



IN PARTNERSHIP WITH THOSE WE SERVE

August 12, 2008

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AUG 13 2008

BUREAU OF AIR REGULATION

Mr. Jeff Koerner, P.E.  
Professional Engineer Administrator  
Florida Department of Environmental Protection  
Division of Air Resource Management  
111 South Magnolia Drive, Suite 23  
Tallahassee, Florida 32301

**Re: Midulla Generating Station**  
**Title V Air Operation FINAL Permit No.: 0490340-006-AV**  
**Air Construction Permit PSD-FL-344**  
**Request for Permit Revision, Pratt & Whitney FT8-3 Peakers Heat Input**

Dear Mr. Koerner:

Project No.: 0490340-011-AV  
PSD-FL-344A/214E 0490340-010-AC

Seminole Electric Cooperative, Inc. (Seminole) operates the Midulla Generating Station (MGS) located in Bowling Green, Hardee County, Florida. The MGS includes five (5) simple-cycle Pratt & Whitney (P&W) FT8-3 TwinPac combustion turbine (CT) peaking units; i.e., CT-4A & B, CT-5A & B, CT-6A & B, CT-7A & B, and CT-8A & B.

The Department issued Air Construction Permit No. PSD-FL-344 on June 29, 2005 authorizing construction and initial operation of the P&W peaking units. Title V Air Operation Permit No. 0490340-006-AV was last renewed and became effective on December 13, 2007, authorizing continuing operation of the MGS. The purpose of this letter is to request a concurrent revision to these two permits to allow for an increase in permitted capacity for the P&W FT8-3 CTs.

When firing natural gas, Section III, Condition B.1. of Final Permit No. 0490340-006-AV limits the TwinPac unit (i.e., two CTs) heat input to 635.6 million British thermal units per hour on a higher heating value basis (MMBtu/hr, HHV) at a compressor inlet temperature of 50°F and full load operation. During distillate oil firing, the TwinPac unit heat input is limited to 576.8 MMBtu/hr, HHV under the same operating conditions, but with a compressor inlet air temperature of 78°F. The corresponding heat input limitations are contained in Specific Condition No. 4 of Air Construction Permit No. PSD-FL-344. Operational data for the CTs indicates that these maximum heat inputs, which were based on P&W projections, underestimate the fuel consumption of the units by 6.2% for natural gas firing, and by 5.0% for distillate oil firing.

Accordingly, Seminole requests revisions to Final Permit No.: 0490340-006-AV, Section III Condition B.1. and Air Construction Permit No. PSD-FL-344, Specific Condition No. 4 to allow maximum heat inputs for each Twin Pac unit of 676.2 MMBtu/hr at 55.4 °F and 606.6 MMBtu/hr at 85.1 °F, HHV for gas and oil firing, respectively. Both heat input rates are also at a relative humidity of 80 percent, ambient air pressure of 14.63 psia, and baseload operation. The requested heat input

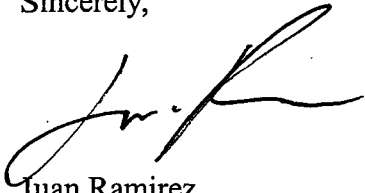
Mr. Jeff Koerner, P.E.  
July 30, 2008  
Page 2 of 2

values reflect the maximum rates at baseload over the ambient temperature operating range of the CTs based on data recently provided by P&W. Seminole does not request any other revisions to Final Permit No.: 0490340-006-AV or Air Construction Permit No. PSD-FL-344. The P&W peaking units will continue to comply with all of the current emission limitations and standards specified by Final Permit No. 0490340-006-AV.

In support of this Title V permit revision request, a completed Application for Air Permit - Long Form (Facility Information section only, including Responsible Official and Professional Engineer certifications) is enclosed.

If you have any questions or need additional information, please contact me at (813) 963-0994, Ext. 1219.

Sincerely,

A handwritten signature in black ink, appearing to read 'Juan Ramirez', written in a cursive style.

Juan Ramirez  
Senior Environmental Engineer

Enclosures:

2 copies DEP Form No. 62-210.900(1)

Pratt & Whitney FT8-3 Heat Input Curves for Natural Gas and No. 2 Fuel Oil



# Department of Environmental Protection

Division of Air Resource Management

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**APPLICATION FOR AIR PERMIT - LONG FORM**

AUG 13 2008

## I. APPLICATION INFORMATION

**Air Construction Permit** – Use this form to apply for any air construction permit at a facility operating under a federally enforceable state air operation permit (FESOP) or Title V air permit. Also use this form to apply for an air construction permit:

- For a proposed project subject to prevention of significant deterioration (PSD) review, nonattainment area (NAA) new source review, or maximum achievable control technology (MACT) review; or
- Where the applicant proposes to assume a restriction on the potential emissions of one or more pollutants to escape a federal program requirement such as PSD review, NAA new source review, Title V, or MACT; or
- Where the applicant proposes to establish, revise, or renew a plantwide applicability limit (PAL).

**Air Operation Permit** – Use this form to apply for:

- An initial federally enforceable state air operation permit (FESOP); or
- An initial/revised/renewal Title V air operation permit.

**Air Construction Permit & Title V Air Operation Permit (Concurrent Processing Option)** – Use this form to apply for both an air construction permit and a revised or renewal Title V air operation permit incorporating the proposed project.

To ensure accuracy, please see form instructions.

### Identification of Facility

1. Facility Owner/Company Name: <b>Seminole Electric Cooperative, Inc.</b>	
2. Site Name: <b>Midulla Generating Station</b>	
3. Facility Identification Number: <b>0490340</b>	
4. Facility Location... Street Address or Other Locator: <b>6695 County Road 663</b> City: <b>Bowling Green</b> County: <b>Hardee</b> Zip Code: <b>33834-6817</b>	
5. Relocatable Facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Existing Title V Permitted Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### Application Contact

1. Application Contact Name: <b>Mike Roddy, Manager, Environmental Affairs</b>	
2. Application Contact Mailing Address... Organization/Firm: <b>Seminole Electric Cooperative, Inc.</b> Street Address: <b>P.O. Box 272000</b> City: <b>Tampa</b> State: <b>FL</b> Zip Code: <b>33688-2000</b>	
3. Application Contact Telephone Numbers... Telephone: <b>(813) 963-0994 ext. 1224</b> Fax: <b>(813) 264-7906</b>	
4. Application Contact Email Address: <b>wmroddy@seminole-electric.com</b>	

### Application Processing Information (DEP Use)

1. Date of Receipt of Application:	3. PSD Number (if applicable): <b>344A/214E</b>
2. Project Number(s): <b>0490340-012-AV</b>	4. Siting Number (if applicable):

**0490340-013-AC**

## APPLICATION INFORMATION

### Purpose of Application

This application for air permit is submitted to obtain: (Check one)

#### **Air Construction Permit**

- Air construction permit
- Air construction permit to establish, revise, or renew a plantwide applicability limit (PAL).
- Air construction permit to establish, revise, or renew a plantwide applicability limit (PAL), and separate air construction permit to authorize construction or modification of one or more emissions units covered by the PAL.

#### **Air Operation Permit**

- Initial Title V air operation permit.
- Title V air operation permit revision.
- Title V air operation permit renewal.
- Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is required.
- Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is not required.

#### **Air Construction Permit and Revised/Renewal Title V Air Operation Permit (Concurrent Processing)**

- Air construction permit and Title V permit revision, incorporating the proposed project.
- Air construction permit and Title V permit renewal, incorporating the proposed project.

**Note: By checking one of the above two boxes, you, the applicant, are requesting concurrent processing pursuant to Rule 62-213.405, F.A.C. In such case, you must also check the following box:**

- I hereby request that the department waive the processing time requirements of the air construction permit to accommodate the processing time frames of the Title V air operation permit.

### Application Comment

Operation of the Seminole Electric Cooperative, Inc. (SECI) Midulla Generating Station Pratt & Whitney (P&W) FT8-3 TwinPac combustion turbine (CT) peaking units is currently authorized by Department Prevention of Significant Deterioration (PSD) Permit PSD-FL-344 (issued on June 29, 2005) and Title V Air Operation Permit FINAL Permit No. 0490340-006-AV (effective date of December 13, 2007).

The purpose of this application is to request revisions to Final Permit No.: 0490340-006-AV, Section III Condition B.1. and Air Construction Permit No. PSD-FL-344, Specific Condition No. 4 to allow maximum heat inputs for each TwinPac unit of 676.2 MMBtu/hr at 55.4 °F and 606.6 MMBtu/hr at 85.1 °F, HHV for gas and oil firing, respectively. Please see accompanying cover letter.

**APPLICATION INFORMATION**

**Scope of Application**

Emissions Unit ID Number	Description of Emissions Unit	Air Permit Type	Air Permit Proc. Fee
005	TwinPac Simple Cycle Unit CT4A and CT4B	N/A	N/A
006	TwinPac Simple Cycle Unit CT5A and CT5B	N/A	N/A
007	TwinPac Simple Cycle Unit CT6A and CT6B	N/A	N/A
008	TwinPac Simple Cycle Unit CT7A and CT7B	N/A	N/A
009	TwinPac Simple Cycle Unit CT8A and CT8B	N/A	N/A

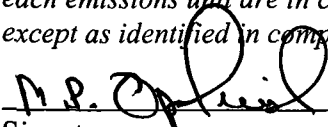
**Application Processing Fee**

Check one:  Attached - Amount: \$ \_\_\_\_\_  Not Applicable

# APPLICATION INFORMATION


## Application Responsible Official Certification

**Complete if applying for an initial/revised/renewal Title V permit or concurrent processing of an air construction permit and a revised/renewal Title V permit. If there are multiple responsible officials, the "application responsible official" need not be the "primary responsible official."**

1. Application Responsible Official Name: <b>Michael Opalinski, Vice President of Technical Services</b>
2. Application Responsible Official Qualification (Check one or more of the following options, as applicable): <input checked="" type="checkbox"/> For a corporation, the president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit under Chapter 62-213, F.A.C. <input type="checkbox"/> For a partnership or sole proprietorship, a general partner or the proprietor, respectively. <input type="checkbox"/> For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official. <input checked="" type="checkbox"/> The designated representative at an Acid Rain source.
3. Application Responsible Official Mailing Address... Organization/Firm: <b>Seminole Electric Cooperative, Inc.</b> Street Address: <b>P.O. Box 272000</b> City: <b>Tampa</b> State: <b>FL</b> Zip Code: <b>33688-2000</b>
4. Application Responsible Official Telephone Numbers... Telephone: <b>(813) 963-0994 ext. 1233</b> Fax: <b>(813) 228-1308</b>
5. Application Responsible Official Email Address: <b>mopalinski@seminole-electric.com</b>
6. Application Responsible Official Certification: <i>I, the undersigned, am a responsible official of the Title V source addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other applicable requirements identified in this application to which the Title V source is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility or any permitted emissions unit. Finally, I certify that the facility and each emissions unit are in compliance with all applicable requirements to which they are subject, except as identified in compliance plan(s) submitted with this application.</i>  Signature: <u></u> Date: <u>8/11/08</u>

**APPLICATION INFORMATION**

**Professional Engineer Certification**

1. Professional Engineer Name: <b>Thomas W. Davis</b> Registration Number: <b>36777</b>
2. Professional Engineer Mailing Address... Organization/Firm: <b>Environmental Consulting &amp; Technology, Inc.</b> Street Address: <b>3701 Northwest 98<sup>th</sup> Street</b> City: <b>Gainesville</b> State: <b>Florida</b> Zip Code: <b>32606-5004</b>
3. Professional Engineer Telephone Numbers... Telephone: <b>(352) 332-0444</b> ext. Fax: <b>(352) 332-6722</b>
4. Professional Engineer Email Address: <b>tdavis@ectinc.com</b>
5. Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i> <i>(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this application for air permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and</i> <i>(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.</i> <i>(3) If the purpose of this application is to obtain a Title V air operation permit (check here <input type="checkbox"/> , if so), I further certify that each emissions unit described in this application for air permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance plan and schedule is submitted with this application.</i> <i>(4) If the purpose of this application is to obtain an air construction permit (check here <input type="checkbox"/> , if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal for one or more proposed new or modified emissions units (check here <input checked="" type="checkbox"/> , if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.</i> <i>(5) If the purpose of this application is to obtain an initial air operation permit or operation permit revision or renewal for one or more newly constructed or modified emissions units (check here <input type="checkbox"/> , if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.</i>  Signature _____ Date <u>8/5/08</u> (seal)

Attach any exception to certification statement.

Figure 9460\_Gas Fuel: 07/05/08  
Seminole Power SwiftPac's - 0302  
Est. Max Heat Input vs. Ambient Temp  
FT8-3 Swift Pac, Gas Fuel, WI to 25/42 ppm NOx, 72.290 60Hz, 13.8 kV  
14.63 psia, 80 % RH, 2.5 inch H2O inlet loss, 5.0 inch exhaust loss

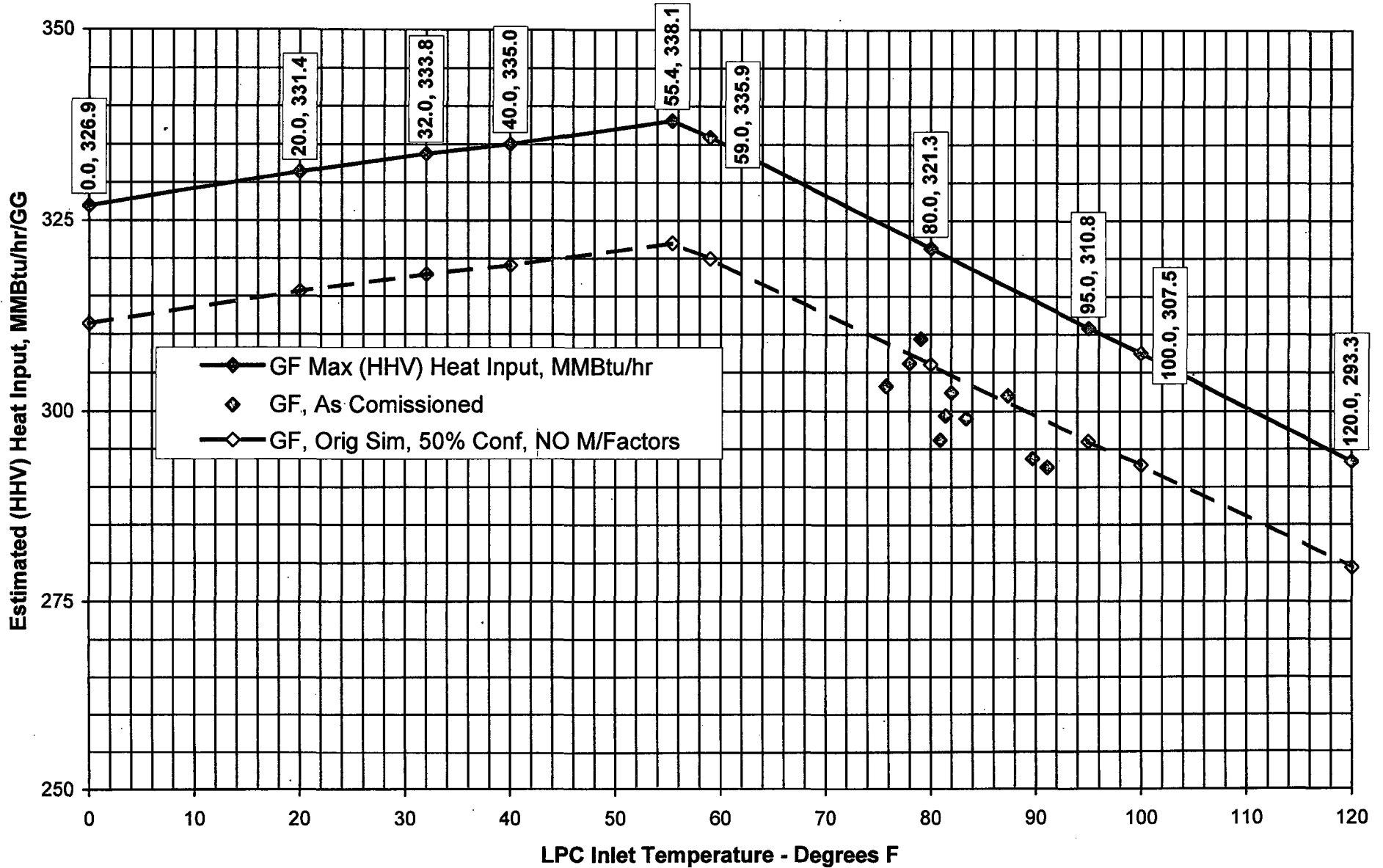
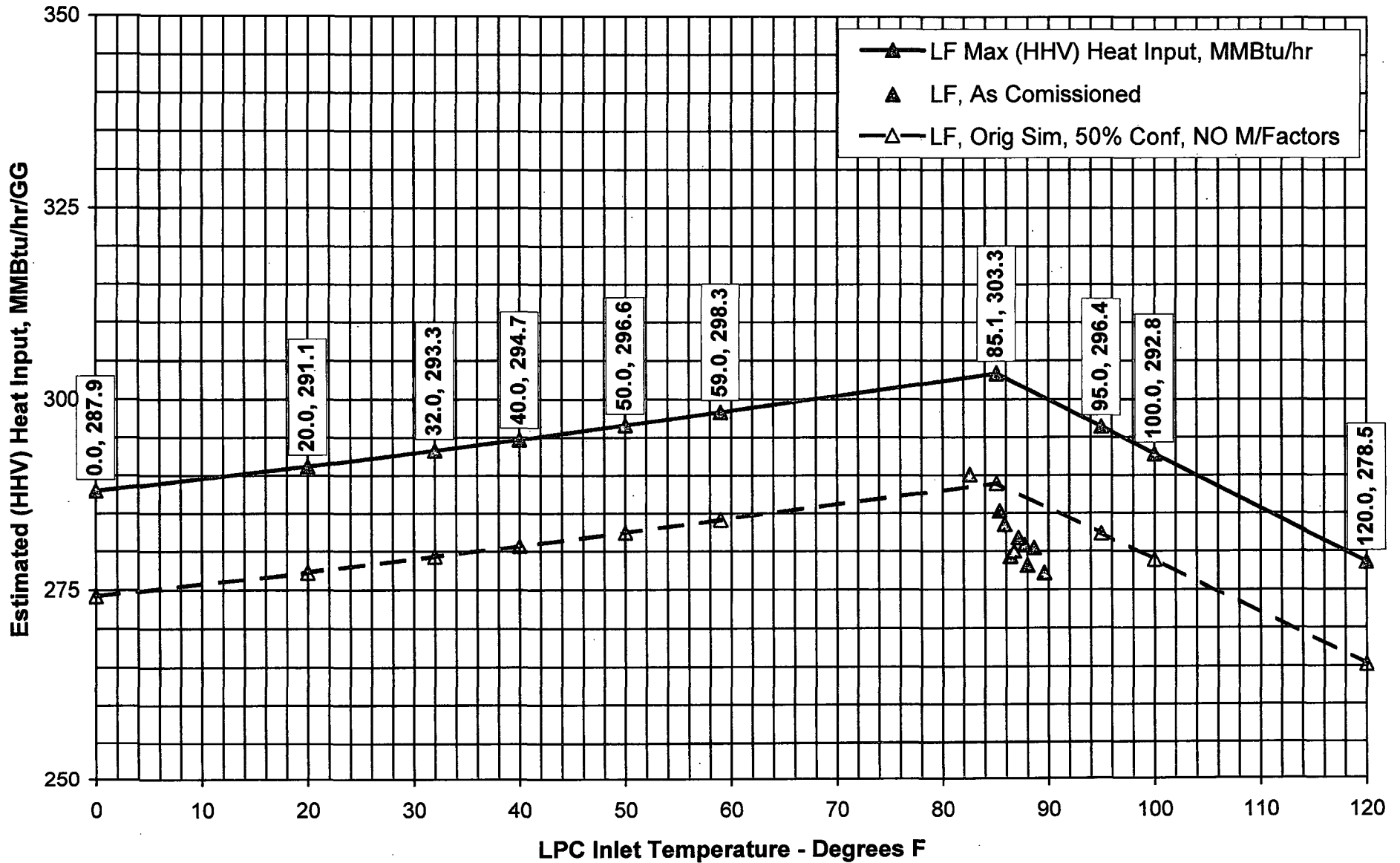




Figure 9460\_Liquid Fuel: 07/05/08  
Seminole Power SwiftPac's - 0302  
Est. Max Heat Input vs. Ambient Temp  
FT8-3 Swift Pac, Gas Fuel, WI to 25/42 ppm NOx, 72.290 60Hz, 13.8 kV  
14.63 psia, 80 % RH, 2.5 inch H2O inlet loss, 5.0 inch exhaust loss





# Department of Environmental Protection

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JUN 30 2008

## Division of Air Resource Management

### APPLICATION FOR AIR PERMIT - LONG FORM

BUREAU OF AIR REGULATION

#### I. APPLICATION INFORMATION

**Air Construction Permit** – Use this form to apply for an air construction permit:

- For any required purpose at a facility operating under a federally enforceable state air operation permit (FESOP) or Title V air operation permit;
- For a proposed project subject to prevention of significant deterioration (PSD) review, nonattainment new source review, or maximum achievable control technology (MACT);
- To assume a restriction on the potential emissions of one or more pollutants to escape a requirement such as PSD review, nonattainment new source review, MACT, or Title V; or
- To establish, revise, or renew a plantwide applicability limit (PAL).

**Air Operation Permit** – Use this form to apply for:

- An initial federally enforceable state air operation permit (FESOP); or
- An initial, revised, or renewal Title V air operation permit.

To ensure accuracy, please see form instructions.

#### Identification of Facility

1. Facility Owner/Company Name: <b>Seminole Electric Cooperative, Inc.</b>	
2. Site Name: <b>Midulla Generating Station</b>	
3. Facility Identification Number: <b>0490340</b>	
4. Facility Location...: Street Address or Other Locator: <b>6697 County Road 663</b> City: <b>Bowling Green</b> County: <b>Hardee</b> Zip Code: <b>33834</b>	
5. Relocatable Facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Existing Title V Permitted Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

#### Application Contact

1. Application Contact Name: <b>Juan Ramirez</b>	
2. Application Contact Mailing Address... Organization/Firm: <b>Seminole Electric Cooperative, Inc.</b> Street Address: <b>16313 North Dale Mabry Highway</b> City: <b>Tampa</b> State: <b>FL</b> Zip Code: <b>33618-1427</b>	
3. Application Contact Telephone Numbers... Telephone: <b>(813) 739-1219 ext.</b> Fax: <b>(813) 264-7906</b>	
4. Application Contact Email Address: <b>jramirez@seminole-electric.com</b>	

#### Application Processing Information (DEP Use)

1. Date of Receipt of Application: <b>6/9/08</b>	3. PSD Number (if applicable): <b>344A/D14E</b>
2. Project Number(s): <b>0490340-010A</b>	4. Siting Number (if applicable):

*0490340-011-AV Additional Info for these projects*

## APPLICATION INFORMATION

### Purpose of Application

**This application for air permit is being submitted to obtain: (Check one)**

#### **Air Construction Permit**

- Air construction permit.
- Air construction permit to establish, revise, or renew a plantwide applicability limit (PAL).
- Air construction permit to establish, revise, or renew a plantwide applicability limit (PAL), and separate air construction permit to authorize construction or modification of one or more emissions units covered by the PAL.

#### **Air Operation Permit**

- Initial Title V air operation permit.
- Title V air operation permit revision.
- Title V air operation permit renewal.
- Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is required.
- Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is not required.

#### **Air Construction Permit and Revised/Renewal Title V Air Operation Permit (Concurrent Processing)**

- Air construction permit and Title V permit revision, incorporating the proposed project.
- Air construction permit and Title V permit renewal, incorporating the proposed project.

**Note: By checking one of the above two boxes, you, the applicant, are requesting concurrent processing pursuant to Rule 62-213.405, F.A.C. In such case, you must also check the following box:**

- I hereby request that the department waive the processing time requirements of the air construction permit to accommodate the processing time frames of the Title V air operation permit.

### Application Comment

Seminole Electric Cooperative, Inc. (SECI) requests revisions to Midulla Generating Station (MGS) PSD Permit No. PSD-FL- 344 and Title V Air Operation Permit No. 0490340-006-AV with respect to Units CT4A – CT8B (EU IDs 005 through 009) to: (a) remove the requirement to conduct an annual stack test for CO upstream of the oxidation catalyst system, and (b) remove the requirement to conduct performance tests for volatile organic compounds (VOCs) prior to air operation permit renewal consistent with Department permits for similar facilities. Please see SECI letter to the Department (Ms. Trina Vielhauer) dated May 13, 2008.

APPLICATION INFORMATION

Scope of Application

<b>Emissions Unit ID Number</b>	<b>Description of Emissions Unit</b>	<b>Air Permit Type</b>	<b>Air Permit Processing Fee</b>
005	Twin Pac Simple Cycle Set (CT4A and CT4B)	N/A	N/A
006	Twin Pac Simple Cycle Set (CT5A and CT5B)	N/A	N/A
007	Twin Pac Simple Cycle Set (CT6A and CT6B)	N/A	N/A
008	Twin Pac Simple Cycle Set (CT7A and CT7B)	N/A	N/A
009	Twin Pac Simple Cycle Set (CT8A and CT8B)	N/A	N/A

**Application Processing Fee**

Check one:  Attached - Amount: \$ \_\_\_\_\_  Not Applicable

**APPLICATION INFORMATION**

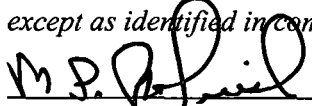
**Owner/Authorized Representative Statement** **NOT APPLICABLE**  
**Complete if applying for an air construction permit or an initial FESOP.**

1. Owner/Authorized Representative Name:
2. Owner/Authorized Representative Mailing Address Organization/Firm: Street Address: City: State: Zip Code:
3. Owner/Authorized Representative Telephone Numbers Telephone: ext. Fax:
4. Owner/Authorized Representative Email Address:
5. Owner/Authorized Representative Statement: <i>I, the undersigned, am the owner or authorized representative of the corporation, partnership, or other legal entity submitting this air permit application. To the best of my knowledge, the statements made in this application are true, accurate and complete, and any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department.</i>  _____ Signature Date

**APPLICATION INFORMATION**

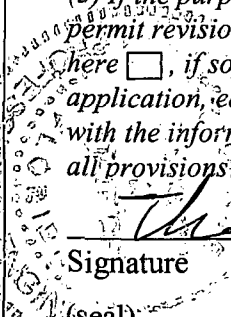
**Application Responsible Official Certification**

**Complete if applying for an initial, revised, or renewal Title V air operation permit or concurrent processing of an air construction permit and revised or renewal Title V air operation permit. If there are multiple responsible officials, the "application responsible official" need not be the "primary responsible official."**

1. Application Responsible Official Name: <b>Michael P. Opalinski, Sr. Vice President of Strategic Services</b>
2. Application Responsible Official Qualification (Check one or more of the following options, as applicable): <input checked="" type="checkbox"/> For a corporation, the president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit under Chapter 62-213, F.A.C. <input type="checkbox"/> For a partnership or sole proprietorship, a general partner or the proprietor, respectively. <input type="checkbox"/> For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official. <input type="checkbox"/> The designated representative at an Acid Rain source, CAIR source, or Hg Budget source.
3. Application Responsible Official Mailing Address... Organization/Firm: <b>Seminole Electric Cooperative, Inc.</b> Street Address: <b>16313 North Dale Mabry Highway</b> City: <b>Tampa</b> State: <b>FL</b> Zip Code: <b>33618-1427</b>
4. Application Responsible Official Telephone Numbers... Telephone: <b>(813) 963-0994 ext.1233</b> Fax: <b>(813) 264-7906</b>
5. Application Responsible Official E-mail Address: <b>mopalinski@seminole-electric.com</b>
6. Application Responsible Official Certification: <i>I, the undersigned, am a responsible official of the Title V source addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other applicable requirements identified in this application to which the Title V source is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility or any permitted emissions unit. Finally, I certify that the facility and each emissions unit are in compliance with all applicable requirements to which they are subject, except as identified in compliance plan(s) submitted with this application.</i>  Signature _____ Date <u>6/26/08</u>

**APPLICATION INFORMATION**

**Professional Engineer Certification**

1. Professional Engineer Name: <b>Thomas W. Davis</b> Registration Number: <b>36777</b>
2. Professional Engineer Mailing Address... Organization/Firm: <b>Environmental Consulting &amp; Technology, Inc.</b> Street Address: <b>3701 Northwest 98<sup>th</sup> Street</b> City: <b>Gainesville</b> State: <b>Florida</b> Zip Code: <b>32606-5004</b>
3. Professional Engineer Telephone Numbers... Telephone: <b>(352) 332 - 0444 ext.</b> Fax: <b>(352) 332 - 6722</b>
4. Professional Engineer Email Address: <b>tdavis@ectinc.com</b>
5. Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i> <i>(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this application for air permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and</i> <i>(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.</i> <i>(3) If the purpose of this application is to obtain a Title V air operation permit (check here <input type="checkbox"/> , if so), I further certify that each emissions unit described in this application for air permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance plan and schedule is submitted with this application.</i> <i>(4) If the purpose of this application is to obtain an air construction permit (check here <input type="checkbox"/> , if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal for one or more proposed new or modified emissions units (check here <input checked="" type="checkbox"/> , if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.</i> <i>(5) If the purpose of this application is to obtain an initial air operation permit or operation permit revision or renewal for one or more newly constructed or modified emissions units (check here <input type="checkbox"/> , if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.</i>   _____ Signature  _____ Date <b>6/25/08</b>

\* Attach any exception to certification statement.

**II. FACILITY INFORMATION**

**A. GENERAL FACILITY INFORMATION**

**Facility Location and Type**

1. Facility UTM Coordinates... Zone 17      East (km) <b>365.70</b> North (km) <b>3,292.60</b>		2. Facility Latitude/Longitude... Latitude (DD/MM/SS) Longitude (DD/MM/SS)	
3. Governmental Facility Code: <b>4</b>	4. Facility Status Code: <b>A</b>	5. Facility Major Group SIC Code: <b>49</b>	6. Facility SIC(s): <b>4911</b>
7. Facility Comment :			

**Facility Contact**

1. Facility Contact Name: <b>Walt Hentze, Plant Manager</b>
2. Facility Contact Mailing Address... Organization/Firm: <b>Seminole Electric Cooperative, Inc.</b> Street Address: <b>6697 County Road 663</b> City: <b>Bowling Green</b> State: <b>FL</b> Zip Code: <b>33834</b>
3. Facility Contact Telephone Numbers: Telephone: <b>(863) 375-2828</b> ext.      Fax: <b>(863) 375-3100</b>
4. Facility Contact Email Address: <b>whentze@seminole-electric.com</b>

**Facility Primary Responsible Official**

**Complete if an “application responsible official” is identified in Section I that is not the facility “primary responsible official.”**

1. Facility Primary Responsible Official Name:
2. Facility Primary Responsible Official Mailing Address... Organization/Firm: Street Address: City:      State:      Zip Code:
3. Facility Primary Responsible Official Telephone Numbers... Telephone: ( ) -      ext.      Fax: ( ) -
4. Facility Primary Responsible Official E-mail Address:



**Facility Regulatory Classifications**

**Check all that would apply *following* completion of all projects and implementation of all other changes proposed in this application for air permit. Refer to instructions to distinguish between a “major source” and a “synthetic minor source.”**

1. <input type="checkbox"/> Small Business Stationary Source	<input type="checkbox"/> Unknown
2. <input type="checkbox"/> Synthetic Non-Title V Source	
3. <input checked="" type="checkbox"/> Title V Source	
4. <input checked="" type="checkbox"/> Major Source of Air Pollutants, Other than Hazardous Air Pollutants (HAPs)	
5. <input type="checkbox"/> Synthetic Minor Source of Air Pollutants, Other than HAPs	
6. <input type="checkbox"/> Major Source of Hazardous Air Pollutants (HAPs)	
7. <input checked="" type="checkbox"/> Synthetic Minor Source of HAPs	
8. <input checked="" type="checkbox"/> One or More Emissions Units Subject to NSPS (40 CFR 60)	
9. <input type="checkbox"/> One or More Emissions Units Subject to Emission Guidelines (40 CFR 60)	
10. <input type="checkbox"/> One or More Emissions Units Subject to NESHAP (40 CFR 61 or Part 63)	
11. <input type="checkbox"/> Title V Source Solely by EPA Designation (40 CFR 70.3(a)(5))	
12. Facility Regulatory Classifications Comment:  <b>NSPS for Stationary Gas Turbines (40 CFR Part 60 Subpart GG applies to Emission Units 005 through 009.</b>	

**List of Pollutants Emitted by Facility**

1. Pollutant Emitted	2. Pollutant Classification	3. Emissions Cap [Y or N]?
NOX	A	N
SO2	A	N
CO	A	N
PM10	A	N
PM	A	N
SAM	B	N
VOC	B	N
H021 (Beryllium Compounds)	B	N
H015 (Arsenic Compounds)	B	N
HAPS (Total)	SM	N

## B. EMISSIONS CAPS

**Facility-Wide or Multi-Unit Emissions Caps** **NOT APPLICABLE**

1. Pollutant Subject to Emissions Cap	2. Facility-Wide Cap [Y or N]? (all units)	3. Emissions Unit ID's Under Cap (if not all units)	4. Hourly Cap (lb/hr)	5. Annual Cap (ton/yr)	6. Basis for Emissions Cap

7. Facility-Wide or Multi-Unit Emissions Cap Comment:

### C. FACILITY ADDITIONAL INFORMATION

#### Additional Requirements for All Applications, Except as Otherwise Stated

<p>1. Facility Plot Plan: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)</p> <p><input type="checkbox"/> Attached, Document ID:                      <input checked="" type="checkbox"/> Previously Submitted, Date: <b>June 2007</b></p>
<p>2. Process Flow Diagram(s): (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)</p> <p><input type="checkbox"/> Attached, Document ID:                      <input checked="" type="checkbox"/> Previously Submitted, Date: <b>June 2007</b></p>
<p>3. Precautions to Prevent Emissions of Unconfined Particulate Matter: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)</p> <p><input type="checkbox"/> Attached, Document ID:                      <input checked="" type="checkbox"/> Previously Submitted, Date: <b>June 2007</b></p>

#### Additional Requirements for Air Construction Permit Applications

<p>1. Area Map Showing Facility Location:</p> <p><input type="checkbox"/> Attached, Document ID:                      <input checked="" type="checkbox"/> Not Applicable (existing permitted facility)</p>
<p>2. Description of Proposed Construction, Modification, or Plantwide Applicability Limit (PAL):</p> <p><input type="checkbox"/> Attached, Document ID: <b>See SECI letter dated May 13, 2008.</b></p>
<p>3. Rule Applicability Analysis:</p> <p><input type="checkbox"/> Attached, Document ID:                      <input checked="" type="checkbox"/> Not Applicable</p>
<p>4. List of Exempt Emissions Units:</p> <p><input type="checkbox"/> Attached, Document ID:                      <input checked="" type="checkbox"/> Not Applicable (no exempt units at facility)</p>
<p>5. Fugitive Emissions Identification:</p> <p><input type="checkbox"/> Attached, Document ID:                      <input checked="" type="checkbox"/> Not Applicable</p>
<p>6. Air Quality Analysis (Rule 62-212.400(7), F.A.C.):</p> <p><input type="checkbox"/> Attached, Document ID:                      <input checked="" type="checkbox"/> Not Applicable</p>
<p>7. Source Impact Analysis (Rule 62-212.400(5), F.A.C.):</p> <p><input type="checkbox"/> Attached, Document ID:                      <input checked="" type="checkbox"/> Not Applicable</p>
<p>8. Air Quality Impact since 1977 (Rule 62-212.400(4)(e), F.A.C.):</p> <p><input type="checkbox"/> Attached, Document ID:                      <input checked="" type="checkbox"/> Not Applicable</p>
<p>9. Additional Impact Analyses (Rules 62-212.400(8) and 62-212.500(4)(e), F.A.C.):</p> <p><input type="checkbox"/> Attached, Document ID:                      <input checked="" type="checkbox"/> Not Applicable</p>
<p>10. Alternative Analysis Requirement (Rule 62-212.500(4)(g), F.A.C.):</p> <p><input type="checkbox"/> Attached, Document ID:                      <input checked="" type="checkbox"/> Not Applicable</p>

**C. FACILITY ADDITIONAL INFORMATION (CONTINUED)**

**Additional Requirements for FESOP Applications** **NOT APPLICABLE**

1. List of Exempt Emissions Units:  
 Attached, Document ID: \_\_\_\_\_  Not Applicable (no exempt units at facility)

**Additional Requirements for Title V Air Operation Permit Applications**

1. List of Insignificant Activities: (Required for initial/renewal applications only)  
 Attached, Document ID: \_\_\_\_\_  Not Applicable (revision application)
2. Identification of Applicable Requirements: (Required for initial/renewal applications, and for revision applications if this information would be changed as a result of the revision being sought)  
 Attached, Document ID: \_\_\_\_\_  
 Not Applicable (revision application with no change in applicable requirements)
3. Compliance Report and Plan: (Required for all initial/revision/renewal applications)  
 Attached, Document ID: \_\_\_\_\_  
Note: A compliance plan must be submitted for each emissions unit that is not in compliance with all applicable requirements at the time of application and/or at any time during application processing. The department must be notified of any changes in compliance status during application processing.  
 Not Applicable
4. List of Equipment/Activities Regulated under Title VI: (If applicable, required for initial/renewal applications only)  
 Attached, Document ID: \_\_\_\_\_  
 Equipment/Activities Onsite but Not Required to be Individually Listed  
 Not Applicable
5. Verification of Risk Management Plan Submission to EPA: (If applicable, required for initial/renewal applications only)  
 Attached, Document ID: \_\_\_\_\_  Not Applicable
6. Requested Changes to Current Title V Air Operation Permit:  
 Attached, Document ID: **See SECI letter dated May 13, 2008.**  Not Applicable

**C. FACILITY ADDITIONAL INFORMATION (CONTINUED)**

**Additional Requirements for Facilities Subject to Acid Rain, CAIR, or Hg Budget Program**

1. Acid Rain Program Forms:

Acid Rain Part Application (DEP Form No. 62-210.900(1)(a)):

Attached, Document ID: \_\_\_\_\_  Previously Submitted, Date: June 2007

Not Applicable (not an Acid Rain source)

Phase II NO<sub>x</sub> Averaging Plan (DEP Form No. 62-210.900(1)(a)1.):

Attached, Document ID: \_\_\_\_\_  Previously Submitted, Date: \_\_\_\_\_

Not Applicable

New Unit Exemption (DEP Form No. 62-210.900(1)(a)2.):

Attached, Document ID: \_\_\_\_\_  Previously Submitted, Date: \_\_\_\_\_

Not Applicable

2. CAIR Part (DEP Form No. 62-210.900(1)(b)):

Attached, Document ID: \_\_\_\_\_  Previously Submitted, Date: May 2008

Not Applicable (not a CAIR source)

3. Hg Budget Part (DEP Form No. 62-210.900(1)(c)):

Attached, Document ID: \_\_\_\_\_  Previously Submitted, Date: \_\_\_\_\_

Not Applicable (not a Hg Budget unit)

**Additional Requirements Comment**