

SEMINOLE GENERATING STATION

TITLE V AIR OPERATION PERMIT

REVISION APPLICATION

Submitted by:



Prepared by:



ECT No. 050060-0100

January 2005



January 12, 2005

RECEIVED

JAN 21 2005

Mr. Jim Pennington, P.E.
Professional Engineer Administrator
Air Permitting North Section
Florida Department of Environmental Protection
111 South Magnolia Drive, Suite 4
Tallahassee, FL 32301

BUREAU OF AIR REGULATION

Re: Seminole Generating Station
Title V Permit No. 1070025-002-AV
Request for Permit Revision – Removal of Ambient Monitoring Requirements

Dear Mr. Pennington:

Seminole Electric Cooperative, Inc. (SECI) operates an electrical generating facility located in Palatka, Putnam County, Florida. Operation of the Seminole Generating Station (SGS) emission units is currently authorized by Title V Air Operation Permit Renewal FINAL Permit Project No. 1070025-002-AV.

Conditions A.72 and A.73 of FINAL Permit Project No. 1070025-002-AV require ambient air monitoring and data reporting for total suspended particulate matter (TSP) and sulfur dioxide (SO₂). These ambient air monitoring requirements are also included in the SGS Power Plant Siting Act (PPSA) Conditions of Certification; reference PA 78-10, Conditions I.B.2., I.B.5., and I.D.2.

Pursuant to prior discussions with the Department, SECI requests that these requirements for ambient air quality monitoring be removed from the SGS Title V air operation permit. As requested by the Department, four copies of an application for revisions to the SGS Title V operation permit, using the current version of DEP Form No. 62-210.900(1), *Application for Air Permit – Long Form*, are enclosed for your review. Following revisions to the Title V permit, it is our understanding that the SGS PPSA Conditions of Certification will be automatically revised to conform to the revised Title permit conditions.

Please contact Mike Roddy at (813) 739-1224 if you have any questions regarding this Title V permit revision request.

Sincerely,

Michael P. Opalinski
Vice President of Technical Services and Responsible Official

Enclosures

cc: Mr. Buck Oven
Administrator, Siting Coordination Office

INTRODUCTION

Seminole Electric Cooperative, Inc. (SECI), operates two solid fuel-fired steam boilers (Emission Units ID Nos. 001 and 002) at its Seminole Generating Station (SGS) located in Palatka, Putnam County, Florida. In addition to the two solid fuel-fired boilers, SGS emissions sources include solid fuel (coal and petroleum coke), limestone, and flue gas desulfurization (FGD) sludge handling and storage activities. Operation of the SGS emissions units is currently authorized by Title V Air Operation Permit Renewal FINAL Permit Project No. 1070025-002-AV. FINAL Permit Project No. 1070025-002-AV was issued with an effective date of January 1, 2005, and expires on December 31, 2009.

Conditions A.72 and A.73 of FINAL Permit Project No. 1070025-002-AV require ambient air monitoring and data reporting for total suspended particulate matter (TSP) and sulfur dioxide (SO₂). These ambient air monitoring requirements are also included in the SGS Power Plant Siting Act (PPSA) Conditions of Certification; reference PA 78-10, Conditions I.B.2., I.B.5., and I.D.2. The Prevention of Significant Deterioration (PSD) air construction permit PSD-FL-018, issued by EPA in August 1979, does *not* contain any requirements for ambient air quality monitoring.

Pursuant to prior discussions with the Florida Department of Environmental Protection (FDEP), SECI requests that the requirements for ambient air quality monitoring be removed from the SGS Title V air operation permit. As requested by FDEP, an application for revisions to the SGS Title V operation permit, using the current version of DEP Form No. 62-210.900(1), Application for Air Permit—Long Form, follows this introduction. Following revisions to the Title V permit, it is our understanding that the SGS PPSA Conditions of Certification will be automatically revised to conform to the revised Title V permit conditions.



Department of Environmental Protection

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Division of Air Resource Management

APPLICATION FOR AIR PERMIT - LONG FORM

BUREAU OF AIR REGULATION

I. APPLICATION INFORMATION

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

Identification of Facility

1. Facility Owner/Company Name: Seminole Electric Cooperative, Inc.	
2. Site Name: Seminole Generating Station	
3. Facility Identification Number: 1070025	
4. Facility Location...: Street Address or Other Locator: 890 North U.S. Highway 17 City: Palatka County: Putnam Zip Code: 32177-8647	
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: Mike Roddy, Senior Environmental Engineer	
2. Application Contact Mailing Address... Organization/Firm: Seminole Electric Cooperative, Inc. Street Address: P.O. Box 272000 City: Tampa State: FL Zip Code: 33688-2000	
3. Application Contact Telephone Numbers... Telephone: (813) 963-0994 ext. 1224 Fax: (813) 264-7906	
4. Application Contact Email Address: rmroddy@seminole-electric.com	

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	1-24-05
2. Project Number(s):	1070025-003-AV
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.

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

Conditions A.72 and A.73 of FINAL Permit Project No. 1070025-002-AV require ambient air monitoring and data reporting for total suspended particulate matter (TSP) and sulfur dioxide (SO₂). Pursuant to prior discussions with the Department, Seminole Electric Cooperative, Inc. (SECI) requests that these requirements for ambient air quality monitoring be removed from the Seminole Generating Station (SGS) Title V air operation permit. No other revisions to FINAL Permit Project No. 1070025-002-AV are requested.

APPLICATION INFORMATION

Scope of Application

Emissions Unit ID Number	Description of Emissions Unit	Air Permit Type	Air Permit Proc. Fee
001	Steam Generator No. 1	N/A	N/A
002	Steam Generator No. 2	N/A	N/A
003	Reserved	N/A	N/A
004	Coal Storage Yard	N/A	N/A
005	Limestone and Effluent Processing (FGD Sludge Handling and Storage)	N/A	N/A

Application Processing Fee

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

APPLICATION INFORMATION

Owner/Authorized Representative Statement **N/A**

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, 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.

Signature

Date

APPLICATION INFORMATION

Application Responsible Official Certification

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

1. Application Responsible Official Name: Michael Opalinski, Vice President of Technical Services
2. Application Responsible Official Qualification (Check one or more of the following options, as applicable): <input checked="" type="checkbox"/> For a corporation, the president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit under Chapter 62-213, F.A.C. <input type="checkbox"/> For a partnership or sole proprietorship, a general partner or the proprietor, respectively. <input type="checkbox"/> For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official. <input checked="" type="checkbox"/> The designated representative at an Acid Rain source.
3. Application Responsible Official Mailing Address... Organization/Firm: Seminole Electric Cooperative, Inc. Street Address: P.O. Box 272000 City: Tampa State: FL Zip Code: 33688-2000
4. Application Responsible Official Telephone Numbers... Telephone: (813) 963-0994 ext. 1233 Fax: (813) 264-7906
5. Application Responsible Official Email Address: mopalinski@seminole-electric.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 _____ Date

APPLICATION INFORMATION
Professional Engineer Certification

1. Professional Engineer Name: **Thomas W. Davis**

Registration Number: **36777**

2. Professional Engineer Mailing Address...

Organization/Firm: **Environmental Consulting & Engineering, Inc.**

Street Address: **3701 Northwest 98th Street**

City: **Gainesville**

State: **Florida**

Zip Code: **32606**

3. Professional Engineer Telephone Numbers...

Telephone: **(352) 332-0444**

ext.

Fax: **(352) 332-6722**

4. Professional Engineer Email Address: **tdavis@ectinc.com**

5. Professional Engineer Statement:

I, the undersigned, hereby certify, except as particularly noted herein, that:*

(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

(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.

(3) If the purpose of this application is to obtain a Title V air operation permit (check here ☒, 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.

(4) If the purpose of this application is to obtain an air construction permit (check here ☐, 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 ☐, 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.

(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 ☐, 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.

Signature
(seal)

Date

1/11/05

Attach any exception to certification statement.

APPLICATION INFORMATION

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1. Facility UTM Coordinates...		2. Facility Latitude/Longitude...	
Zone 17	East (km) 438.8 North (km) 3,289.2	Latitude (DD/MM/SS) Longitude (DD/MM/SS)	
3. Governmental Facility Code: 0	4. Facility Status Code: A	5. Facility Major Group SIC Code: 49	6. Facility SIC(s): 4911
7. Facility Comment :			

Facility Contact

1. Facility Contact Name: Brenda A. Shriver, Environmental Compliance Engineer		
2. Facility Contact Mailing Address...		
Organization/Firm: Seminole Electric Cooperative, Inc.		
Street Address: 890 North U.S. Highway 17		
City: Palatka	State: FL	Zip Code: 32177-8647
3. Facility Contact Telephone Numbers:		
Telephone: (386) 328-9255	ext.	Fax: (386) 328-5571
4. Facility Contact Email Address: <u>bshriver@seminole-electric.com</u>		

Facility Primary Responsible Official N/A

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 Email Address:		

APPLICATION 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 checked="" 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 Part 60)	
9.	<input type="checkbox"/> One or More Emissions Units Subject to Emission Guidelines (40 CFR Part 60)	
10.	<input type="checkbox"/> One or More Emissions Units Subject to NESHAP (40 CFR Part 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: Facility applicable regulations previously submitted with the SGS Title V Permit renewal application; reference Application Number 478-1 submitted on July 2, 2004.	

APPLICATION INFORMATION**B. EMISSIONS CAPS N/A****Facility-Wide or Multi-Unit Emissions Caps**

1. Pollutant Subject to Emissions Cap	2. Facility Wide Cap [Y or N]? (all units)	3. Emissions Unit ID No.s Under Cap (if not all units)	4. Hourly Cap (lb/hr)	5. Annual Cap (ton/yr)	6. Basis for Emissions Cap

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

APPLICATION 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 type="checkbox"/> Attached, Document ID:____ <input checked="" 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 type="checkbox"/> Attached, Document ID:____ <input checked="" 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 type="checkbox"/> Attached, Document ID:____ <input checked="" type="checkbox"/> Previously Submitted, Date:____

Additional Requirements for Air Construction Permit Applications N/A

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 or Modification: <input type="checkbox"/> Attached, Document ID:____ <input type="checkbox"/> Not Applicable
3. Rule Applicability Analysis: <input type="checkbox"/> Attached, Document ID:____
4. List of Exempt Emissions Units (Rule 62-210.300(3)(a) or (b)1., F.A.C.): <input type="checkbox"/> Attached, Document ID:____ <input type="checkbox"/> Not Applicable (no exempt units at facility)
5. Fugitive Emissions Identification (Rule 62-212.400(2), F.A.C.): <input type="checkbox"/> Attached, Document ID:____ <input type="checkbox"/> Not Applicable
6. Preconstruction Air Quality Monitoring and Analysis (Rule 62-212.400(5)(f), F.A.C.): <input type="checkbox"/> Attached, Document ID:____ <input type="checkbox"/> Not Applicable
7. Ambient Impact Analysis (Rule 62-212.400(5)(d), F.A.C.): <input type="checkbox"/> Attached, Document ID:____ <input type="checkbox"/> Not Applicable
8. Air Quality Impact since 1977 (Rule 62-212.400(5)(h)5., F.A.C.): <input type="checkbox"/> Attached, Document ID:____ <input type="checkbox"/> Not Applicable
9. Additional Impact Analyses (Rules 62-212.400(5)(e)1. 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

APPLICATION INFORMATION

Additional Requirements for FESOP Applications N/A

- | |
|--|
| 1. List of Exempt Emissions Units (Rule 62-210.300(3)(a) or (b)1., F.A.C.):
<input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> 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):
<input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable (revision application) |
| 2. Identification of Applicable Requirements (Required for initial/renewal applications, and for revision applications if this information would be changed as a result of the revision being sought):
<input type="checkbox"/> Attached, Document ID: _____
<input checked="" type="checkbox"/> Not Applicable (revision application with no change in applicable requirements) |
| 3. Compliance Report and Plan (Required for all initial/revision/renewal applications):
<input type="checkbox"/> Attached, Document ID: _____
Note: A compliance plan must be submitted for each emissions unit that is not in compliance with all applicable requirements at the time of application and/or at any time during application processing. The department must be notified of any changes in compliance status during application processing. |
| 4. List of Equipment/Activities Regulated under Title VI (If applicable, required for initial/renewal applications only):
<input type="checkbox"/> Attached, Document ID: _____
<input type="checkbox"/> Equipment/Activities On site but Not Required to be Individually Listed
<input checked="" type="checkbox"/> Not Applicable |
| 5. Verification of Risk Management Plan Submission to EPA (If applicable, required for initial/renewal applications only) :
<input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable |
| 6. Requested Changes to Current Title V Air Operation Permit:
<input checked="" type="checkbox"/> Attached, Document ID: See comment below <input type="checkbox"/> Not Applicable |

Additional Requirements Comment

Conditions A.72 and A.73 of FINAL Permit Project No. 1070025-002-AV require ambient air monitoring and data reporting for total suspended particulate matter (TSP) and sulfur dioxide (SO₂). Pursuant to prior discussions with the Department, Seminole Electric Cooperative, Inc. (SECI) requests that these requirements for ambient air quality monitoring be removed from the Seminole Generating Station (SGS) Title V air operation permit. No other revisions to FINAL Permit Project No. 1070025-002-AV are requested.

The information requested in Section C. can be found in the SGS Title V permit renewal application; reference Application Number 478-1 submitted on July 2, 2004.

EMISSIONS UNIT INFORMATION

Section [1] of [4]

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:
Steam Electric Generator No. 1

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

4. Emissions
Unit Status
Code:
A

5. Commence
Construction
Date:

6. Initial
Startup
Date:

7. Emissions Unit
Major Group
SIC Code:
49

8. Acid Rain Unit?
☒ Yes
☐ No

9. Package Unit:
Manufacturer:

Model Number:

10. Generator Nameplate Rating: **714 MW**

11. Emissions Unit Comment:

EMISSIONS UNIT INFORMATION

Section [1] of [4]

Emissions Unit Control Equipment

1. Control Equipment/Method(s) Description:

Electrostatic Precipitator (ESP) - PM/PM₁₀

Wet Limestone Slurry Scrubbing Flue Gas Desulfurization (FGD) - SO₂

Modified Furnace/Burner Design - NO_x

Low Excess-Air Firing - NO_x

2. Control Device or Method Code(s): **010, 067, 024, 029**

Section [1] of [4]

(Optional for unregulated emissions units.)

1. Maximum Process or Throughput Rate:		
2. Maximum Production Rate:		
3. Maximum Heat Input Rate:	7,172 million Btu/hr	
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:		

EMISSIONS UNIT INFORMATION

Section [1] of [4]

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: U-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: 695 feet	7. Exit Diameter: 26.5 feet
8. Exit Temperature: 128 °F	9. Actual Volumetric Flow Rate: 1,987,064 acfm	10. Water Vapor: %
11. Maximum Dry Standard Flow Rate: 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 [4]

D. SEGMENT (PROCESS/FUEL) INFORMATION**Segment Description and Rate: Segment 1 of 4**

1. Segment Description (Process/Fuel Type): Coal burned in Unit No. 1.		
2. Source Classification Code (SCC): 1-01-002-02		3. SCC Units: Tons Burned
4. Maximum Hourly Rate: 326	5. Maximum Annual Rate: 2,855,760	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 3.3	8. Maximum % Ash: 11	9. Million Btu per SCC Unit: 22
10. Segment Comment: Coal sulfur content is 3.0 weight percent, monthly average. Maximum hourly and annual rates are based on a nominal heating value of 11,000 Btu/lb (as-received basis) and maximum heat input of 7,172 mmBtu/hr.		

Segment Description and Rate: Segment 2 of 4

1. Segment Description (Process/Fuel Type): No. 2 fuel oil burned in Unit No. 1.		
2. Source Classification Code (SCC): 1-01-005-01		3. SCC Units: 1,000 Gallons Burned
4. Maximum Hourly Rate: 3.32	5. Maximum Annual Rate: 1,664.2	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 0.5	8. Maximum % Ash: 0.1	9. Million Btu per SCC Unit: 136
10. Segment Comment: No. 2 fuel oil is used for startups, flame stabilization, emergency reserve capacity during statewide energy shortages, and limited supplemental load.		

EMISSIONS UNIT INFORMATION

Section [1] of [4]

D. SEGMENT (PROCESS/FUEL) INFORMATION (CONTINUED)**Segment Description and Rate: Segment 3 of 4**

1. Segment Description (Process/Fuel Type): Petroleum coke burned in Unit No. 1 (part of coal/petcoke blend).		
2. Source Classification Code (SCC): 1-01-008-01		3. SCC Units: Tons Burned
4. Maximum Hourly Rate: 93	5. Maximum Annual Rate: 814,680	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 7.0	8. Maximum % Ash: 1.0	9. Million Btu per SCC Unit: 26
10. Segment Comment: Maximum petcoke composition of coal/petcoke blend is 30 percent by weight.		

Segment Description and Rate: Segment 4 of 4

1. Segment Description (Process/Fuel Type): On-specification used oil burned in Unit No. 1		
2. Source Classification Code (SCC): 1-01-013-02		3. SCC Units: 1,000 Gallons Burned
4. Maximum Hourly Rate: 3.3	5. Maximum Annual Rate: 500	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 0.5	8. Maximum % Ash: 0.1	9. Million Btu per SCC Unit: 142
10. Segment Comment: On-specification used oil maximum levels: arsenic - 5 ppm, cadmium - 2 ppm, chromium - 10 ppm, lead - 100 ppm, total halogens - 1,000 ppm, flash point - 100°F, and PCBs less than 50 ppm.		

EMISSIONS UNIT INFORMATION

Section [1] of [4]

E. EMISSIONS UNIT POLLUTANTS**List of Pollutants Emitted by Emissions Unit**

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
1 - NOX	024 (Modified furnace/burner design)	029 (Low Excess-Air Firing)	EL
2 - CO			NS
3 - PM	010 (ESP)		EL
4 - PM10	010 (ESP)		NS
5 - SO2	067 (FGD)		EL
6 - VOC			NS
7 - H106 (HCl)			NS
8 - H107 (HF)			NS
9 - HAPS			NS

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL/ESTIMATED FUGITIVE EMISSIONS

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

Complete 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 permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1. Pollutant Emitted:		2. Total Percent Efficiency of Control:	
3. Potential Emissions: lb/hour tons/year		4. Synthetically Limited? <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor: Reference:		7. Emissions Method Code:	
8. Calculation of Emissions:			
9. Pollutant Potential/Estimated Fugitive Emissions Comment: SECI is not requesting any revisions to currently authorized emission limits as specified in Title V Air Operation Permit FINAL Permit Project No. 1070025-002-AV. The information requested by Section F1 regarding allowable emissions for Unit No. 1 can be found in Title V Air Operation Permit FINAL Permit Project No. 1070025-002-AV.			

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

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

Allowable Emissions Allowable Emissions ____ of ____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method): SECI is not requesting any revisions to currently authorized emission limits as specified in Title V Air Operation Permit FINAL Permit Project No. 1070025-002-AV The information requested by Section F2 regarding allowable emissions for Unit No. 1 can be found in Title V Air Operation Permit FINAL Permit Project No. 1070025-002-AV.	

Allowable Emissions Allowable Emissions ____ of ____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

Allowable Emissions Allowable Emissions ____ of ____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

EMISSIONS UNIT INFORMATION

Section [1] of [4]

G. VISIBLE EMISSIONS INFORMATION

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

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: SECI is not requesting any revisions to currently authorized visible emission limits as specified in Title V Air Operation Permit FINAL Permit Project No. 1070025-002-AV. The information requested by Section G regarding visible emissions for Unit No. 1 can be found in Title V Air Operation Permit FINAL Permit Project No. 1070025-002-AV.	

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 [4]

H. CONTINUOUS MONITOR INFORMATION

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

Continuous Monitoring System: Continuous Monitor ___ of ___

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment: Information regarding Unit No. 1 CEMS remains unchanged from the data previously provided to the Department.	

Continuous Monitoring System: Continuous Monitor ___ of ___

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

EMISSIONS UNIT INFORMATION

Section [1] of [4]

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 type="checkbox"/> Attached, Document ID: ____ <input checked="" 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 type="checkbox"/> Attached, Document ID: ____ <input checked="" 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 type="checkbox"/> Attached, Document ID: ____ <input checked="" type="checkbox"/> Previously Submitted, Date ____
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 type="checkbox"/> Attached, Document ID: ____ <input checked="" 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 type="checkbox"/> Previously Submitted, Date: ____ Test Date(s)/Pollutant(s) Tested: ____ <input type="checkbox"/> To be Submitted, Date (if known): ____ Test Date(s)/Pollutant(s) Tested: ____ <input checked="" 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 [4]

Additional Requirements for Air Construction Permit Applications N/A

1. Control Technology Review and Analysis (Rules 62-212.400(6) 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 (Rule 62-212.400(5)(h)6., F.A.C., and Rule 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 type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Not Applicable
2. Compliance Assurance Monitoring <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Not Applicable
3. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Not Applicable
4. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Not Applicable
5. Acid Rain Part Application <input type="checkbox"/> Certificate of Representation (EPA Form No. 7610-1) <input type="checkbox"/> Copy Attached, Document ID: ____ <input type="checkbox"/> Acid Rain Part (Form No. 62-210.900(1)(a)) <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Previously Submitted, Date: ____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Previously Submitted, Date: ____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Previously Submitted, Date: ____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Previously Submitted, Date: ____ <input type="checkbox"/> Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Previously Submitted, Date: ____ <input type="checkbox"/> Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Previously Submitted, Date: ____ <input type="checkbox"/> Not Applicable

EMISSIONS UNIT INFORMATION

Section [1] of [4]

Additional Requirements Comment

The request for deletion of ambient air quality monitoring requirements does not change prior submittals with respect to process flow diagrams, fuel analyses, startup/shutdown procedures, etc. The information requested in Section I. can be found in the SGS Title V Permit renewal application; reference Application Number 478-1 submitted on July 2, 2004.

EMISSIONS UNIT INFORMATION

Section [2] of [4]

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.

3. Description of Emissions Unit Addressed in this Section:
Steam Electric Generator No. 2

3. Emissions Unit Identification Number: **002**

4. Emissions
Unit Status
Code:
A

5. Commence
Construction
Date:

6. Initial
Startup
Date:

7. Emissions Unit
Major Group
SIC Code:
49

8. Acid Rain Unit?
☒ Yes
☐ No

9. Package Unit:

Manufacturer:

Model Number:

10. Generator Nameplate Rating: **714 MW**

11. Emissions Unit Comment:

EMISSIONS UNIT INFORMATION

Section [2] of [4]

Emissions Unit Control Equipment

1. Control Equipment/Method(s) Description:

Electrostatic Precipitator (ESP) - PM/PM₁₀

Wet Limestone Slurry Scrubbing Flue Gas Desulfurization (FGD) - SO₂

Modified Furnace/Burner Design - NO_x

Low Excess-Air Firing - NO_x

2. Control Device or Method Code(s): **010, 067, 024, 029**

Section [2] of [4]

(Optional for unregulated emissions units.)

1. Maximum Process or Throughput Rate:		
2. Maximum Production Rate:		
3. Maximum Heat Input Rate:	7,172 million Btu/hr	
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:		

EMISSIONS UNIT INFORMATION

Section [2] of [4]

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: U-002		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: 695 feet	
		7. Exit Diameter: 26.5 feet	
8. Exit Temperature: 128 °F		9. Actual Volumetric Flow Rate: 1,987,064 acfm	
		10. Water Vapor: %	
11. Maximum Dry Standard Flow Rate: 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 [2] of [4]

D. SEGMENT (PROCESS/FUEL) INFORMATION**Segment Description and Rate:** Segment 1 of 4

1. Segment Description (Process/Fuel Type): Coal burned in Unit No. 2.		
2. Source Classification Code (SCC): 1-01-002-02		3. SCC Units: Tons Burned
4. Maximum Hourly Rate: 326	5. Maximum Annual Rate: 2,855,760	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 3.3	8. Maximum % Ash: 11	9. Million Btu per SCC Unit: 22
10. Segment Comment: Coal sulfur content is 3.0 weight percent, monthly average. Maximum hourly and annual rates are based on a nominal heating value of 11,000 Btu/lb (as-received basis) and maximum heat input of 7,172 mmBtu/hr.		

Segment Description and Rate: Segment 2 of 4

1. Segment Description (Process/Fuel Type): No. 2 fuel oil burned in Unit No. 2.		
2. Source Classification Code (SCC): 1-01-005-01		3. SCC Units: 1,000 Gallons Burned
4. Maximum Hourly Rate: 3.32	5. Maximum Annual Rate: 1,664.2	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 0.5	8. Maximum % Ash: 0.1	9. Million Btu per SCC Unit: 136
10. Segment Comment: No. 2 fuel oil is used for startups, flame stabilization, emergency reserve capacity during statewide energy shortages, and limited supplemental load.		

EMISSIONS UNIT INFORMATION

Section [2] of [4]

D. SEGMENT (PROCESS/FUEL) INFORMATION (CONTINUED)**Segment Description and Rate:** Segment 3 of 4

1. Segment Description (Process/Fuel Type): Petroleum coke burned in Unit No. 2 (part of coal/petcoke blend).		
2. Source Classification Code (SCC): 1-01-008-01		3. SCC Units: Tons Burned
4. Maximum Hourly Rate: 93	5. Maximum Annual Rate: 814,680	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 7.0	8. Maximum % Ash: 1.0	9. Million Btu per SCC Unit: 26
10. Segment Comment: Maximum petcoke composition of coal/petcoke blend is 30 percent by weight.		

Segment Description and Rate: Segment 4 of 4

1. Segment Description (Process/Fuel Type): On-specification used oil burned in Unit No. 2		
2. Source Classification Code (SCC): 1-01-013-02		3. SCC Units: 1,000 Gallons Burned
4. Maximum Hourly Rate: 3.3	5. Maximum Annual Rate: 500	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 0.5	8. Maximum % Ash: 0.1	9. Million Btu per SCC Unit: 142
10. Segment Comment: On-specification used oil maximum levels: arsenic - 5 ppm, cadmium - 2 ppm, chromium - 10 ppm, lead - 100 ppm, total halogens - 1,000 ppm, flash point - 100°F, and PCBs less than 50 ppm.		

EMISSIONS UNIT INFORMATION

Section [2] of [4]

E. EMISSIONS UNIT POLLUTANTS**List of Pollutants Emitted by Emissions Unit**

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
1 - NOX	024 (Modified furnace/burner design)	029 (Low Excess-Air Firing)	EL
2 - CO			NS
3 - PM	010 (ESP)		EL
4 - PM10	010 (ESP)		NS
5 - SO2	067 (FGD)		EL
6 - VOC			NS
7 - H106 (HCl)			NS
8 - H107 (HF)			NS
9 - HAPS			NS

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL/ESTIMATED FUGITIVE EMISSIONS

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

Complete 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 permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1. Pollutant Emitted:		2. Total Percent Efficiency of Control:	
3. Potential Emissions: lb/hour tons/year		4. Synthetically Limited? <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor: Reference:		7. Emissions Method Code: 0	
8. Calculation of Emissions:			
9. Pollutant Potential/Estimated Fugitive Emissions Comment:			
SECI is not requesting any revisions to currently authorized emission limits as specified in Title V Air Operation Permit FINAL Permit Project No. 1070025-002-AV. The information requested by Section F1 regarding allowable emissions for Unit No. 2 can be found in Title V Air Operation Permit FINAL Permit Project No. 1070025-002-AV.			

EMISSIONS UNIT INFORMATION

Section [2] of [4]

POLLUTANT DETAIL INFORMATION

Page [2] of [2]

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

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

Allowable Emissions Allowable Emissions ___ of ___

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method): SECI is not requesting any revisions to currently authorized emission limits as specified in Title V Air Operation Permit FINAL Permit Project No. 1070025-002-AV The information requested by Section F2 regarding allowable emissions for Unit No. 2 can be found in Title V Air Operation Permit FINAL Permit Project No. 1070025-002-AV.	

Allowable Emissions Allowable Emissions ___ of ___

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

Allowable Emissions Allowable Emissions ___ of ___

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

EMISSIONS UNIT INFORMATION

Section [2] of [4]

G. VISIBLE EMISSIONS INFORMATION

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

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: SECI is not requesting any revisions to currently authorized visible emission limits as specified in Title V Air Operation Permit FINAL Permit Project No. 1070025-002-AV. The information requested by Section G regarding visible emissions for Unit No. 2 can be found in Title V Air Operation Permit FINAL Permit Project No. 1070025-002-AV.	

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:	
6. Visible Emissions Comment:	

EMISSIONS UNIT INFORMATION

Section [2] of [4]

H. CONTINUOUS MONITOR INFORMATION**Complete if this emissions unit is or would be subject to continuous monitoring.****Continuous Monitoring System:** Continuous Monitor ___ of ___

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment: Information regarding Unit No. 2 CEMS remains unchanged from the data previously provided to the Department.	

Continuous Monitoring System: Continuous Monitor ___ of ___

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

EMISSIONS UNIT INFORMATION

Section [2] of [4]

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 type="checkbox"/> Attached, Document ID: ____ <input checked="" 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 type="checkbox"/> Attached, Document ID: ____ <input checked="" 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 type="checkbox"/> Attached, Document ID: ____ <input checked="" type="checkbox"/> Previously Submitted, Date ____
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 type="checkbox"/> Attached, Document ID: ____ <input checked="" 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 type="checkbox"/> Previously Submitted, Date: ____ Test Date(s)/Pollutant(s) Tested: ____ <input type="checkbox"/> To be Submitted, Date (if known): ____ Test Date(s)/Pollutant(s) Tested: ____ <input checked="" 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 [2] of [4]

Additional Requirements for Air Construction Permit Applications N/A

1. Control Technology Review and Analysis (Rules 62-212.400(6) 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 (Rule 62-212.400(5)(h)6., F.A.C., and Rule 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 type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Not Applicable
2. Compliance Assurance Monitoring <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Not Applicable
3. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Not Applicable
4. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Not Applicable
5. Acid Rain Part Application <input type="checkbox"/> Certificate of Representation (EPA Form No. 7610-1) <input type="checkbox"/> Copy Attached, Document ID: ____ <input type="checkbox"/> Acid Rain Part (Form No. 62-210.900(1)(a)) <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Previously Submitted, Date: ____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Previously Submitted, Date: ____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Previously Submitted, Date: ____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Previously Submitted, Date: ____ <input type="checkbox"/> Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Previously Submitted, Date: ____ <input type="checkbox"/> Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Previously Submitted, Date: ____ <input type="checkbox"/> Not Applicable

EMISSIONS UNIT INFORMATION

Section [2] of [4]

Additional Requirements Comment

The request for deletion of ambient air quality monitoring requirements does not change prior submittals with respect to process flow diagrams, fuel analyses, startup/shutdown procedures, etc. The information requested in Section I. can be found in the SGS Title V Permit renewal application; reference Application Number 478-1 submitted on July 2, 2004.

EMISSIONS UNIT INFORMATION

Section [3] of [4]

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:

Coal storage yard; CH-001 through CH-016.

3. Emissions Unit Identification Number: **004**

4. Emissions
Unit Status
Code:
A

5. Commence
Construction
Date:

6. Initial
Startup
Date:

7. Emissions Unit
Major Group
SIC Code:
49

8. Acid Rain Unit?
☐ Yes
☒ No

9. Package Unit:
Manufacturer:

Model Number:

10. Generator Nameplate Rating:

11. Emissions Unit Comment:

EMISSIONS UNIT INFORMATION

Section [3] of [4]

Emissions Unit Control Equipment

1. Control Equipment/Method(s) Description:

Fabric Filters

(Emission sources CH-002, CH-011, CH-012a, and CH-012B)

Enclosed Process

(Process enclosed for emission sources CH-001A, CH-001B, CH-007A, and CH-007B.

Process partially enclosed for emission sources CH-008A, CH-008B, CH-009A, CH-009B, CH-010A, and CH-010B).

Dust Suppression by Water sprays

(Water spray, as needed, for emission sources CH-001, CH-008A, CH-008B, CH-009A, CH-009B, CH-010A, CH-010B, and CH-013).)

2. Control Device or Method Code(s): **018, 054, 061**

EMISSIONS UNIT INFORMATION

Section [3] of [4]

B. EMISSIONS UNIT CAPACITY INFORMATION

(Optional for unregulated emissions units.)

Emissions Unit Operating Capacity and Schedule

1. Maximum Process or Throughput Rate: 3,000 tons/hr		
2. Maximum Production Rate:		
3. Maximum Heat Input Rate:		
4. Maximum Incineration Rate: pounds/hr tons/day		
5. Requested Maximum Operating Schedule:		
24 hours/day		7 days/week
52 weeks/year		8,760 hours/year
6. Operating Capacity/Schedule Comment:		
Maximum throughput based on conveyor belt capacity.		

EMISSIONS UNIT INFORMATION

Section [3] of [4]

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: CH-001 thru CH-016		2. Emission Point Type Code: 3	
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: 280 feet	
		7. Exit Diameter: 1.4 feet	
8. Exit Temperature: 77 °F		9. Actual Volumetric Flow Rate: 17,000 acfm	
		10. Water Vapor: %	
11. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: 26 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: Stack parameters are for CH-011 which has a baghouse and highest emissions of all similar sources in this group. Non-stack emission points are fugitive in nature.			

EMISSIONS UNIT INFORMATION

Section [3] of [4]

D. SEGMENT (PROCESS/FUEL) INFORMATION**Segment Description and Rate:** Segment 1 of 2

1. Segment Description (Process/Fuel Type): Coal handling		
2. Source Classification Code (SCC): 3-05-101-03		3. SCC Units: Tons Material Processed
4. Maximum Hourly Rate: 3,000	5. Maximum Annual Rate: 4,958,160	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment: Maximum hourly rate based on conveyor belt capacity.		

Segment Description and Rate: Segment 2 of 2

1. Segment Description (Process/Fuel Type): Petroleum coke handling		
2. Source Classification Code (SCC): 3-05-103-03		3. SCC Units: Tons Material Processed
4. Maximum Hourly Rate: 3,000	5. Maximum Annual Rate: 1,487,448	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment: Maximum hourly rate based on conveyor belt capacity.		

EMISSIONS UNIT INFORMATION

Section [3] of [4]

E. EMISSIONS UNIT POLLUTANTS**List of Pollutants Emitted by Emissions Unit**

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
1 - PM	018 (fabric filter)		NS
2 - PM10	018 (fabric filter)		NS

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL/ESTIMATED FUGITIVE EMISSIONS

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

Complete 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 permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1. Pollutant Emitted:	2. Total Percent Efficiency of Control:	
3. Potential Emissions: lb/hour tons/year	4. Synthetically Limited? <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year		
6. Emission Factor: Reference:	7. Emissions Method Code: 0	
8. Calculation of Emissions:		
9. Pollutant Potential/Estimated Fugitive Emissions Comment: SECI is not requesting any revisions to currently authorized emission limits as specified in Title V Air Operation Permit FINAL Permit Project No. 1070025-002-AV. The information requested by Section F1 regarding allowable emissions for the coal storage yard can be found in Title V Air Operation Permit FINAL Permit Project No. 1070025-002-AV.		

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

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

Allowable Emissions Allowable Emissions ___ of ___

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method): SECI is not requesting any revisions to currently authorized emission limits as specified in Title V Air Operation Permit FINAL Permit Project No. 1070025-002-AV. The information requested by Section F2 regarding allowable emissions for the coal storage yard can be found in Title V Air Operation Permit FINAL Permit Project No. 1070025-002-AV.	

Allowable Emissions Allowable Emissions ___ of ___

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

Allowable Emissions Allowable Emissions ___ of ___

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

EMISSIONS UNIT INFORMATION

Section [3] of [4]

G. VISIBLE EMISSIONS INFORMATION

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

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: SECI is not requesting any revisions to currently authorized visible emission limits as specified in Title V Air Operation Permit FINAL Permit Project No. 1070025-002-AV. The information requested by Section G regarding visible emissions for the coal storage yard can be found in Title V Air Operation Permit FINAL Permit Project No. 1070025-002-AV.	

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 [3] of [4]

H. CONTINUOUS MONITOR INFORMATION N/A**Complete if this emissions unit is or would be subject to continuous monitoring.****Continuous Monitoring System:** Continuous Monitor ___ of ___

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

Continuous Monitoring System: Continuous Monitor ___ of ___

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

EMISSIONS UNIT INFORMATION

Section [3] of [4]

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 type="checkbox"/> Attached, Document ID: ____ <input checked="" 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 type="checkbox"/> Attached, Document ID: ____ <input checked="" 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 type="checkbox"/> Attached, Document ID: ____ <input checked="" type="checkbox"/> Previously Submitted, Date ____
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 type="checkbox"/> Attached, Document ID: ____ <input checked="" 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 type="checkbox"/> Previously Submitted, Date: ____ Test Date(s)/Pollutant(s) Tested: ____ <input type="checkbox"/> To be Submitted, Date (if known): ____ Test Date(s)/Pollutant(s) Tested: ____ <input checked="" 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 [3] of [4]

Additional Requirements for Air Construction Permit Applications N/A

1. Control Technology Review and Analysis (Rules 62-212.400(6) 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 (Rule 62-212.400(5)(h)6., F.A.C., and Rule 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 type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Not Applicable
2. Compliance Assurance Monitoring <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Not Applicable
3. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Not Applicable
4. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Not Applicable
5. Acid Rain Part Application <input type="checkbox"/> Certificate of Representation (EPA Form No. 7610-1) <input type="checkbox"/> Copy Attached, Document ID: ____ <input type="checkbox"/> Acid Rain Part (Form No. 62-210.900(1)(a)) <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Previously Submitted, Date: ____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Previously Submitted, Date: ____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Previously Submitted, Date: ____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Previously Submitted, Date: ____ <input type="checkbox"/> Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Previously Submitted, Date: ____ <input type="checkbox"/> Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) <input type="checkbox"/> Attached, Document ID: ____ <input type="checkbox"/> Previously Submitted, Date: ____ <input type="checkbox"/> Not Applicable

EMISSIONS UNIT INFORMATION

Section [3] of [4]

Additional Requirements Comment

The request for deletion of ambient air quality monitoring requirements does not change prior submittals with respect to process flow diagrams, fuel analyses, startup/shutdown procedures, etc. The information requested in Section I. can be found in the SGS Title V Permit renewal application; reference Application Number 478-1 submitted on July 2, 2004.

EMISSIONS UNIT INFORMATION

Section [4] of [4]

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.

3. Description of Emissions Unit Addressed in this Section:

Limestone and Effluent (FGD sludge Handling and Storage) Processing Operations

3. Emissions Unit Identification Number: **005**

4. Emissions
Unit Status
Code:
A

5. Commence
Construction
Date:

6. Initial
Startup
Date:

7. Emissions Unit
Major Group
SIC Code:
49

8. Acid Rain Unit?
☐ Yes
☒ No

9. Package Unit:

Manufacturer:

Model Number:

10. Generator Nameplate Rating:

11. Emissions Unit Comment:

EMISSIONS UNIT INFORMATION

Section [4] of [4]

Emissions Unit Control Equipment

1. Control Equipment/Method(s) Description:

Wet Scrubbing

(Effluent Processing Building)

Fabric Filter

(Transfer of quicklime and flyash from truck and rail delivery).

Partial Enclosure

(Limestone handling and storage)

Panel Filter

(Limestone unloading operations)

2. Control Device or Method Code(s): **001, 018, 054, and 058**

Section [4] of [4]

(Optional for unregulated emissions units.)

1. Maximum Process or Throughput Rate:	400 tons/hr	
2. Maximum Production Rate:		
3. Maximum Heat Input Rate:		
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:	<p>Maximum throughput rate is for limestone handling. Effluent processing rates are intermittent and vary for each operation.</p>	

EMISSIONS UNIT INFORMATION

Section [4] of [4]

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: L-001 thru L-007 FGD-001 thru FGD-011		2. Emission Point Type Code: 3	
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: 25 feet	7. Exit Diameter: 1.7 feet	
8. Exit Temperature: 77 °F	9. Actual Volumetric Flow Rate: 5,000 acfm	10. Water Vapor: %	
11. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: 15 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: Stack parameters are for effluent process FGD-007 (representative stack). Nonstack emission point height is estimated average for all fugitive emission sources. Emission point L-001 has a stack height of 9 ft, stack diameter of 1.5 ft, exhaust temperature of 77°F, and exhaust flow rate of 3,325 dscfm.			

EMISSIONS UNIT INFORMATION

Section [4] of [4]

D. SEGMENT (PROCESS/FUEL) INFORMATION**Segment Description and Rate: Segment 1 of 3**

1. Segment Description (Process/Fuel Type): Limestone Handling (unloading)		
2. Source Classification Code (SCC): 3-05-104-05		3. SCC Units: Tons Material Processed
4. Maximum Hourly Rate: 400	5. Maximum Annual Rate: 317,083	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment:		

Segment Description and Rate: Segment 2 of 3

1. Segment Description (Process/Fuel Type): Limestone Handling (conveyor)		
2. Source Classification Code (SCC): 3-05-101-05		3. SCC Units: Tons Material Processed
4. Maximum Hourly Rate: 400	5. Maximum Annual Rate: 317,083	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment:		

EMISSIONS UNIT INFORMATION

Section [4] of [4]

D. SEGMENT (PROCESS/FUEL) INFORMATION**Segment Description and Rate:** Segment 3 of 3

1. Segment Description (Process/Fuel Type): Effluent Processing Area Materials (quicklime and flyash)		
2. Source Classification Code (SCC): 3-05-104-99		3. SCC Units: Tons Material Processed
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment: Throughput rates are intermittent and vary with each source.		

Segment Description and Rate: Segment of

1. Segment Description (Process/Fuel Type):		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment:		

EMISSIONS UNIT INFORMATION

Section [4] of [4]

E. EMISSIONS UNIT POLLUTANTS**List of Pollutants Emitted by Emissions Unit**

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
1 - PM	018 (fabric filter)		NS
2 - PM10	018 (fabric filter)		NS

Section [4] of [4]

POLLUTANT DETAIL INFORMATION

Page [1] of [2]

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL/ESTIMATED FUGITIVE EMISSIONS

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

Complete 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 permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1. Pollutant Emitted:	2. Total Percent Efficiency of Control:	
3. Potential Emissions: lb/hour tons/year	4. Synthetically Limited? <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year		
6. Emission Factor: Reference:		7. Emissions Method Code: 0
8. Calculation of Emissions:		
9. Pollutant Potential/Estimated Fugitive Emissions Comment: SECI is not requesting any revisions to currently authorized emission limits as specified in Title V Air Operation Permit FINAL Permit Project No. 1070025-002-AV. The information requested by Section F1 regarding allowable emissions for the limestone and effluent processing area can be found in Title V Air Operation Permit FINAL Permit Project No. 1070025-002-AV.		

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

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

Allowable Emissions Allowable Emissions ___ of ___

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method): SECI is not requesting any revisions to currently authorized emission limits as specified in Title V Air Operation Permit FINAL Permit Project No. 1070025-002-AV. The information requested by Section F2 regarding allowable emissions for the limestone and effluent processing area can be found in Title V Air Operation Permit FINAL Permit Project No. 1070025-002-AV.	

Allowable Emissions Allowable Emissions ___ of ___

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

Allowable Emissions Allowable Emissions ___ of ___

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

EMISSIONS UNIT INFORMATION

Section [4] of [4]

G. VISIBLE EMISSIONS INFORMATION

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

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: SECI is not requesting any revisions to currently authorized visible emission limits as specified in Title V Air Operation Permit FINAL Permit Project No. 1070025-002-AV. The information requested by Section G regarding visible emissions for the limestone and effluent processing area can be found in Title V Air Operation Permit FINAL Permit Project No. 1070025-002-AV.	

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:	
6. Visible Emissions Comment:	

EMISSIONS UNIT INFORMATION

Section [4] of [4]

H. CONTINUOUS MONITOR INFORMATION N/A**Complete if this emissions unit is or would be subject to continuous monitoring.****Continuous Monitoring System:** Continuous Monitor ___ of ___

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

Continuous Monitoring System: Continuous Monitor ___ of ___

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

EMISSIONS UNIT INFORMATION

Section [4] of [4]

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 type="checkbox"/> Attached, Document ID: ____ <input checked="" 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 type="checkbox"/> Attached, Document ID: ____ <input checked="" 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 type="checkbox"/> Attached, Document ID: ____ <input checked="" type="checkbox"/> Previously Submitted, Date ____
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 type="checkbox"/> Attached, Document ID: ____ <input checked="" 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 type="checkbox"/> Previously Submitted, Date: ____ Test Date(s)/Pollutant(s) Tested: ____ <input type="checkbox"/> To be Submitted, Date (if known): ____ Test Date(s)/Pollutant(s) Tested: ____ <input checked="" 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 [4] of [4]

Additional Requirements for Air Construction Permit Applications N/A

1. Control Technology Review and Analysis (Rules 62-212.400(6) 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 (Rule 62-212.400(5)(h)6., F.A.C., and Rule 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 type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
2. Compliance Assurance Monitoring <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
3. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
4. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
5. Acid Rain Part Application <input type="checkbox"/> Certificate of Representation (EPA Form No. 7610-1) <input type="checkbox"/> Copy Attached, Document ID: _____ <input type="checkbox"/> Acid Rain Part (Form No. 62-210.900(1)(a)) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Not Applicable

EMISSIONS UNIT INFORMATION

Section [4] of [4]

Additional Requirements Comment

The request for deletion of ambient air quality monitoring requirements does not change prior submittals with respect to process flow diagrams, fuel analyses, startup/shutdown procedures, etc. The information requested in Section I. can be found in the SGS Title V Permit renewal application; reference Application Number 478-1 submitted on July 2, 2004.