

# Department of Environmental Protection

## DIVISION OF AIR RESOURCES MANAGEMENT

### APPLICATION FOR AIR PERMIT - LONG FORM

See Instructions for Form No. 62-210.900(1)

#### I. APPLICATION INFORMATION

This section of the Application for Air Permit form provides general information on the scope of this application, the purpose for which this application is being submitted, and the nature of any construction or modification activities proposed as a part of this application. This section also includes information on the owner or authorized representative of the facility (or the responsible official in the case of a Title V source) and the necessary statements for the applicant and professional engineer, where required, to sign and date for formal submittal of the Application for Air Permit to the Department. If the application form is submitted to the Department on diskette, this section of the Application for Air Permit must also be submitted in hard-copy.

#### Identification of Facility Addressed in This Application

Enter the name of the corporation, business, governmental entity, or individual that has ownership or control of the facility; the facility name, if any; and a brief reference to the facility's physical location. If known, also enter the ARMS or AIRS facility identification number. This information is intended to give a quick reference, on the first page of the application form, to the facility addressed in this application. Elsewhere in the form, numbered data fields are provided for entry of the facility data in computer-input format.

**Central Power & Lime, Inc.  
Power Plant  
10311 Cement Plant Road  
Brooksville, Hernando County, Florida**

**APIS ID#: 40TPA27003214; ARMS Emissions Unit ID#: 014**

#### Application Processing Information (DEP Use)

|                                    |              |
|------------------------------------|--------------|
| 1. Date of Receipt of Application: | 3-15-95      |
| 2. Permit Number:                  |              |
| 3. PSD Number (if applicable):     | PSD-FL-090.D |
| 4. Siting Number (if applicable):  | PA 52-17     |

**Owner/Authorized Representative or Responsible Official**

|  |
|--|
| 1. Name and Title of Owner/Authorized Representative or Responsible Official:<br><b>Joc Piermatteo, Senior Vice President</b>  |
| 2. Owner/Authorized Representative or Responsible Official Mailing Address:<br><br>Organization/Firm: <b>Central Power &amp; Lime, Inc.</b><br>Street Address: <b>10311 Cement Plant Road</b><br>City: <b>Brooksville</b> State: <b>FL</b> Zip Code: <b>34601</b>  |
| 3. Owner/Authorized Representative or Responsible Official Telephone Numbers:<br>Telephone: <b>(904) 799-7881</b> Fax: <b>(904) 799-3508</b>   |
| 4. Owner/Authorized Representative or Responsible Official Statement:<br><br><i>I, the undersigned, am the owner or authorized representative* of the facility (non-Title V source) addressed in this Application for Air Permit or the responsible official, as defined in Chapter 62-213, F.A.C., of the Title V source addressed in this application, whichever is applicable. 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. Further, I agree to operate and maintain the air pollutant emissions units and air pollution control equipment described in this application 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. If the purpose of this application is to obtain an air operation permit or operation permit revision for one or more emissions units which have undergone construction or modification, I 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 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 any permitted emissions unit.</i><br><br><p>Signature: <u><i>Joseph A Piermatteo</i></u> Date: <u>3-7-95</u></p> |

\* Attach letter of authorization if not currently on file.



**Purpose of Application and Category**

Check one (except as otherwise indicated):

**Category I: All Air Operation Permit Applications Subject to Processing Under Chapter 62-213, F.A.C.**

This Application for Air Permit is submitted to obtain:

- Initial air operation permit under Chapter 62-213, F.A.C., for an existing facility which is classified as a Title V source.
  
- Initial air operation permit under Chapter 62-213, F.A.C., for a facility which, upon start up of one or more newly constructed or modified emissions units addressed in this application, would become classified as a Title V source.

Current construction permit number: \_\_\_\_\_

- Air operation permit renewal under Chapter 62-213, F.A.C., for a Title V source.

Operation permit to be renewed: \_\_\_\_\_

- Air operation permit revision for a Title V source to address one or more newly constructed or modified emissions units addressed in this application.

Current construction permit number: \_\_\_\_\_

Operation permit to be revised: \_\_\_\_\_

- Air operation permit revision or administrative correction for a Title V source to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application. Also check Category III.

Operation permit to be revised/corrected: \_\_\_\_\_

- Air operation permit revision for a Title V source for reasons other than construction or modification of an emissions unit. Give reason for the revision; e.g., to comply with a new applicable requirement or to request approval of an "Early Reductions" proposal.

Operation permit to be revised: \_\_\_\_\_

Reason for revision: \_\_\_\_\_

\_\_\_\_\_

**Category II: All Air Operation Permit Applications Subject to Processing Under Rule 62-210.300(2)(b), F.A.C.**

This Application for Air Permit is submitted to obtain:

- Initial air operation permit under Rule 62-210.300(2)(b), F.A.C., for an existing facility seeking classification as a synthetic non-Title V source.

Current operation/construction permit number(s): \_\_\_\_\_

- Renewal air operation permit under Rule 62-210.300(2)(b), F.A.C., for a synthetic non-Title V source.

Operation permit to be renewed: \_\_\_\_\_

- Air operation permit revision for a synthetic non-Title V source. Give reason for revision; e.g., to address one or more newly constructed or modified emissions units.

Operation permit to be revised: \_\_\_\_\_

Reason for revision: \_\_\_\_\_

**Category III: All Air Construction Permit Applications for All Facilities and Emissions Units**

This Application for Air Permit is submitted to obtain:

- Air construction permit to construct or modify one or more emissions units within a facility (including any facility classified as a Title V source).

Current operation permit number(s), if any: PSD-EL-090, and Site Certification PA 82-17

- Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.

Current operation permit number(s): \_\_\_\_\_

- Air construction permit for one or more existing, but unpermitted, emissions units.

**Application Processing Fee**

Check one:

Attached - Amount: \$ \_\_\_\_\_  Not Applicable\*  
**\*Fee submitted with application for Modification of Conditions of Certification**  
**Construction/Modification Information**

**1. Description of Proposed Project or Alterations:**

**A permit application to increase the power generating rate of an existing coal fired power plant. Currently permitted allowable emission limits will remain unchanged.**

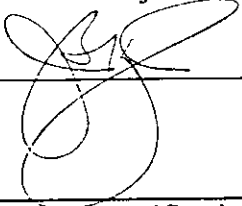
**Proposed power generation rate : 150 MW, net delivered**

**Proposed heat input rate : 1850 MMBtu/hr**

**2. Projected or Actual Date of Commencement of Construction (DD-MON-YYYY):**  
**Upon FDEP approval**

**3. Projected Date of Completion of Construction (DD-MON-YYYY):**  
**There are no changes to the plant associated with the requested modification**

**Professional Engineer Certification**

|  |  |
|--|--|
| 1. Professional Engineer Name: <b>John B. Koogler, Ph.D., P.E.</b><br>Registration Number: <b>12925</b>  |  |
| 2. Professional Engineer Mailing Address:<br><br>Organization/Firm: <b>Koogler &amp; Associates</b><br>Street Address: <b>4014 NW 13th Street</b><br>City: <b>Gainesville</b> State: <b>FL</b> Zip Code: <b>32609</b>  |  |
| 3. Professional Engineer Telephone Numbers:<br>Telephone: <b>(904) 377-5822</b> Fax: <b>(904) 377-7158</b>   |  |
| 4. Professional Engineer Statement:<br><br><i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i><br><br><i>(1) To the best of my knowledge, there is reasonable assurance (a) 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; or (b) for any application for a Title V source air operation permit, 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 schedule is submitted with this application;</i><br><br><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; and</i><br><br><i>(3) For any application for an air construction permit for one or more proposed new or modified emissions units, 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><br><br>_____<br>Signature  _____<br>(seal) _____ Date <u>3/3/95</u> |  |

\* Attach any exception to certification statement.

**Application Contact**

|   |
|---|
| 1. Name and Title of Application Contact:<br><br><b>Thomas W. Mountain, Environmental Manager</b>   |
| 2. Application Contact Mailing Address:<br><br>Organization/Firm: <b>Central Power &amp; Lime, Inc.</b><br>Street Address: <b>10311 Cement Plant Road</b><br>City: <b>Brooksville</b> State: <b>FL</b> Zip Code: <b>34601</b> |
| 3. Application Contact Telephone Numbers:<br>Telephone: <b>(904) 799-7881</b> Fax: <b>(904) 796-6281</b>  |

**Application Comment**

|     |
|-----|
| N/A |
|-----|



## II. FACILITY INFORMATION

### A. GENERAL FACILITY INFORMATION

**Facility Name, Location, and Type**

|   |                                      |   |  |
|---|--------------------------------------|---|--|
| 1. Facility Owner or Operator: <b>Central Power &amp; Lime, Inc.</b>  |                                      |   |  |
| 2. Facility Name: <b>Power Plant</b>  |                                      |   |  |
| 3. Facility Identification Number:<br><b>APIS ID#: 40TPA270032</b>  |                                      |   | [ X ] Unknown                                      |
| 4. Facility Location Information:<br>Facility Street Address: <b>10311 Cement Plant Road</b><br>City: <b>Brooksville</b> County: <b>Hernando</b> Zip Code: <b>34601</b> |                                      |   |  |
| 5. Facility UTM Coordinates:<br>Zone: <b>17</b> East (km): <b>360.0</b> North (km): <b>3162.4</b>   |                                      |   |  |
| 6. Facility Latitude/Longitude: <b>See Field 5</b><br>Latitude (DD/MM/SS): Longitude (DD/MM/SS):  |                                      |   |  |
| 7. Governmental<br>Facility Code: <b>0</b>  | 8. Facility Status<br>Code: <b>A</b> | 9. Relocatable<br>Facility?<br>[ ] Yes [X] No | 10. Facility Major<br>Group SIC Code:<br><b>49</b> |
| 11. Facility Comment: <b>N/A</b>  |                                      |   |  |

**Facility Contact**

|  |  |  |
|--|--|--|
| 1. Name and Title of Facility Contact: <b>Thomas W. Mountain, Environmental Manager</b>  |  |  |
| 2. Facility Contact Mailing Address:<br>Organization/Firm: <b>Central Power &amp; Lime, Inc.</b><br>Street Address: <b>10311 Cement Plant Road</b><br>City: <b>Brooksville</b> State: <b>FL</b> Zip Code: <b>34601</b> |  |  |
| 3. Facility Contact Telephone Numbers:<br>Telephone: <b>(904) 799-7881</b> Fax: <b>(904) 796-6281</b>  |  |  |

**Facility Regulatory Classifications**

|  |
|--|
| 1. Small Business Stationary Source?<br><input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown                 |
| 2. Title V Source?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |
| 3. Synthetic Non-Title V Source?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |
| 4. Major Source of Pollutants Other than Hazardous Air Pollutants (HAPs)?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No             |
| 5. Synthetic Minor Source of Pollutants Other than HAPs?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              |
| 6. Major Source of Hazardous Air Pollutants (HAPs)?<br><input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Possible |
| 7. Synthetic Minor Source of HAPs?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |
| 8. One or More Emissions Units Subject to NSPS?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                       |
| 9. One or More Emission Units Subject to NESHAP?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                      |
| 10. Title V Source by EPA Designation?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |
| 11. Facility Regulatory Classifications Comment: N/A   |

## B. FACILITY REGULATIONS

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of federal, state, and local regulations applicable to the facility as a whole. (Regulations applicable to individual emissions units within the facility are addressed in Subsection III-B of the form.)

**Rule Applicability Analysis** (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

N/A

**List of Applicable Regulations** (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

| <b>Title V Core List</b> |  |
|--------------------------|--|
|                          |  |
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### C. FACILITY POLLUTANT INFORMATION

This subsection of the Application for Air Permit form allows for the reporting of potential and estimated emissions of selected pollutants on a facility-wide basis. It must be completed for each pollutant for which the applicant proposes to establish a facility-wide emissions cap and for each pollutant for which emissions are not reported at the emissions-unit level.

**Facility Pollutant Information:** Pollutant \_\_\_\_\_ of \_\_\_\_\_ (N/A)

|   |
|---|
| 1. Pollutant Emitted: N/A   |
| 2. Estimated Emissions: N/A <span style="float: right;">(tons/year)</span>  |
| 3. Requested Emissions Cap: N/A <span style="margin-left: 100px;">(lb/hour)</span> <span style="float: right;">(tons/year)</span> |
| 4. Basis for Emissions Cap Code: N/A  |
| 5. Facility Pollutant Comment: See PM/PM10 information within Emissions Unit Information Section.                                 |

**Facility Pollutant Information:** Pollutant \_\_\_\_\_ of \_\_\_\_\_ (N/A)

|   |
|---|
| 1. Pollutant Emitted: N/A   |
| 2. Estimated Emissions: N/A <span style="float: right;">(tons/year)</span>  |
| 3. Requested Emissions Cap: N/A <span style="margin-left: 100px;">(lb/hour)</span> <span style="float: right;">(tons/year)</span> |
| 4. Basis for Emissions Cap Code: N/A  |
| 5. Facility Pollutant Comment: N/A  |

**Facility Pollutant Information:** Pollutant \_\_\_\_\_ of \_\_\_\_\_ (N/A)

|   |
|---|
| 1. Pollutant Emitted: N/A                             |
| 2. Estimated Emissions: N/A (tons/year)               |
| 3. Requested Emissions Cap: N/A (lb/hour) (tons/year) |
| 4. Basis for Emissions Cap Code: N/A                  |
| 5. Facility Pollutant Comment: N/A                    |

**Facility Pollutant Information:** Pollutant \_\_\_\_\_ of \_\_\_\_\_ (N/A)

|   |
|---|
| 1. Pollutant Emitted: N/A                             |
| 2. Estimated Emissions: N/A (tons/year)               |
| 3. Requested Emissions Cap: N/A (lb/hour) (tons/year) |
| 4. Basis for Emissions Cap Code: N/A                  |
| 5. Facility Pollutant Comment: N/A                    |

## D. FACILITY SUPPLEMENTAL INFORMATION

This subsection of the Application for Air Permit form provides supplemental information related to the facility as a whole. (Supplemental information related to individual emissions units within the facility is provided in Subsection III-I of the form.) Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

### Supplemental Requirements for All Applications

|   |
|---|
| 1. Area Map Showing Facility Location:<br><input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested<br><b>Current information on file with FDEP</b>                                |
| 2. Facility Plot Plan:<br><input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested<br><b>Current information on file with FDEP</b>  |
| 3. Process Flow Diagram(s):<br><input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested<br><b>Current information on file with FDEP</b>   |
| 4. Precautions to Prevent Emissions of Unconfined Particulate Matter:<br><input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested<br><b>Current information on file with FDEP</b> |
| 5. Fugitive Emissions Identification:<br><input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested<br><b>Current information on file with FDEP</b>                                 |
| 6. Supplemental Information for Construction Permit Application:<br><input checked="" type="checkbox"/> Attached, Document ID: <b>Attachment 1</b> <input type="checkbox"/> Not Applicable  |

### Additional Supplemental Requirements for Category I Applications Only (N/A)

|   |
|---|
| 7. List of Insignificant Activities:<br><input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable  |
| 8. List of Equipment/Activities Regulated under Title VI:<br><br><input type="checkbox"/> Attached, Document ID: _____<br><br><input type="checkbox"/> Equipment/Activities Onsite but Not Required to be Individually Listed<br><br><input checked="" type="checkbox"/> Not Applicable |

|   |
|---|
| <p>9. Alternative Methods of Operation:<br/> <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable</p>   |
| <p>10. Alternative Modes of Operation (Emissions Trading):<br/> <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable</p>  |
| <p>11. Enhanced Monitoring Plan:<br/> <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable</p>  |
| <p>12. Risk Management Plan Verification:</p> <p><input type="checkbox"/> Plan Submitted to Implementing Agency - Verification Attached,<br/> Document ID: _____</p> <p><input type="checkbox"/> Plan to be Submitted to Implementing Agency by Required Date</p> <p><input checked="" type="checkbox"/> Not Applicable</p> |
| <p>13. Compliance Report and Plan<br/> <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable</p>   |
| <p>14. Compliance Statement (Hard-copy Required)<br/> <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable</p>  |



### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

#### A. GENERAL EMISSIONS UNIT INFORMATION

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

##### **Type of Emissions Unit Addressed in This Section**

Check one:

- [ X ] 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, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.
- [ ] This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated 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.



**Emissions Unit Information Section 1 of 1**

**Emissions Unit Control Equipment**

**A.**

|  |
|--|
| 1. Description: <b>Fabric Filter (Baghouse) - High Temperature (T &gt; 250° F)</b> |
| 2. Control Device or Method Code: <b>016</b>                                       |

**B.**

|  |
|--|
| 1. Description: <b>N/A</b>                   |
| 2. Control Device or Method Code: <b>N/A</b> |

**C.**

|  |
|--|
| 1. Description: <b>N/A</b>                   |
| 2. Control Device or Method Code: <b>N/A</b> |

**Emissions Unit Information Section 1 of 1**

**Emissions Unit Operating Capacity**

|  |   |
|--|---|
| 1. Maximum Heat Input Rate:                | 1850 mmBtu/hr   |
| 2. Maximum Incineration Rate: N/A          | lb/hr tons/day  |
| 3. Maximum Process or Throughput Rate: N/A |   |
| 4. Maximum Production Rate: N/A            |   |
| 5. Operating Capacity Comment:             | <b>Proposed power generation rate : 150 MW, net delivered</b> |

**Emissions Unit Operating Schedule**

|                                       |                  |
|---------------------------------------|------------------|
| Requested Maximum Operating Schedule: |                  |
| hours/day: 24                         | days/week: 7     |
| weeks/year: 52                        | hours/year: 8760 |

**B. EMISSIONS UNIT REGULATIONS**

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of all federal, state, and local regulations applicable to the emissions unit addressed in this Emissions Unit Information Section.

**Rule Applicability Analysis** (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

N/A



**C. EMISSION POINT (STACK/VENT) INFORMATION**

This subsection of the Application for Air Permit form provides information about the emission point associated with the emissions unit addressed in this Emissions Unit Information Section. An emission point is typically a stack or vent but can be any identifiable location at which air pollutants, including fugitive emissions, are discharged into the atmosphere.

**Emission Point Description and Type**

|   |                     |
|---|---------------------|
| 1. Identification of Point on Plot Plan or Flow Diagram: <b>Stack</b>   |                     |
| 2. Emission Point Type Code:<br><input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4  |                     |
| 3. Descriptions of Emissions Points Comprising this Emissions Unit: <b>N/A</b>  |                     |
| 4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:<br><br><b>-Cement Plant</b><br><b>-Power Plant</b>  |                     |
| 5. Discharge Type Code:<br><input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P<br><input type="checkbox"/> R <input checked="" type="checkbox"/> V <input type="checkbox"/> W |                     |
| 6. Stack Height:  | <b>320 feet</b>     |
| 7. Exit Diameter:   | <b>16 feet</b>      |
| 8. Exit Temperature:  | <b>300 °F</b>       |
| 9. Actual Volumetric Flow Rate:   | <b>840,000 acfm</b> |

**Emissions Unit Information Section 1 of 1**

|   |               |
|---|---------------|
| 10. Percent Water Vapor :   | 7.5 %         |
| 11. Maximum Dry Standard Flow Rate:   | 540,000 dscfm |
| 12. Nonstack Emission Point Height: N/A   | feet          |
| 13. Emission Point UTM Coordinates:<br>Zone:                      East (km):                      North (km): |               |
| 14. Emission Point Comment: N/A   |               |



Emissions Unit Information Section 1 of 1

**D. SEGMENT (PROCESS/FUEL) INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

**Segment Description and Rate: Segment 1 of 1**

|  |   |
|--|---|
| 1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode):<br><br><b>External Combustion Boilers: Electric Generation: Bituminous Coal</b> |   |
| 2. Source Classification Code (SCC): <b>1-01-002-99</b>  |   |
| 3. SCC Units: <b>Tons Burned</b>   |   |
| 4. Maximum Hourly Rate:<br><b>77.1 Tons Burned</b>   | 5. Maximum Annual Rate:<br><b>675,396 Tons Burned</b> |
| 6. Estimated Annual Activity Factor: <b>N/A</b>  |   |
| 7. Maximum Percent Sulfur: <b>0.75</b>   | 8. Maximum Percent Ash: <b>8.0</b>                    |
| 9. Million Btu per SCC Unit: <b>24 MMBtu/ton</b>   |   |
| 10. Segment Comment: <b>N/A</b>  |   |

**Emissions Unit Information Section 1 of 1**

**Segment Description and Rate:** Segment \_\_\_\_\_ of \_\_\_\_\_ (N/A)

|  |                             |
|--|-----------------------------|
| 1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): N/A |                             |
| 2. Source Classification Code (SCC): N/A   |                             |
| 3. SCC Units: N/A  |                             |
| 4. Maximum Hourly Rate: N/A  | 5. Maximum Annual Rate: N/A |
| 6. Estimated Annual Activity Factor: N/A   |                             |
| 7. Maximum Percent Sulfur: N/A   | 8. Maximum Percent Ash: N/A |
| 9. Million Btu per SCC Unit: N/A   |                             |
| 10. Segment Comment: N/A   |                             |

**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 1 of 2**

|  |                     |                        |
|--|---------------------|------------------------|
| 1. Pollutant Emitted: <b>PM</b>  |                     |                        |
| 2. Total Percent Efficiency of Control:  | <b>99.4 %</b>       |                        |
| 3. Primary Control Device Code: <b>016</b>   |                     |                        |
| 4. Secondary Control Device Code: <b>N/A</b>   |                     |                        |
| 5. Potential Emissions:  | <b>37.0 lb/hour</b> | <b>162.1 tons/year</b> |
| 6. Synthetically Limited?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |                     |                        |
| 7. Range of Estimated Fugitive/Other Emissions: <b>N/A</b><br><input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year   |                     |                        |
| 8. Emission Factor: <b>0.02 lb/MMBtu</b><br>Reference: <b>BACT</b>   |                     |                        |
| 9. Emissions Method Code:<br><input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5 |                     |                        |
| 10. Calculation of Emissions:<br><br>0.02 lb/MMBtu X 1850 MMBtu/hr = <b>37.0 lb/hr</b><br><br>37.0 lb/hr X 8760 hpy X 1 ton/2000 lb = <b>162.1 tpy</b>                         |                     |                        |
| 11. Pollutant Potential/Estimated Emissions Comment: <b>N/A</b>  |                     |                        |

**Emissions Unit Information Section 1 of 1**

**Allowable Emissions** (Pollutant identified on front of page)

**A.**

|   |                     |                        |
|---|---------------------|------------------------|
| 1. Basis for Allowable Emissions Code: <b>RULE (BACT for PSD)</b>                             |                     |                        |
| 2. Future Effective Date of Allowable Emissions: <b>N/A</b>                                   |                     |                        |
| 3. Requested Allowable Emissions and Units: <b>0.02 lb/MMBtu</b>                              |                     |                        |
| 4. Equivalent Allowable Emissions:  | <b>37.0 lb/hour</b> | <b>162.1 tons/year</b> |
| 5. Method of Compliance: <b>EPA Method 5</b>  |                     |                        |
| 6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): <b>N/A</b> |                     |                        |

**B.**

|   |              |                  |
|---|--------------|------------------|
| 1. Basis for Allowable Emissions Code: <b>N/A</b>   |              |                  |
| 2. Future Effective Date of Allowable Emissions: <b>N/A</b>                                   |              |                  |
| 3. Requested Allowable Emissions and Units: <b>N/A</b>  |              |                  |
| 4. Equivalent Allowable Emissions: <b>N/A</b>   | <b>lb/hr</b> | <b>tons/year</b> |
| 5. Method of Compliance: <b>N/A</b>   |              |                  |
| 6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): <b>N/A</b> |              |                  |

**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 2 of 2**

|  |                     |                        |
|--|---------------------|------------------------|
| 1. Pollutant Emitted: <b>PM10</b>  |                     |                        |
| 2. Total Percent Efficiency of Control: <b>N/A</b>   |                     | %                      |
| 3. Primary Control Device Code: <b>016</b>   |                     |                        |
| 4. Secondary Control Device Code: <b>N/A</b>   |                     |                        |
| 5. Potential Emissions:  | <b>37.0 lb/hour</b> | <b>162.1 tons/year</b> |
| 6. Synthetically Limited?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |                     |                        |
| 7. Range of Estimated Fugitive/Other Emissions: <b>N/A</b><br><input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year   |                     |                        |
| 8. Emission Factor: <b>0.02 lb/MMBtu</b><br>Reference: <b>BACT</b>   |                     |                        |
| 9. Emissions Method Code:<br><input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5 |                     |                        |
| 10. Calculation of Emissions:<br><br>0.02 lb/MMBtu X 1850 MMBtu/hr = <b>37.0 lb/hr</b><br><br>37.0 lb/hr X 8760 hpy X 1 ton/2000 lb = <b>162.1 tpy</b>                         |                     |                        |
| 11. Pollutant Potential/Estimated Emissions Comment: <b>N/A</b>  |                     |                        |

**Emissions Unit Information Section 1 of 1**

**Allowable Emissions** (Pollutant identified on front of page)

**A.**

|   |                     |                        |
|---|---------------------|------------------------|
| 1. Basis for Allowable Emissions Code: <b>RULE (BACT for PSD)</b>   |                     |                        |
| 2. Future Effective Date of Allowable Emissions: <b>N/A</b>   |                     |                        |
| 3. Requested Allowable Emissions and Units: <b>0.02 lb/MMBtu</b>  |                     |                        |
| 4. Equivalent Allowable Emissions:  | <b>37.0 lb/hour</b> | <b>162.1 tons/year</b> |
| 5. Method of Compliance: <b>EPA Method 5</b>  |                     |                        |
| 6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):<br><br><b>PM10 assumed as equal to PM.</b> |                     |                        |

**B.**

|   |              |                  |
|---|--------------|------------------|
| 1. Basis for Allowable Emissions Code: <b>N/A</b>   |              |                  |
| 2. Future Effective Date of Allowable Emissions: <b>N/A</b>                                   |              |                  |
| 3. Requested Allowable Emissions and Units: <b>N/A</b>  |              |                  |
| 4. Equivalent Allowable Emissions: <b>N/A</b>   | <b>lb/hr</b> | <b>tons/year</b> |
| 5. Method of Compliance: <b>N/A</b>   |              |                  |
| 6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): <b>N/A</b> |              |                  |

**F. VISIBLE EMISSIONS INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are subject to a visible emissions limitation. The intent of this subsection of the form is to identify each activity associated with the emissions unit addressed in this section for which a separate opacity limitation would be applicable. Visible emission subtype codes for each such activity are listed in the instructions for Field 1. Most emissions units will be subject to a "subtype VE" limit only.

**Visible Emissions Limitation: Visible Emissions Limitation 1 of 1**

|  |             |  |                                |
|--|-------------|--|--------------------------------|
| 1. Visible Emissions Subtype: <b>VE</b>      |             |  |                                |
| 2. Basis for Allowable Opacity:              |             | <input checked="" type="checkbox"/> Rule | <input type="checkbox"/> Other |
| <b>Rule 62-296.405(1)(a) FAC</b>             |             |  |                                |
| 3. Requested Allowable Opacity:              |             |  |                                |
| Normal Conditions:                           | <b>20 %</b> | Exceptional Conditions:                  | <b>27 %</b>                    |
| Maximum Period of Excess Opacity Allowed:    |             |  | <b>6 min/hour</b>              |
| 4. Method of Compliance: <b>EPA Method 9</b> |             |  |                                |
| 5. Visible Emissions Comment: <b>N/A</b>     |             |  |                                |







Emissions Unit Information Section 1 of 1

**Continuous Monitoring System:** Continuous Monitor \_\_\_\_ of \_\_\_\_ (N/A)

|   |
|---|
| 1. Parameter Code: N/A  |
| 2. CMS Requirement: N/A <input type="checkbox"/> Rule <input type="checkbox"/> Other                                |
| 3. Monitor Information: N/A<br>Manufacturer: _____<br>Model Number: _____                      Serial Number: _____ |
| 4. Installation Date (DD-MON-YYYY): N/A   |
| 5. Performance Specification Test Date (DD-MON-YYYY): N/A   |
| 6. Continuous Monitor Comment: N/A  |

**Continuous Monitoring System:** Continuous Monitor \_\_\_\_ of \_\_\_\_ (N/A)

|   |
|---|
| 1. Parameter Code: N/A  |
| 2. CMS Requirement: N/A <input type="checkbox"/> Rule <input type="checkbox"/> Other                                |
| 3. Monitor Information: N/A<br>Manufacturer: _____<br>Model Number: _____                      Serial Number: _____ |
| 4. Installation Date (DD-MON-YYYY): N/A   |
| 5. Performance Specification Test Date (DD-MON-YYYY): N/A   |
| 6. Continuous Monitor Comment: N/A  |

## H. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION

This subsection of the Application for Air Permit form must be completed for all applications, not just those undergoing prevention-of-significant-deterioration (PSD) review pursuant to Rule 62-212.400, F.A.C. The intent of this subsection is to make a preliminary determination as to whether the emissions unit addressed in this Emissions Unit Information Section consumes PSD increment. PSD increment is consumed (or expanded) as a result of emission increases (decreases) occurring after pollutant-specific baseline dates. Pollutants for which baseline dates have been established are sulfur dioxide, particulate matter, and nitrogen dioxide.

### PSD Increment Consumption Determination

#### 1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

- [ X ] The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.
- [ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.
- [ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.
- [ ] For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.
- [ ] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

Emissions Unit Information Section 1 of 1

2. Increment Consuming for Nitrogen Dioxide?

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

- The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.
- The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
- The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
- For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
- None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

|   |                                       |                            |   |
|---|---------------------------------------|----------------------------|---|
| <b>3. Increment Consuming/Expanding Code:</b>                               |                                       |                            |   |
| PM  | <input checked="" type="checkbox"/> C | <input type="checkbox"/> E | <input type="checkbox"/> Unknown            |
| SO2   | <input checked="" type="checkbox"/> C | <input type="checkbox"/> E | <input type="checkbox"/> Unknown            |
| NO2   | <input type="checkbox"/> C            | <input type="checkbox"/> E | <input checked="" type="checkbox"/> Unknown |
| <b>4. Baseline Emissions:</b>   |                                       |                            |   |
| PM  | 37 lb/hour                            | 162.1 tons/year            |   |
| SO2   | 770 lb/hour                           | 3372.6 tons/year           |   |
| NO2   |                                       | 3705.5 tons/year           |   |
| <b>5. PSD Comment: Above emissions are for power plant operating alone.</b> |                                       |                            |   |

**I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION**

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

**Supplemental Requirements for All Applications**

|   |
|---|
| <p>1. Process Flow Diagram<br/> <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested<br/> <b>Current information on file with FDEP</b></p>                      |
| <p>2. Fuel Analysis or Specification<br/> <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested<br/> <b>Current information on file with FDEP</b></p>            |
| <p>3. Detailed Description of Control Equipment<br/> <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested<br/> <b>Current information on file with FDEP</b></p> |
| <p>4. Description of Stack Sampling Facilities<br/> <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested<br/> <b>Current information on file with FDEP</b></p>  |
| <p>5. Compliance Test Report<br/> <input type="checkbox"/> Attached, Document ID: _____<br/><br/> <input type="checkbox"/> Previously submitted, Date: _____<br/><br/> <input checked="" type="checkbox"/> Not Applicable</p>                                 |
| <p>6. Procedures for Startup and Shutdown<br/> <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable</p>   |
| <p>7. Operation and Maintenance Plan<br/> <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable</p>  |
| <p>8. Supplemental Information for Construction Permit Application<br/> <input checked="" type="checkbox"/> Attached, Document ID: <b>Attachment 1</b> <input type="checkbox"/> Not Applicable</p>  |
| <p>9. Other Information Required by Rule or Statute<br/> <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable</p>   |

Emissions Unit Information Section 1 of 1

**Additional Supplemental Requirements for Category I Applications Only (N/A)**

|  |
|--|
| 10. Alternative Methods of Operation<br><input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable   |
| 11. Alternative Modes of Operation (Emissions Trading)<br><input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable   |
| 12. Enhanced Monitoring Plan<br><input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable   |
| 13. Identification of Additional Applicable Requirements<br><input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable   |
| 14. Acid Rain Application (Hard-copy Required)<br><br><input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))<br>Attached, Document ID: _____<br><br><input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)<br>Attached, Document ID: _____<br><br><input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.)<br>Attached, Document ID: _____<br><br><input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)<br>Attached, Document ID: _____<br><br><input checked="" type="checkbox"/> Not Applicable |

## ATTACHMENT 1

### SUPPLEMENTAL INFORMATION FOR PSD REVIEW

CENTRAL POWER & LIME, INC.  
HERNANDO COUNTY, FLORIDA

The aspects discussed below need to be addressed under PSD review for the particulate matter emissions from the proposed project, in accordance with Rule 62-212.400, FAC.

#### 1.0 BEST AVAILABLE CONTROL TECHNOLOGY (BACT) ANALYSIS

A particulate matter emission limit of 0.02 pound per MMBtu heat input is proposed as BACT for the power plant when operating alone. This emission limit corresponds to the presently permitted maximum allowable mass emission rate of 37.0 pounds per hour at 1850 MMBtu per hour heat input. The existing baghouse reflects the best available control equipment for particulate matter. It should be noted that the currently permitted maximum allowable particulate matter emission limit for the combined operation of the power plant and the cement plant will remain unchanged at 86.5 lbs/hr; 37.0 lbs/hr from the power plant and 49.5 lbs/hr from the cement plant.

The proposed BACT limit is more stringent than the current BACT limit of 0.03 lb/MMBtu. The proposed limit is also in line with control requirements imposed on other existing and pre-NSPS coal fired power plants using a baghouse for control of particulate matter. As another point of comparison, the proposed BACT limit corresponds to a particulate matter concentration of less than 0.01 gr/dscf. Installation of additional or alternate control equipment at this existing facility is considered neither practical nor necessary.

#### 2.0 AMBIENT IMPACT ANALYSIS

An extensive ambient air quality review was conducted for particulate matter when the power plant was originally permitted. Given that the maximum allowable emission rate will not change (37.0 lbs/hr from the power plant and 86.5 lbs/hr from the power and cement plants), an ambient air analysis at this time would simply indicate a zero net impact based on identical negative (current) and positive (proposed) modeling input. Consequently, additional air quality analysis is not required.

#### 3.0 ADDITIONAL IMPACT ANALYSES

There will be no change in the operation of the power plant or in the allowable particulate matter emissions as a result of this request. Therefore, additional impact analyses are not required.

### 3.1 Impairment to Visibility, Soils, Vegetation

There will be no change in the allowable particulate matter emissions as a result of this request. Therefore, additional analyses are not required.

### 3.2 Growth Related Impacts

There will be no change in the operation of the power plant or in the manpower requirements as a result of this request. Therefore, no growth related impacts are expected.

### 3.3 Impairment to Visibility

There will be no change in the allowable particulate matter emissions as a result of this request. Therefore, additional analyses are not required.

### 3.4 Air Quality Related Values Analysis

There will be no change in the allowable particulate matter emissions as a result of this request. Therefore, an AQRV analysis is not required.

## 4.0 GOOD ENGINEERING PRACTICE STACK HEIGHT ANALYSIS

As there will be no change in the power plant stack as a result of this request, the GEP stack height evaluation originally reviewed and approved by FDEP remains valid. Consequently, no additional analysis is required.