



CALPINE

RECEIVED

APR 05 2005

BUREAU OF AIR REGULATION

April 4, 2005

Federal Express: 7915 8979 2160

ISLAND CENTER
2701 N. ROCKY POINT
SUITE 1200
TAMPA, FLORIDA 33607
813.637.7300
813.637.7399 (FAX)

Mr. James K Pennington, P.E.
Florida Department of Environmental Protection
Division of Air Management
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

RE: Auburndale Energy Complex
PSD-FL-185, Construction Permit 1050221-004-AC and PSD-FL-287
Request for PSD Modification to Assist in Compliance with the Revised Part
60 Subpart GG Regulations and Provide Appropriate Permit Clarification

Following conversations with Mr. Robert Bull of the Department regarding the Draft Title V permit covering three Calpine facilities collectively known as the Auburndale Energy Complex (the Complex), the owners of the Complex are requesting modifications to their corresponding PSD Permits to conform with the revised 40 CFR Part 60 Subpart GG regulations and provide appropriate clarifications to ensure consistency among the three PSD Permits and collective Title V Permit.

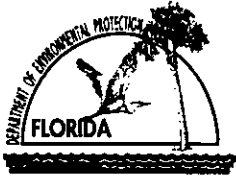
On March 17, 2005 Calpine Corporation provided this request in the form of a letter. Upon receipt of the letter, the Department requested Section I of the Air Permit Application be completed. Calpine believes this submittal should meet the Department's request.

We look forward to discussing this matter further with you as necessary to expedite this change in the permit. As the Title V permit for these units is also currently under review (Draft Permit Project Number 1050221-009-AV), a copy of this letter is being provided to Mr. Robert Bull. If you have questions or need additional information regarding this request, please contact me by telephone at (813) 637-7316 or via email at hwhidden@calpine.com.

Sincerely,

Heidi M. Whidden
Environmental Specialist—SEPR

CC: Mr. Robert Bull, FDEP—Tallahassee (via email)
Mr. Robert Callery, Osprey Energy Center (via email)



Department of Environmental Protection

Division of Air Resource Management

APPLICATION FOR AIR PERMIT - LONG FORM

RECEIVED

APR 05 2005

BUREAU OF AIR REGULATION

I. APPLICATION INFORMATION

Air Construction Permit – Use this form to apply for an air construction permit for a proposed project:

- subject to prevention of significant deterioration (PSD) review, nonattainment area (NAA) new source review, or maximum achievable control technology (MACT) review; or
- where the applicant proposes to assume a restriction on the potential emissions of one or more pollutants to escape a federal program requirement such as PSD review, NAA new source review, Title V, or MACT; or
- at an existing federally enforceable state air operation permit (FESOP) or Title V permitted facility.

Air Operation Permit – Use this form to apply for:

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

Air Construction Permit & Revised/Renewal Title V Air Operation Permit (Concurrent Processing Option)

– Use this form to apply for both an air construction permit and a revised or renewal Title V air operation permit incorporating the proposed project.

To ensure accuracy, please see form instructions.

Identification of Facility

1. Facility Owner/Company Name: Auburndale Power Partners, L.P. (APP); Auburndale Peaker Energy Center, LLC (APEC); and Calpine Construction Finance Company (OEC)	
2. Site Name: Auburndale Power Plant (APP); Auburndale Peaker Energy Center (APEC); and Osprey Energy Center (OEC)—Collectively known, for Title V purposes, as the Auburndale Energy Complex	
3. Facility Identification Number: 1050221 (APP, APEC) and 1050334 (OEC)	
4. Facility Location... Street Address or Other Locator: 1651 West Derby Avenue City: Auburndale County: Polk Zip Code: 33823	
5. Relocatable Facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Existing Title V Permitted Facility? <input checked="" type="checkbox"/> Yes (APP, APEC) <input checked="" type="checkbox"/> No (OEC)

Application Contact

1. Application Contact Name: Heidi M. Whidden		
2. Application Contact Mailing Address... Organization/Firm: Calpine Corporation Street Address: 2701 North Rocky Point Drive; Suite 1200 City: Tampa State: Florida Zip Code: 33607		
3. Application Contact Telephone Numbers... Telephone: (813)637-7316 ext. Fax: (813)637-7399		
4. Application Contact Email Address: hwhidden@calpine.com		

APPLICATION INFORMATION

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	
2. Project Number(s):	
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

APPLICATION INFORMATION

Purpose of Application

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

Air Construction Permit

☒ Air construction permit. (modifications)

Air Operation Permit

☐ Initial Title V air operation permit.

☐ Title V air operation permit revision.

☐ Title V air operation permit renewal.

☐ Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is required.

☐ Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is not required.

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

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

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

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

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

Application Comment :

Requested modifications are specified in the attached letter.

APPLICATION INFORMATION

Scope of Application

Emissions Unit ID Number	Description of Emissions Unit	Air Permit Type	Air Permit Proc. Fee
APP/APEC EU-001	Combined Cycle Combustion Turbine (APP)	PSD	
APP/APEC EU-002	Fuel Oil Storage Tanks (2) (APP)	PSD	
APP/APEC EU-003	Emergency Generators (APP)	PSD	
APP/APEC EU-004	Heating Units and Engines (APP)	PSD	
APP/APEC EU-005	Surface Coating Operations (APP)	PSD	
APP/APEC EU-006	Simple Cycle Combustion Trubines (APEC)	PSD	
OEC EU-001	One nominal 170 MW Gas Combustion Turbine-Electrical Generator	PSD	
OEC EU-002	One nominal 170 MW Gas Combustion Turbine-Electrical Generator	PSD	
OEC EU-003	One 250 MMBtu/hr Ductburner configured as a Supplementally Fired Heat Recover Steam Generator	PSD	
OEC EU-004	One 250 MMBtu/hr Ductburner configured as a Supplementally Fired Heat Recover Steam Generator	PSD	
OEC EU-005	Cooling Tower	PSD	
OEC XXX	Emergency Generator and Diesel Fire Pump	PSD	

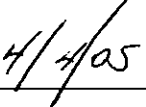
Application Processing Fee

Check one: ☐ Attached - Amount: \$ _____ ☒ Not Applicable

APPLICATION INFORMATION

Owner/Authorized Representative Statement


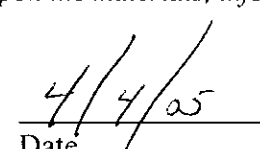

Complete if applying for an air construction permit or an initial FESOP.

1. Owner/Authorized Representative Name : Benjamin M. H. Borsch
2. Owner/Authorized Representative Mailing Address... Organization/Firm: Calpine Corporation Street Address: 2107 North Rocky Point Drive; Suite 1200 City: Tampa State: Florida Zip Code: 33607
3. Owner/Authorized Representative Telephone Numbers... Telephone: (813)637-7305 ext. Fax: (813)637-7399
4. Owner/Authorized Representative Email Address: bborsch@calpine.com
5. Owner/Authorized Representative Statement: <i>I, the undersigned, am the owner or authorized representative of the facility 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 requirements identified in this application to which the facility 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.</i>  Signature  Date

APPLICATION INFORMATION

1. Professional Engineer Name: Registration Number: 43875
2. Professional Engineer Mailing Address... Organization/Firm: Calpine Corporation Street Address: 2701 North Rocky Point Drive; Suite 1200 City: Tampa State: Florida Zip Code: 33607
3. Professional Engineer Telephone Numbers... Telephone: (813)637-7305 ext. Fax: (813)637-7399
4. Professional Engineer Email Address: bborsch@calpine.com
5. Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i> (1) <i>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> (2) <i>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> (3) <i>If the purpose of this application is to obtain a Title V air operation permit (check here <input type="checkbox"/> , if so), I further certify that each emissions unit described in this application for air permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance plan and schedule is submitted with this application.</i> (4) <i>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> (5) <i>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> <div style="display: flex; justify-content: space-between;"><div>_____ Signature (seal)</div><div>_____ Date</div></div>

APPLICATION INFORMATION

1. Professional Engineer Name: Registration Number: 43875
2. Professional Engineer Mailing Address... Organization/Firm: Calpine Corporation Street Address: 2701 North Rocky Point Drive; Suite 1200 City: Tampa State: Florida Zip Code: 33607
3. Professional Engineer Telephone Numbers... Telephone: (813)637-7305 ext. Fax: (813)637-7399
4. Professional Engineer Email Address: bborsch@calpine.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>  Signature  Date  (seal)

