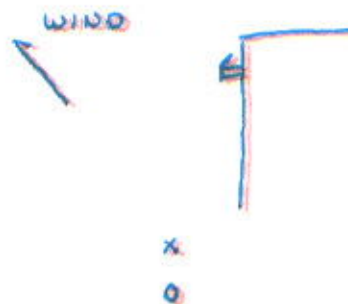
---



---



---



## RECORD OF VISABLE EMISSIONS

LOCATION: Ormond Beach Generating Station    OBSERVER: S. Warnock    DATE: 12/18/14

TEST UNIT: Makita Weed Trimmer #2    FUEL TYPE: Gasoline    TEST #: 1

ATMOSPHERIC CONDITIONS: Cloudy skies    WEATHER: Wind from the NE @ 5-7 mph

OBSERVER'S LOCATION: See sketch below    Temp 58 °F Humidity 72 %

TIME					COMMENTS	TIME					COMMENTS	
Hr.	Min.	Second				Hr.	Min.	Second				
		00	15	30	45			00	15	30	45	
	00											
	01											
	02											
	03											
	04											
	05											
	06											
1	07	Ø	Ø	Ø	Ø							
	08	Ø	Ø	Ø	Ø							
	09	Ø	Ø	Ø	Ø							
	10	Ø	Ø	Ø	Ø							
	11	Ø	Ø	Ø	Ø							
	12	Ø	Ø	Ø	Ø							
	13											
	14											
	15											
	16											
	17											
	18											
	19											
	20											
	21											
	22											
	23											
	24											
	25											
	26											
	27											
	28											
	29											

Comments/Notes: Exhaust height 36" on the back of a service cart.

Sketch    ○ Sun    × Observer

WIND  
↙



×

○

## RECORD OF VISABLE EMISSIONS

**LOCATION:** Ormond Beach Generating Station    **OBSERVER:** S. Warnock    **DATE:** 12/18/14  
**TEST UNIT:** Makita Weed Trimmer \*1    **FUEL TYPE:** Gasoline    **TEST #:** 1  
**ATMOSPHERIC CONDITIONS:** Cloudy skies.    **WEATHER:** Wind from the NE @ 5-7 mph  
**OBSERVER'S LOCATION:** See sketch below    **Temp:** 58 °F    **Humidity:** 72 %

TIME					COMMENTS	TIME					COMMENTS	
Hr.	Min.	Second				Hr.	Min.	Second				
		00	15	30	45			00	15	30	45	
1	00	Ø	Ø	Ø	Ø			30				
	01	Ø	Ø	Ø	Ø			31				
	02	Ø	Ø	Ø	Ø			32				
	03	Ø	Ø	Ø	Ø			33				
	04	Ø	Ø	Ø	Ø			34				
	05	Ø	Ø	Ø	Ø			35				
	06							36				
	07							37				
	08							38				
	09							39				
	10							40				
	11							41				
	12							42				
	13							43				
	14							44				
	15							45				
	16							46				
	17							47				
	18							48				
	19							49				
	20							50				
	21							51				
	22							52				
	23							53				
	24							54				
	25							55				
	26							56				
	27							57				
	28							58				
	29							59				

Comments/Notes: Exhaust height 36" on the back  
of a service cart.

Sketch     Sun     Observer



## RECORD OF VISABLE EMISSIONS

LOCATION: Ormond Beach Generating Station    OBSERVER: S. Warnock    DATE: 12/10/14

TEST UNIT: Shindaiwa Weed Trimmer    FUEL TYPE: Gasoline    TEST #: 1

ATMOSPHERIC CONDITIONS: Cloudy skies    WEATHER: Wind from the NE @ 5-7 mph

OBSERVER'S LOCATION: See sketch below    Temp: 58 °F Humidity: 72 %

TIME					COMMENTS	TIME					COMMENTS
Hr.	Min.	Second				Hr.	Min.	Second			
		00	15	30	45			00	15	30	45
	00						30				
	01						31				
	02						32				
	03						33				
	04						34				
	05						35				
	06						36				
	07						37				
	08						38				
	09						39				
	10						40				
	11						41				
	12						42				
	13						43				
1	14	Ø	Ø	Ø	Ø		44				
	15	Ø	Ø	Ø	Ø		45				
	16	Ø	Ø	Ø	Ø		46				
	17	Ø	Ø	Ø	Ø		47				
	18	Ø	Ø	Ø	Ø		48				
	19	Ø	Ø	Ø	Ø		49				
	20						50				
	21						51				
	22						52				
	23						53				
	24						54				
	25						55				
	26						56				
	27						57				
	28						58				
	29						59				

Comments/Notes: Exhaust height 36" on the back of a service cart.

Sketch    ○ Sun    ✕ Observer



## RECORD OF VISABLE EMISSIONS

**LOCATION:** Ormond Beach Generating Station    **OBSERVER:** S. Warnock    **DATE:** 12/18/14  
**TEST UNIT:** Honda GX-240 Dewater Pump    **FUEL TYPE:** Gasoline    **TEST #:** 1  
**ATMOSPHERIC CONDITIONS:** Clady skies    **WEATHER:** Wind from the NE @ 3-5 mph  
**OBSERVER'S LOCATION:** See sketch below    Temp. 60 °F Humidity 67 %

Hr.	TIME				COMMENTS	Hr.	TIME				COMMENTS		
	Min.	Second					Min.	Second					
		00	15	30				45	00	15		30	45
	00						30						
	01						31						
	02						32						
	03						33						
	04						34						
	05						35						
	06						36						
	07						37						
	08						38						
	09						39						
	10						40						
	11						41						
	12						42						
	13						43						
	14						44						
	15						45						
	16						46						
<u>12</u>	17	<u>Ø</u>	<u>Ø</u>	<u>Ø</u>	<u>Ø</u>		47						
	18	<u>Ø</u>	<u>Ø</u>	<u>Ø</u>	<u>Ø</u>		48						
	19	<u>Ø</u>	<u>Ø</u>	<u>Ø</u>	<u>Ø</u>		49						
	20	<u>Ø</u>	<u>Ø</u>	<u>Ø</u>	<u>Ø</u>		50						
	21	<u>Ø</u>	<u>Ø</u>	<u>Ø</u>	<u>Ø</u>		51						
	22	<u>Ø</u>	<u>Ø</u>	<u>Ø</u>	<u>Ø</u>		52						
	23	<u>Ø</u>	<u>Ø</u>				53						
	24						54						
	25						55						
	26						56						
	27						57						
	28						58						
	29						59						

Comments/Notes: Stack Height = 18'

Sketch     Sun     Observer

---



---



---



---



---



## RECORD OF VISABLE EMISSIONS

**LOCATION:** Ormond Beach Generating Station    **OBSERVER:** S. Warnock    **DATE:** 12/18/14  
**TEST UNIT:** Pressure Washer-Honda GX-390    **FUEL TYPE:** Gasoline    **TEST #:** 1  
**ATMOSPHERIC CONDITIONS:** Cloudy skies    **WEATHER:** Wind from the NE @ 5-7 mph  
**OBSERVER'S LOCATION:** See sketch below    **Temp:** 58 °F    **Humidity:** 72 %

TIME					COMMENTS	TIME					COMMENTS		
Hr.	Min.	Second				Hr.	Min.	Second					
		00	15	30	45			00	15	30	45		
	00						12	30	∅	∅	∅	∅	
	01							31	∅	∅	∅	∅	
	02							32	∅	∅	∅	∅	
	03							33	∅	∅	∅	∅	
	04							34	∅				
	05							35					
	06							36					
	07							37					
	08							38					
	09							39					
	10							40					
	11							41					
	12							42					
	13							43					
	14							44					
	15							45					
	16							46					
	17							47					
	18							48					
	19							49					
	20							50					
	21							51					
	22							52					
	23							53					
	24							54					
	25							55					
	26							56					
	27							57					
12	28	∅	∅	∅	∅			58					
	29	∅	∅	∅	∅			59					

Comments/Notes: Stack Height = 23'

Sketch     Sun     Observer

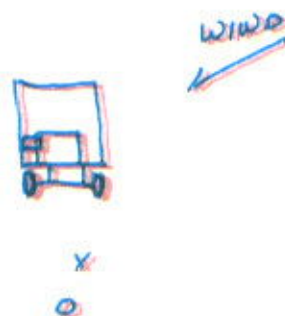
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



## RECORD OF VISABLE EMISSIONS

LOCATION: Ormond Beach Generating Station      OBSERVER: S. Warnock      DATE: \_\_\_\_\_

TEST UNIT: Briggs & Stratton AMT 550 Pump      FUEL TYPE: Gasoline      TEST #: \_\_\_\_\_

ATMOSPHERIC CONDITIONS: \_\_\_\_\_ skies      WEATHER: *Wind from the* \_\_\_\_\_ @ \_\_\_\_\_ mph

OBSERVER'S LOCATION: See sketch below      Temp: \_\_\_\_\_ °F      Humidity: \_\_\_\_\_ %

TIME					COMMENTS	TIME					COMMENTS	
Hr.	Min.	Second				Hr.	Min.	Second				
		00	15	30	45			00	15	30	45	
	00							30				
	01							31				
	02							32				
	03							33				
	04							34				
	05							35				
	06							36				
	07							37				
	08							38				
	09							39				
	10							40				
	11							41				
	12							42				
	13							43				
	14							44				
	15							45				
	16							46				
	17							47				
	18							48				
	19							49				
	20							50				
	21							51				
	22							52				
	23							53				
	24							54				
	25							55				
	26							56				
	27							57				
	28							58				
	29							59				

Comments/Notes: Non-operational since 2012

Sketch     Sun     Observer

---



---



---



---



---

## RECORD OF VISABLE EMISSIONS

**LOCATION:** Ormond Beach Generating Station    **OBSERVER:** S. Warnock    **DATE:** \_\_\_\_\_

**TEST UNIT:** Miller Blue Star Portable Welder    **FUEL TYPE:** Gasoline    **TEST #:** \_\_\_\_\_

**ATMOSPHERIC CONDITIONS:** \_\_\_\_\_ skies    **WEATHER:** *Wind from the* \_\_\_\_\_ @ \_\_\_\_\_ mph

**OBSERVER'S LOCATION:** See sketch below    *Temp:* \_\_\_\_\_ °F    *Humidity:* \_\_\_\_\_ %

TIME					COMMENTS	TIME					COMMENTS		
Hr.	Min.	Second				Hr.	Min.	Second					
		00	15	30				45	00	15		30	45
	00						30						
	01						31						
	02						32						
	03						33						
	04						34						
	05						35						
	06						36						
	07						37						
	08						38						
	09						39						
	10						40						
	11						41						
	12						42						
	13						43						
	14						44						
	15						45						
	16						46						
	17						47						
	18						48						
	19						49						
	20						50						
	21						51						
	22						52						
	23						53						
	24						54						
	25						55						
	26						56						
	27						57						
	28						58						
	29						59						

Comments/Notes: Non-operational since 2014

Sketch     Sun     Observer

---



---



---



---



---



## RECORD OF VISABLE EMISSIONS

LOCATION: Ormond Beach Generating Station    OBSERVER: S. Warnock    DATE: 12/18/14

TEST UNIT: 13 HP Vanguard Dewater Pump    FUEL TYPE: Gasoline    TEST #: 1

ATMOSPHERIC CONDITIONS: \_\_\_\_\_ skies    WEATHER: Wind from the NE @ \_\_\_\_\_ mph

OBSERVER'S LOCATION: See sketch below    Temp: \_\_\_\_\_ °F    Humidity: \_\_\_\_\_ %

TIME					COMMENTS	TIME					COMMENTS	
Hr.	Min.	Second				Hr.	Min.	Second				
		00	15	30	45			00	15	30	45	
	00						30					
	01						31					
	02						32					
	03						33					
	04						34					
	05						35					
	06						36					
	07						37					
	08						38					
	09						39					
	10						40					
	11						41					
	12						42					
	13						43					
	14						44					
	15						45					
	16						46					
	17						47					
	18						48					
	19						49					
	20						50					
	21						51					
	22						52					
	23						53					
	24						54					
	25						55					
	26						56					
	27						57					
	28						58					
	29						59					

Comments/Notes: Non-operational since 2010

Sketch     Sun     Observer

---



---



---



---



---



# ORMOND BEACH GENERATING STATION HIGH ACCURACY ELECTRONIC WATT-HOUR METER TEST

Single Phase  
Poly Phase

WORK ORDER #:

LOCATION: 0895      WORK ORDER #: \_\_\_\_\_  
 MANUFACTURER: DEL      SERIAL #: 314202186  
 WATTS: 3A      PHASE: 3      ELEMENT: 2      MODEL: 735      NOMINAL ANALOG: 4-20 mA  
 P.T. RATIO: 340      C.T. RATIO: 5000      WIRE: 3      PULSE/HOUR: 20000      Kct: 1.8      MULTIPLIER: \_\_\_\_\_  
 STD. ELE.: \_\_\_\_\_      STD. SER. NO.: \_\_\_\_\_      STD. Ke: \_\_\_\_\_      STD. mA: \_\_\_\_\_      STD. WATTS: \_\_\_\_\_

START OF TEST      END OF TEST  
 TIME: \_\_\_\_\_      TIME: \_\_\_\_\_  
 WATT DISPLAY: 0.00      WATT DISPLAY: 0.00  
 WATT-HOUR COUNT: 0.000      WATT-HOUR COUNT: 62165.857

## TEST DATA

NOMINAL SETTINGS				DIGITAL OUTPUT				ANALOG OUTPUT				WATTS DISPLAY					
Sec. Volts	Sec. Amps	P.F.	TM Coef	Run Pulses	RO Count	STD & IT % E	Standard Count	IND %E	TRUE %E	UT mA	STD scd. mA	IND. % E	TRUE %E	Display Watts	STD. Watts	IND. %E	TRUE %E
				Run #1	Run #2	Ave.	AS FOUND / AS LEFT										
115	5.0	1.0		19987	398		1Mm			20	20.0			1194	1195.0		
115	4.167	1.0		36781	490		1Mm			11.3	17.3			995	996.0		
115	2.5	1.0		47628	831		1Mm			12.0	11.99			547	548		
115	2.083	1.0		5398	277		1Mm			10.62	10.66			497	498		
115	1.042	1.0		60163	953		1Mm			7.32	7.34			249	249		
115	0.5	1.0		6265	857		1Mm			5.6	5.61			119	119.3		
115	0	1.0								4.0				0.0	0.0		

COMMENTS:

*Equip. - ARTES II 440*

Signed: *Jim Samuel*

Test Tech: Jim Samuel      805) 965-7294  
 Contact Information: \_\_\_\_\_

Date: 12/20/2014

# ORMOND BEACH GENERATING STATION HIGH ACCURACY ELECTRONIC WATT-HOUR METER TEST

Single Phase  
Poly Phase



WORK ORDER #:

LOCATION: OBG5      WORK ORDER #: 3142020187  
 MANUFACTURER: SEL      CIRCUIT: Unit 1 A.C. Transformer      SERIAL #: 3142020187  
 WATTS: 34      MODEL: 735      VOLTS: 115      NOMINAL ANALOG: 4-20 mA  
 P.T. RATIO: 240      PHASE: 3      WIRE: 3      PULSE/HOUR: 57300      K<sub>2</sub>: 1.8      MULTIPLIER:           
 C.T. RATIO: 240      STD. SER. NO.:               STD. mA:               STD. WATTS:           
 STD. ELE.:         

START OF TEST

END OF TEST

TIME: 0.08  
 WATT DISPLAY: 0.08  
 WATT-HOUR COUNT: 0.00

TIME: 0.02  
 WATT DISPLAY: 0.02  
 WATT-HOUR COUNT: 2964.290

## TEST DATA

NOMINAL SETTINGS				DIGITAL OUTPUT				ANALOG OUTPUT				WATTS DISPLAY						
Sec. Volts	Sec. Amps	P.F.	Thi Coil	Run Pulses	RO Count	STD & IT % E	Standard Count		IND % E	TRUE % E	UT mA	STD std. mA	RID. % E	TRUE % E	Display Watts	STD. Watts	IND. % E	TRUE % E
							Run #1	Run #2										
115	5.0	1.0		963	709	1 Min					20	30.0			573	57.24		
115	4.167	1.0		1766	831	1 Min					17.3	17.36			47.75	47.8		
115	2.5	1.0		2257	668	1 Min					11.99	12.03			28.6	28.69		
115	2.083	1.0		2653	668	1 Min					10.67	10.69			23.9	23.9		
115	1.042	1.0		2857	181	1 Min					7.32	7.36			11.9	11.96		
115	0.5	1.0		3964	290	1 Min					5.6	5.62			5.72	5.75		
115	0	1.0		-	-	-					4.0	4.0			0.02	0.02		

AS FOUND / AS LEFT

COMMENTS:

EQUIP. - ARTES II 440

Test Tech: Jim Samuel      Date: 12/20/2014  
 Contact Information: 805) 985-7294      (Cell: 805) 431-0552  
 Signed: Jim Samuel

# ORMOND BEACH GENERATING STATION HIGH ACCURACY ELECTRONIC WATT-HOUR METER TEST

Single Phase  
Poly Phase



WORK ORDER #:

LOCATION: OBGS      CIRCUIT: Whit 2 Gross MW      SERIAL #: 314202188      mA  
 MANUFACTURER: SEL      MODEL: 735      VOLTS: 115      NOMINAL ANALOG: 4  
 WATTS: 34      PHASE: 3      ELEMENT: 2      WIRE: 3      PULSE/HOUR: 80000      MULTIPLIER: 61.8  
 P.T. RATIO: 246      C.T. RATIO: 5000      STD. SER. NO.:      STD. mA:      STD. WATTS:  
 STD. ELE.:      START OF TEST      END OF TEST      TIME:      WATT DISPLAY      WATT-HOUR COUNT: 61890.00

START OF TEST

END OF TEST

TIME:

TIME:

WATT DISPLAY 0.0

WATT DISPLAY 0.0

WATT-HOUR COUNT: 0.001

WATT-HOUR COUNT: 61890.00

## TEST DATA

NOMINAL SETTINGS				DIGITAL OUTPUT			ANALOG OUTPUT			WATTS DISPLAY					
Sec. Volts	Sec. Amps	P.F.	TM Coil	Run Pulses	Run #1	Run #2	Standard Count	IND %E	UT mA	STD. mA	IND. %E	Display Watts	STD. Watts	IND. %E	TRUE %E
					AS FOUND / AS LEFT										
115	5.0	1.0		20117	753		1MIN		20	1995		1194	1995		
115	4.67	1.0		36777	160		1MIN		173	173		995	996		
115	2.5	1.0		46334	097		1MIN		120	1199		600	598.7		
115	2.08	1.0		53778	281		1MIN		10.62	10.66		497	498		
115	1.042	1.0		59881	233		1MIN		7.32	7.34		249	249		
115	0.5	1.0		61590.00			1MIN		5.6	5.61		119.4	119		
115	0.0	1.0							4.0	4.0		0.0	0.0		

COMMENTS:

*Equip. - Agres II 446*

Test Tech: Jim Samuel  
 Contact Information: 805) 986-7294

Signed: Jim Samuel  
 Cell: 805) 431-0562

Date: 12/20/2014

# ORMOND BEACH GENERATING STATION HIGH ACCURACY ELECTRONIC WATT-HOUR METER TEST



Single Phase  
Poly Phase

WORK ORDER #:

LOCATION: 0895      WORK ORDER #: 314202185  
 MANUFACTURER: SEL      CIRCUIT: Unit 2 A.A. Tanker MW      SERIAL #: 314202185  
 WATTS: 34      MODEL: 735      VOLTS: 115      NOMINAL ANALOG: 4.8 mA  
 P.T. RATIO: 240      PHASE: 3      ELEMENT: 2      WIRE: 3      PULSE/HOUR: 5780      KE: 1.8      MULTIPLIER:           
 STD. ELE.:               C.T. RATIO: 240      STD. SER. NO.:               STD. Ke:               STD. mA:               STD. WATTS:         

START OF TEST      END OF TEST  
 TIME: 0.02      TIME: 0.02  
 WATT DISPLAY: 0.02      WATT DISPLAY: 0.02  
 WATT-HOUR COUNT: 0.00      WATT-HOUR COUNT: 2949.831

## TEST DATA

NOMINAL SETTINGS				DIGITAL OUTPUT				ANALOG OUTPUT				WATTS DISPLAY					
Sec. Volts	Sec. Amps	P.F.	TIN Coil	Run Pulses	RO Count	Standard Count		IND %E	TRUE %E	UT mA	STD std. mA	IND. % E	TRUE %E	Display Watts	STD. Watts	IND. %E	TRUE %E
						Run #1	Run #2										
115	5.0	1.0		963	533	1111				20	20.0			57.3	57.3		
115	4.167	1.0		764	822	1111				17.3	17.36			47.75	47.8		
115	2.5	1.0		2246	487	1111				11.99	12.0			28.6	28.69		
115	2.083	1.0		2646	436	1111				10.67	10.69			23.9	23.91		
115	1.042	1.0		2853	560	1111				7.32	7.36			11.9	11.96		
115	0.5	1.0		2949	831	1111				5.6	5.62			5.72	5.75		
115	0	1.0		-	-	1111				4.0	4.0			0.02	0.0		

AS FOUND / AS LEFT

COMMENTS:

*Equip. - Aetes II 440*

Test Tech: Jim Samuel      Contact Information: 805) 986-7294      Date: 12/20/2014  
 Signed: Jim Samuel      Cell: 805) 431-0652

# ORMOND BEACH GENERATING STATION HIGH ACCURACY ELECTRONIC WATT-HOUR METER TEST



Single Phase  
Poly Phase

WORK ORDER #

LOCATION: 0865      CIRCUIT: Ressenshok, Terminal      SERIAL #: 3142020189  
 MANUFACTURER: SEL      MODEL: 735      NOMINAL ANALOG: 4.80 mA  
 WATTS: 31      PHASE: 3      WIRE: 5      PULSE/HOUR: 7200      MULTIPLIER: 1.8  
 P.T. RATIO: 120      C.T. RATIO: 600/5      ELEMENT: 2      STD. SER. NO.:      STD. mA:      STD. WATTS:      STD. ELE.:      STD. Ke:      STD. mA:      STD. WATTS:

START OF TEST      END OF TEST  
 TIME:      TIME:  
 WATT DISPLAY 0.02      WATT DISPLAY 0.02  
 WATT-HOUR COUNT: 34009.749      WATT-HOUR COUNT: 37813.865

## TEST DATA

NOMINAL SETTINGS				DIGITAL OUTPUT				ANALOG OUTPUT				WATTS DISPLAY					
Sec. Volts	Sec. Amps	P.F.	TM Coi	Run Pulses	RO Count	Standard Count		IND %E	TRUE %E	UT mA	STD std. mA	IND. % E	TRUE %E	Display Watts	STD. Watts	IND. %E	TRUE %E
						Run #1	Run #2										
115	5.0	1.0		3824	125	1MIN				20	19.99			72.0	71.68		
115	4.167	1.0		3625	688	1MIN				17.3	17.3			59.7	59.75		
115	2.5	1.0		3680	102	1MIN				11.96	11.98			35.8	35.84		
115	2.083	1.0		3740	75	1MIN				10.6	10.65			29.8	29.87		
115	1.042	1.0		3769	037	1MIN				7.3	7.34			14.9	14.95		
115	0.5	1.0		3783	865	1MIN				5.6	5.61			7.16	7.18		
115	0.0	1.0		—	—	1MIN				4.0	4.0			0.02	0.00		

AS FOUND / AS LEFT

COMMENTS:

Test Tech: Jim Samuel      Date: 12/20/2014  
 Contact Information: 805) 966-7294      Signed: Jim Samuel      Cell: 805) 431-0552



Environmental and Analytical Services-Since 1994  
California State Accredited Laboratory in Accordance with ELAP Certificate # 2332

**Prepared for:** NRG-Ormond Beach Generating Station  
6635 Edison Drive  
Oxnard, CA 93033  
Attn: Scott Warnock

**Report Date:** September 24, 2014  
**Laboratory Number:** 142404  
**Purchase Order No:** 4501492112-20  
**Sampled by:** Client

On September 19, 2014, Capco Analytical Services, Inc. (CAS), received one(1) sample to be analyzed. The sample was identified and assigned the laboratory ID number listed below:

<u>SAMPLE DESCRIPTION</u>	<u>CAS LAB NUMBER ID</u>
OB GAS SAMPLE 140917-01-SULFUR	142404-01

By my signature below, I certify that the results contained in this laboratory report comply with applicable standards for certification by the California Department of Public Health's Environmental Laboratories Accreditation Program (ELAP), both technically and for completeness, and that, based on my inquiry of the person or persons directly responsible for performing the analyses, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

A handwritten signature in black ink, appearing to read "Keith Chang", written over a horizontal line.

Keith Chin-Yuan Chang, Ph.D.  
Director - Analytical Operations

If you have any further questions or concerns, please contact me at your convenience. This report consists of 2 pages excluding the cover letter and the Chain of Custody.

This report shall not be reproduced except in full without the written approval of CAS. The test results reported represent only the item being tested and may not represent the entire material from which the sample was taken.

Client:	Ormond Beach	Time Sampled:	13:27 PM
Sample ID:	MA-Gas Sample 140917-01 Sulfur	Date Sampled:	09/17/18
CAS Lab No.	142404-01	Date Received:	09/19/14
Sample Matrix:	Gas	Date Analyzed:	09/20/14
Sample Temp °F:	68	Analyst:	GP

**NATURAL GAS ANALYSIS**  
**ASTM D1945 / D3588**

Constituent	% Mole	% Weight	ppm(v/v)	Gals/Mft <sup>3</sup>
Oxygen	BQL	BQL	<1000	
Nitrogen	BQL	BQL		
Carbon Dioxide	0.93	2.42		
Methane	94.89	89.82		
Ethane	3.88	6.88		
Propane	0.23	0.60		0.064
Iso-Butane	0.02	0.07		0.007
n-Butane	0.02	0.08		0.008
Nec-Pentane	BQL	BQL		BQL
Iso-Pentane	BQL	0.03		0.003
n-Pentane	BQL	0.02		0.002
Hexane plus	0.014	0.07		BQL
<b>Total</b>	<b>100.00</b>	<b>100.00</b>		<b>0.082</b>
Specific Gravity	0.5847			
BTU hhv	1035			
BTU lhv	933			
F-Factor (sdcf/MM btu)	8502			
Compressibility	0.9978			
ROC/TOC	0.01			

BQL: Below Practical Quantitation Limit





Analytical Services, Inc.

Environmental and Analytical Services-Since 1994

Client:	Ormond Beach	Date Sampled:	09/17/14
CAS lab NO. :	142404-01	Date Received:	09/19/14
Sample ID:	MA Gas Sample 140917-01	Date Analyzed:	09/20/14
Sample Matrix:	Gas	Analyst:	GP

**Total Reduced Sulfur  
METHOD GC/PFPD**

Constituents	Results ppm (v/v)	DF	MDL ppm (v/v)
Hydrogen Sulfide	ND	1	0.5
Carbonyl Sulfide	ND	1	0.5
Methyl Mercaptan	ND	1	0.5
Ethyl Mercaptan	ND	1	0.5
Carbon Disulfide	ND	1	0.5
Dimethyl Sulfide	ND	1	0.5
Total Reduced Sulfur (Estimate)	ND		0.5

DF: DILUTION FACTOR  
MDL: METHOD DETECTION LIMIT  
ND: NOT DETECTED



**NRG West**  
**ORMOND BEACH GENERATING STATION**  
**UNIT COLD START-UP TRACKING**  
**2013, October to 2014, December**

Month	Unit #1	Unit #2	NAB	SAB
October, 2013	0	0	0	0
November, 2013	1	2	5	3
December, 2013	1	2	6	3
January, 2014	0	2	3	3
February, 2014	1	0	1	2
March, 2014	0	1	1	2
April, 2014	1	0	1	3
May, 2014	1	0	3	3
June, 2014	0	1	2	2
July, 2014	0	1	1	1
August, 2014	0	0	1	0
September, 2014	0	1	3	3
October, 2014	1	2	2	3
November, 2014	1	0	1	1
December, 2014	0	2	3	2
<b>REPORTING YTD</b>	<b>7</b>	<b>14</b>	<b>33</b>	<b>31</b>

**ORMOND BEACH GENERATING STATION  
FIRST OF MONTH EQUIPMENT READINGS**

	UNLEADED		DIESEL		SAND BLAST		EMER. GENERATOR	
	METER	USED	METER	USED	METER	USED	METER	USED
Oct 2013					1207.1	2.9	85.8	0.3
Nov 2013					1211.6	4.5	86.0	0.2
Dec 2013					1218.0	6.4	86.3	0.3
Jan 2014					1218.0	0	86.6	0.3
Feb 2014					1222.1	4.1	86.9	0.1
Mar 2014					1225.5	3.4	87.0	0.8
Apr 2014					1229.8	4.3	87.8	0.0
May 2014					1232.7	7.2	87.8	0.5
Jun 2014					1234.8	2.1	88.3	0.2
Jul 2014					1235.9	1.1	88.5	0.2
Aug 2014					1237.1	1.2	88.7	0.3
Sep 2014					1241.6	4.5	89.0	0.5
Oct 2014					1244.9	3.3	89.5	0.0
Nov 2014					Installed Zero emission unit 10/24/2014		89.5	0.5
Dec 2014							90.0	0.4
Jan 2015							90.4	-90.4

*Removed from Service in 8/23/2013*

*Removed from Service in 8/23/2013*