

March 1, 2010

Ms. Trina Vielhauer
Chief, Bureau of Air Regulation
Florida Department of Environmental Protection
Division of Air Resource Management
111 South Magnolia Drive, Suite 4
Tallahassee, Florida 32301

RECEIVED

MAR 02 2010

RE: Auburndale Power Partners, LP;
Title V Air Operations Permit Separation Application

BUREAU OF AIR REGULATION

Project No.: 1050221-016-AV

Dear Ms. Vielhauer:

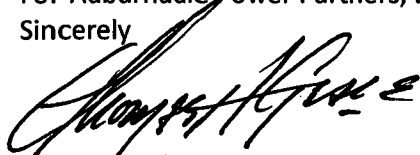
Auburndale Power Partners, LP operates an electrical generation facility located at 1501 West Derby Avenue in Auburndale, Polk County, Florida. The Auburndale Power Partners (APP) facility is a nominal 156 megawatt (MW) electrical generation plant comprised of one combined-cycle combustion turbine (CT) and an unfired heat recovery steam generator (HRSG) unit (Emission Unit ID No. 001), as well as a variety of insignificant emission units and activities.

Operation of the APP facility is currently authorized by Florida Department of Environmental Protection (FDEP) Title V Air Operation Permit No. 1050221-014-AV issued with an effective date of January 1, 2008 and an expiration date of December 21, 2012. This permit authorizes operation of the Auburndale Energy Complex (AEC) which includes three electrical generation facilities: (a) APP combined-cycle combustion turbine unit, (b) Auburndale Peak Energy Center (APEC) simple-cycle combustion turbine, and (c) Osprey Energy Center (OEC) two combined-cycle combustion turbine units.

The Department recently agreed to separate the AEC for Title V permitting purposes into two facilities consisting of (a) the APP combined-cycle unit, and (2) the APEC and OEC electrical generation equipment. AN original and three copies of a Title V air operation permit application for the APP facility are enclosed for Department review and action. Pursuant to the requirements of Chapter 62-213.400, F.A.C., the application package contains the Department's Application for Air Permit – Long Form and all required supplemental facility and emission unit information.

Please feel free to contact either Steve Wunderlich, plant engineer, at (863) 965-1561 or email at swunderlich@caithnessenergy.com, or myself, at (917) 472-4593 or e-mail at tgrace@caithnessenergy.com if there are any questions concerning this application submittal.

For Auburndale Power Partners, LP
Sincerely



Thomas A. Grace
Director - Environmental, Health & Safety
Caithness

Original application & 3 copies
w/attachment

cc: J. Holtom, FLDEP-BAR, w/o
K. Collins, w/a
W. Lachney, w/a
S. Wunderlich, w/a
H. Whidden, Calpine, w/a

AUBURNDALE POWER PARTNERS

**TITLE V AIR OPERATION
PERMIT APPLICATION**

RECEIVED

MAR 02 2010

BUREAU OF AIR REGULATION

Prepared for:

AUBURNDALE POWER PARTNERS, LP
Auburndale, Florida

Prepared by:

ECT

Environmental Consulting & Technology, Inc.

***3701 Northwest 98th Street
Gainesville, Florida 32606***

ECT No. 100147-0100

February 2010

INTRODUCTION

Auburndale Power Partners, LP, operates an electrical generation facility located at 1501 West Derby Avenue in Auburndale, Polk County, Florida. The Auburndale Power Partners (APP) facility is a nominal 156-megawatt (MW) electrical generation plant comprised of one combined-cycle combustion turbine (CT) and an unfired heat recovery steam generator (HRSG) unit (Emission Unit ID No. 001), as well as a variety of insignificant and unregulated emission units and activities.

The combined-cycle CT/HRSG unit is fired primarily with pipeline natural gas. Low sulfur distillate fuel oil is used as a backup fuel source. The CT has a nominal generation capacity of 121.5 MW. Steam produced by the HRSG is routed to a steam turbine generator with a nominal generation capacity of 52 MW. The CT/HRSG unit is subject to New Source Performance Standard (NSPS), Subpart GG, Standards of Performance for Stationary Gas Turbines, which applies to gas turbines constructed after October 3, 1977. The CT/HRSG unit was also subject to Prevention of Significant Deterioration (PSD) review, including best available control technology (BACT). The CT/HRSG unit is an affected emission unit under both the Acid Rain Program (ARP) and the Clean Air Interstate Rule (CAIR).

Operation of the APP facility is currently authorized by Florida Department of Environmental Protection (FDEP) Title V Air Operation Permit No. 1050221-014-AV issued with an effective date of January 1, 2008, and an expiration date of December 31, 2012. This permit authorizes operation of the Auburndale Energy Complex (AEC), which includes the following three electrical generation facilities:

- APP combined-cycle combustion turbine unit.
- Auburndale Peak Energy Center (APEC) simple-cycle combustion turbine.
- Osprey Energy Center (OEC) two combined-cycle combustion turbine units.

FDEP recently agreed to separate the AEC for Title V permitting purposes into two facilities consisting of: (1) the APP combined-cycle unit, and (2) the APEC and OEC electrical generation equipment. The APP facility was purchased by Atlantic Power Corporation and is

currently operated by affiliates of Caithness Energy. The APEC (owned by Calpine Corporation) and the OEC (owned by Calpine Construction Finance Company, a wholly owned subsidiary of Calpine Corporation) are both operated by Calpine Operating Services Company, Inc. (COSCI).

As part of its agreement to separate the AEC into two facilities for Title V permitting purposes, FDEP requested the submittal of a Title V air operation permit application for each AEC facility. This application package, consisting of the FDEP's Application for Air Permit – Long Form, Effective 03/16/08, and all required supplemental facility and emission unit information, constitutes the Auburndale Power Partners, LP, Title V permit application for the APP facility. The following attachments are included as referenced in the permit application:

- A—Facility Location Map.
- B—Facility Plot Plan.
- C—Process Flow Diagram.
- D—Precautions to Prevent Emissions of Unconfined Particulate Matter.
- E—List of Insignificant Activities.
- F—Identification of Applicable Requirements.
- G—Compliance Report.
- H—Requested Changes to Current Title V Air Operation Permit.
- I—Acid Rain Part.
- J—Clean Air Interstate Rule (CAIR) Part.
- K—Fuel Specifications.
- L—Detailed Description of Control Equipment.
- M—Procedures for Startup and Shutdown.
- N—Alternate Methods of Operation.
- O—Responsible Official Notification Form.

**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION**

APPLICATION FOR AIR PERMIT – LONG FORM



Department of Environmental Protection

Division of Air Resource Management

APPLICATION FOR AIR PERMIT - LONG FORM

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).

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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.

BUREAU OF AIR REGULATION

To ensure accuracy, please see form instructions.

Identification of Facility

1. Facility Owner/Company Name: Auburndale Power Partners, LP	
2. Site Name: Auburndale Power Partners	
3. Facility Identification Number: 1050221	
4. Facility Location: Street Address or Other Locator: 1501 West Derby Avenue City: Auburndale County: Polk Zip Code: 33823-4062	
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: Steven P. Wunderlich, Plant Engineer	
2. Application Contact Mailing Address Organization/Firm: Auburndale Power Partners, LP Street Address: 1501 West Derby Avenue City: Auburndale State: Florida Zip Code: 33823-4062	
3. Application Contact Telephone Numbers... Telephone: (863) 965-1561 ext. 235 Fax: (863) 965-1924	
4. Application Contact Email Address: swunderlich@caithnessenergy.com	

Application Processing Information (DEP Use)

1. Date of Receipt of Application: 03/02/10	3. PSD Number (if applicable):
2. Project Number(s): 1050221-016-AV	4. Siting Number (if applicable):

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 (**requested by FDEP**).
- 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 APP facility is currently authorized by Florida Department of Environmental Protection (FDEP) Title V Air Operation Permit No. 1050221-014-AV issued with an effective date of January 1, 2008, and an expiration date of December 31, 2012. This permit authorizes operation of the Auburndale Energy Complex (AEC) which also includes the Auburndale Peak Energy Center (APEC) simple cycle combustion turbine and the Osprey Energy Center (OEC) two combined cycle combustion turbine electrical generation facilities.

As part of its agreement to separate the Auburndale Energy Complex (AEC) into two facilities for Title V permitting purposes, FDEP requested the submittal of a Title V air operation permit application for each AEC facility. This application form and supplemental facility and emission unit information constitutes the Auburndale Power Partners, LP Title V permit application for the APP facility.

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 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: Walter Lachney, Plant Manager
2. Application Responsible Official Qualification (Check one or more of the following options, as applicable): <input 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, CAIR source, or Hg Budget source.
3. Application Responsible Official Mailing Address: Organization/Firm: Auburndale Power Partners, LP Street Address: 1501 West Derby Avenue City: Auburndale State: Florida Zip Code: 33823-4062
4. Application Responsible Official Telephone Numbers... Telephone: (863) 965-1561 ext. Fax: (863) 965-1924
5. Application Responsible Official E-mail Address: wlachney@caithnessenergy.com
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>Walter Lachney</u> Date <u>2-23-10</u>

Professional Engineer Certification

1. Professional Engineer Name: Thomas W. Davis Registration Number: 36777
2. Professional Engineer Mailing Address... Organization/Firm: Environmental Consulting & Technology, Inc. Street Address: 3701 Northwest 98th Street City: Gainesville State: Florida Zip Code: 32606-5004
3. Professional Engineer Telephone Numbers... Telephone: (352) 248-3351 ext. Fax: (352) 332-6722
4. Professional Engineer Email Address: tdavis@ectinc.com
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 checked="" 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 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: <u>Thomas W. Davis</u> Date: <u>2/27/10</u> (seal) STATE OF FLORIDA PROFESSIONAL ENGINEER NO 36777

* Attach any exceptions to certification statement.

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1. Facility UTM Coordinates... Zone 17 East (km) 420.8 (NAD 83) North (km) 3,103.3		2. Facility Latitude/Longitude... Latitude (DD/MM/SS) 28/03/06 Longitude (DD/MM/SS) 81/48/21	
3. Governmental Facility Code: 0	4. Facility Status Code: A	5. Facility Major Group SIC Code: 49	6. Facility SIC(s): 4931
7. Facility Comment :			

Facility Contact

1. Facility Contact Name: Walter Lachney, Plant Manager
2. Facility Contact Mailing Address... Organization/Firm: Auburndale Power Partners, LP Street Address: 1501 West Derby Avenue City: Auburndale State: Florida Zip Code: 33823-4062
3. Facility Contact Telephone Numbers: Telephone: (863) 965-1561 ext. Fax: (863) 965-1924
4. Facility Contact Email Address:

Facility Primary Responsible Official **NOT APPLICABLE**

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 INFORMATION

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 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: <p>The Combustion Turbine and Heat Recovery Unit (EU ID 001) is subject to New Source Performance Standard Subpart GG, <i>Standards of Performance for Stationary Gas Turbines.</i></p>	

FACILITY INFORMATION

C. FACILITY ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

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) <input checked="" type="checkbox"/> Attached, Document ID: Attachment B <input type="checkbox"/> Previously Submitted, Date: _____
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) <input checked="" type="checkbox"/> Attached, Document ID: Attachment C <input type="checkbox"/> Previously Submitted, Date: _____
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) <input checked="" type="checkbox"/> Attached, Document ID: Attachment D <input type="checkbox"/> Previously Submitted, Date: _____

Additional Requirements for Air Construction Permit Applications **NOT APPLICABLE**

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

FACILITY INFORMATION

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: **Attachment E** Not Applicable
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: **Attachment F**
 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: **Attachment G**
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.
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: **Attachment H** Not Applicable

FACILITY INFORMATION

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: **Attach. I** Previously Submitted, Date: _____
 Not Applicable (not an Acid Rain source)

Phase II NO_x 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: **Attach. J** Previously Submitted, Date: _____
 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

EMISSIONS UNIT INFORMATION

Section [1] of [1]

A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

1. Regulated or Unregulated Emissions Unit? (Check one, if applying for an initial, revised or renewal Title V air operation permit. Skip this item if applying for an air construction permit or FESOP only.)
- The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.
- The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in this Section: (Check one)
- This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).
- This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.
- This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

2. Description of Emissions Unit Addressed in this Section:
Combined cycle combustion turbine (CT) with wet compression system and an unfired heat recovery steam generator (HRSG)

3. Emissions Unit Identification Number: **001**

4. Emissions Unit Status Code: A	5. Commence Construction Date: N/A	6. Initial Startup Date: N/A	7. Emissions Unit Major Group SIC Code: 49
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8. Federal Program Applicability: (Check all that apply)

- Acid Rain Unit
- CAIR Unit
- Hg Budget Unit

9. Package Unit:

Manufacturer: **Westinghouse** Model Number: **501D5**

10. Generator Nameplate Rating: **156 MW (CT/HRSG unit, nominal)**

11. Emissions Unit Comment:

Combustion Turbine Generator – 121.5 MW, nominal
Steam Turbine Generator – 52 MW, nominal

EMISSIONS UNIT INFORMATION

Section [1] of [1]

Emissions Unit Control Equipment/Method: Control 1 of 2

1. Control Equipment/Method Description:

NO_x - Steam Injection

2. Control Device or Method Code: **028**

Emissions Unit Control Equipment/Method: Control 2 of 2

1. Control Equipment/Method Description:

NO_x - Selective Catalytic Reduction

2. Control Device or Method Code: **139**

Emissions Unit Control Equipment/Method: Control ___ of ___

1. Control Equipment/Method Description:

2. Control Device or Method Code:

Emissions Unit Control Equipment/Method: Control ___ of ___

1. Control Equipment/Method Description:

2. Control Device or Method Code:

EMISSIONS UNIT INFORMATION

Section [1] of [1]

B. EMISSIONS UNIT CAPACITY INFORMATION

(Optional for unregulated emissions units.)

Emissions Unit Operating Capacity and Schedule

1. Maximum Process or Throughput Rate:
2. Maximum Production Rate:
3. Maximum Heat Input Rate: 1,214 million Btu/hr (LHV) @ ISO conditions (NG and wet compression system off) 1,364 million Btu/hr (LHV) @ ISO conditions (NG and wet compression system on) 1,170 million Btu/hr (LHV) @ ISO conditions (FO)
4. Maximum Incineration Rate: pounds/hr tons/day
5. Requested Maximum Operating Schedule: 24 hours/day 52 weeks/year 7 days/week 8,760 hours/year
6. Operating Capacity/Schedule Comment: Maximum heat input rate will vary with CT load and ambient conditions. LHV = lower heating value NG = natural gas FO = distillate fuel oil Unrestricted operation of the CT wet compression system is allowed during natural gas firing at ambient air temperatures greater than 60° F. Distillate fuel oil combustion is limited to no more than 400 hours per year.

EMISSIONS UNIT INFORMATION

Section [1] of [1]

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: CT-001		2. Emission Point Type Code: 1	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking: N/A			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: N/A			
5. Discharge Type Code: V	6. Stack Height: 160 feet	7. Exit Diameter: 18.0 feet	
8. Exit Temperature: 200°F	9. Actual Volumetric Flow Rate: 839,700 acfm	10. Water Vapor: N/A %	
11. Maximum Dry Standard Flow Rate: N/A dscfm		12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates... Zone: East (km): North (km):		14. Emission Point Latitude/Longitude... Latitude (DD/MM/SS) : Longitude (DD/MM/SS) :	
15. Emission Point Comment:			

EMISSIONS UNIT INFORMATION

Section [1] of [1]

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 2

1. Segment Description (Process/Fuel Type): Internal Combustion Engines, Electric Generation, Natural Gas, Turbine		
2. Source Classification Code (SCC): 2-01-002-01		3. SCC Units: Million cubic feet burned
4. Maximum Hourly Rate: 1.483	5. Maximum Annual Rate: 12,988	6. Estimated Annual Activity Factor: N/A
7. Maximum % Sulfur: N/A	8. Maximum % Ash: N/A	9. Million Btu per SCC Unit: 920 (LHV)
10. Segment Comment: Maximum hourly and annual rates based on wet compression system in operation.		

Segment Description and Rate: Segment 2 of 2

1. Segment Description (Process/Fuel Type): Internal Combustion Engines, Electric Generation, Distillate Oil (No. 2), Turbine		
2. Source Classification Code (SCC): 2-01-001-01		3. SCC Units: Thousand gallons burned
4. Maximum Hourly Rate: 8.93	5. Maximum Annual Rate: 3,573	6. Estimated Annual Activity Factor: N/A
7. Maximum % Sulfur: 0.05	8. Maximum % Ash: N/A	9. Million Btu per SCC Unit: 131 (LHV)
10. Segment Comment: Distillate fuel oil combustion is limited to no more than 400 hours per year.		

EMISSIONS UNIT INFORMATION

Section [1] of [1]

POLLUTANT DETAIL INFORMATION

Page [2] of [10]

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
ALLOWABLE EMISSIONS**

Complete Subsection F2 if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions: N/A
3. Allowable Emissions and Units: 15 ppmvd @ 15% O₂ (24-hour block average) 9 ppmvd @ 15% O₂ (12-month rolling average)	4. Equivalent Allowable Emissions: 78.6 lb/hour 177 tons/year
5. Method of Compliance: NOX CEMS	
6. Allowable Emissions Comment (Description of Operating Method): Allowable emissions and equivalent allowable hourly emissions are based on natural gas firing only. Equivalent allowable annual emission rate is based on combined total of natural gas and distillate fuel oil firing on a 12-month rolling average basis. Title V Air Operation Permit No. 1050221-014-AV Condition A.8.a.	

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions: N/A
3. Allowable Emissions and Units: 42 ppmvd @ 15% O₂ (24-hour block average)	4. Equivalent Allowable Emissions: 230.0 lb/hour 46 tons/year
5. Method of Compliance: NOX CEMS	
6. Allowable Emissions Comment (Description of Operating Method): Allowable emissions and equivalent allowable emissions are based on distillate fuel oil firing only. Distillate fuel oil firing is limited to 400 hours per year. Title V Air Operation Permit No. 1050221-014-AV Condition A.8.b.	

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION –
POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS**
(Optional for unregulated emissions units.)

Complete a Subsection F1 for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V operation permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1. Pollutant Emitted: VOC		2. Total Percent Efficiency of Control: N/A	
3. Potential Emissions: 10.0 lb/hour 27.1 tons/year		4. Synthetically Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): N/A To tons/year			
6. Emission Factor: Reference:		7. Emissions Method Code: 0	
8.a. Baseline Actual Emissions (if required): Tons/year N/A		8.b. Baseline 24-month Period: N/A From: To:	
9.a. Projected Actual Emissions (if required): Tons/year N/A		9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years N/A	
10. Calculation of Emissions:			
11. Potential, Fugitive, and Actual Emissions Comment: Potential hourly emissions based on distillate fuel oil combustion. Potential annual emissions based on 8,360 hrs/yr natural gas combustion and 400 hrs/yr distillate fuel oil combustion.			

EMISSIONS UNIT INFORMATION

Section [1] of [1]

POLLUTANT DETAIL INFORMATION

Page [4] of [10]

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
ALLOWABLE EMISSIONS**

Complete Subsection F2 if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions: N/A
3. Allowable Emissions and Units: N/A	4. Equivalent Allowable Emissions: 6.0 lb/hour 26.3 tons/year
5. Method of Compliance: Good combustion practices	
6. Allowable Emissions Comment (Description of Operating Method): Equivalent allowable emissions are based on natural gas firing only. Title V Air Operation Permit No. 1050221-014-AV Condition A.9.a.	

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions: N/A
3. Allowable Emissions and Units: N/A	4. Equivalent Allowable Emissions: 10.0 lb/hour 2.0 tons/year
5. Method of Compliance: Good combustion practices	
6. Allowable Emissions Comment (Description of Operating Method): Equivalent allowable emissions are based on distillate fuel oil firing only. Distillate fuel oil firing is limited to 400 hours per year. Title V Air Operation Permit No. 1050221-014-AV Condition A.9.b.	

EMISSIONS UNIT INFORMATION

Section [1] of [1]

POLLUTANT DETAIL INFORMATION

Page [6] of [10]

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
ALLOWABLE EMISSIONS**

Complete Subsection F2 if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions: N/A
3. Allowable Emissions and Units: 21 ppmvd @ minimum load 15 ppmvd @ base load	4. Equivalent Allowable Emissions: 43.5 lb/hour 190.5 tons/year
5. Method of Compliance: Good combustion practices	
6. Allowable Emissions Comment (Description of Operating Method): Allowable emissions are based on natural gas firing only. Title V Air Operation Permit No. 1050221-014-AV Condition A.10.a.	

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: N/A
3. Allowable Emissions and Units: 25 ppmvd	4. Equivalent Allowable Emissions: 73.0 lb/hour 14.6 tons/year
5. Method of Compliance: Good combustion practices	
6. Allowable Emissions Comment (Description of Operating Method): Allowable emissions are based on distillate fuel oil firing only. Distillate fuel oil firing is limited to 400 hours per year. Title V Air Operation Permit No. 1050221-014-AV Condition A.10.b.	

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION –
POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS**
(Optional for unregulated emissions units.)

Complete a Subsection F1 for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V operation permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1. Pollutant Emitted: PM10		2. Total Percent Efficiency of Control: N/A	
3. Potential Emissions: 36.8 lb/hour 51.3 tons/year		4. Synthetically Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): N/A To tons/year			
6. Emission Factor: Reference:		7. Emissions Method Code: 0	
8.a. Baseline Actual Emissions (if required): Tons/year N/A		8.b. Baseline 24-month Period: N/A From: To:	
9.a. Projected Actual Emissions (if required): Tons/year N/A		9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years N/A	
10. Calculation of Emissions:			
11. Potential, Fugitive, and Actual Emissions Comment: Potential hourly emissions based on distillate fuel oil combustion. Potential annual emissions based on 8,360 hr/yr (natural gas combustion) and 400 hr/yr (fuel oil combustion).			

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
ALLOWABLE EMISSIONS**

Complete Subsection F2 if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions: N/A
3. Allowable Emissions and Units: 0.0134 lb/MMBtu	4. Equivalent Allowable Emissions: 10.5 lb/hour 46 tons/year
5. Method of Compliance: Good combustion practices	
6. Allowable Emissions Comment (Description of Operating Method): Allowable emissions are based on natural gas firing only. Title V Air Operation Permit No. 1050221-014-AV Condition A.6.a.	

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: N/A
3. Allowable Emissions and Units: 0.0472 lb/MMBtu	4. Equivalent Allowable Emissions: 36.8 lb/hour 7.4 tons/year
5. Method of Compliance: Good combustion practices	
6. Allowable Emissions Comment (Description of Operating Method): Allowable emissions are based on distillate fuel oil firing only. Distillate fuel oil firing is limited to 400 hours per year. Title V Air Operation Permit No. 1050221-014-AV Condition A.6.b.	

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
 ALLOWABLE EMISSIONS**

Complete Subsection F2 if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions: N/A
3. Allowable Emissions and Units: N/A	4. Equivalent Allowable Emissions: 40.0 lb/hour 175.2 tons/year
5. Method of Compliance: Good combustion practices and exclusive use of natural gas.	
6. Allowable Emissions Comment (Description of Operating Method): Equivalent allowable emissions are based on natural gas firing only. Title V Air Operation Permit No. 1050221-014-AV Condition A.7.a	

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: N/A
3. Allowable Emissions and Units: 0.05% S (max.) content by weight of fuel oil	4. Equivalent Allowable Emissions: 70.0 lb/hour 14 tons/year
5. Method of Compliance: Good combustion practices and exclusive use of 0.05% S (max.) content by weight	
6. Allowable Emissions Comment (Description of Operating Method): Allowable emissions are based on No. 2 distillate fuel oil firing only. Title V Air Operation Permit No. 1050221-014-AV Condition A.7.b	

EMISSIONS UNIT INFORMATION

Section [1] of [1]

G. VISIBLE EMISSIONS INFORMATION

Complete Subsection G if this emissions unit is or would be subject to a unit-specific visible emissions limitation.

Visible Emissions Limitation: Visible Emissions Limitation 1 of 3

1. Visible Emissions Subtype: VE10	2. Basis for Allowable Opacity: <input type="checkbox"/> Rule <input checked="" type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions: 10 % Exceptional Conditions: N/A % Maximum Period of Excess Opacity Allowed: N/A min/hour	
4. Method of Compliance: EPA Method 9	
5. Visible Emissions Comment: 10% opacity limit at full load (i.e. 156 MW) Title V Air Operation Permit No. 1050221-014-AV Condition A.5.	

Visible Emissions Limitation: Visible Emissions Limitation 2 of 3

1. Visible Emissions Subtype: VE20	2. Basis for Allowable Opacity: <input type="checkbox"/> Rule <input checked="" type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions: 20 % Exceptional Conditions: N/A % Maximum Period of Excess Opacity Allowed: N/A min/hour	
4. Method of Compliance: EPA Method 9	
5. Visible Emissions Comment: 20% opacity limit at any load other than full load. Title V Air Operation Permit No. 1050221-014-AV Condition A.5.	

EMISSIONS UNIT INFORMATION

Section [1] of [1]

G. VISIBLE EMISSIONS INFORMATION (CONTINUED)

Complete Subsection G if this emissions unit is or would be subject to a unit-specific visible emissions limitation.

Visible Emissions Limitation: Visible Emissions Limitation 3 of 3

1. Visible Emissions Subtype: *	2. Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions: % Exceptional Conditions: N/A % Maximum Period of Excess Opacity Allowed: N/A min/hour	
4. Method of Compliance: Recordkeeping	
5. Visible Emissions Comment: * Excess emission during periods of startup, shutdown or malfunction are permitted provided that best operational practices to minimize emissions are adhered to and the duration of the excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the department for longer duration Rule: 62-210.700(1), F.A.C.; Title V Air Operation Permit No. 1050221-014-AV Condition A.11.	

Visible Emissions Limitation: Visible Emissions Limitation of

1. Visible Emissions Subtype:	2. Basis for Allowable Opacity: <input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance:	
5. Visible Emissions Comment:	

EMISSIONS UNIT INFORMATION

Section [1] of [1]

H. CONTINUOUS MONITOR INFORMATION

Complete Subsection H if this emissions unit is or would be subject to continuous monitoring.

Continuous Monitoring System: Continuous Monitor 1 of 2

1. Parameter Code: EM	2. Pollutant(s): NOX
3. CMS Requirement:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Rosemount Model Number: NGA 2000 Serial Number: 600661477646	
5. Installation Date: July 18, 2006	6. Performance Specification Test Date: August 31, 2006
7. Continuous Monitor Comment: Required by 40 CFR Part 75 (Acid Rain Program), 40 CFR Part 96 (CAIR), and NSPS Subpart GG excess emissions monitoring. Also used as a continuous as a continuous compliance method pursuant to 40 CFR Part 64 (Compliance Assurance Monitoring) Title V Air Operation Permit No. 1050221-014-AV Condition A.16.	

Continuous Monitoring System: Continuous Monitor 2 of 2

1. Parameter Code: O2	2. Pollutant(s): N/A
3. CMS Requirement:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Rosemount Model Number: MLT 1TE PO2 Serial Number: 3003902333629	
5. Installation Date: May 12, 2009	6. Performance Specification Test Date: June 5, 2009
7. Continuous Monitor Comment: Required by 40 CFR Part 75 (Acid Rain Program), 40 CFR Part 96 (CAIR), and NSPS Subpart GG excess emissions monitoring. Also used as a continuous as a continuous compliance method pursuant to 40 CFR Part 64 (Compliance Assurance Monitoring) Title V Air Operation Permit No. 1050221-014-AV Condition A.16.	

EMISSIONS UNIT INFORMATION

Section [1] of [1]

I. EMISSIONS UNIT ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1. Process Flow Diagram: (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) <input checked="" type="checkbox"/> Attached, Document ID: <u>Attachment A</u> <input type="checkbox"/> Previously Submitted, Date: _____
2. Fuel Analysis or Specification: (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) <input checked="" type="checkbox"/> Attached, Document ID: <u>Attachment K</u> <input type="checkbox"/> Previously Submitted, Date: _____
3. Detailed Description of Control Equipment: (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) <input checked="" type="checkbox"/> Attached, Document ID: <u>Attachment L</u> <input type="checkbox"/> Not Applicable
4. Procedures for Startup and Shutdown: (Required for all operation 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) <input checked="" type="checkbox"/> Attached, Document ID: <u>Attachment M</u> <input type="checkbox"/> Previously Submitted, Date _____ <input type="checkbox"/> Not Applicable (construction application)
5. Operation and Maintenance 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) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date _____ <input checked="" type="checkbox"/> Not Applicable
6. Compliance Demonstration Reports/Records: <input type="checkbox"/> Attached, Document ID: _____ Test Date(s)/Pollutant(s) Tested: _____ <input checked="" type="checkbox"/> Previously Submitted, Date: <u>July 8, 2009</u> Test Date(s)/Pollutant(s) Tested: <u>June 5, 2009 / CO and VE</u> <input type="checkbox"/> To be Submitted, Date (if known): _____ Test Date(s)/Pollutant(s) Tested: _____ <input type="checkbox"/> Not Applicable Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.
7. Other Information Required by Rule or Statute: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

EMISSIONS UNIT INFORMATION

Section [1] of [1]

I. EMISSIONS UNIT ADDITIONAL INFORMATION (CONTINUED)

Additional Requirements for Air Construction Permit Applications NOT APPLICABLE

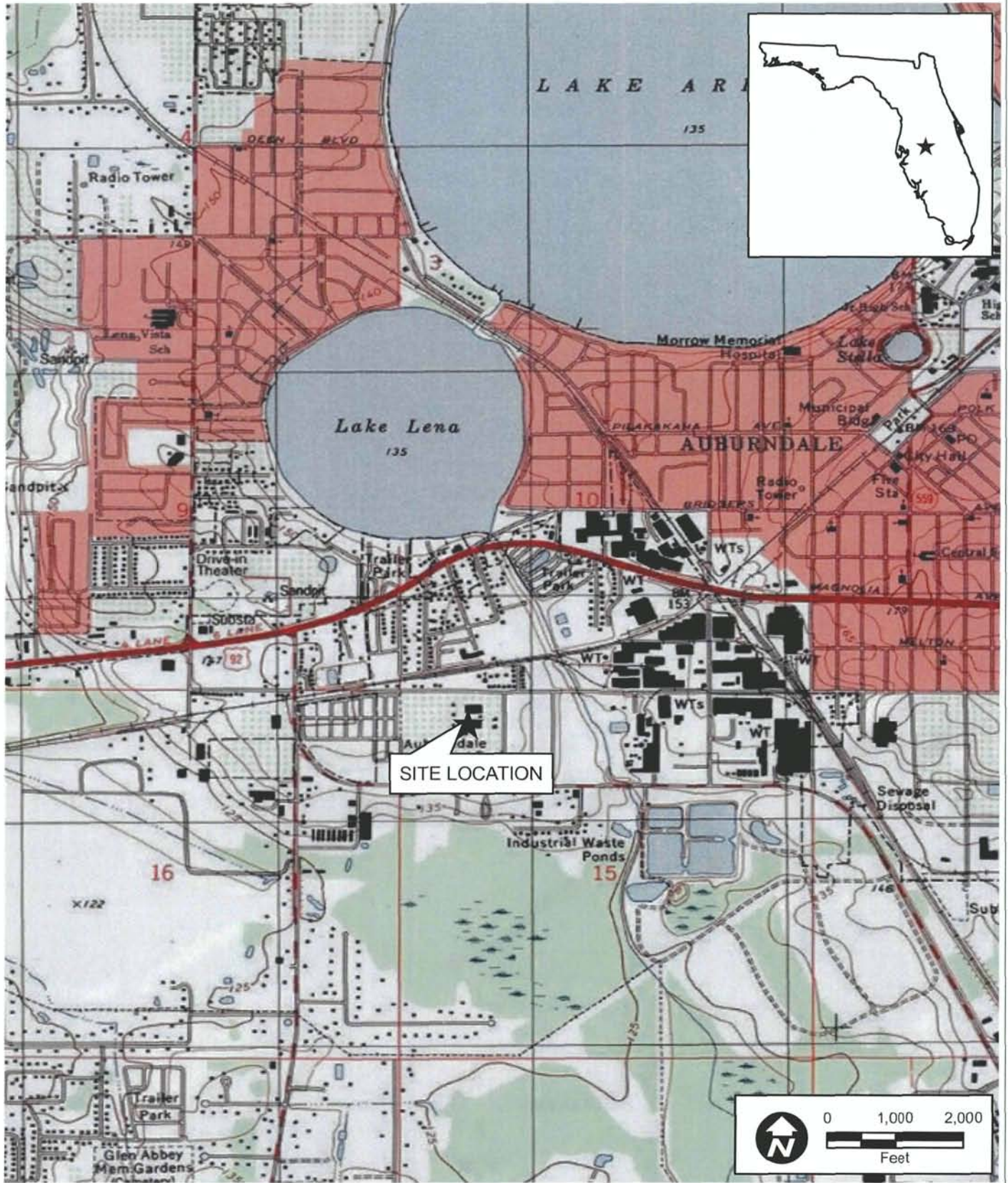
1. Control Technology Review and Analysis (Rules 62-212.400(10) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e)): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
2. Good Engineering Practice Stack Height Analysis (Rules 62-212.400(4)(d) and 62-212.500(4)(f), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
3. Description of Stack Sampling Facilities: (Required for proposed new stack sampling facilities only) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable

Additional Requirements for Title V Air Operation Permit Applications

1. Identification of Applicable Requirements: <input checked="" type="checkbox"/> Attached, Document ID: Attachment F <input type="checkbox"/> Not Applicable
2. Compliance Assurance Monitoring: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
3. Alternative Methods of Operation: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
4. Alternative Modes of Operation (Emissions Trading): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

Additional Requirements Comment

ATTACHMENT A
FACILITY LOCATION MAP



ATTACHMENT A.
AUBURNDALE POWER PARTNERS
FACILITY LOCATION MAP

Sources: USGS Quad; Auburn Dale, 2000; ECT, 2010.

APP

ATTACHMENT B
FACILITY PLOT PLAN



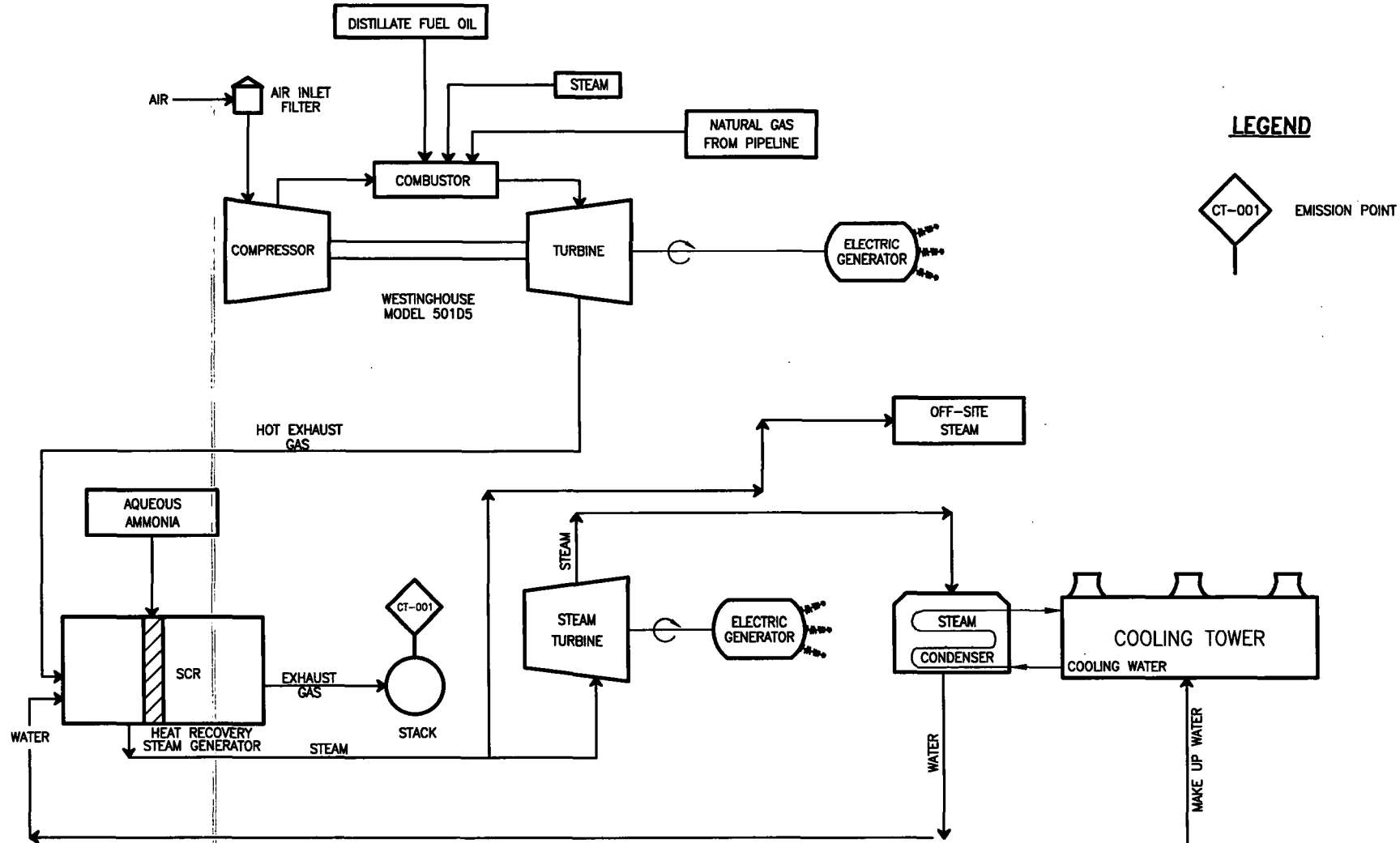
ATTACHMENT B

AUBURNDALE POWER PARTNERS PLOT PLAN

Source: ECT, 2010.

APP

ATTACHMENT C
PROCESS FLOW DIAGRAM



ATTACHMENT C.
 AUBURNDALE POWER PARTNERS
 COMBUSTION TURBINE AND HEAT RECOVERY STEAM GENERATOR - PROCESS FLOW DIAGRAM

Source: ECT, 2010.

APP

ATTACHMENT D

**PRECAUTIONS TO PREVENT EMISSIONS
OF UNCONFINED PARTICULATE MATTER**

ATTACHMENT D

AUBURNDALE POWER PARTNERS PRECAUTIONS TO PREVENT EMISSIONS OF UNCONFINED PARTICULATE MATTER

Unconfined particulate matter (PM) emissions that may result from operations at the Auburndale Power Partners facility include:

- Vehicular traffic on paved and unpaved roads.
- Wind-blown dust from material storage and yard areas.
- Periodic abrasive blasting.

The following techniques may be used to control unconfined PM emissions on an as-needed basis:

- Paving and maintenance of roads, parking areas, and yards.
- Chemical (dust suppressants) or water application to:
 - Unpaved roads.
 - Unpaved yard areas.
 - Open stock piles.
- Removal of PM from roads and other paved areas to prevent reentrainment and from buildings or work areas to prevent airborne particulate.
- Landscaping or planting of vegetation.
- Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent PM.
- Confining abrasive blasting where possible.
- Enclosure or covering of conveyor systems.
- Other techniques, as necessary

ATTACHMENT E
LIST OF INSIGNIFICANT ACTIVITIES

ATTACHMENT E

AUBURNDALE POWER PARTNERS LIST OF INSIGNIFICANT ACTIVITIES

1. Comfort heating with a gross maximum heat input of less than 1 million British thermal units per hour (Btu/hr).
2. Vacuum pumps in laboratory operations.
3. Belt or drum sanders having a total sanding surface of 5 square feet (ft²) or less and other equipment used exclusively on woods or plastics or their products having a density of 20 pounds per cubic foot (lb/ft³) or more.
4. Equipment used exclusively for space heating, other than boilers.
5. Laboratory equipment used exclusively for chemical or physical analyses (including fume hoods and vents).
6. Surface coating operations utilizing only coatings containing 5.0 percent or less VOCs, by volume.
7. Degreasing units using heavier-than-air vapors exclusively, except any unit using or emitting any substance classified as a hazardous air pollutant.
8. No. 2 fuel oil truck unloading equipment.
9. Oil/water separators.
10. Freshwater cooling towers. The cooling towers do not use chromium-based water treatment chemicals .
11. Refrigeration units.
12. Lubricating oil vents associated with rotating equipment.
13. Lubricating oil tank vents.
14. Internal combustion engines used for transportation of passengers and freight.
15. Steam cleaning equipment.
16. Fire and safety equipment.
17. Brazing, soldering, or welding equipment.
18. Petroleum lubricating systems.
19. Application of fungicide, herbicide, or pesticide.
20. Nonhalogenated solvent storage and cleaning operations that use no substance containing a hazardous air pollutant.
21. Vehicle refueling operations and associated fuel storage.
22. Storage tanks less than 2,150 gallons.
23. General plant maintenance activities including, but not limited to, welding, grinding, and general vehicle repairs (excluding air conditioning systems).
24. Water and wastewater equipment.
25. Turbine vapor extractor.
26. Wet surface air coolers. _____
27. Sand blasting and abrasive grit blasting where temporary enclosures are used to contain particulate matter emissions.
28. Vehicular traffic on plant roadways and grounds.
29. Architectural (equipment) maintenance painting.
30. One 265-horsepower firewater pump diesel engine.
31. Two distillate fuel oil storage tanks.

ATTACHMENT F
IDENTIFICATION OF APPLICABLE REQUIREMENTS

ATTACHMENT F

**AUBURNDALE POWER PARTNERS
IDENTIFICATION OF APPLICABLE REQUIREMENTS**

A. FACILITYWIDE REQUIREMENTS

Federal:

40 CFR 82 Protection of Stratospheric Ozone
40 CFR 82, Subpart F Recycling and Emissions Reduction

State:

CHAPTER 62-4, F.A.C.: PERMITS, effective 03-16-08

62-4.030, F.A.C.	General Prohibition
62-4.040, F.A.C.	Exemptions
62-4.050, F.A.C.	Procedure to Obtain Permits; Application
62-4.060, F.A.C.	Consultation
62-4.070, F.A.C.	Standards for Issuing or Denying Permits; Issuance; Denial
62-4.080, F.A.C.	Modification of Permit Conditions
62-4.090, F.A.C.	Renewals
62-4.100, F.A.C.	Suspension and Revocation
62-4.110, F.A.C.	Financial Responsibility
62-4.120, F.A.C.	Transfer of Permits
62-4.130, F.A.C.	Plant Operation - Problems
62-4.150, F.A.C.	Review
62-4.160, F.A.C.	Permit Conditions
62-4.210, F.A.C.	Construction Permits
62-4.220, F.A.C.	Operation Permit for New Sources

CHAPTER 62-210, F.A.C.: STATIONARY SOURCES - GENERAL REQUIREMENTS, effective 06-29-09

62-210.300, F.A.C.	Permits Required
62-210.300(1), F.A.C.	Air Construction Permits
62-210.300(2), F.A.C.	Air Operation Permits
62-210.300(3), F.A.C.	Exemptions
62-210.300(5), F.A.C.	Notification of Startup
62-210.300(6), F.A.C.	Emissions Unit Reclassification
62-210.300(7), F.A.C.	Transfer of Air Permits
62-210.350, F.A.C.	Public Notice and Comment
62-210.350(1), F.A.C.	Public Notice of Proposed Agency Action

ATTACHMENT F

AUBURNDALE POWER PARTNERS IDENTIFICATION OF APPLICABLE REQUIREMENTS

- 62-210.350(2), F.A.C. Additional Public Notice Requirements for Emissions Units Subject to Prevention of Significant Deterioration or Nonattainment-Area Preconstruction Review
- 62-210.350(3), F.A.C. Additional Public Notice Requirements for Sources Subject to Operation Permits for Title V Sources
- 62-210.360, F.A.C. Administrative Permit Corrections
- 62-210.370(2), F.A.C. Computation of Emissions
- 62-210.370(3), F.A.C. Annual Operating Report for Air Pollutant Emitting Facility
- 62-210.650, F.A.C. Circumvention
- 62-210.700, F.A.C. Excess Emissions
- 62-210.900, F.A.C. Forms and Instructions
- 62-210.900(1), F.A.C. Application for Air Permit – Long Form, Form and Instructions
- 62-210.900(5), F.A.C. Annual Operating Report for Air Pollutant Emitting Facility, Form and Instructions
- 62-210.900(7), F.A.C. Application for Transfer of Air Permit – Title V and Non-Title V Source

CHAPTER 62-212, F.A.C.: STATIONARY SOURCES - PRECONSTRUCTION REVIEW, effective 06-29-09

- 62-212.300, F.A.C. General Preconstruction Review Requirements
- 62-212.400, F.A.C. Prevention of Significant Deterioration (PSD)
- 62-212.500, F.A.C. Preconstruction Review for Nonattainment Areas
- 62-212.710, F.A.C. Air Emissions Bubble
- 62-212.720, F.A.C. Actuals Plantwide Applicability Limits (PALS)

CHAPTER 62-213, F.A.C.: OPERATION PERMITS FOR MAJOR SOURCES OF AIR POLLUTION, effective 10-12-08

- 62-213.205, F.A.C. Annual Emissions Fee
- 62-213.400, F.A.C. Permits and Permit Revisions Required
- 62-213.405, F.A.C. Concurrent Processing of Permit Applications
- 62-213.410, F.A.C. Changes without Permit Revision
- 62-213.412, F.A.C. Immediate Implementation Pending Revision Process
- 62-213.415, F.A.C. Trading of Emissions within a Source
- 62-213.420, F.A.C. Permit Applications
- 62-213.430, F.A.C. Permit Issuance, Renewal, and Revision

ATTACHMENT F

AUBURNDALE POWER PARTNERS IDENTIFICATION OF APPLICABLE REQUIREMENTS

62-213.440, F.A.C.	Permit Content
62-213.450, F.A.C.	Permit Review by EPA and Affected States
62-213.460, F.A.C.	Permit Shield
62-213.900, F.A.C.	Forms and Instructions
62-213.900(1), F.A.C.	Major Air Pollution Source Annual Emissions Fee Form
62-213.900(7), F.A.C.	Statement of Compliance Form
62-213.900(8), F.A.C.	Responsible Official Notification Form

CHAPTER 62-256, F.A.C.: OPEN BURNING AND FROST PROTECTION FIRES, effective 10-06-08

CHAPTER 62-296, F.A.C.: STATIONARY SOURCES - EMISSION STANDARDS, effective 10-06-08

62-296.320(2), F.A.C.	Objectionable Odor Prohibited
62-296.320(3), F.A.C.	Permitted Open Burning
62-296.320(4)(b), F.A.C.	General Visible Emissions Standard
62-296.320(4)(c), F.A.C.	Unconfined Emissions of Particulate Matter

CHAPTER 62-297, F.A.C.: STATIONARY SOURCES - EMISSIONS MONITORING, effective 02-12-04

62-297.310, F.A.C.	General Test Requirements
62-297.320, F.A.C.	Standards for Persons Engaged in Visible Emissions Observations
62-297.401, F.A.C.	Compliance Test Methods
62-297.440, F.A.C.	Supplementary Test Procedures
62-297.620, F.A.C.	Exceptions and Approval of Alternate Procedures and Requirements

Miscellaneous:

CHAPTER 28-106, F.A.C.: DECISIONS DETERMINING SUBSTANTIAL INTERESTS, effective 12-24-07

CHAPTER 62-110, F.A.C.: EXCEPTION TO THE UNIFORM RULES OF PROCEDURE, effective 07-01-98

ATTACHMENT F

**AUBURNDALE POWER PARTNERS
IDENTIFICATION OF APPLICABLE REQUIREMENTS**

B. COMBUSTION TURBINE AND HEAT RECOVERY STEAM GENERATOR; EU ID NO. 001

ACID RAIN PROGRAM (ARP)

40 CFR 72 Permits Regulation
40 CFR 75 Continuous Emissions Monitoring
40 CFR 77 Excess Emissions
40 CFR 78 Appeal Procedures

CLEAN AIR INTERSTATE RULE (CAIR)

40 CFR 96 NO_x Budget Trading Program and CAIR NO_x and SO₂ Trading Programs for State Implementation Plans

NEW SOURCE PERFORMANCE STANDARDS

40 CFR 60, Subpart A General Provisions
 §60.7—Notification and Recordkeeping
 §60.8—Performance Tests
 §60.11—Compliance with Standards and Maintenance Requirements
 §60.12—Circumvention
 §60.13—Monitoring Requirements
 §60.19—General Notification and Reporting Requirements

40 CFR 60, Subpart GG Standards of Performance for Stationary Gas Turbines
 §60.330—Applicability and Designation of Affected Facility
 §60.331—Definitions
 §60.332(a)(1)—Standard for Nitrogen Oxides
 §60.333—Standard for Sulfur Dioxide
 §60.334(b), (c), (h), (i), and (j)—Monitoring of Operations
 §60.335—Test Methods and Procedures

62-213.413, F.A.C. Fast-Track Revision of Acid Rain Parts.

**CHAPTER 62-214, F.A.C.: REQUIREMENTS FOR SOURCES SUBJECT TO
THE FEDERAL ACID RAIN PROGRAM, effective 03-16-08**

62-296.470, F.A.C. Implementation of Federal Clean Air Interstate Rule (CAIR).

**FINAL Permit No: 1050221-014-AV, Section 3., Subsection A. Combined Cycle
Combustion Turbine, EU 001; Permit Condition Nos. A.1. through A.19.**

ATTACHMENT G
COMPLIANCE REPORT

ATTACHMENT G

AUBURNDALE POWER PARTNERS COMPLIANCE REPORT

Attachment F to this Title V operation permit renewal application identifies the requirements that are applicable to the emission units that comprise this Title V source. Each emissions unit is in compliance, and will continue to comply, with the respective applicable requirements.



CALPINE®

NYSE: CPN

717 TEXAS AVENUE
SUITE 1000
HOUSTON, TEXAS 77002
713.830.2000
713.830.2001 (FAX)

February 27, 2009

VIA FEDERAL EXPRESS
TRACKING NO. 7963 8433 1909

Southwest District Office
Florida Department of Environmental Protection
13051 N. Telecom Parkway,
Temple Terrace, Florida 33637.

RE: Annual Title V Compliance Statement
Auburndale Energy Complex
Facility ID: 1050221

Please accept the attached Title V compliance statement for 2008 for the Auburndale Energy Complex. The Auburndale Energy Complex consists of the Auburndale Power Plant (owned by Auburndale Power Partners, LP), Auburndale Peaker Energy Center (owned by Auburndale Peaker Energy Center, LLC) and Osprey Energy Center (owned by Calpine Construction Finance Company, LP). As required by the permit, a copy of this certification is being submitted to Region IV of the Environmental Protection Agency.

If you have any technical questions, please contact Heidi Whidden at (713) 570-4829.

Sincerely,

Jason Goodwin, P.E.
Director—EHS
Responsible Official

CC: US EPA—Region 4; (hard copy);
VIA FEDERAL EXPRESS, TRACKING NO. 7963 8434 2940
Heidi Whidden, Calpine (electronic)
Andrew Martin, Calpine (electronic)
Steve Wunderlich, Caithness (electronic)
Tom Grace, Caithness (electronic)



Department of Environmental Protection

Division of Air Resource Management

STATEMENT OF COMPLIANCE - TITLE V SOURCE

REASON FOR SUBMISSION (Check one to indicate why this statement of compliance is being submitted)

<input checked="" type="checkbox"/> Annual Requirement	<input type="checkbox"/> Transfer of Permit	<input type="checkbox"/> Permanent Facility Shutdown
--	---	--

REPORTING PERIOD*	REPORT DEADLINE**
January 1 through December 31 of 2008 (year)	March 1, 2009

*The statement of compliance must cover all conditions that were in effect during the indicated reporting period, including any conditions that were added, deleted, or changed through permit revision.

**See Rule 62-213.440(3)(a)2., F.A.C.

Facility Owner/Company Name: Auburndale Power Partners, LP (Auburndale Power Plant: EU001-EU005); Auburndale Peaker Energy Center, LLC (Auburndale Peaker Energy Center: EU006); Calpine Construction and Finance Company, LP (Osprey Energy Center: EU007-EU011)

Site Name: Auburndale Energy Complex Facility ID No. 1050221 County: Polk

COMPLIANCE STATEMENT (Check only one of the following three options)

A. This facility was in compliance with all terms and conditions of the Title V Air Operation Permit and, if applicable, the Acid Rain Part, and there were no reportable incidents of deviations from applicable requirements associated with any malfunction or breakdown of process, fuel burning or emission control equipment, or monitoring systems during the reporting period identified above.

B. This facility was in compliance with all terms and conditions of the Title V Air Operation Permit and, if applicable, the Acid Rain Part; however, there were one or more reportable incidents of deviations from applicable requirements associated with malfunctions or breakdowns of process, fuel burning or emission control equipment, or monitoring systems during the reporting period identified above, which were reported to the Department. For each incident of deviation, the following information is included:

1. Date of report previously submitted identifying the incident of deviation.
2. Description of the incident.

C. This facility was in compliance with all terms and conditions of the Title V Air Operation Permit and, if applicable, the Acid Rain Part, EXCEPT those identified in the pages attached to this report and any reportable incidents of deviations from applicable requirements associated with malfunctions or breakdowns of process, fuel burning or emission control equipment, or monitoring systems during the reporting period identified above, which were reported to the Department. For each item of noncompliance, the following information is included:

1. Emissions unit identification number.
2. Specific permit condition number (note whether the permit condition has been added, deleted, or changed during certification period).
3. Description of the requirement of the permit condition.
4. Basis for the determination of noncompliance (for monitored parameters, indicate whether monitoring was continuous, i.e., recorded at least every 15 minutes, or intermittent).
5. Beginning and ending dates of periods of noncompliance.
6. Identification of the probable cause of noncompliance and description of corrective action or preventative measures implemented.
7. Dates of any reports previously submitted identifying this incident of noncompliance.

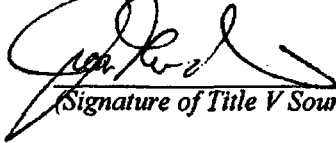
For each incident of deviation, as described in paragraph B. above, the following information is included:

1. Date of report previously submitted identifying the incident of deviation.
2. Description of the incident.

STATEMENT OF COMPLIANCE - TITLE V SOURCE

RESPONSIBLE OFFICIAL CERTIFICATION

I, the undersigned, am a responsible official (Title V air permit application or responsible official notification form on file with the Department) of the Title V source for which this document is being submitted. With respect to all matters other than Acid Rain program requirements, I hereby certify, based on the information and belief formed after reasonable inquiry, that the statements made and data contained in this document are true, accurate, and complete.



(Signature of Title V Source Responsible Official)

February 27, 2009
(Date)

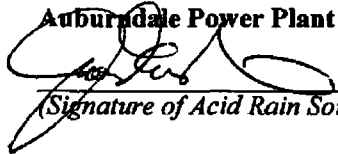
Name: Jason Goodwin

Title: Director—EHS

DESIGNATED REPRESENTATIVE CERTIFICATION (only applicable to Acid Rain source)

I, the undersigned, am authorized to make this submission on behalf of the owners and operators of the Acid Rain source or Acid Rain units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Auburndale Power Plant



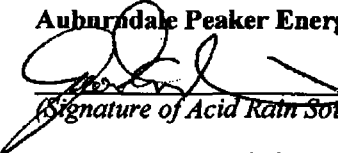
(Signature of Acid Rain Source Designated Representative)

February 27, 2009
(Date)

Name: Jason Goodwin

Title: Director—EHS

Auburndale Peaker Energy Center and Osprey Energy Center



(Signature of Acid Rain Source Designated Representative)

February 27, 2009
(Date)

Name: Jason Goodwin

Title: Director—EHS

{Note: Attachments, if required, are created by a responsible official or designated representative, as appropriate, and should consist of the information specified and any supporting records. Additional information may also be attached by a responsible official or designated representative when elaboration is required for clarity. This report is to be submitted to both the compliance authority (DEP district or local air program) and the U.S. Environmental Protection Agency(EPA) (U.S. EPA Region 4, Air and EPCRA Enforcement Branch, 61 Forsyth Street, Atlanta GA 30303).}

ATTACHMENT H

**REQUESTED CHANGES TO CURRENT
TITLE V AIR OPERATION PERMIT**

ATTACHMENT H

AUBURNDALE POWER PARTNERS REQUESTED CHANGES TO CURRENT TITLE V PERMIT

Condition A.11 – Excess Emissions

The current condition makes reference to EU-006 (currently the Auburndale Peak Energy Center simple-cycle CT), which will not be included in the APP facility Title V permit. Also, the current condition does not address excess emissions during cold starts as is the case for Condition C.12 for the Osprey Energy Center combined-cycle units. Accordingly, the following revisions to Condition A.11. are requested:

A.11. Excess emissions

- a. Excess Emissions from this emissions unit resulting from startup, shutdown or malfunction shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period ~~unless specifically authorized by the Department for a longer duration~~ except during both “cold start-up” to, and shutdowns from, combined-cycle plant operation. During cold start-up to combined-cycle operation, up to 3 hours of excess emissions are allowed. Cold start-up is defined as a startup to combined-cycle operation following a complete shutdown lasting at least 48 hours. During startup and shutdown, visible emissions, excluding water vapor, may exceed 20-percent opacity for up to 2 hours in any 24-hour period.
- b. Additionally, the permittee’s record keeping for EU-001 annual ~~the~~ NO_x emissions ~~eaps (TPY) on EU-001 and EU-006~~ shall be in full agreement with publicly available data on EPA’s Acid Rain website which includes all documented exclusions reported to the Department in a quarterly report. However these emissions will be excluded for compliance demonstration.

Condition A.16 – NO_x CEMS

Additional language consistent with that shown for Condition B.12. for the Auburndale Peaker Energy Center simple cycle CT is requested as follows:

A.16. NO_x CEMS

- a. No change.
- b. The NO_x CEMS shall be used to demonstrate continuous compliance with the NO_x emission limit (24-hour block average concentration limit). NO_x and oxygen data shall be recorded by the CEM system during episodes of startup, shutdown,

ATTACHMENT H

AUBURNDALE POWER PARTNERS REQUESTED CHANGES TO CURRENT TITLE V PERMIT

and malfunction. No valid monitoring data shall be excluded from the mass-based (TPY) NO_x emissions limit. Monitoring data collected during startup, shutdown, and malfunctions may be excluded in accordance with the following conditions when determining compliance with concentration-based (ppmvd) NO_x emissions limits. NO_x emissions data recorded during these episodes may be excluded from the 24-hour block average calculated to demonstrate compliance with the emission limits of this permit as provided in this paragraph. Periods of data excluded for startup and shutdown shall not exceed 2 hours in any block 24-hour period. Periods of data excluded for malfunctions shall not exceed 2 hours in any 24-hour block period. All periods of data excluded for any startup, shutdown, or malfunction episode shall be consecutive for each episode. Periods of data excluded for all startup, shutdown, or malfunction episodes shall not exceed 4 hours in any 24-hour block period. The owner or operator shall minimize the duration of data excluded for startup, shutdown, and malfunctions, to the extent practicable. Data recorded during startup, shutdown, or malfunction events shall not be excluded if the startup, shutdown, or malfunction episode was caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure, which may reasonably be prevented.

- c. No change.
- d. The NO_x monitor shall be certified pursuant to 40 CFR 75 and shall be operated and maintained in accordance with the applicable requirements of 40 CFR 75. Annual RATA tests required for the NO_x monitor shall be performed using EPA Method 20 or 7E of Appendix A of 40 CFR 60. The permittee shall conduct an annual RATA test at 100-percent output in accordance with the applicable CEMS requirements.
- e. For purposes of determining compliance with the 24-hour block average emission limits of this permit, missing data shall not be substituted pursuant to 40 CFR 75. Instead the block average shall be determined using the remaining hourly data in the 24-hour block. However, the permittee's recordkeeping for EU-001 annual NO_x emissions (TPY) shall be in full agreement with data submitted for inclusion on EPA's Acid Rain Web site, which includes all documented exclusions reported to the Department in a quarterly report. The permittee may exclude start up, shutdown, and Part 75 missing data from the ppmvd calculations. However, this data will need to be recorded for the TPY calculations and as required by the Acid Rain Web site.

ATTACHMENT I
ACID RAIN PART

Acid Rain Part Application

For more information, see instructions and refer to 40 CFR 72.30, 72.31, and 74; and Chapter 62-214, F.A.C.

This submission is: New Revised Renewal

STEP 1

Identify the source by plant name, state, and ORIS or plant code.

Auburndale Power Partners Plant name	Florida State	54658 ORIS/Plant Code
--	-------------------------	---------------------------------

STEP 2

Enter the unit ID# for every Acid Rain unit at the Acid Rain source in column "a."

If unit a SO₂ Opt-in unit, enter "yes" in column "b".

For new units or SO₂ Opt-in units, enter the requested information in columns "d" and "e."

a	b	c	d	e
Unit ID#	SO ₂ Opt-in Unit? (Yes or No)	Unit will hold allowances in accordance with 40 CFR 72.9(c)(1)	New or SO ₂ Opt-in Units Commence Operation Date	New or SO ₂ Opt-in Units Monitor Certification Deadline
1	No	Yes	N/A	N/A
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		

Auburndale Power Partners

Plant Name (from STEP 1)

STEP 3

Read the standard requirements.

Acid Rain Part Requirements.

- (1) The designated representative of each Acid Rain source and each Acid Rain unit at the source shall:
 - (i) Submit a complete Acid Rain Part application (including a compliance plan) under 40 CFR Part 72 and Rules 62-214.320 and 330, F.A.C., in accordance with the deadlines specified in Rule 62-214.320, F.A.C.; and
 - (ii) Submit in a timely manner any supplemental information that the DEP determines is necessary in order to review an Acid Rain Part application and issue or deny an Acid Rain Part;
- (2) The owners and operators of each Acid Rain source and each Acid Rain unit at the source shall:
 - (i) Operate the unit in compliance with a complete Acid Rain Part application or a superseding Acid Rain Part issued by the DEP; and
 - (ii) Have an Acid Rain Part.

Monitoring Requirements.

- (1) The owners and operators and, to the extent applicable, designated representative of each Acid Rain source and each Acid Rain unit at the source shall comply with the monitoring requirements as provided in 40 CFR Part 75, and Rule 62-214.420, F.A.C.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR Part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
- (3) The requirements of 40 CFR Part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.
- (4) For applications including a SO₂ Opt-in unit, a monitoring plan for each SO₂ Opt-in unit must be submitted with this application pursuant to 40 CFR 74.14(a). For renewal applications for SO₂ Opt-in units include an updated monitoring plan if applicable under 40 CFR 75.53(b).

Sulfur Dioxide Requirements.

- (1) The owners and operators of each source and each Acid Rain unit at the source shall:
 - (i) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)), or in the compliance subaccount of another Acid Rain unit at the same source to the extent provided in 40 CFR 73.35(b)(3), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; and
 - (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
- (2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.
- (3) An Acid Rain unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
 - (i) Starting January 1, 2000, an Acid Rain unit under 40 CFR 72.6(a)(2); or
 - (ii) Starting on the later of January 1, 2000, or the deadline for monitor certification under 40 CFR Part 75, an Acid Rain unit under 40 CFR 72.6(a)(3).
- (4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
- (5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
- (6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain Part application, the Acid Rain Part, or an exemption under 40 CFR 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

Nitrogen Oxides Requirements. The owners and operators of the source and each Acid Rain unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

Excess Emissions Requirements.

- (1) The designated representative of an Acid Rain unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR Part 77.
- (2) The owners and operators of an Acid Rain unit that has excess emissions in any calendar year shall:
 - (i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR Part 77; and
 - (ii) Comply with the terms of an approved offset plan, as required by 40 CFR Part 77.

Recordkeeping and Reporting Requirements.

- (1) Unless otherwise provided, the owners and operators of the source and each Acid Rain unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the EPA or the DEP:
 - (i) The certificate of representation for the designated representative for the source and each Acid Rain unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with Rule 62-214.350, F.A.C.; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;
 - (ii) All emissions monitoring information, in accordance with 40 CFR Part 75, provided that to the extent that 40 CFR Part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply;
 - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,

**STEP 3,
Continued.**

Auburndale Power Partners Plant Name (from STEP 1)
--

Recordkeeping and Reporting Requirements (cont)

- (iv) Copies of all documents used to complete an Acid Rain Part application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
- (2) The designated representative of an Acid Rain source and each Acid Rain unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR Part 72, Subpart I, and 40 CFR Part 75.

Liability.

- (1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain Part application, an Acid Rain Part, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
- (2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.
- (3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
- (4) Each Acid Rain source and each Acid Rain unit shall meet the requirements of the Acid Rain Program.
- (5) Any provision of the Acid Rain Program that applies to an Acid Rain source (including a provision applicable to the designated representative of an Acid Rain source) shall also apply to the owners and operators of such source and of the Acid Rain units at the source.
- (6) Any provision of the Acid Rain Program that applies to an Acid Rain unit (including a provision applicable to the designated representative of an Acid Rain unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR 72.44 (Phase II repowering extension plans) and 40 CFR 76.11 (NO_x averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR Part 75 (including 40 CFR 75.16, 75.17, and 75.18), the owners and operators and the designated representative of one Acid Rain unit shall not be liable for any violation by any other Acid Rain unit of which they are not owners or operators or the designated representative and that is located at a source of which they are not owners or operators or the designated representative.
- (7) Each violation of a provision of 40 CFR Parts 72, 73, 74, 75, 76, 77, and 78 by an Acid Rain source or Acid Rain unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Effect on Other Authorities.

No provision of the Acid Rain Program, an Acid Rain Part application, an Acid Rain Part, or an exemption under 40 CFR 72.7 or 72.8 shall be construed as:

- (1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an Acid Rain source or Acid Rain unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;
- (2) Limiting the number of allowances a unit can hold; *provided*, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the Act;
- (3) Requiring a change of any kind in any state law regulating electric utility rates and charges, affecting any state law regarding such state regulation, or limiting such state regulation, including any prudence review requirements under such state law;
- (4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,
- (5) Interfering with or impairing any program for competitive bidding for power supply in a state in which such program is established.

**STEP 4
For SO₂ Opt-in
units only.**

In column "f" enter the unit ID# for every SO₂ Opt-in unit identified in column "a" of STEP 2.

For column "g" describe the combustion unit and attach information and diagrams on the combustion unit's configuration.

In column "h" enter the hours.

f	g	h (not required for renewal application)
Unit ID#	Description of the combustion unit	Number of hours unit operated in the six months preceding initial application

Auburndale Power Partners

STEP 5

**For SO₂ Opt-in units only.
(Not required for SO₂ Opt-in renewal applications.)**

In column "i" enter the unit ID# for every SO₂ Opt-in unit identified in column "a" (and in column "f").

For columns "j" through "n," enter the information required under 40 CFR 74.20-74.25 and attach all supporting documentation required by 40 CFR 74.20-74.25.

i	j	k	l	m	n
Unit ID#	Baseline or Alternative Baseline under 40 CFR 74.20 (mmBtu)	Actual SO ₂ Emissions Rate under 40 CFR 74.22 (lbs/mmBtu)	Allowable 1985 SO ₂ Emissions Rate under 40 CFR 74.23 (lbs/mmBtu)	Current Allowable SO ₂ Emissions Rate under 40 CFR 74.24 (lbs/mmBtu)	Current Promulgated SO ₂ Emissions Rate under 40 CFR 74.25 (lbs/mmBtu)

STEP 6

For SO₂ Opt-in units only.

Attach additional requirements, certify and sign.

- A. If the combustion source seeks to qualify for a transfer of allowances from the replacement of thermal energy, a thermal energy plan as provided in 40 CFR 74.47 for combustion sources must be attached.
- B. A statement whether the combustion unit was previously an affected unit under 40 CFR 74.
- C. A statement that the combustion unit is not an affected unit under 40 CFR 72.6 and does not have an exemption under 40 CFR 72.7, 72.8, or 72.14.
- D. Attach a complete compliance plan for SO₂ under 40 CFR 72.40.
- E. The designated representative of the combustion unit shall submit a monitoring plan in accordance with 40 CFR 74.61. For renewal application, submit an updated monitoring plan if applicable under 40 CFR 75.53(b).
- F. The following statement must be signed by the designated representative or alternate designated representative of the combustion source: "I certify that the data submitted under 40 CFR Part 74, Subpart C, reflects actual operations of the combustion source and has not been adjusted in any way."

Signature	Date
-----------	------

STEP 7

Read the certification statement; provide name, title, owner company name, phone, and e-mail address; sign, and date.

Certification (for designated representative or alternate designated representative only)

I am authorized to make this submission on behalf of the owners and operators of the Acid Rain source or Acid Rain units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Walter Lachney Name	Plant Manager Title
-------------------------------	-------------------------------

Auburndale Power Partners, LP Owner Company Name
--

(863) 965-1561 Phone	wlachney@caithnessenergy.com E-mail address
--------------------------------	---

Signature <i>Walter Lachney</i>	Date 2-24-10
---------------------------------	---------------------

ATTACHMENT J

CAIR PART

STEP 3

Read the standard requirements.

Auburndale Power Partners

Plant Name (from STEP 1)

CAIR NO_x ANNUAL TRADING PROGRAM

CAIR Part Requirements.

- (1) The CAIR designated representative of each CAIR NO_x source and each CAIR NO_x unit at the source shall:
 - (i) Submit to the DEP a complete and certified CAIR Part form under 40 CFR 96.122 and Rule 62-296.470, F.A.C., in accordance with the deadlines specified in Rule 62-213.420, F.A.C.; and
 - (ii) [Reserved];
- (2) The owners and operators of each CAIR NO_x source and each CAIR NO_x unit at the source shall have a CAIR Part included in the Title V operating permit issued by the DEP under 40 CFR Part 96, Subpart CC, and operate the source and the unit in compliance with such CAIR Part.

Monitoring, Reporting, and Recordkeeping Requirements.

- (1) The owners and operators, and the CAIR designated representative, of each CAIR NO_x source and each CAIR NO_x unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR Part 96, Subpart HH, and Rule 62-296.470, F.A.C.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR Part 96, Subpart HH, shall be used to determine compliance by each CAIR NO_x source with the following CAIR NO_x Emissions Requirements.

NO_x Emission Requirements.

- (1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO_x source and each CAIR NO_x unit at the source shall hold, in the source's compliance account, CAIR NO_x allowances available for compliance deductions for the control period under 40 CFR 96.154(a) in an amount not less than the tons of total NO_x emissions for the control period from all CAIR NO_x units at the source, as determined in accordance with 40 CFR Part 96, Subpart HH.
- (2) A CAIR NO_x unit shall be subject to the requirements under paragraph (1) of the NO_x Requirements starting on the later of January 1, 2009, or the deadline for meeting the unit's monitor certification requirements under 40 CFR 96.170(b)(1) or (2) and for each control period thereafter.
- (3) A CAIR NO_x allowance shall not be deducted, for compliance with the requirements under paragraph (1) of the NO_x Requirements, for a control period in a calendar year before the year for which the CAIR NO_x allowance was allocated.
- (4) CAIR NO_x allowances shall be held in, deducted from, or transferred into or among CAIR NO_x Allowance Tracking System accounts in accordance with 40 CFR Part 96, Subparts FF and GG.
- (5) A CAIR NO_x allowance is a limited authorization to emit one ton of NO_x in accordance with the CAIR NO_x Annual Trading Program. No provision of the CAIR NO_x Annual Trading Program, the CAIR Part, or an exemption under 40 CFR 96.105 and no provision of law shall be construed to limit the authority of the state or the United States to terminate or limit such authorization.
- (6) A CAIR NO_x allowance does not constitute a property right.
- (7) Upon recordation by the Administrator under 40 CFR Part 96, Subpart EE, FF, or GG, every allocation, transfer, or deduction of a CAIR NO_x allowance to or from a CAIR NO_x unit's compliance account is incorporated automatically in any CAIR Part of the source that includes the CAIR NO_x unit.

Excess Emissions Requirements.

If a CAIR NO_x source emits NO_x during any control period in excess of the CAIR NO_x emissions limitation, then:

- (1) The owners and operators of the source and each CAIR NO_x unit at the source shall surrender the CAIR NO_x allowances required for deduction under 40 CFR 96.154(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable state law; and
- (2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AA, the Clean Air Act, and applicable state law.

Recordkeeping and Reporting Requirements.

- (1) Unless otherwise provided, the owners and operators of the CAIR NO_x source and each CAIR NO_x unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the DEP or the Administrator.
 - (i) The certificate of representation under 40 CFR 96.113 for the CAIR designated representative for the source and each CAIR NO_x unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR 96.113 changing the CAIR designated representative.
 - (ii) All emissions monitoring information, in accordance with 40 CFR Part 96, Subpart HH, of this part, provided that to the extent that 40 CFR Part 96, Subpart HH, provides for a 3-year period for recordkeeping, the 3-year period shall apply.
 - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO_x Annual Trading Program.
 - (iv) Copies of all documents used to complete a CAIR Part form and any other submission under the CAIR NO_x Annual Trading Program or to demonstrate compliance with the requirements of the CAIR NO_x Annual Trading Program.
- (2) The CAIR designated representative of a CAIR NO_x source and each CAIR NO_x unit at the source shall submit the reports required under the CAIR NO_x Annual Trading Program, including those under 40 CFR Part 96, Subpart HH.

Auburndale Power Partners

Plant Name (from STEP 1)

Liability.

- (1) Each CAIR NO_x source and each CAIR NO_x unit shall meet the requirements of the CAIR NO_x Annual Trading Program.
- (2) Any provision of the CAIR NO_x Annual Trading Program that applies to a CAIR NO_x source or the CAIR designated representative of a CAIR NO_x source shall also apply to the owners and operators of such source and of the CAIR NO_x units at the source.
- (3) Any provision of the CAIR NO_x Annual Trading Program that applies to a CAIR NO_x unit or the CAIR designated representative of a CAIR NO_x unit shall also apply to the owners and operators of such unit.

Effect on Other Authorities.

No provision of the CAIR NO_x Annual Trading Program, a CAIR Part, or an exemption under 40 CFR 96.105 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NO_x source or CAIR NO_x unit from compliance with any other provision of the applicable, approved State Implementation Plan, a federally enforceable permit, or the Clean Air Act.

CAIR SO₂ TRADING PROGRAM

CAIR Part Requirements.

- (1) The CAIR designated representative of each CAIR SO₂ source and each CAIR SO₂ unit at the source shall:
 - (i) Submit to the DEP a complete and certified CAIR Part form under 40 CFR 96.222 and Rule 62-296.470, F.A.C., in accordance with the deadlines specified in Rule 62-213.420, F.A.C.; and
 - (ii) [Reserved];
- (2) The owners and operators of each CAIR SO₂ source and each CAIR SO₂ unit at the source shall have a CAIR Part included in the Title V operating permit issued by the DEP under 40 CFR Part 96, Subpart CCC, for the source and operate the source and each CAIR unit in compliance with such CAIR Part.

Monitoring, Reporting, and Recordkeeping Requirements.

- (1) The owners and operators, and the CAIR designated representative, of each CAIR SO₂ source and each SO₂ CAIR unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR Part 96, Subpart HHH, and Rule 62-296.470, F.A.C.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR Part 96, Subpart HHH, shall be used to determine compliance by each CAIR SO₂ source with the following CAIR SO₂ Emission Requirements.

SO₂ Emission Requirements.

- (1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR SO₂ source and each CAIR SO₂ unit at the source shall hold, in the source's compliance account, a tonnage equivalent in CAIR SO₂ allowances available for compliance deductions for the control period, as determined in accordance with 40 CFR 96.254(a) and (b), not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO₂ units at the source, as determined in accordance with 40 CFR Part 96, Subpart HHH.
- (2) A CAIR SO₂ unit shall be subject to the requirements under paragraph (1) of the Sulfur Dioxide Emission Requirements starting on the later of January 1, 2010 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 96.270(b)(1) or (2) and for each control period thereafter.
- (3) A CAIR SO₂ allowance shall not be deducted, for compliance with the requirements under paragraph (1) of the SO₂ Emission Requirements, for a control period in a calendar year before the year for which the CAIR SO₂ allowance was allocated.
- (4) CAIR SO₂ allowances shall be held in, deducted from, or transferred into or among CAIR SO₂ Allowance Tracking System accounts in accordance with 40 CFR Part 96, Subparts FFF and GGG.
- (5) A CAIR SO₂ allowance is a limited authorization to emit sulfur dioxide in accordance with the CAIR SO₂ Trading Program. No provision of the CAIR SO₂ Trading Program, the CAIR Part, or an exemption under 40 CFR 96.205 and no provision of law shall be construed to limit the authority of the state or the United States to terminate or limit such authorization.
- (6) A CAIR SO₂ allowance does not constitute a property right.
- (7) Upon recordation by the Administrator under 40 CFR Part 96, Subpart FFF or GGG, every allocation, transfer, or deduction of a CAIR SO₂ allowance to or from a CAIR SO₂ unit's compliance account is incorporated automatically in any CAIR Part of the source that includes the CAIR SO₂ unit.

Excess Emissions Requirements.

If a CAIR SO₂ source emits SO₂ during any control period in excess of the CAIR SO₂ emissions limitation, then:

- (1) The owners and operators of the source and each CAIR SO₂ unit at the source shall surrender the CAIR SO₂ allowances required for deduction under 40 CFR 96.254(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable state law; and
- (2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AAA, the Clean Air Act, and applicable state law.

Auburndale Power Partners

Plant Name (from STEP 1)

Recordkeeping and Reporting Requirements.

- (1) Unless otherwise provided, the owners and operators of the CAIR SO₂ source and each CAIR SO₂ unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Department or the Administrator.
 - (i) The certificate of representation under 40 CFR 96.213 for the CAIR designated representative for the source and each CAIR SO₂ unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR 96.213 changing the CAIR designated representative.
 - (ii) All emissions monitoring information, in accordance with 40 CFR Part 96, Subpart HHH, of this part, provided that to the extent that 40 CFR Part 96, Subpart HHH, provides for a 3-year period for recordkeeping, the 3-year period shall apply.
 - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR SO₂ Trading Program.
 - (iv) Copies of all documents used to complete a CAIR Part form and any other submission under the CAIR SO₂ Trading Program or to demonstrate compliance with the requirements of the CAIR SO₂ Trading Program.
- (2) The CAIR designated representative of a CAIR SO₂ source and each CAIR SO₂ unit at the source shall submit the reports required under the CAIR SO₂ Trading Program, including those under 40 CFR Part 96, Subpart HHH.

Liability.

- (1) Each CAIR SO₂ source and each CAIR SO₂ unit shall meet the requirements of the CAIR SO₂ Trading Program.
- (2) Any provision of the CAIR SO₂ Trading Program that applies to a CAIR SO₂ source or the CAIR designated representative of a CAIR SO₂ source shall also apply to the owners and operators of such source and of the CAIR SO₂ units at the source.
- (3) Any provision of the CAIR SO₂ Trading Program that applies to a CAIR SO₂ unit or the CAIR designated representative of a CAIR SO₂ unit shall also apply to the owners and operators of such unit.

Effect on Other Authorities.

No provision of the CAIR SO₂ Trading Program, a CAIR Part, or an exemption under 40 CFR 96.205 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR SO₂ source or CAIR SO₂ unit from compliance with any other provision of the applicable, approved State Implementation Plan, a federally enforceable permit, or the Clean Air Act.

CAIR NO_x OZONE SEASON TRADING PROGRAM

CAIR Part Requirements.

- (1) The CAIR designated representative of each CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall:
 - (i) Submit to the DEP a complete and certified CAIR Part form under 40 CFR 96.322 and Rule 62-296.470, F.A.C., in accordance with the deadlines specified in Rule 62-213.420, F.A.C.; and
 - (ii) [Reserved];
- (2) The owners and operators of each CAIR NO_x Ozone Season source required to have a Title V operating permit or air construction permit, and each CAIR NO_x Ozone Season unit required to have a Title V operating permit or air construction permit at the source shall have a CAIR Part included in the Title V operating permit or air construction permit issued by the DEP under 40 CFR Part 96, Subpart CCCC, for the source and operate the source and the unit in compliance with such CAIR Part.

Monitoring, Reporting, and Recordkeeping Requirements.

- (1) The owners and operators, and the CAIR designated representative, of each CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR Part 96, Subpart HHHH, and Rule 62-296.470, F.A.C.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR Part 96, Subpart HHHH, shall be used to determine compliance by each CAIR NO_x Ozone Season source with the following CAIR NO_x Ozone Season Emissions Requirements.

NO_x Ozone Season Emission Requirements.

- (1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall hold, in the source's compliance account, CAIR NO_x Ozone Season allowances available for compliance deductions for the control period under 40 CFR 96.354(a) in an amount not less than the tons of total NO_x emissions for the control period from all CAIR NO_x Ozone Season units at the source, as determined in accordance with 40 CFR Part 96, Subpart HHHH.
- (2) A CAIR NO_x Ozone Season unit shall be subject to the requirements under paragraph (1) of the NO_x Ozone Season Emission Requirements starting on the later of May 1, 2009 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 96.370(b)(1),(2), or (3) and for each control period thereafter.
- (3) A CAIR NO_x Ozone Season allowance shall not be deducted, for compliance with the requirements under paragraph (1) of the NO_x Ozone Season Emission Requirements, for a control period in a calendar year before the year for which the CAIR NO_x Ozone Season allowance was allocated.
- (4) CAIR NO_x Ozone Season allowances shall be held in, deducted from, or transferred into or among CAIR NO_x Ozone Season Allowance Tracking System accounts in accordance with 40 CFR Part 96, Subparts FFFF and GGGG.
- (5) A CAIR NO_x Ozone Season allowance is a limited authorization to emit one ton of NO_x in accordance with the CAIR NO_x Ozone Season Trading Program. No provision of the CAIR NO_x Ozone Season Trading Program, the CAIR Part, or an exemption under 40 CFR 96.305 and no provision of law shall be construed to limit the authority of the state or the United States to terminate or limit such authorization.
- (6) A CAIR NO_x Ozone Season allowance does not constitute a property right.
- (7) Upon recordation by the Administrator under 40 CFR Part 96, Subpart EEEE, FFFF or GGGG, every allocation, transfer, or deduction of a CAIR NO_x Ozone Season allowance to or from a CAIR NO_x Ozone Season unit's compliance account is incorporated automatically in any CAIR Part of the source that includes the CAIR NO_x Ozone Season unit.

**STEP 3,
Continued**

Auburndale Power Partners Plant Name (from STEP 1)
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Excess Emissions Requirements.

If a CAIR NO_x Ozone Season source emits NO_x during any control period in excess of the CAIR NO_x Ozone Season emissions limitation, then:

- (1) The owners and operators of the source and each CAIR NO_x Ozone Season unit at the source shall surrender the CAIR NO_x Ozone Season allowances required for deduction under 40 CFR 96.354(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable state law; and
- (2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AAAAA, the Clean Air Act, and applicable state law.

Recordkeeping and Reporting Requirements.

(1) Unless otherwise provided, the owners and operators of the CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the DEP or the Administrator.

- (i) The certificate of representation under 40 CFR 96.313 for the CAIR designated representative for the source and each CAIR NO_x Ozone Season unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR 96.113 changing the CAIR designated representative.
- (ii) All emissions monitoring information, in accordance with 40 CFR Part 96, Subpart HHHH, of this part, provided that to the extent that 40 CFR Part 96, Subpart HHHH, provides for a 3-year period for recordkeeping, the 3-year period shall apply.
- (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO_x Ozone Season Trading Program.
- (iv) Copies of all documents used to complete a CAIR Part form and any other submission under the CAIR NO_x Ozone Season Trading Program or to demonstrate compliance with the requirements of the CAIR NO_x Ozone Season Trading Program.

(2) The CAIR designated representative of a CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall submit the reports required under the CAIR NO_x Ozone Season Trading Program, including those under 40 CFR Part 96, Subpart HHHH.

Liability.

- (1) Each CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit shall meet the requirements of the CAIR NO_x Ozone Season Trading Program.
- (2) Any provision of the CAIR NO_x Ozone Season Trading Program that applies to a CAIR NO_x Ozone Season source or the CAIR designated representative of a CAIR NO_x Ozone Season source shall also apply to the owners and operators of such source and of the CAIR NO_x Ozone Season units at the source.
- (3) Any provision of the CAIR NO_x Ozone Season Trading Program that applies to a CAIR NO_x Ozone Season unit or the CAIR designated representative of a CAIR NO_x Ozone Season unit shall also apply to the owners and operators of such unit.

Effect on Other Authorities.

No provision of the CAIR NO_x Ozone Season Trading Program, a CAIR Part, or an exemption under 40 CFR 96.305 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NO_x Ozone Season source or CAIR NO_x Ozone Season unit from compliance with any other provision of the applicable, approved State Implementation Plan, a federally enforceable permit, or the Clean Air Act.

STEP 4

Certification (for designated representative or alternate designated representative only)

Read the certification statement; provide name, title, owner company name, phone, and e-mail address; sign, and date.

I am authorized to make this submission on behalf of the owners and operators of the CAIR source or CAIR units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Walter Lachney Name		Plant Manager Title	
Auburndale Power Partners, LP Owner Company Name			
965-1561	(863) Phone	wlachney@caithnessenergy.com E-mail address	
Signature <i>Walter Lachney</i>		Date 2-24-10	

ATTACHMENT K
FUEL SPECIFICATIONS

ATTACHMENT K

**AUBURNDALE POWER PARTNERS
FUEL ANALYSES OR SPECIFICATIONS**

A. Distillate Fuel Oil

Specification	Units	Value
Heat Content (nominal)	BTU/gal (HHV)	138,000
Sulfur Content	Weight %	0.05
Ash Content	Weight %	0.1

B. Natural Gas (typical composition)

Component	Mole Percent (by volume)
<u>Gas Composition</u>	
Hexane+	0.018
Propane	0.190
I-butane	0.010
N-butane	0.007
Pentane	0.002
Nitrogen	0.527
Methane	96.195
CO ₂	0.673
Ethane	2.379
<u>Other Characteristics</u>	
Heat content (HHV)	1,050 Btu/ft ³ at 14.73 psia, dry
Real specific gravity	0.5776
Sulfur content	0.5 gr/100 scf

Note: Btu/ft³ = British thermal units per cubic foot.
 psia = pounds per square inch absolute.
 gr/100 scf = grains per 100 standard cubic foot.

ATTACHMENT L

**DETAILED DESCRIPTION OF
CONTROL EQUIPMENT**

ATTACHMENT L

AUBURNDALE POWER PARTNERS DETAILED DESCRIPTION OF CONTROL EQUIPMENT

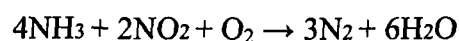
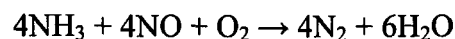
Steam Injection – NO_x Control

Injection of steam or water into the primary combustion zone of a CT reduces the formation of thermal NO_x by decreasing the peak combustion temperature. Water injection decreases the peak flame temperature by diluting the combustion gas stream and acting as a heat sink by absorbing heat necessary to: (a) vaporize the water (latent heat of vaporization), and (b) raise the vaporized water temperature to the combustion temperature. High purity water must be employed to prevent turbine corrosion and deposition of solids on the turbine blades. Steam injection employs the same mechanisms to reduce the peak flame temperature with the exclusion of heat absorbed due to vaporization since the heat of vaporization has been added to the steam prior to injection. Accordingly, a greater amount of steam, on a mass basis, is required to achieve a specified level of NO_x reduction in comparison to water injection.

The maximum amount of steam or water that can be injected depends on the CT combustor design. Excessive rates of injection will cause flame instability, combustor dynamic pressure oscillations, thermal stress (cold-spots), and increased emissions of CO and VOCs due to combustion inefficiency. Accordingly, the efficiency of steam or water injection to reduce NO_x emissions also depends on turbine combustor design. For a given CT design, the maximum water to fuel ratio (and maximum NO_x reduction) will occur up to the point where cold-spots and flame instability adversely effect the safe, efficient, and reliable operation of the CT.

Selective Catalytic Reduction (SCR) – NO_x Control

SCR reduces NO_x emissions by reacting ammonia with exhaust gas NO_x to yield nitrogen and water vapor in the presence of a catalyst. Ammonia is injected upstream of the catalyst bed where the following primary reactions take place:



ATTACHMENT L

AUBURNDALE POWER PARTNERS DETAILED DESCRIPTION OF CONTROL EQUIPMENT

The catalyst serves to lower the activation energy of these reactions, which allows the NO_x conversions to take place at a lower temperature than the exhaust gas. The optimum temperatures range from as low as 350°F to as high as 1,100°F (typically 600 to 750°F), depending on the catalyst. Typical SCR catalysts include metal oxides (titanium oxide and vanadium), noble metals (combinations of platinum and rhodium), zeolite (aluminosilicates), and ceramics.

Factors affecting SCR performance include space velocity (volume per hour of flue gas divided by the volume of the catalyst bed), ammonia-to-NO_x molar ratio, and catalyst bed temperature. Space velocity is a function of catalyst bed depth. Decreasing the space velocity (increasing catalyst bed depth) will improve NO_x removal efficiency by increasing residence time but will also cause an increase in catalyst bed pressure drop. The reaction of NO_x with ammonia theoretically requires a 1:1 molar ratio. The ammonia-to-NO_x molar ratios greater than 1:1 are necessary to achieve high NO_x removal efficiencies due to imperfect mixing and other reaction limitations. However, the ammonia-to-NO_x molar ratios are typically maintained at 1:1 or lower to prevent excessive unreacted ammonia (ammonia slip) emissions. Reaction temperature is critical for proper SCR operation. Below this critical temperature range, the reduction reactions shown above will not proceed. At temperatures exceeding the optimal range, oxidation of ammonia will take place resulting in an increase in NO_x emissions.

ATTACHMENT M

PROCEDURES FOR STARTUP AND SHUTDOWN

ATTACHMENT M

AUBURNDALE POWER PARTNERS PROCEDURES FOR STARTUP AND SHUTDOWN

Starting Sequence

Startup of the Westinghouse 501D5 CT is implemented by means of a computer-controlled startup sequencer. The startup sequencer is given a *START* command by the control room operator. The startup sequencer then controls startup and synchronization of the CT to the power grid, while the control room operator monitors the CT startup and other plant processes.

Shutdown Sequence

CT shutdown occurs in a similar fashion as startup. Shutdown of the Westinghouse 501D5 CT is implemented by means of a computer controlled shutdown sequencer. The shutdown sequencer is given a *STOP* command by the control room operator. The shutdown sequencer then reduces CT load, disconnects the CT from the power grid (opens the generator breaker), closes the fuel supply to the CT, and allows the CT to cool in a controlled manner. Once the CT has cooled sufficiently, the CT is allowed to coast until rotation stops. The CT will automatically go on turning gear.

ATTACHMENT N
ALTERNATE METHODS OF OPERATION

ATTACHMENT N

**AUBURNDALE POWER PARTNERS
ALTERNATIVE METHODS OF OPERATION**

COMBUSTION TURBINE (EU ID 001)

Method Number	Fuel Type	Fuel Sulfur Content (wt %)	Heat Input Range, LHV* (10 ⁶ Btu/hr)	Maximum Operating Hours		
				hr/day	day/wk	hr/yr
1	Natural gas (wet compression on)	N/A	0 to 1,364	24†	7†	8,760†
2	Natural gas (wet compression off)	N/A	0 to 1,214	24	7	8,760
3	Distillate fuel oil	0.05	0 to 1,170	24	7	400

*Heat input rates are lower heating values (LHV) at International Standards Organization (ISO) conditions (59°F, 14.7 psia, and 60-percent relative humidity).

†Any period when the ambient temperature is above 60°F.

ATTACHMENT O
RESPONSIBLE OFFICIAL
NOTIFICATION FORM



Department of Environmental Protection

Division of Air Resource Management

RESPONSIBLE OFFICIAL NOTIFICATION FORM

Note: A responsible official is not necessarily a designated representative under the Acid Rain Program. To become a designated representative, submit a certificate of representation to the U.S. Environmental Protection Agency (EPA) in accordance with 40 CFR Part 72.24.

Identification of Facility

1. Facility Owner/Company Name: Auburndale Power Partners, LP	
2. Site Name: Auburndale Power Partners	3. County: Polk
4. Title V Air Operation Permit/Project No. <i>(leave blank for initial Title V applications)</i> : New Title V permit to be issued to Auburndale Power Partners, LP	

Notification Type *(Check one or more)*

<input type="checkbox"/>	INITIAL: Notification of responsible officials for an initial Title V application.
<input type="checkbox"/>	RENEWAL: Notification of responsible officials for a renewal Title V application.
<input type="checkbox"/>	CHANGE: Notification of change in responsible official(s). Effective date of change in responsible official(s) <u>Effective date of APP permit</u>

Primary Responsible Official

1.	Name and Position Title of Responsible Official: Walter Lachney, Plant Manager
2.	Responsible Official Mailing Address: Organization/Firm: Auburndale Power Partners, LP Street Address: 1501 West Derby Avenue City: Auburndale State: FL Zip Code: 33823-4062
3.	Responsible Official Telephone Numbers: Telephone: (863) 965-1561 Fax: (863) 965-1924
4.	Responsible Official Qualification <i>(Check one or more of the following options, as applicable)</i> : <input 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.
5.	Responsible Official Statement: <i>I, the undersigned, am a responsible official, as defined in Rule 62-210.200, F.A.C., of the Title V source addressed in this notification. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this notification are true, accurate and complete. Further, I certify that I have authority over the decisions of all other responsible officials, if any, for purposes of Title V permitting.</i> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> _____ Signature </div> <div style="text-align: center;"> _____ 2-23-10 Date </div> </div>

Additional Responsible Official

1. Name and Position Title of Responsible Official: Thomas Grace, Director of Environmental, Health, and Safety
2. Responsible Official Mailing Address: Organization/Firm: Caithness Street Address: 960 Holmdel Road, Building II City: Holmdel State: NJ Zip Code: 07733
3. Responsible Official Telephone Numbers: Telephone: (917) 472-4593 Fax: (732) 817-0101
4. Responsible Official Qualification (<i>Check one or more of the following options, as applicable</i>): <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.

Additional Responsible Official

1. Name and Position Title of Responsible Official:
2. Responsible Official Mailing Address: Organization/Firm: Street Address: City: State: Zip Code:
3. Responsible Official Telephone Numbers: Telephone: () - Fax: () -
4. Responsible Official Qualification (<i>Check one or more of the following options, as applicable</i>): <input 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.