## RECEIVED

DEC 19 2006

BUREAU OF AIR REGULATION

## AIR PERMIT APPLICATION AND PREVENTION OF SIGNIFICANT DETERIORATION ANALYSIS FOR FPL GLADES POWER PARK GLADES COUNTY, FLORIDA

Prepared For: Florida Power & Light Company 700 Universe Boulevard Juno Beach, Florida 33408

Prepared By:
Golder Associates Inc.
6241 NW 23rd Street, Suite 500
Gainesville, Florida 32653-1500

December 2006

0637567

APPLICATION FOR PERMIT



## **Department of Environmental Protection**

## **Division of Air Resource Management**

### APPLICATION FOR AIR PERMIT - LONG FORM

#### I. APPLICATION INFORMATION

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

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

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

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

Site Name: FPI Glades Power Park (FGPP)

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

To ensure accuracy, please see form instructions.

<u> 1ae</u>	entificati	on of Fa	emty							
1.	Facility	Owner/C	ompany	Name:	Florida	Power	and Light	Comp	any	,

			,		
3.	Facility Identification Number: U	Jnknown			
4.	Facility Location:				
:	Street Address or Other Locator:	3.5 miles	north	n and 1 mile	west of intersection of State
				.S. Highway	
	City: Moore Haven	County: (	Glade	es	Zip Code: <b>33471</b>
5.	Relocatable Facility?		6.	Existing T	itle V Permitted Facility?
	☐ Yes			☐ Yes	⊠ No
<u>Ap</u>	oplication Contact				
1.	Application Contact Name: Barb	ara Linkie	wicz,	Environme	ntal Licensing Manager, New
	Сара	icity Projec	cts		
2.	Application Contact Mailing Add	dress			
	Organization/Firm: Florida Powe	er & Light (	Comp	any	
	Street Address: 700 Universe	Blvd.		•	
	City: Juno Beach	St	ate:	Florida	Zip Code: <b>33408</b>
3.	Application Contact Telephone N	Jumbers			
	Telephone: (561) 691-7518	ext.		Fax: ( <b>561</b> ) (	691-7070
4.	Application Contact Email Addre	ess: Barba	ra_P	Linkiewicz	@fpl.com
Ap	pplication Processing Informatio	n (DEP U	se)		
1.	Date of Receipt of Application:		3. P	SD Number	(if applicable):

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

2. Project Number(s):

0637567/4.3/FPL-KFK-FGPP Effective: 2/2/06 12/11/2006

4. Siting Number (if applicable):

## **Purpose of Application**

This application for air permit is submitted to obtain: (Check one)					
Air Construction Permit  ☐ Air construction permit to establish, revise, or renew a plantwide applicability limit (PAL). ☐ Air construction permit to establish, revise, or renew a plantwide applicability limit (PAL), and separate air construction permit to authorize construction or modification of one or more emissions units covered by the PAL.					
Air Operation Permit  ☐ Initial Title V air operation permit.  ☐ Title V air operation permit revision.  ☐ Title V air operation permit renewal.  ☐ Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is required.  ☐ Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is not required.					
Air Construction Permit and Revised/Renewal Title V Air Operation Permit (Concurrent Processing)  ☐ Air construction permit and Title V permit revision, incorporating the proposed project. ☐ Air construction permit and Title V permit renewal, incorporating the proposed project.					
Note: By checking one of the above two boxes, you, the applicant, are requesting concurrent processing pursuant to Rule 62-213.405, F.A.C. In such case, you must also check the following box:  I hereby request that the department waive the processing time requirements of the air construction permit to accommodate the processing time frames of the Title V air operation permit.					
Application Comment					
Two nominal 980-MW (net) ultra-supercritical solid fuel-fired steam generators and associated facilities. See PSD Report.					

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Effective: 2/2/06

## **Scope of Application**

Emissions		Air	Air
Unit ID	Description of Emissions Unit	Permit	Permit
Number	Description of Limissions Chit	Type	Proc. Fee
	5	1	1100.100
001	East Unit 1: 980 MW (nominal) Solid Fuel-Fired Unit	AC1A	
002	West Unit 2: 980 MW (nominal) Solid Fuel-Fired Unit	AC1A	
003	Auxiliary Boiler	AC1A	
004	Emergency Generators	AC1A	
005	Cooling Towers	AC1A	
006	Material Handling	AC1A	
007	Diesel Fire Pump	AC1A	
,			
, , , , , , , , , , , , , , , , , , ,			

Application Processing Fee	
Check one: Attached - Amount: \$_7,500	☐ Not Applicable

#### Owner/Authorized Representative Statement

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

1. Owner/Authorized Representative Name:

Randall R. LaBauve, Vice President

2. Owner/Authorized Representative Mailing Address...

Organization/Firm: Florida Power & Light Company

Street Address: 700 Universe Blvd.

City: Juno Beach

State: Florida

Zip Code: 33408

3. Owner/Authorized Representative Telephone Numbers...

Telephone: (561) 691-7001

Fax:

(561) 691-7070

ext. 4. Owner/Authorized Representative Email Address: Randall R LaBauve@fpl.com

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.

12/11/2006

## **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	Amplication Passansible Official Name:						
1.	Application Responsible Official Name:						
2.	Application Responsible Official Qualification (Check one or more of the following options, as applicable):						
	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.						
	For a partnership or sole proprietorship, a general partner or the proprietor, respectively.						
	For a municipality, county, state, federal, or other public agency, either a principal executive						
	officer or ranking elected official.  The designated representative at an Acid Rain source.						
3.	Application Responsible Official Mailing Address						
	Organization/Firm:						
	Street Address:						
	City: State: Zip Code:						
4.	Application Responsible Official Telephone Numbers						
	Telephone: ( ) - ext. Fax: ( ) -						
5.	Application Responsible Official Email Address:						
6.	Application Responsible Official Certification:						
	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.						
	Signature Date						
i	Signature Date						

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Pr	ofessional Engineer Certification
1.	Professional Engineer Name: Kennard F. Kosky
	Registration Number: 14996
2.	Professional Engineer Mailing Address
	Organization/Firm: Golder Associates Inc.**
	Street Address: 6241 NW 23 <sup>rd</sup> Street, Suite 500
	City: Gainesville State: FL Zip Code: 32653
3.	Professional Engineer Telephone Numbers
	Telephone: (352) 336-5600 ext.516 Fax: (352) 336-6603
	Professional Engineer Email Address: kkosky@golder.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 $\boxtimes$ , 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 $\square$ , 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 Date (seal)

<sup>\*</sup> Attack any exception to certification statement.
\*\*Board of Professional Engineers Certificate of Authorization #00001670

#### II. FACILITY INFORMATION

#### A. GENERAL FACILITY INFORMATION

## **Facility Location and Type**

1. Facility UTM Coordinates Zone 17 East (km) 483.04 North (km) 2973.72		2.	Facility Latitude/Lo Latitude (DD/MM/ Longitude (DD/MM	SS)	26/53/14	
3.	Governmental Facility Code: 0	4. Facility Status Code:	5.	Facility Major Group SIC Code: 49	6.	Facility SIC(s): 4911
		s of two nominal 980-MW of Application and the P			solid	fuel-fired steam

### **Facility Contact**

1.	Facility Contact Name: Barbara Linkiewicz, Environmental	Licen	sing Manager, Ne	w Capacity Projects	·
2.	Facility Contact Mailing Address Organization/Firm: Florida Power &		t Company		
	Street Address: 700 Universe Bl	vd.			
  -	City: Juno Beach		State: Florida	Zip Code: <b>33408</b>	
3.	Facility Contact Telephone Number Telephone: (561) 691-7518	rs: ext.	Fax: ( <b>561</b>	) 691-7070	
4.	Facility Contact Email Address:				

### Facility Primary Responsible Official

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

1.	Facility Primary Re	sponsible C	Official Name:		<del></del>			
2.	Facility Primary Re Organization/Firm: Street Address:	•	official Mailing A	Address				
	City	:	State:			Zip	Code:	
3.	Facility Primary Re	sponsible C	official Telephon	e Number	S			
	Telephone: ( )	-	ext.	Fax:	(	)	-	
4.	Facility Primary Re	sponsible C	official Email Ad	ldress:				

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## **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. ☐ Small Business Stationary Source ☐ Unknown
2.  Synthetic Non-Title V Source
3.   Title V Source
4. Major Source of Air Pollutants, Other than Hazardous Air Pollutants (HAPs)
5. Synthetic Minor Source of Air Pollutants, Other than HAPs
6. Major Source of Hazardous Air Pollutants (HAPs)
7. Synthetic Minor Source of HAPs
8.  One or More Emissions Units Subject to NSPS (40 CFR Part 60)
9.  One or More Emissions Units Subject to Emission Guidelines (40 CFR Part 60)
10. ☑ One or More Emissions Units Subject to NESHAP (40 CFR Part 61 or Part 63)
11. Title V Source Solely by EPA Designation (40 CFR 70.3(a)(5))
12. Facility Regulatory Classifications Comment:  1. Ultra-supercritical solid-fuel fired steam generating units – NSPS Subpart Da  2. Auxiliary Boiler – NSPS Subpart Db; NESHAP – Subpart DDDDD  3. Emergency Generators – NSPS Subpart IIII; NESHAP Subpart ZZZZ

## **List of Pollutants Emitted by Facility**

1. Pollutant Emitted	2. Pollutant Classification	3. Emissions Cap [Y or N]?
РМ	A	N
PM <sub>10</sub>	Α	N
VOC	A	N
SO <sub>2</sub>	A	N
NO <sub>x</sub>	A	N
СО	A	N
HAPs	A	N
SAM	A	N
FL	A	N
		-

## **B. EMISSIONS CAPS**

## Facility-Wide or Multi-Unit Emissions Caps

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

7	P :1:4-	- 31/: 1	- N /la:	T	P : :	C	<b>~</b>
/	Facility	v- w ine ni	* 10/11/11/11	-L nir	Emissions	เลก	ı amment
/ -	Luciii	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	TATMICE	CIII	Lillioniolin	$\sim u_P$	COMMITTEE.

## 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)  ☐ Attached, Document ID: PSD Report ☐ 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)  ☑ Attached, Document ID: PSD Report ☐ 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)  ✓ Attached, Document ID: PSD Report ☐ Previously Submitted, Date:
<u>Ac</u>	Iditional Requirements for Air Construction Permit Applications
1.	Area Map Showing Facility Location:  ☑ Attached, Document ID: PSD Report ☐ Not Applicable (existing permitted facility)
2.	Description of Proposed Construction, Modification, or Plantwide Applicability Limit (PAL):  ☑ Attached, Document ID: PSD Report
3.	Rule Applicability Analysis:  ☑ Attached, Document ID: PSD Report
4.	List of Exempt Emissions Units (Rule 62-210.300(3), F.A.C.):  ☑ Attached, Document ID: PSD Report ☐ Not Applicable (no exempt units at facility)
5.	Fugitive Emissions Identification:  ☑ Attached, Document ID: PSD Report □ Not Applicable
6.	Air Quality Analysis (Rule 62-212.400(7), F.A.C.):  ☑ Attached, Document ID: PSD Report ☐ Not Applicable
7.	Source Impact Analysis (Rule 62-212.400(5), F.A.C.):  ☑ Attached, Document ID: PSD Report ☐ Not Applicable
8.	Air Quality Impact since 1977 (Rule 62-212.400(4)(e), F.A.C.):  ✓ Attached, Document ID: PSD Report ☐ Not Applicable
9.	Additional Impact Analyses (Rules 62-212.400(8) and 62-212.500(4)(e), F.A.C.):
10	. Alternative Analysis Requirement (Rule 62-212.500(4)(g), F.A.C.):

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## **Additional Requirements for FESOP Applications**

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

#### III. EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Application - For Title V air operation permitting only, emissions units are classified as regulated, unregulated, or insignificant. If this is an application for Title V air operation permit, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each regulated and unregulated emissions unit addressed in this application for air permit. Some of the subsections comprising the Emissions Unit Information Section of the form are optional for unregulated emissions units. Each such subsection is appropriately marked. Insignificant emissions units are required to be listed at Section II, Subsection C.

Air Construction Permit or FESOP Application - For air construction permitting or federally enforceable state air operation permitting, emissions units are classified as either subject to air permitting or exempt from air permitting. The concept of an "unregulated emissions unit" does not apply. If this is an application for air construction permit or FESOP, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air permitting are required to be listed at Section II, Subsection C.

Air Construction Permit and Revised/Renewal Title V Air Operation Permit Application — Where this application is used to apply for both an air construction permit and a revised/renewal Title V air operation permit, each emissions unit is classified as either subject to air permitting or exempt from air permitting for air construction permitting purposes and as regulated, unregulated, or insignificant for Title V air operation permitting purposes. The air construction permitting classification must be used to complete the Emissions Unit Information Section of this application for air permit. A separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air construction permitting and insignificant emissions units are required to be listed at Section II, Subsection C.

If submitting the application form in hard copy, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application must be indicated in the space provided at the top of each page.

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0637567/4.3/FPL-KFK-EU1 12/11/200612/15/2006

## 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.)							
	<ul> <li>☐ The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.</li> <li>☐ The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.</li> </ul>							
En	nissions Unit	Description and Sta	tus					
1.	Type of Emis	ssions Unit Addressed	d in this Sectio	n: (Check one)				
	process o which ha	r production unit, or a sat least one definable	activity, which le emission poi		e air pollutants and			
	process o		d activities wh	ich has at least one de	issions unit, a group of finable emission point			
	1			lresses, as a single em es which produce fugi				
Un	2. Description of Emissions Unit Addressed in this Section: Unit 1: Ultra-supercritical solid-fuel fired boiler with steam turbine producing a nominal 980 MW (net).							
3.	Emissions U	nit Identification Nur	nber: <b>001</b>					
4.	Emissions Unit Status Code: C	5. Commence Construction Date: 2008	6. Initial Startup Date: 2012	7. Emissions Unit Major Group SIC Code: 49	8. Acid Rain Unit? ☑ Yes ☐ No			
9.	Package Uni Manufacture			Model Number:				
10	10. Generator Nameplate Rating: 980 MW (nominal) net							
	11. Emissions Unit Comment:							

### **Emissions Unit Control Equipment**

_	
1.	Control Equipment/Method(s) Description:
	Low NO <sub>x</sub> Burners; Over-fire Air; Selective Catalytic Reduction (SCR); Fabric Filter/Baghouse; Dry Sorbent Injection; Wet Limestone Flue Gas Desulfurization (FGD); and Wet ESP.
	-

2. Control Device or Method Code(s): 204, 205, 206, 139, 017, 067, 146

### **EMISSIONS UNIT INFORMATION**

Section [1] Unit 1

## **B. EMISSIONS UNIT CAPACITY INFORMATION**

(Optional for unregulated emissions units.)

## **Emissions Unit Operating Capacity and Schedule**

1.	Maximum Process or Throughput Rate:		
2.	Maximum Production Rate:		
3.	Maximum Heat Input Rate: 8,700 million	n Btu/hr	
4.	Maximum Incineration Rate: poun	ds/hr	
	tons/	day	
5.	Requested Maximum Operating Schedu	le:	
	<b>24</b> hou	rs/day	7 days/week
	52 wee	eks/year	8,760 hours/year
6.	Operating Capacity/Schedule Comment		
	Table 2-2 of the PSD Report shows the π	aximum heat input at 100%,	70%, and 40% loads.

## 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: See PSD Report		2. Emission Point 7	Гуре Code:			
	<ol> <li>Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking: Exhausts through separate flue in common stack for Units 1 and 2.</li> </ol>						
	ID Numbers or Descriptio	ns of Emission Ur	nits with this Emission	n Point in Common:			
5.	Discharge Type Code: V	<ol><li>Stack Height</li><li>499 feet</li></ol>	:	7. Exit Diameter: 30 feet			
8.	8. Exit Temperature: 9. Actu 135°F 2,97		metric Flow Rate:	10. Water Vapor: %			
11.	11. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: feet				
13.	13. Emission Point UTM Coordinates Zone: 17 East (km): 483.04 North (km): 2973.72		14. Emission Point Latitude/Longitude Latitude (DD/MM/SS) Longitude (DD/MM/SS)				
15.	15. Emission Point Comment: Emission point characteristics for 100% load. Table 2-2 of the PSD Report shows the emission point characteristics at 70% and 40% load.						

## **EMISSIONS UNIT INFORMATION**

Section [1] Unit 1

## D. SEGMENT (PROCESS/FUEL) INFORMATION

## Segment Description and Rate: Segment 1 of 2

1.	Segment Description (Pro Coal Combustion	cess/Fuel Type):			
2.	Source Classification Cod 1010010100	le (SCC):	3. SCC Units Tons Burne		
4.	Maximum Hourly Rate: 376.2	5. Maximum 3,295,227	Annual Rate:	6.	Estimated Annual Activity Factor:
7.	Maximum % Sulfur: 1.28	8. Maximum <b>10.8</b>	% Ash:	9.	Million Btu per SCC Unit: 23.1
10	Segment Comment: See Section 2.0 in PSD Re	port. Usage will	vary depending (	pon	coal quality.

## Segment Description and Rate: Segment 2 of 2

1.	Segment Description (Pro Petroleum Coke (Pet Coke				
	1 !				
2.	Source Classification Cod 1010881800	le (SCC):	3. SCC Units Tons Burn		
4.	Maximum Hourly Rate: 72.6	5. Maximum <b>635,800</b>	Annual Rate:	6.	Estimated Annual Activity Factor:
7.	Maximum % Sulfur: 6.75	8. Maximum <b>0.5</b>	% Ash:	9.	Million Btu per SCC Unit: 27.4
10.	Segment Comment: See Section 2.0 in PSD Re	port. Co-fired wi	th coal up to 20%	6 by v	weight.

## E. EMISSIONS UNIT POLLUTANTS

## List of Pollutants Emitted by Emissions Unit

Pollutant Emitted	Primary Control     Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM	017	146	EL
PM <sub>10</sub>	017	146	EL
SO <sub>2</sub>	067	146	EL
NO <sub>x</sub>	139	204-205	EL
СО	204-205		EL
voc	204-205		EL
SAM	146	067	EL
Hg (H114)	139/017/067/146	206	EL
FL	067		EL
HCI (H106)	067		EL
1-11-11-11-11-11-11-11-11-11-11-11-11-1			

POLLUTANT DETAIL INFORMATION
Page [1] of [10]
Particulate Matter Total - PM

## 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: PM	2. Total Percent Efficiency of Control:				
3. Potential Emissions:		4. Synthe	etically Limited?		
,	5 tons/year	☐Yes	•		
5. Range of Estimated Fugitive Emissions (as to tons/year	applicable):				
6. Emission Factor: 0.013 lb/MMBtu Reference: FPL, 2006; Golder, 2006.			7. Emissions Method Code: 2		
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:				
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected ☐ 5 yea	l Monitorin nrs □ 10 y	_		
10. Calculation of Emissions: 0.013 lb/MMBtu/hr x 8,700 MMBtu/hr= 113.1 lb/hr 113.1 lb/hr x 8,760 hr/yr x 2,000 lb/ton = 495.4 tons / year					
11. Potential Fugitive and Actual Emissions Co See PSD Report, Section 2.0, Table 2-2.	mment:				

POLLUTANT DETAIL INFORMATION
Page [1] of [10]
Particulate Matter Total - PM

## 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.

<u>Al</u>	Allowable Emissions 1 of 2					
1.	Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:				
3.	<ul> <li>3. Allowable Emissions and Units:</li> <li>0.013 lb/MMBtu</li> <li>4. Equivalent Allowable Emissions:</li> <li>113 lb/hour</li> <li>495 tons/year</li> </ul>					
5.	Method of Compliance: EPA Method 5b; Annual Testing					
6.	6. Allowable Emissions Comment (Description of Operating Method):					

### Allowable Emissions 2 of 2

1.	Basis for Allowable Emissions Code: RULE	2.	2. Future Effective Date of Allowable Emissions:		
3.	Allowable Emissions and Units: 0.015 lb/MMBtu	4. Equivalent Allowable Emissions: 130.5 lb/hour 571.6 tor			
5.	Method of Compliance: EPA Method 5b				
6.	Allowable Emissions Comment (Descript 40 CFR Part 60, Section 60.42 Da(c)(2)	ion of	Operating Method):		

## 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/				
5.	Method of Compliance:						
6.	Allowable Emissions Comment (Descriptio	on of	Operating Method):				

POLLUTANT DETAIL INFORMATION
Page [2] of [10]
Particulate Matter - PM<sub>10</sub>

## 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: PM <sub>10</sub>	2. Total Percent Efficiency of Control:					
3. Potential Emissions:		4. Synth	etically Limited?			
113 lb/hour 49:	5 tons/year	□Ye				
to tons/year	6. 11 = 1					
6. Emission Factor: 0.013 lb/MMBtu  Reference: FPL, 2006; Golder, 2006.			7. Emissions Method Code: 2			
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:					
9.a. Projected Actual Emissions (if required): tons/year	a. Projected Actual Emissions (if required): tons/year  9.b. Projected Monitori 5 years  10					
10. Calculation of Emissions: 0.013 lb/MMBtu x 8,700 MMBtu/hr = 113.1 lb/hr 113.1 lb/hr x 8,760 hr/yr x 2,000 lb/ton = 495 tons/yr						
11. Potential Fugitive and Actual Emissions Co. See PSD Report, Section 2.0, Table 2-2.	mment:					

# POLLUTANT DETAIL INFORMATION Page [2] of [10] Particulate Matter - PM<sub>10</sub>

# 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.

CIII		C .						
<u>Al</u>	owable Emissions Allowable Emissions 1							
1.	Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:						
3.	Allowable Emissions and Units: 0.013 lb/MMBtu	4. Equivalent Allowable Emissions:  113 lb/hour  495 tons/year						
5.	Method of Compliance: EPA Method 5b; Annual Testing							
6.	6. Allowable Emissions Comment (Description of Operating Method):							
Al	lowable 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						
	Method of Compliance:  Allowable Emissions Comment (Description)	ion of Operating Method):						
<u>A</u>	lowable 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 (Descript	ion of Operating Method):						

POLLUTANT DETAIL INFORMATION
Page [3] of [10]
Sulfur Dioxide - SO<sub>2</sub>

## 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: SO <sub>2</sub>	2. Total Percent Efficiency of Control:					
3. Potential Emissions:		4. Synth	netically Limited?			
348 lb/hour 1,524	4 tons/year	□Y€	es 🛛 No			
to tons/year	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year					
6. Emission Factor: 0.04 lb/MMBtu			7. Emissions			
Reference: FPL, 2006; Golder, 2006.			Method Code: 2			
8.a. Baseline Actual Emissions (if required):	8.b. Baseline		Period:			
tons/year	From:	Го:				
9.a. Projected Actual Emissions (if required):  tons/year  9.b. Projected Mor  5 years						
10. Calculation of Emissions: 0.04 lb/MMBtu x 8,700 MMBtu/hr = 348 lb/hr 348 lb/hr x 8,760 hr/yr x 2,000 lb/ton = 1,524 tons / year						
11. Potential Fugitive and Actual Emissions Comment: See PSD Report, Section 2.0, Table 2-2.						

POLLUTANT DETAIL INFORMATION
Page [3] of [10]
Sulfur Dioxide - SO<sub>2</sub>

## 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.

em	emissions limitation.						
Allowable Emissions 1 of 2							
1.	Basis for Allowable Emissions Code: OTHER	2.	Future Effective Date of A Emissions:	Allowable			
3.	Allowable Emissions and Units: 0.04 lb/MMBtu	4.	Equivalent Allowable Em	nissions: 1,524 tons/year			
5.	<ol> <li>Method of Compliance:</li> <li>SO<sub>2</sub> Continuous Emission Monitor (CEM); 30-day rolling average; 40 CFR Part 75.</li> </ol>						
6.	6. Allowable Emissions Comment (Description of Operating Method):						
Al	lowable Emissions Allowable Emissions 2 of	<u>2</u>					
1.	Basis for Allowable Emissions Code: RULE	2.	Future Effective Date of . Emissions:	Allowable			
3.	Allowable Emissions and Units:  1.4 lb/mW-hr (gross energy)	4.	Equivalent Allowable En 1,484 lb/hour	nissions: 6,500 tons/year			
5.	Method of Compliance: SO <sub>2</sub> CEM 30-day rolling average						
6.	6. Allowable Emissions Comment (Description of Operating Method): 40 CFR Part 60, Section 60.43Da(i)(1)(i) 1.4 lb/MW-hr x 1,060 MW = 1,484 lb/hr						
Al	lowable Emissions Allowable Emissions	(	of				
1.	Basis for Allowable Emissions Code:	2.	Future Effective Date of Emissions:	Allowable			
3.	Allowable Emissions and Units:	4.	Equivalent Allowable En lb/hour	nissions: tons/year			
5.	5. Method of Compliance:						
6. Allowable Emissions Comment (Description of Operating Method):							

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# POLLUTANT DETAIL INFORMATION Page [4] of [10] Nitrogen Oxides - NO.

## 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:  NO <sub>x</sub> 2. Total Percent Efficiency of Cont							
3. Potential Emissions:	4. Synthetically Limited?						
435 lb/hour 1,909	5 tons/year ☐ Yes ☒ No						
to tons/year	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year						
6. Emission Factor: 0.05 lb/MMBtu  Reference: FPL, 2006; Golder 2006.	7. Emissions Method Code: 2						
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:						
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years						
10. Calculation of Emissions: 0.07 lb/MMBtu x 8,700 MMBtu/hr = 435 lb/hr 435 lb/hr x 8,760 hr/yr / 2,000 lb/ton = 1,905 tons / year							
11. Potential Fugitive and Actual Emissions Co. See PSD Report, Section 2.0, Table 2-2.	mment:						

POLLUTANT DETAIL INFORMATION
Page [4] of [10]
Nitrogen Oxides - NO<sub>x</sub>

## 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.

	issions limitation.			
<u>Al</u>	lowable Emissions Allowable Emissions 1			<u></u>
1.	Basis for Allowable Emissions Code: OTHER	2.	Future Effective Date Emissions:	of Allowable
3.	Allowable Emissions and Units: 0.05 lb/MMBtu	4.	Equivalent Allowable 518 lb/hour	Emissions: 2,269 tons/year
5.	Method of Compliance: NO <sub>x</sub> CEM - 30-day rolling average; 40 CFR	Part 75		
6.	Allowable Emissions Comment (Descript	ion of C	Operating Method):	
		٠		
Al	lowable Emissions Allowable Emissions	<u>2</u> of <u>2</u>		
1.	Basis for Allowable Emissions Code: RULE	2.	Future Effective Date Emissions:	of Allowable
3.	Allowable Emissions and Units: 1.0 lb/MW-hr (gross energy)	4.	Equivalent Allowable 1,060 lb/hour	Emissions: 4,643 tons/year
5.	Method of Compliance: NO <sub>x</sub> CEM - 30-day rolling average			
6.	Allowable Emissions Comment (Descript 40 CFR Part 60, Section 60.44Da(e)(1) 1.0 lb/MW-hr x 1,060 MW = 1,060 lb/hr	ion of (	Operating Method):	
Al	lowable Emissions Allowable Emissions	c	of	
1.	Basis for Allowable Emissions Code:	2.	Future Effective Date Emissions:	of Allowable
3.	Allowable Emissions and Units:	4.	Equivalent Allowable lb/hour	Emissions: tons/year
5.	Method of Compliance:	-		
6.	Allowable Emissions Comment (Descript	tion of (	Operating Method):	

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POLLUTANT DETAIL INFORMATION
Page [5] of [10]
Carbon Monoxide - CO

## 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.

6 tons/year applicable):	4. Synthetically Limited?  ☐ Yes ☑ No				
applicable):					
upphouoio).					
	7. Emissions Method Code: 2				
8.b. Baseline 24-month Period: From: To:					
9.a. Projected Actual Emissions (if required): tons/year    5 years   10					
10. Calculation of Emissions: 0.15 lb/MMBtu x 8,700 MMBtu/hr = 1,305 lb/hr 1,305 lb/hr x 8,760 hr/yr x 2,000 lb/ton = 5,716 tons / year					
11. Potential Fugitive and Actual Emissions Comment: See PSD Report, Section 2.0, Table 2-2.					
	From:  9.b. Projected  5 year				

POLLUTANT DETAIL INFORMATION
Page [5] of [10]
Carbon Monoxide - CO

## 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 1 of 1

1.	Basis for Allowable Emissions Code: OTHER		Future Effective Date of Allowable Emissions:
3.	Allowable Emissions and Units:	4.	Equivalent Allowable Emissions:
	0.15 lb/MMBtu		<b>1,305</b> lb/hour <b>5,716</b> tons/year
5.	Method of Compliance: EPA Method 10; Annual Testing		
	Allowable Emissions Comment (Description		Operating Method):
	lowable Emissions Allowable Emissions		
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
6.	Allowable Emissions Comment (Description	n of	Operating Method):
<u>A</u> l	llowable 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	n of	Operating Method):

POLLUTANT DETAIL INFORMATION
Page [6] of [10]
Volatile Organic Compounds - VOC

## 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 VOC			ency of Control:		
3. Potential Emissions:		4. Synth	netically Limited?		
29.6 lb/hour 129.6	6 tons/year	☐ Ye			
5. Range of Estimated Fugitive Emissions (as to tons/year	applicable):				
6. Emission Factor: 0.0034 lb/MMBtu			7. Emissions Method Code:		
Reference: FPL, 2006; Golder, 2006.			2		
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:				
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period:  ☐ 5 years ☐ 10 years				
· ·					
10. Calculation of Emissions: 0.0034 lb/MMBtu x 8,700 MMBtu/hr = 29.6 lb/hr 29.6 lb/hr x 8,760 hr/yr / 2,000 lb/ton = 129.6 tons / year					
11. Potential Fugitive and Actual Emissions Con See PSD Report, Section 2.0, Table 2-2.	mment:				

1

POLLUTANT DETAIL INFORMATION
Page [6] of [10]
Volatile Organic Compounds - VOC

## 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 1 of 1 2 Future Effective Date of Allowable 1. Basis for Allowable Emissions Code: **Emissions:** OTHER 3. Allowable Emissions and Units: 4. Equivalent Allowable Emissions: **29.6** lb/hour **129.6** tons/year 0.0034 lb/MMBtu 5. Method of Compliance: EPA Methods 18, 25, or 25A; base load. 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:** 4. Equivalent Allowable Emissions: 3. Allowable Emissions and Units: tons/year lb/hour 5. Method of Compliance: 6. Allowable Emissions Comment (Description of Operating Method): of Allowable Emissions Allowable Emissions 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):

# POLLUTANT DETAIL INFORMATION Page [7] of [10] Sulfuric Acid Mist - SAM

## 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:		4. Synthe	etically Limited?				
I			Yes 🖾 No				
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year							
6. Emission Factor: 0.004 lb/MMBtu  Reference: FPL, 2006; Golder, 2006.			7. Emissions Method Code: 2				
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:						
9.a. Projected Actual Emissions (if required):  tons/year  9.b. Projected Monitor  5 years 10							
10. Calculation of Emissions: 0.004 lb/MMBtu x 8,700 MMBtu/hr - 34.8 34.8 lb/hr x 8,760 hr/yr x 2,000 lb/ton = 152 tons / year							
11. Potential Fugitive and Actual Emissions Comment: See PSD Report, Section 2.0, Table 2-2.							

POLLUTANT DETAIL INFORMATION
Page [7] of [10]
Sulfuric Acid Mist - SAM

## 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.

	ussions minitarion.	_					
<u>Al</u>	owable Emissions Allowable Emissions 1	of <u>1</u>					
1.	Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:					
3.	Allowable Emissions and Units: 0.0034 lb/MMBtu	4.	4. Equivalent Allowable Emissions: 34.8 lb/hour 152 tons/year				
5.	Method of Compliance: EPA Method 8A Controlled Condensate; Annual Testing.						
6.	6. Allowable Emissions Comment (Description of Operating Method):						
Al	lowable Emissions Allowable Emissions		of				
1.	Basis for Allowable Emissions Code:	2.	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.	6. Allowable Emissions Comment (Description of Operating Method):						
<u>Al</u>	lowable Emissions Allowable Emissions		of				
1.	Basis for Allowable Emissions Code:	2.	2. Future Effective Date of Allowable Emissions:				
3.	Allowable Emissions and Units:	4.	4. Equivalent Allowable Emissions: lb/hour tons/year				
5.	Method of Compliance:						
6.	Allowable Emissions Comment (Descripti	on of	Operating Method):				

POLLUTANT DETAIL INFORMATION
Page [8] of [10]
Mercury - Hg

## 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: Hg	2. Total Percent Efficiency of Control:						
3. Potential Emissions:	4. Synt	thetically Limited?					
<b>0.0105</b> lb/hour <b>0.04</b>		☐ Yes 🖾 No					
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year							
6. Emission Factor: 9.9 x 10 <sup>-6</sup> lb/MW-hr (gross Reference: FPL, 2006; Golder, 2006.	7. Emissions Method Code: 2						
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:						
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years						
10. Calculation of Emissions: 9.9 x 10 <sup>-6</sup> lb/MW-hr x 1,060 MW = 0.0105 lb/hr 0.0105 lb/hr x 8,760 hrs/yr x 2,000 lb/ton = 0.046 tons / year							
11. Potential Fugitive and Actual Emissions Comment: See PSD Report, Section 2.0							

POLLUTANT DETAIL INFORMATION
Page [8] of [10]
Mercury - Hg

## 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.

All	owable Emissions Allowable Emissions 1 of	2			
1.	Basis for Allowable Emissions Code:  RULE  2. Future Effective Date of Allowable Emissions:				
3.	Allowable Emissions and Units: 20 x 10 <sup>-6</sup> lb/MW-hr	4. Equivalent Allowable Emissions: 0.0212 lb/hour 0.093 tons/year			
5.	Method of Compliance: Continous Monitoring pursuant to 40 CFR Part 60.49Da.				
6.	Allowable Emissions Comment (Description of Operating Method): 40 CFR Part 60.45Da(a)(1); 10 x 10 <sup>-6</sup> lb/MW-hr x 1,060 MW = 0.0212 lb/hr				
Al	lowable Emissions Allowable Emissions 2 o	<u> </u>			
1.	Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:			
3.	Allowable Emissions and Units: 9.9 x 10 <sup>-6</sup> lb/MW-hr	4. Equivalent Allowable Emissions: 0.0105 lb/hour 0.046 tons/year			
5.	Method of Compliance: Continuous Monitoring pursuant to 40 CFR Part 60.49Da.				
6.	<ol> <li>Allowable Emissions Comment (Description of Operating Method): Proposed.</li> </ol>				
Al	lowable 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):			

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POLLUTANT DETAIL INFORMATION
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Fluorides - FL

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

(Optional for unregulated emissions units.)

#### Potential/Estimated Fugitive Emissions

Pollutant Emitted:	2. Total Percent Efficiency of Control:
FL	2. Total I stock Emission of Control.
3. Potential Emissions:	4. Synthetically Limited?
<u></u>	6 tons/year ☐ Yes ☒ No
5. Range of Estimated Fugitive Emissions (as	applicable):
to tons/year	
6. Emission Factor: 0.00023 lb/MMBtu	7. Emissions
	Method Code:
Reference: FPL, 2006; Golder, 2006.	2
8.a. Baseline Actual Emissions (if required):	8.b. Baseline 24-month Period:
tons/year	From: To:
9.a. Projected Actual Emissions (if required):	9.b. Projected Monitoring Period:
tons/year	☐ 5 years ☐ 10 years
10 01 1	
10. Calculation of Emissions: See Appendix A, PSD Report	
Gee Appendix A, PSD Report	
t •	
<b>.</b>	
11. Potential Fugitive and Actual Emissions Co	mment:
Based on 97% removal using USGS coal gua	ality database for central Appalachian coal for
fluorides concentration.	
1	

POLLUTANT DETAIL INFORMATION
Page [9] of [10]
Fluorides - FL

## 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.

All	Allowable Emissions 1 of 1					
1.	Basis for Allowable Emissions Code: OTHER	2.	Future Effective Date of Allowable Emissions:			
3.	Allowable Emissions and Units: 0.00023 lb/MMBtu	4.	Equivalent Allowable Emissions: 2 lb/hour 8.76 tons/year			
	Method of Compliance: EPA Method 26A*					
0.3	<ul> <li>6. Allowable Emissions Comment (Description of Operating Method):</li> <li>*EPA, 1996 reports precision and accuracy difficulties below 5 ppm. Emission level is about</li> <li>0.3 ppm and testing uncertainties may occur in measuring fluoride this low.</li> </ul>					
<u>Al</u>	lowable Emissions Allowable Emissions					
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			
	Method of Compliance:					
6.	6. Allowable Emissions Comment (Description of Operating Method):					
<u>A</u>	lowable Emissions Allowable Emissions	<u> </u>	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	n of	Operating Method):			

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# POLLUTANT DETAIL INFORMATION Page [10] of [10] H106 - HCI

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

(Optional for unregulated emissions units.)

#### Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: H106	2. Total Percent Efficiency of Control:			
3. Potential Emissions:		4. Synth	netically Limited?	
21.7 lb/hour 190.	2 tons/year	□Y€	es 🛛 No	
5. Range of Estimated Fugitive Emissions (as	applicable):			
to tons/year				
6. Emission Factor: 0.0025 lb/MMBtu			7. Emissions	
			Method Code:	
Reference: FPL, 2006; Golder, 2006.			2	
8.a. Baseline Actual Emissions (if required):	8.b. Baseline 2	24-month	Period:	
tons/year	From: T	o:		
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected ☐ 5 year		_	
10. Calculation of Emissions:  See Appendix A, PSD Report.				
11. Potential Fugitive and Actual Emissions Comment:  Based on 97 percent removal using USGS coal quality database for Central Appalachian coal for chlorine concentration.				

## POLLUTANT DETAIL INFORMATION Page [10] of [10] HCI

## 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.

All	owable Emissions Allowable Emissions	0	f
	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):
Al	lowable 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
	Method of Compliance:  Allowable Emissions Comment (Description	n of	Operating Method):
Al	llowable 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	n of	Operating Method):

#### 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 1 of 2

1. Visible Emissions Subtype: VE20	2. Basis for Allowable Opacity:  ⊠ Rule ☐ Other
3. Allowable Opacity: Normal Conditions: 20% E Maximum Period of Excess Opacity Allow	xceptional Conditions: 100 % red: 60 min/hour
4. Method of Compliance: EPA Method 9	
5. Visible Emissions Comment:	
FDEP Rule 62-296.320(4)(b)1, F.A.C. requires 20 Rule 62-210.700.	% opacity. Excess emissions provided by
Visible Emissions Limitation: Visible Emiss	sions Limitation 2 of 2
1. Visible Emissions Subtype:	2. Basis for Allowable Opacity:
VE20	Rule □ Other
<ul> <li>Allowable Opacity:         <ul> <li>Normal Conditions:</li> <li>Maximum Period of Excess Opacity Allow</li> </ul> </li> <li>Method of Compliance: COMS</li> </ul>	xceptional Conditions: 27 % yed: 6 min/hour
5. Visible Emissions Comment: 40 CFR Part (	60, Subpart Da, Section 60.42(b).

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#### **EMISSIONS UNIT INFORMATION**

Section [1] Unit 1

#### H. CONTINUOUS MONITOR INFORMATION

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

Continuous Monitoring System: Continuous Monitor 1 of 2

1.	Parameter Code: EM	2.	Pollutant(s): NO <sub>x</sub>	
3.	CMS Requirement:	$\boxtimes$	Rule	
4.	Monitor Information Manufacturer: not yet identified	_		
	Model Number:		Serial Number:	
5.	Installation Date:	6.	Performance Specification Test Date	:
	Continuous Monitor Comment: CEM require nitoring includes dilutent monitor (O <sub>2</sub> or CO <sub>2</sub> )		•	×
<u>Co</u>	ntinuous Monitoring System: Continuous	Mor	onitor <u>2</u> of <u>2</u>	
1.	Parameter Code: EM		2. Pollutant(s): SO <sub>2</sub>	
3.	CMS Requirement:	$\boxtimes$	Rule	
4.	Monitor Information  Manufacturer: not yet identified			
	Model Number:		Serial Number:	
5.	Installation Date:		6. Performance Specification Test D	Date:
7.	Continuous Monitor Comment: CEM require	d pi	oursuant to 40 CFR, Parts 60 and 75.	

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#### 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)  Attached, Document ID: PSD Report 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)  Attached, Document ID: PSD Report 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)  Attached, Document ID: PSD Report 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)  Attached, Document ID: PSD Report Previously Submitted, Date  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)  Attached, Document ID: Previously Submitted, Date  Not Applicable
6.	Compliance Demonstration Reports/Records  Attached, Document ID: Test Date(s)/Pollutant(s) Tested:
	Previously Submitted, Date: Test Date(s)/Pollutant(s) Tested:
	To be Submitted, Date (if known): Test Date(s)/Pollutant(s) Tested:
	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  ☐ Attached, Document ID: PSD Report ☐ Not Applicable

#### **EMISSIONS UNIT INFORMATION**

Section [1] Unit 1

### Additional Requirements for Air Construction Permit Applications

1. Control Technology Review and Analysis (Rules 62-212.400(10) and 62-212.500(7),			
F.A.C.; 40 CFR 63.43(d) and (e))			
☐ Attached, Document ID: PSD Report ☐ Not Applicable			
2. Good Engineering Practice Stack Height Analysis (Rule 62-212.400(4)(d), F.A.C., and Rule 62-212.500(4)(f), F.A.C.)			
<ul> <li>✓ Attached, Document ID: <u>PSD Report</u></li></ul>			
3. Description of Stack Sampling Facilities (Required for proposed new stack sampling			
facilities only)			
☐ Attached, Document ID: PSD Report ☐ Not Applicable			
Additional Requirements for Title V Air Operation Permit Applications			
1. Identification of Applicable Requirements			
Attached, Document ID: Not Applicable			
2. Compliance Assurance Monitoring			
Attached, Document ID: Not Applicable			
3. Alternative Methods of Operation			
Attached, Document ID: Not Applicable			
4. Alternative Modes of Operation (Emissions Trading)			
Attached, Document ID: Not Applicable			
5. Acid Rain Part Application			
Certificate of Representation (EPA Form No. 7610-1)			
Copy Attached, Document ID:			
☐ Acid Rain Part (Form No. 62-210.900(1)(a))			
Attached, Document ID:			
Previously Submitted, Date:			
Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)			
Attached, Document ID:			
Previously Submitted, Date:			
New Unit Exemption (Form No. 62-210.900(1)(a)2.)			
☐ Attached, Document ID: ☐ Previously Submitted, Date:			
Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)			
Attached, Document ID:			
Previously Submitted, Date:			
Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.)			
Attached, Document ID:			
Previously Submitted, Date:			
Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.)			
Attached, Document ID:			
Previously Submitted, Date:			
☐ Not Applicable			

EMISSIONS UNIT INFORMATION Section [1] Unit 1
Additional Requirements Comment
'

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#### III. EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Application - For Title V air operation permitting only, emissions units are classified as regulated, unregulated, or insignificant. If this is an application for Title V air operation permit, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each regulated and unregulated emissions unit addressed in this application for air permit. Some of the subsections comprising the Emissions Unit Information Section of the form are optional for unregulated emissions units. Each such subsection is appropriately marked. Insignificant emissions units are required to be listed at Section II, Subsection C.

Air Construction Permit or FESOP Application - For air construction permitting or federally enforceable state air operation permitting, emissions units are classified as either subject to air permitting or exempt from air permitting. The concept of an "unregulated emissions unit" does not apply. If this is an application for air construction permit or FESOP, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air permitting are required to be listed at Section II, Subsection C.

Air Construction Permit and Revised/Renewal Title V Air Operation Permit Application — Where this application is used to apply for both an air construction permit and a revised/renewal Title V air operation permit, each emissions unit is classified as either subject to air permitting or exempt from air permitting for air construction permitting purposes and as regulated, unregulated, or insignificant for Title V air operation permitting purposes. The air construction permitting classification must be used to complete the Emissions Unit Information Section of this application for air permit. A separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air construction permitting and insignificant emissions units are required to be listed at Section II, Subsection C.

If submitting the application form in hard copy, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application must be indicated in the space provided at the top of each page.

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### 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.)				or		
	<ul> <li>☐ The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.</li> <li>☐ The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.</li> </ul>						d
<u>En</u>	nissions Unit	Description and Sta	itus				
1.	Type of Emis	ssions Unit Addresse	d in this Sec	ion: (Check	one)		
	process o	ssions Unit Information production unit, or sat least one definab	activity, whi	ch produces	one or more		
	process o	ssions Unit Informat or production units an vent) but may also p	nd activities v	hich has at l	east one de		_
		ssions Unit Informat cess or production ur		•	_	-	
Un	2. Description of Emissions Unit Addressed in this Section: Unit 2: Ultra-supercritical solid-fuel fired boiler with steam turbine producing a nominal 980 MW (net).						
3.	Emissions U	nit Identification Nu	mber: <b>002</b>				-
4.	Emissions Unit Status Code: C	5. Commence Construction Date: 2008	6. Initial Startup Date: 2013	1	sions Unit r Group Code:	8. Acid Rain Un ⊠ Yes □ No	it?
9.	9. Package Unit:						
10	Manufacturer: Model Number:  10. Generator Nameplate Rating: 980 MW (nominal) net						
	11. Emissions Unit Comment:						

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0637567/4.3/FPL-KFK-EU2 12/11/2006

#### **Emissions Unit Control Equipment**

	Massions Chie Communication
1.	Control Equipment/Method(s) Description:
	Low NO <sub>x</sub> Burners; Over-fire Air; Selective Catalytic Reduction (SCR); Fabric Filter/Baghouse; Dry Sorbent Injection; Wet Limestone Flue Gas Desulfurization (FGD); and Wet ESP.

2. Control Device or Method Code(s): 204, 205, 206, 139, 017, 067, 146

#### **B. EMISSIONS UNIT CAPACITY INFORMATION**

(Optional for unregulated emissions units.)

### **Emissions Unit Operating Capacity and Schedule**

1.	Maximum Process or Throughp	ut Rate:	
2.	Maximum Production Rate:	· · · · · · · · · · · · · · · · · · ·	
3.	Maximum Heat Input Rate: 8,70	0 million Btu/hr	
4.	Maximum Incineration Rate:	pounds/hr	
	1	tons/day	
5.	Requested Maximum Operating	Schedule:	
		24 hours/day	7 days/week
		52 weeks/year	8,760 hours/year
6	Operating Capacity/Schedule Co	omment:	
6.			
O.	Table 2-2 of the PSD Report show		at 100%, 70%, and 40% loads.

### **EMISSIONS UNIT INFORMATION**

Section [2] Unit 2

## C. EMISSION POINT (STACK/VENT) INFORMATION (Optional for unregulated emissions units.)

### **Emission Point Description and Type**

Identification of Point on Flow Diagram: See PSD F	Report	2. Emission Point 7		
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking: Exhausts through separate flue in common stack for Units 1 and 2.				
4. ID Numbers or Description				
5. Discharge Type Code: <b>V</b>	6. Stack Height 499 feet	<b>::</b>	<ol> <li>Exit Diameter:</li> <li>30 feet</li> </ol>	
8. Exit Temperature: 135°F	9. Actual Volum 2,970,000 acf	metric Flow Rate:	10. Water Vapor: %	
11. Maximum Dry Standard F dscfm	Flow Rate:	12. Nonstack Emission Point Height: feet		
13. Emission Point UTM Coo Zone: 17 East (km): North (km)	483.04	14. Emission Point Latitude/Longitude Latitude (DD/MM/SS) Longitude (DD/MM/SS)		
15. Emission Point Comment:  Emission point characteristics for 100% load. Table 2-2 of the PSD Report shows the emission point characteristics at 70% and 40% load.				
	<u> </u>			

Unit 2

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

### Segment Description and Rate: Segment 1 of 2

1.	Segment Description (Pro Coal Combustion	cess/Fuel Type):			
2.	Source Classification Cod 1010010100	le (SCC):	3. SCC Units: Tons Burne		
4.	Maximum Hourly Rate: 376.2	5. Maximum <b>3,295,227</b>	Annual Rate:	6.	Estimated Annual Activity Factor:
7.	Maximum % Sulfur: 1.28	8. Maximum <b>10.8</b>	% Ash:	9.	Million Btu per SCC Unit: 23.1
10	Segment Comment: See Section 2.0 in PSD Re	port. Usage will	vary depending u	ıpon	coal quality.

### Segment Description and Rate: Segment 2 of 2

1.	1. Segment Description (Process/Fuel Type):					
•	Petroleum Coke (Pet Coke)					
	1					
2.	. Source Classification Code (SCC): 3. SCC Unit 1010881800 Tons Burn					
4.	Maximum Hourly Rate: 72.6	5. Maximum 635,800	Annual Rate:	6.	Estimated Annual Activity Factor:	
7.	Maximum % Sulfur: 6.75	8. Maximum <b>0.5</b>	% Ash:	9.	Million Btu per SCC Unit: 27.4	
10.	0. Segment Comment: See Section 2.0 in PSD Report. Co-fired with coal up to 20% by weight.					
ــــــ		···		_	<u> </u>	

#### 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
PM	017	146	EL
PM <sub>10</sub>	017	146	EL
SO <sub>2</sub>	067	146	EL
NO <sub>x</sub>	139	204-205	EL
СО	204-205		EL
voc	204-205		EL
SAM	146	067	EL
Hg (H114)	139/017/067/146	206	EL
FL	067		EL
HCI (H106)	067		EL
			_
······································			

POLLUTANT DETAIL INFORMATION
Page [1] of [10]
Particulate Matter Total - PM

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

(Optional for unregulated emissions units.)

#### Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: 2. Total PM		ercent Efficiency of Control:		
3. Potential Emissions:		4. Synth	etically Limited?	
113 lb/hour 49	5 tons/year	☐ Ye	s 🖾 No	
5. Range of Estimated Fugitive Emissions (as to tons/year	applicable):			
6. Emission Factor: 0.013 lb/MMBtu Reference: FPL, 2006; Golder, 2006.			7. Emissions Method Code: 2	
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline From:	24-month   Γο:	Period:	
9.a. Projected Actual Emissions (if required): tons/year			_	
10. Calculation of Emissions: 0.013 lb/MMBtu/hr x 8,700 MMBtu/hr= 113.1 lb/hr 113.1 lb/hr x 8,760 hr/yr x 2,000 lb/ton = 495.4 tons / year				
11. Potential Fugitive and Actual Emissions Comment: See PSD Report, Section 2.0, Table 2-2.				

### Section [2] Unit 2

#### EMISSIONS UNIT INFORMATION POLLUTANT DETAIL INFORMATION Page [1] of [10] Particulate Matter Total - PM

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

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

-	ussions miniation.	0		
All	lowable Emissions Allowable Emissions 1			
1.	Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:		
3.	Allowable Emissions and Units: 0.013 lb/MMBtu	4. Equivalent Allowable Emissions:  113 lb/hour  495 tons/year		
5.	Method of Compliance: EPA Method 5b; Annual Testing			
6.	Allowable Emissions Comment (Description	on of Operating Method):		
Al	lowable Emissions Allowable Emissions 2	of <b>2</b>		
1.	Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions:		
3.	Allowable Emissions and Units: 0.015 lb/MMBtu	4. Equivalent Allowable Emissions: 130.5 lb/hour 571.6 tons/year		
5.	Method of Compliance: EPA Method 5b			
6.	Allowable Emissions Comment (Descripti 40 CFR Part 60, Section 60.42 Da(c)(2)	on of Operating Method):		
Al	lowable 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	on of Operating Method):		

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POLLUTANT DETAIL INFORMATION
Page [2] of [10]
Particulate Matter - PM<sub>10</sub>

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

(Optional for unregulated emissions units.)

#### Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: PM <sub>10</sub>	2. Total Percent Efficiency of Control:			
3. Potential Emissions:		4. Synth	netically Limited?	
113 lb/hour 49	5 tons/year	□Y€	•	
5. Range of Estimated Fugitive Emissions (as to tons/year	applicable):	- 1-1-1-1		
6. Emission Factor: 0.013 lb/MMBtu			7. Emissions	
			Method Code:	
Reference: FPL, 2006; Golder, 2006.			2	
8.a. Baseline Actual Emissions (if required):	8.b. Baseline	24-month	Period:	
tons/year	From:	Го:		
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected ☐ 5 yea	Monitorians ☐ 10		
10. Calculation of Emissions: 0.013 lb/MMBtu x 8,700 MMBtu/hr = 113.1 lb/hr 113.1 lb/hr x 8,760 hr/yr x 2,000 lb/ton = 495 tons/yr				
11. Potential Fugitive and Actual Emissions Comment: See PSD Report, Section 2.0, Table 2-2.				

# POLLUTANT DETAIL INFORMATION Page [2] of [10] Particulate Matter - PM<sub>10</sub>

## 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.

	issions limitation. owable Emissions Allowable Emissions 1	of <u>1</u>
1.	Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:
3.	Allowable Emissions and Units: 0.013 lb/MMBtu	4. Equivalent Allowable Emissions: 113 lb/hour 495 tons/year
5.	Method of Compliance: EPA Method 5b; Annual Testing	
5.	Allowable Emissions Comment (Descripti	on of Operating Method):
<u>Al</u>	lowable Emissions Allowable Emissions	
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/yea
5.	Method of Compliance:	
6.	Allowable Emissions Comment (Description	ion of Operating Method):
<u>Al</u>	lowable 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/ye
5.	Method of Compliance:	
6.	Allowable Emissions Comment (Descript	ion of Operating Method):

POLLUTANT DETAIL INFORMATION
Page [3] of [10]
Sulfur Dioxide - SO,

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: 2. Total Percent Effici SO <sub>2</sub>		iency of Control:	
3. Potential Emissions:	4. Syntl	netically Limited?	
348 lb/hour 1,524	4 tons/year ☐ Ye	es 🖄 No	
5. Range of Estimated Fugitive Emissions (as	applicable):		
to tons/year			
6. Emission Factor: 0.04 lb/MMBtu	<del></del>	7. Emissions	
7.6		Method Code:	
Reference: FPL, 2006; Golder, 2006.		2	
8.a. Baseline Actual Emissions (if required):	8.b. Baseline 24-month	Period:	
tons/year	From: To:		
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period:  ☐ 5 years ☐ 10 years		
	☐ 3 years ☐ 10	years	
10. Calculation of Emissions: 0.04 lb/MMBtu x 8,700 MMBtu/hr = 348 lb/hr 348 lb/hr x 8,760 hr/yr x 2,000 lb/ton = 1,524 tons / year			
11. Potential Fugitive and Actual Emissions Comment: See PSD Report, Section 2.0, Table 2-2.			

POLLUTANT DETAIL INFORMATION Page [3] of [10] Sulfur Dioxide - SO<sub>2</sub>

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

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

em	issions limitation.	
	owable Emissions Allowable Emissions 1	of <b>2</b>
	Basis for Allowable Emissions Code: OTHER	Future Effective Date of Allowable Emissions:
3.	Allowable Emissions and Units: 0.04 lb/MMBtu	4. Equivalent Allowable Emissions: 348 lb/hour 1,524 tons/year
5.	Method of Compliance: SO <sub>2</sub> Continuous Emission Monitor (CEM); 3	0-day rolling average; 40 CFR Part 75.
6.	Allowable Emissions Comment (Description	on of Operating Method):
 Al	lowable Emissions Allowable Emissions 2	of <b>2</b>
1.	Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions:
3.	Allowable Emissions and Units: 1.4 lb/mW-hr (gross energy)	4. Equivalent Allowable Emissions:  1,484 lb/hour 6,500 tons/year
5.	Method of Compliance: SO₂ CEM 30-day rolling average	
6.	Allowable Emissions Comment (Descripti 40 CFR Part 60, Section 60.43Da(i)(1)(i) 1.4 lb/MW-hr x 1,060 MW = 1,484 lb/hr	on of Operating Method):
Al	lowable 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	on of Operating Method):

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# POLLUTANT DETAIL INFORMATION Page [4] of [10] Nitrogen Oxides - NO<sub>x</sub>

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

(Optional for unregulated emissions units.)

#### Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: NO <sub>x</sub> 2. Total Percent Efficients		iency of Control:		
3. Potential Emissions:		netically Limited?		
	5 tons/year Ye	es 🛛 No		
5. Range of Estimated Fugitive Emissions (as	applicable):			
to tons/year				
6. Emission Factor: 0.05 lb/MMBtu		7. Emissions		
Reference: FPL, 2006; Golder 2006.		Method Code: 2		
8.a. Baseline Actual Emissions (if required):	8.b. Baseline 24-month	Period:		
tons/year	From: To:			
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitori	_		
10. Calculation of Emissions: 0.07 lb/MMBtu x 8,700 MMBtu/hr = 435 lb/hr 435 lb/hr x 8,760 hr/yr / 2,000 lb/ton = 1,905 tons / year				
11. Potential Fugitive and Actual Emissions Comment: See PSD Report, Section 2.0, Table 2-2.				

POLLUTANT DETAIL INFORMATION
Page [4] of [10]
Nitrogen Oxides - NO<sub>x</sub>

## 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.

	issions limitation.	Co	
All	owable Emissions Allowable Emissions 1		
1.	Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:	
3.	Allowable Emissions and Units: 0.05 lb/MMBtu	4. Equivalent Allowable Emissions: 518 lb/hour 2,269 tons/year	
5.	Method of Compliance: NO <sub>x</sub> CEM - 30-day rolling average; 40 CFR	Part 75	
6.	Allowable Emissions Comment (Description of Operating Method):		
Al	lowable Emissions Allowable Emissions 2	<u>2</u> of <u>2</u>	
1.	Basis for Allowable Emissions Code: RULE	Future Effective Date of Allowable Emissions:	
3.	Allowable Emissions and Units: 1.0 lb/MW-hr (gross energy)	4. Equivalent Allowable Emissions: 1,060 lb/hour 4,643 tons/year	
5.	Method of Compliance: NO <sub>x</sub> CEM - 30-day rolling average		
6.	Allowable Emissions Comment (Descript 40 CFR Part 60, Section 60.44Da(e)(1) 1.0 lb/MW-hr x 1,060 MW = 1,060 lb/hr	ion of Operating Method):	
<u>A</u> l	lowable 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.	6. Allowable Emissions Comment (Description of Operating Method):		

POLLUTANT DETAIL INFORMATION
Page [5] of [10]
Carbon Monoxide - CO

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

(Optional for unregulated emissions units.)

#### Potential/Estimated Fugitive Emissions

Pollutant Emitted:     CO	2. Total Percent Efficiency of Control:		
3. Potential Emissions:	4. Synthetically Limited?		
<b>1,305</b> lb/hour <b>5,71</b>	6 tons/year ☐ Yes ☒ No		
5. Range of Estimated Fugitive Emissions (as	applicable):		
to tons/year			
6. Emission Factor: 0.15 lb/MMBtu	7. Emissions Method Code:		
Reference: FPL, 2006; Golder, 2006.	2		
8.a. Baseline Actual Emissions (if required):	8.b. Baseline 24-month Period:		
tons/year	From: To:		
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period:  ☐ 5 years ☐ 10 years		
10. Calculation of Emissions: 0.15 lb/MMBtu x 8,700 MMBtu/hr = 1,305 lb/hr 1,305 lb/hr x 8,760 hr/yr x 2,000 lb/ton = 5,716 tons / year			
11. Potential Fugitive and Actual Emissions Comment: See PSD Report, Section 2.0, Table 2-2.			

POLLUTANT DETAIL INFORMATION
Page [5] of [10]
Carbon Monoxide - CO

## 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.

emissions ilmit		C 4			
Allowable Emissions 1 of 1					
Basis for All     OTHER	lowable Emissions Code:	2.	Future Effective Date of Emissions:	of Allowable	
3. Allowable I	Emissions and Units:	4.	Equivalent Allowable I	Emissions:	
0.15 lb/MMB		<u> </u>	1,305 lb/hour	<b>5,716</b> tons/year	
5. Method of ( EPA Method	Compliance: i 10; Annual Testing			_	
6. Allowable l	Emissions Comment (Description	n of	Operating Method):		
	issions Allowable Emissions	<u>`</u>		·	
1. Basis for A	llowable Emissions Code:	2.	Future Effective Date of Emissions:	of Allowable	
3. Allowable	Emissions and Units:	4.	Equivalent Allowable	Emissions:	
			lb/hour	tons/year	
5. Method of	Compliance:				
6. Allowable	Emissions Comment (Descriptio	n of	Operating Method):		
Allowable Em	issions Allowable Emissions	·	of		
Basis for A	llowable Emissions Code:	2.	Future Effective Date 6 Emissions:	of Allowable	
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):					

POLLUTANT DETAIL INFORMATION
Page [6] of [10]
Volatile Organic Compounds - VOC

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

(Optional for unregulated emissions units.)

#### Potential/Estimated Fugitive Emissions

Pollutant Emitted:     VOC	2. Total Percent Efficiency of	Control:		
3. Potential Emissions:	4. Synthetically	y Limited?		
<b>29.6</b> lb/hour <b>129.</b> 6	6 tons/year ☐ Yes ☑	₫ No		
5. Range of Estimated Fugitive Emissions (as to tons/year	applicable):			
6. Emission Factor: 0.0034 lb/MMBtu	7. Er	nissions		
		ethod Code:		
Reference: FPL, 2006; Golder, 2006.	2			
8.a. Baseline Actual Emissions (if required):	8.b. Baseline 24-month Period	•		
tons/year	From: To:			
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period  ☐ 5 years ☐ 10 years	od:		
10. Calculation of Emissions: 0.0034 lb/MMBtu x 8,700 MMBtu/hr = 29.6 lb/hr 29.6 lb/hr x 8,760 hr/yr / 2,000 lb/ton = 129.6 tons / year				
11. Potential Fugitive and Actual Emissions Co See PSD Report, Section 2.0, Table 2-2.	mment:			

# POLLUTANT DETAIL INFORMATION Page [6] of [10] Volatile Organic Compounds - VOC

## 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.

Allowa	ble Emissions Allowable Emissions 1 of	f <b>1</b>				
1. Bas	is for Allowable Emissions Code: HER	2.	Future Effective Date of Allowable Emissions:			
1	owable Emissions and Units: 34 lb/MMBtu	4.	Equivalent Allowable Emissions: 29.6 lb/hour 129.6 tons/year			
EPA	thod of Compliance: A Methods 18, 25, or 25A; base load.					
	6. Allowable Emissions Comment (Description of Operating Method):					
	ble Emissions Allowable Emissions		of			
1. Bas	sis for Allowable Emissions Code:	2.	Future Effective Date of Allowable Emissions:			
3. All	owable Emissions and Units:	4.	Equivalent Allowable Emissions: lb/hour tons/year			
5. Me	ethod of Compliance:					
6. All	6. Allowable Emissions Comment (Description of Operating Method):					
Allowa	able Emissions Allowable Emissions	(	of			
1. Ba	sis for Allowable Emissions Code:	2.	Future Effective Date of Allowable Emissions:			
3. All	lowable Emissions and Units:	4.	Equivalent Allowable Emissions: lb/hour tons/year			
5. Me	ethod of Compliance:					
6. Al	lowable Emissions Comment (Description	6. Allowable Emissions Comment (Description of Operating Method):				

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POLLUTANT DETAIL INFORMATION
Page [7] of [10]
Sulfuric Acid Mist - SAM

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

(Optional for unregulated emissions units.)

#### Potential/Estimated Fugitive Emissions

Pollutant Emitted:     SAM	2. Total Perce	ent Efficie	ency of Control:	
3. Potential Emissions:		4. Synth	netically Limited?	
34.8 lb/hour 152	2 tons/year	□ Ye	es 🛭 No	
5. Range of Estimated Fugitive Emissions (as	applicable):			
to tons/year	•			
6. Emission Factor: 0.004 lb/MMBtu			7. Emissions	
Reference: FPL, 2006; Golder, 2006.			Method Code: 2	
8.a. Baseline Actual Emissions (if required):	8.b. Baseline 2	24-month	Period:	
tons/year	<u> </u>	o:		
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period:  ☐ 5 years ☐ 10 years			
10. Calculation of Emissions: 0.004 lb/MMBtu x 8,700 MMBtu/hr - 34.8 34.8 lb/hr x 8,760 hr/yr x 2,000 lb/ton = 152 tons / year				
11. Potential Fugitive and Actual Emissions Comment: See PSD Report, Section 2.0, Table 2-2.				

POLLUTANT DETAIL INFORMATION
Page [7] of [10]
Sulfuric Acid Mist - SAM

## 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 1 of 1

1.	Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:
3.	Allowable Emissions and Units: 0.0034 lb/MMBtu	4. Equivalent Allowable Emissions: 34.8 lb/hour 152 tons/year
5.	Method of Compliance: EPA Method 8A Controlled Condensate; Annu	ual Testing.
_	Allowable Emissions Comment (Description	
	Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable
1.	Dasis for Anowable Emissions Code.	Emissions:
3.	Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
-	Method of Compliance:	lb/hour tons/year
	Allowable Emissions Comment (Description	n of Operating Method):
<u>Al</u>	lowable 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	n of Operating Method):

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POLLUTANT DETAIL INFORMATION
Page [8] of [10]
Mercury - Hg

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

(Optional for unregulated emissions units.)

#### Potential/Estimated Fugitive Emissions

Pollutant Emitted:     Hg	2. Total Perc	ent Efficie	ency of Control:		
3. Potential Emissions: 0.0105 lb/hour 0.040	6 tons/year	4. Synth  ☐ Ye	netically Limited?		
to tons/year	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year				
6. Emission Factor: 9.9 x 10 <sup>-6</sup> lb/MW-hr (gross Reference: FPL, 2006; Golder, 2006.	energy)		7. Emissions Method Code: 2		
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline From:	24-month To:	Period:		
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected ☐ 5 yea	l Monitori ars □ 10			
10. Calculation of Emissions: 9.9 x 10 <sup>-6</sup> lb/MW-hr x 1,060 MW = 0.0105 lb/hr 0.0105 lb/hr x 8,760 hrs/yr x 2,000 lb/ton = 0.046 tons / year					
11. Potential Fugitive and Actual Emissions Comment: See PSD Report, Section 2.0					

POLLUTANT DETAIL INFORMATION
Page [8] of [10]
Mercury - Hg

## 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.

<b>C11</b>		C			
<u>Al</u>	lowable Emissions Allowable Emissions 10				
1.	Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions:			
3.	Allowable Emissions and Units: 20 x 10 <sup>-6</sup> lb/MW-hr	4. Equivalent Allowable Emissions: 0.0212 lb/hour 0.093 tons/year			
5.	Method of Compliance: Continous Monitoring pursuant to 40 CFR Pa	rt 60.49Da.			
6.	Allowable Emissions Comment (Description of Operating Method): 40 CFR 60.45Da(a)(1); 20 x 10 <sup>-6</sup> lb/MW-hr x 1,060 MW = 0.0212 lb/hr				
Al	lowable Emissions Allowable Emissions 2 o	of <u>2</u>			
1.	Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:			
3.	Allowable Emissions and Units: 9.9 x 10 <sup>-6</sup> lb/MW-hr	4. Equivalent Allowable Emissions: 0.0105 lb/hour 0.046 tons/year			
5.	Method of Compliance: Continuous Monitoring pursuant to 40 CFR 6	60.49Da.			
6.	Allowable Emissions Comment (Description Proposed.	n of Operating Method):			
Al	lowable 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 (Descriptio	n of Operating Method):			

POLLUTANT DETAIL INFORMATION
Page [9] of [10]
Fluorides - FL

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

(Optional for unregulated emissions units.)

#### Potential/Estimated Fugitive Emissions

Pollutant Emitted:     FL	2. Total Perc	ent Efficie	ency of Control:	
3. Potential Emissions:		4. Syntl	netically Limited?	
2.0 lb/hour 8.70	6 tons/year	□Ye	es 🖄 No	
5. Range of Estimated Fugitive Emissions (as	applicable):			
to tons/year				
6. Emission Factor: 0.00023 lb/MMBtu			7. Emissions	
			Method Code:	
Reference: FPL, 2006; Golder, 2006.			2	
8.a. Baseline Actual Emissions (if required):	8.b. Baseline		Period:	
tons/year	From:	Го:		
9.a. Projected Actual Emissions (if required):	9.b. Projected	Monitori	ng Period:	
tons/year		ars 🔲 10		
!				
10 Calculation of Francisco				
10. Calculation of Emissions: See Appendix A, PSD Report				
The state of the s				
,				
11. Potential Fugitive and Actual Emissions Comment:				
Based on 97% removal using USGS coal quality database for central Appalachian coal for				
fluorides concentration.				
<u> </u>				

POLLUTANT DETAIL INFORMATION of [10] Page Fluorides - FL

### 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.

<u>All</u>	<u>owable Emissions</u>	Allowable	Emissions 1	of <u>1</u>
ī	Basis for Allowahl	e Emissions	s Code	$T_2$

1.	Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:
3.	Allowable Emissions and Units: 0.00023 lb/MMBtu	4. Equivalent Allowable Emissions: 2 lb/hour 8.76 tons/year
5.	Method of Compliance: EPA Method 26A*	
0.3	ppm and testing uncertainties may occur in m	ifficulties below 5 ppm. Emission level is about neasuring fluoride this low.
Al	lowable 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
	Method of Compliance:  Allowable Emissions Comment (Description	n of Operating Method):
<u>Al</u>	lowable 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	n of Operating Method):

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POLLUTANT DETAIL INFORMATION
Page [10] of [10]
H106 - HCI

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

(Optional for unregulated emissions units.)

#### Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: H106	2. Total Percent Efficiency of Control:			
3. Potential Emissions:	4. Syntl		hetically Limited?	
21.7 lb/hour 190.2 tons/year		□Y€	es 🛛 No	
5. Range of Estimated Fugitive Emissions (as applicable):				
to tons/year				
6. Emission Factor: 0.0025 lb/MMBtu		7. Emissions		
Deference: EDI 2005: Caldan 0006		Method Code:		
Reference: FPL, 2006; Golder, 2006.			2	
8.a. Baseline Actual Emissions (if required):	8.b. Baseline 24-month Period:			
tons/year	From: To:			
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period:  ☐ 5 years ☐ 10 years			
10. Calculation of Emissions:  See Appendix A, PSD Report.				
11. Potential Fugitive and Actual Emissions Comment:  Based on 97 percent removal using USGS coal quality database for Central Appalachian coal for chlorine concentration.				

# EMISSIONS UNIT INFORMATION Section [2] Unit 2

# POLLUTANT DETAIL INFORMATION Page [10] of [10] HCI

# 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.

All	lowable Emissions Allowable Emissions	<u> </u>	f
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
	Method of Compliance:		
	Allowable Emissions Comment (Description	·	
Al	lowable Emissions Allowable Emissions		<u></u>
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
	Method of Compliance:		
6.	Allowable Emissions Comment (Description	1 of (	Operating Method):
Al	lowable 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	n of	Operating Method):

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Section [2] Unit 2

#### G. VISIBLE EMISSIONS INFORMATION

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

<u>Visible Emissions Limitation</u>: Visible Emissions Limitation 1 of 2

Į.	Visible Emissions Subtype: VE20	<ol> <li>Basis for Allowable (</li></ol>	Opacity:  Other				
3.	Allowable Opacity:		··· · · · · · · · · · · · · · · · · ·				
	Normal Conditions: 20 % Ex	ceptional Conditions:	100 %				
1	Maximum Period of Excess Opacity Allowe	•	60 min/hour				
Ā	Method of Compliance: EPA Method 9						
٠,	Method of Comphance. Era method 9						
5.	Visible Emissions Comment:						
FD Ru	FDEP Rule 62-296.320(4)(b)1, F.A.C. requires 20% opacity. Excess emissions provided by Rule 62-210.700.						
	sible Emissions Limitation: Visible Emissi	ons Limitation 2 of 2					
1	Visible Emissions Subtype:	2. Basis for Allowable (	Opacity:				
	VE20	□ Rule	Other				
3.	Allowable Opacity:						
	Normal Conditions: 20 % Ex	ceptional Conditions:	27 %				
1	Maximum Period of Excess Opacity Allowe	ed:	6 min/hour				
4.	Method of Compliance: COMS		- India				
5.	Visible Emissions Comment: 40 CFR Part 60	0, Subpart Da, Section 60.4	2(b).				
1							
'							
			İ				

### EMISSIONS UNIT INFORMATION Section [2] Unit 2

#### H. CONTINUOUS MONITOR INFORMATION

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

Continuous Monitoring System: Continuous Monitor 1 of 2

1.	Parameter Code: EM	2.	Pollutant(s): NO <sub>x</sub>		
3.	CMS Requirement:	$\boxtimes$	Rule		
4.	Monitor Information  Manufacturer: not yet identified  Model Number:		Serial Number:		
5.	Installation Date:	6.	Performance Specification Test Date:		
7. mo	7. Continuous Monitor Comment: CEM required pursuant to 40 CFR, Parts 60 and 75. NO <sub>x</sub> monitoring includes dilutent monitor (O <sub>2</sub> or CO <sub>2</sub> ).				
<u>Co</u>	ontinuous Monitoring System: Continuous	Moi	onitor <u>2</u> of <u>2</u>		
1.	Parameter Code: EM		2. Pollutant(s): SO <sub>2</sub>		
3.	CMS Requirement:	$\boxtimes$	Rule		
4.	Monitor Information Manufacturer: not yet identified				
	Model Number:		Serial Number:		
5.	Installation Date:		6. Performance Specification Test Date:		
7.	Continuous Monitor Comment: CEM require	ed p	oursuant to 40 CFR, Parts 60 and 75.		

Section [2] Unit 2

### 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)  ☑ Attached, Document ID: PSD Report ☐ 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)  Attached, Document ID: PSD Report 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)  Attached, Document ID: PSD Report 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)  Attached, Document ID: PSD Report Previously Submitted, Date  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)  Attached, Document ID: Previously Submitted, Date  Not Applicable
6.	Compliance Demonstration Reports/Records  Attached, Document ID: Test Date(s)/Pollutant(s) Tested:
	Previously Submitted, Date: Test Date(s)/Pollutant(s) Tested:
	To be Submitted, Date (if known): Test Date(s)/Pollutant(s) Tested:
1	Not Applicable     ■     Not Applicable     Not Applicable
ļ '	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  ☐ Attached, Document ID: PSD Report ☐ Not Applicable

Section [2] Unit 2

### Additional Requirements for Air Construction Permit Applications

1. Control Technology Review and Analysis (Rules 62-212.400(10) and 62-212.500(7),					
F.A.C.; 40 CFR 63.43(d) and (e))  Attached, Document ID: PSD Report Not Applicable					
2. Good Engineering Practice Stack Height Analysis (Rule 62-212.400(4)(d), F.A.C., and Rule 62-212.500(4)(f), F.A.C.)					
☐ Attached, Document ID: PSD Report ☐ Not Applicable					
3. Description of Stack Sampling Facilities (Required for proposed new stack sampling					
facilities only)					
☐ Attached, Document ID: PSD Report ☐ Not Applicable					
Additional Requirements for Title V Air Operation Permit Applications					
1. Identification of Applicable Requirements					
☐ Attached, Document ID: ☐ Not Applicable					
2. Compliance Assurance Monitoring					
☐ Attached, Document ID: ☐ Not Applicable					
3. Alternative Methods of Operation					
☐ Attached, Document ID: ☐ Not Applicable					
4. Alternative Modes of Operation (Emissions Trading)					
☐ Attached, Document ID: ☐ Not Applicable					
5. Acid Rain Part Application					
☐ Certificate of Representation (EPA Form No. 7610-1)					
Copy Attached, Document ID:					
☐ Acid Rain Part (Form No. 62-210.900(1)(a))					
Attached, Document ID:					
Previously Submitted, Date:					
Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)					
Attached, Document ID:					
Previously Submitted, Date:					
☐ New Unit Exemption (Form No. 62-210.900(1)(a)2.)					
Attached, Document ID:					
Previously Submitted, Date:					
Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)					
Attached, Document ID:					
Previously Submitted, Date:					
Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.)					
Attached, Document ID:					
Previously Submitted, Date:					
Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.)					
Attached, Document ID:					
Previously Submitted, Date:					
☐ Not Applicable					

# Section [2] Unit 2 Additional Requirements Comment

**EMISSIONS UNIT INFORMATION** 

### EMISSIONS UNIT INFORMATION Section [3]

Section [3]
Auxiliary Boiler

#### III. EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Application - For Title V air operation permitting only, emissions units are classified as regulated, unregulated, or insignificant. If this is an application for Title V air operation permit, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each regulated and unregulated emissions unit addressed in this application for air permit. Some of the subsections comprising the Emissions Unit Information Section of the form are optional for unregulated emissions units. Each such subsection is appropriately marked. Insignificant emissions units are required to be listed at Section II, Subsection C.

Air Construction Permit or FESOP Application - For air construction permitting or federally enforceable state air operation permitting, emissions units are classified as either subject to air permitting or exempt from air permitting. The concept of an "unregulated emissions unit" does not apply. If this is an application for air construction permit or FESOP, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air permitting are required to be listed at Section II, Subsection C.

Air Construction Permit and Revised/Renewal Title V Air Operation Permit Application — Where this application is used to apply for both an air construction permit and a revised/renewal Title V air operation permit, each emissions unit is classified as either subject to air permitting or exempt from air permitting for air construction permitting purposes and as regulated, unregulated, or insignificant for Title V air operation permitting purposes. The air construction permitting classification must be used to complete the Emissions Unit Information Section of this application for air permit. A separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air construction permitting and insignificant emissions units are required to be listed at Section II, Subsection C.

If submitting the application form in hard copy, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application must be indicated in the space provided at the top of each page.

Section [3] Auxiliary Boiler

### 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.)						
	<ul> <li>The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.</li> <li>The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.</li> </ul>						
Er	nissions Unit l	Description and Sta	<u>itus</u>				
1.	Type of Emis	sions Unit Addresse	d in this Section	n: (Check one)			
	process or		activity, which	dresses, as a single em a produces one or more int (stack or vent).			
	process or		nd activities wh	ich has at least one de	issions unit, a group of finable emission point		
	more prod	cess or production u	nits and activiti	dresses, as a single em es which produce fugi	-		
	•	of Emissions Unit Ac auxiliary steam boile		Section: equirements of solid fo	uel boilers.		
3.	Emissions U	nit Identification Nu	mber: <b>003</b>				
4.	Emissions Unit Status Code: C	5. Commence Construction Date: 2008	6. Initial Startup Date: 2012	7. Emissions Unit Major Group SIC Code: 49	8. Acid Rain Unit? ☐ Yes ☑ No		
9.	Package Unit Manufacture			Model Number:			
10	10. Generator Nameplate Rating: MW						
11	11. Emissions Unit Comment:						
	!						

Section [3] Auxiliary Boiler

### **Emissions Unit Control Equipment**

Control Equipment/Method(s) Description:     Low-NOx Burners	
Low-NOx Burners	
-	
2. Control Device or Method Code(s): 204	

Section [3]
Auxiliary Boiler

### **B. EMISSIONS UNIT CAPACITY INFORMATION**

(Optional for unregulated emissions units.)

### **Emissions Unit Operating Capacity and Schedule**

. Maximum Process or Throughput Rate:					
. Maximum Production Rate: 200,000 (lb steam) / hr					
Maximum Heat Input Rate: 225	million Btu/hr				
Maximum Incineration Rate:	pounds/hr				
1	tons/day				
Requested Maximum Operating	Schedule:				
1	hours/day	days/week			
I	52 weeks/year	876 hours/year			
Auxiliary boiler will be used for s sed on a capacity factor of 10% fo	start up of the ultra-supercrit r which a federally enforcea	tical boilers. Operating capacity ble limit is being requested			
	Maximum Production Rate: 200 Maximum Heat Input Rate: 225 Maximum Incineration Rate: Requested Maximum Operating Operating Capacity/Schedule Control Auxiliary boiler will be used for seed on a capacity factor of 10% for	Maximum Production Rate: 200,000 (lb steam) / hr  Maximum Heat Input Rate: 225 million Btu/hr  Maximum Incineration Rate: pounds/hr tons/day  Requested Maximum Operating Schedule: hours/day			

Section [3] Auxiliary Boiler

# C. EMISSION POINT (STACK/VENT) INFORMATION (Optional for unregulated emissions units.)

**Emission Point Description and Type** 

Identification of Point on Plot Plan or Flow Diagram: See PSD Report			Emission Point T				
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:							
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:							
5. Discharge Type Code: <b>v</b>	6. Stack Height 330feet	٠.		7. Exit Diameter: 5 feet			
8. Exit Temperature: 298°F	9. Actual Volum 65,792 acfm	metric Flow Rate: 10. W		10. Water Vapor: %			
11. Maximum Dry Standard F dscfm	low Rate:	12. Nonstack Emission Point Height: feet					
13. Emission Point UTM Coordinates  Zone: 17 East (km): 482.95  North (km): 2973.51		14. Emission Point Latitude/Longitude Latitude (DD/MM/SS) Longitude (DD/MM/SS)					
15. Emission Point Comment Table 2-5 presents emission		on fo	or 75% and 50% ca	pacity.			

### EMISSIONS UNIT INFORMATION Section [3]

Section [3] Auxiliary Boiler

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

Segment Description and Rate: Segment 1 of 1

1.	Segment Description (Prod Distillate oil	cess/Fuel Type):					
2.	Source Classification Cod	e (SCC):	3. SCC Units 1,000 gallo				
4.	Maximum Hourly Rate: 1.67	5. Maximum . 1,458.9	Annual Rate:	6.	Estimated Annual Activity Factor:		
7.	Maximum % Sulfur:	8. Maximum	% Ash:	9.	Million Btu per SCC Unit: 136.1		
10.	Segment Comment: Maximum annual rate base	ed on 876 hr/yr op	peration.				
Se	gment Description and Ra	ate: Segment	of				
	1. Segment Description (Process/Fuel Type):						
2.	Source Classification Cod	le (SCC):	3. SCC Units	<b>::</b>			
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:			<b></b>			

Section [3] Auxiliary Boiler

### E. EMISSIONS UNIT POLLUTANTS

### List of Pollutants Emitted by Emissions Unit

	Pollutant Emitted	Primary Control     Device Code	Secondary Control     Device Code	4. Pollutant Regulatory Code
_	со	204		EL
	PM/PM10	Fuel Quality		EL
	NOx	204		EL
	SO2	Fuel Quality		EL
	voc	204		EL
	HCI	Fuel Quality		EL
			_	
	<u></u>			
	·			
_				
L				

POLLUTANT DETAIL INFORMATION
Page [1] of [6]
Carbon Monoxide - CO

### 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.

Pollutant Emitted:     CO	2. Total Perce	Total Percent Efficiency of Control:			
3. Potential Emissions:		4. Synth	netically Limited?		
17.3 lb/hour 7.0	6 tons/year	⊠ Y€	es 🗌 No		
5. Range of Estimated Fugitive Emissions (as	applicable):				
to tons/year					
6. Emission Factor: 0.077 lb/MMBtu		,	7. Emissions		
			Method Code:		
Reference: Nebraska Boiler, 2005; Go			2		
8.a. Baseline Actual Emissions (if required):	8.b. Baseline 2		Period:		
tons/year	From: T	Го:			
9.a. Projected Actual Emissions (if required): tons/year					
10. Calculation of Emissions: 0.077 lb/MMBtu x 225 MMBtu/hr = 17.3 lb/hr 17.3 lb/hr x 876 hr/yr x 2,000 lb/ton = 7.6 tons per year					
11. Potential Fugitive and Actual Emissions Comment: PSD Report, Section 2.0, Table 2-5.					

### Section [3] **Auxiliary Boiler**

EMISSIONS UNIT INFORMATION POLLUTANT DETAIL INFORMATION Page [1] of [6] Carbon Monoxide - CO

### 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 En	missions 1 of 2
---------------------	--------------	-----------------

1.	Basis for Allowable Emissions Code: OTHER	2.	Future Effective Date of All Emissions:	owable
3.	Allowable Emissions and Units:	4.	Equivalent Allowable Emiss 17.3 lb/hour 7.6	ions: tons/year
5.	Method of Compliance: EPA Method 10			
6.	Allowable Emissions Comment (Description	of (	Operating Method):	
All	lowable Emissions Allowable Emissions 2 o	f <u>2</u>		
1.	Basis for Allowable Emissions Code: RULE	2.	Future Effective Date of All Emissions:	owable
3.	Allowable Emissions and Units:	4.	Equivalent Allowable Emiss	sions:
	400 ppm		lb/hour	tons/year
	Method of Compliance: EPA Method 10  Allowable Emissions Comment (Description	of	Operating Method):	
	40 CFR Part 63; Subpart DDDD, Table 1; New lowable Emissions Allowable Emissions	limi		y.
$\overline{1}$			Future Effective Date of All	owahla
			Emissions:	
3.	Allowable Emissions and Units:	4.	Equivalent Allowable Emis	sions:
			lb/hour	tons/year
5.	Method of Compliance:			
6.	Allowable Emissions Comment (Description	n of	Operating Method):	

Section [3]
Auxiliary Boiler

### POLLUTANT DETAIL INFORMATION Page [2] of [6]

ige [2] of [6] Nitrogen Oxides - NOx

### 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.

Pollutant Emitted:     NOx	2. Total Percent Efficiency of Control:		ency of Control:
3. Potential Emissions:	/	•	netically Limited?
	3 tons/year	⊠ Ye	es 🗌 No
5. Range of Estimated Fugitive Emissions (as to tons/year	applicable):		
6. Emission Factor: 0.12 lb/MMBtu	<del>-</del> -		7. Emissions
			Method Code:
Reference: Nebraska Boiler, 2005; Go	older, 2006		2
8.a. Baseline Actual Emissions (if required):	8.b. Baseline	24-month	Period:
tons/year	From:	То:	
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period:  5 years 10 years		
10. Calculation of Emissions: 0.12 lb/MMBtu x 225 MMBtu/hr = 27.0 lb/hr 27.0 lb/hr x 876 hr/yr x 2,000 lb/ton = 11.8 tons per year			
11. Potential Fugitive and Actual Emissions Comment: PSD Report, Section 2.0, Table 2-5.			

POLLUTANT DETAIL INFORMATION
Page [2] of [6]
Nitrogen Oxides - NOx

# 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 1 of 1

1.	Basis for Allowable Emissions Code: OTHER		Future Effective Date of Emissions:	
3.	Allowable Emissions and Units: 0.12 lb/MMBtu	4.	Equivalent Allowable Er 27.0 lb/hour	nissions: 13.5 tons/year
	Method of Compliance: EPA Method 7e			
	Allowable Emissions Comment (Description			
	lowable Emissions Allowable Emissions		f	
1.	Basis for Allowable Emissions Code:	2.	Future Effective Date of Emissions:	Allowable
3.	Allowable Emissions and Units:	4.	Equivalent Allowable En lb/hour	nissions: tons/year
	Method of Compliance:  Allowable Emissions Comment (Description	of (	Operating Method):	
<u> Al</u>	lowable Emissions Allowable Emissions	<u> </u>	<u>f</u>	
1.	Basis for Allowable Emissions Code:	2.	Future Effective Date of Emissions:	Allowable
3.	Allowable Emissions and Units:	4.	Equivalent Allowable En lb/hour	missions: tons/year
5.	Method of Compliance:			
6.	Allowable Emissions Comment (Description	n of	Operating Method):	

POLLUTANT DETAIL INFORMATION
Page [3] of [6]
Sulfur Dioxide - SO2

### 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 Pero	cent Efficiency of Control:	
SO2		<u>.</u>	
3. Potential Emissions:		4. Synthetically Limited?	
0.352 lb/hour 0.1	5 tons/year	☑ Yes ☐ No	
5. Range of Estimated Fugitive Emissions (as	applicable):		
to tons/year			
6. Emission Factor: 0.0015% S		7. Emissions	
Defense EDI coco O III coco		Method Code:	
Reference: FPL, 2006; Golder, 2006	T	2	
8.a. Baseline Actual Emissions (if required):	1	24-month Period:	
tons/year	From:	To:	
9.a. Projected Actual Emissions (if required):		d Monitoring Period:	
tons/year	☐ 5 yea	ars 🔲 10 years	
	}		
1 !			
10. Calculation of Emissions:			
See PSD Report, Section 2.0, Table 2-5.			
•			
ı			
11 Plantile W. 14 Inches			
11. Potential Fugitive and Actual Emissions Comment:			
1			
	·		

POLLUTANT DETAIL INFORMATION
Page [3] of [6]
Sulfur Dioxide - SO2

# 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.

1.	Basis for Allowable Emissions Code: OTHER	2.	Future Effective Dat Emissions:	e of Allowable
3.	Allowable Emissions and Units: 0.0015% S	4.	Equivalent Allowabl 0.35 lb/hour	e Emissions: 0.15 tons/year
5.	Method of Compliance: Fuel Vendor Information			
6.	Allowable Emissions Comment (Descript	tion of	Operating Method):	

### Allowable Emissions 2 of 2

1.	Basis for Allowable Emissions Code: RULE	2.	Future Effective Date of Allo Emissions:	wable
3.	Allowable Emissions and Units:	4.	Equivalent Allowable Emissi	ons:
	0.3% S		lb/hour	tons/year
5.	Method of Compliance: Fuel Vendor Information			
6.	Allowable Emissions Comment (Description 40 CFR Part 60; Subpart Db, 60.426(k)(1)	of (	Operating Method):	

### Allowable Emissions Of

Basis for Allowable Emissions Co.	le: 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 (D	escription of Operating Method):

POLLUTANT DETAIL INFORMATION
Page [4] of [6]
Particulate Matter - PM/PM10

### 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: PM/PM10	2. Total Percent Effici	ency of Control:
3. Potential Emissions:	I = ==================================	hetically Limited?
	0 tons/year XY	es No
5. Range of Estimated Fugitive Emissions (as to tons/year	applicable):	
6. Emission Factor: 0.3 lb/MMBtu	· · · · · · · · · · · · · · · · · · ·	7. Emissions
Reference: Part 63, Subpart DDDDD		Method Code:
8.a. Baseline Actual Emissions (if required): tons/year	Period:	
9.a. Projected Actual Emissions (if required): tons/year  9.b. Projected Monitoring Period:  □ 5 years □ 10 years		
10. Calculation of Emissions:  0.03 lb/MMBtu x 225 MMBtu/hr = 6.75 lb/hr 6.75 lb/hr x 876 hr/yr x 2,000 lb/ton = 3.0 tons per year		
11. Potential Fugitive and Actual Emissions Co PSD Report, Section 2.0, Table 2-5.	mment:	

POLLUTANT DETAIL INFORMATION
Page [4] of [6]
Particulate Matter - PM/PM10

# 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 A	Allowable	<b>Emissions</b>	1 of 1
-----------------------	-----------	------------------	--------

1.	Basis for Allowable Emissions Code: RULE	2.	Emissions:
3.	Allowable Emissions and Units: 0.03 lb/MMBtu	4.	Equivalent Allowable Emissions: 6.75 lb/hour 5.6 tons/year
5.	Method of Compliance: EPA Method 5, Initial Test only; 0.0015% S fu	el.	
ļ	Allowable Emissions Comment (Description 40 CFR Part 63, Subpart DDDD, Table 1; New PM standard in 40 CFR Part 6, Subpart Db for	limit	ed use liquid fuel subcategory. There is
Al	lowable Emissions Allowable Emissions	0	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
6.	Allowable Emissions Comment (Description	n of	Operating Method):
<u>A</u> l	lowable 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	n of	Operating Method):

DEP Form No. 62-210.900(1) - Form Effective: 02/02/06

POLLUTANT DETAIL INFORMATION
Page [5] of [6]
Volatile Organic Compounds - VOC

### 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: VOC 3. Potential Emissions: 4. Synthetically Limited? ⊠ Yes □ No **1.126** lb/hour 0.5 tons/year 5. Range of Estimated Fugitive Emissions (as applicable): to tons/year 6. Emission Factor: 0.005 lb/MMBtu 7. Emissions Method Code: Reference: AP-42 8.a. Baseline Actual Emissions (if required): 8.b. Baseline 24-month Period: tons/year From: To: 9.a. Projected Actual Emissions (if required): 9.b. Projected Monitoring Period: tons/year ☐ 5 years ☐ 10 years 10. Calculation of Emissions: 0.005 lb/MMBtu x 225 MMBtu/hr = 1.126 lb/hr 1.126 lb/hr x 876 hr/yr x 2,000 lb/ton = 0.5 tons per year 11. Potential Fugitive and Actual Emissions Comment: PSD Report, Section 2.0, Table 2-5.

Section [3] Auxiliary Boiler

# POLLUTANT DETAIL INFORMATION Page [5] of [6] Volatile Organic Compounds - VOC

# 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.

	lowable Emissions Allowable Emissions 1	
1.	Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:
3.	Allowable Emissions and Units: 0.005 lb/MMBtu	4. Equivalent Allowable Emissions: 1.13 lb/hour 0.5 tons/year
5.	Method of Compliance: Distillate oil combustion	
6.	Allowable Emissions Comment (Description	on of Operating Method):
<u>Al</u>	lowable Emissions Allowable Emissions	
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 (Descript	ion of Operating Method):
Al	lowable 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 (Descript	ion of Operating Method):

POLLUTANT DETAIL INFORMATION
Page [6] of [6]
H106-HC1

### 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: H106-HCI	2. Total Percer	nt Efficie	ency of Control:		
3. Potential Emissions:	4	4. Synth	netically Limited?		
0.203 lb/hour 0.09	9 tons/year	⊠ Ye	es 🔲 No		
5. Range of Estimated Fugitive Emissions (as	applicable):				
to tons/year					
6. Emission Factor: 0.0009 lb/MMBtu			7. Emissions		
7.6			Method Code:		
Reference: 40 CFR Part 63, Subpart D	<del></del> .		2		
8.a. Baseline Actual Emissions (if required):	8.b. Baseline 24		Period:		
tons/year	From: To	o:			
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected M ☐ 5 years		_		
10. Calculation of Emissions:  225 MMBtu/hr x 0.0009 lb/MMBtu = 0.2025 lb/hr  0.2025 lb/hr x 876 hr/yr x ton/2,000 lb = 0.09 tons per year					
11. Potential Fugitive and Actual Emissions Con	mment:				

POLLUTANT DETAIL INFORMATION
Page [6] of [6]
Volatile Organic Compounds - VOC

# 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.

<b></b>	owable Emissions Allowable Emissions 1	of 1
	Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3.	Allowable Emissions and Units: 0.0009 lb/MMBtu	4. Equivalent Allowable Emissions:  0.203 lb/hour  0.09 tons/year
5.	Method of Compliance: As specified in 40 CFR Part 63, Section 63.7	510
6.	Allowable Emissions Comment (Description	on of Operating Method):
Al	lowable Emissions Allowable Emissions	
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	on of Operating Method):
 <u>Al</u>	lowable 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	on of Operating Method):

## EMISSIONS UNIT INFORMATION Section [3]

Auxiliary Boiler

### 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 1 of 1

1.	Visible Emissions Subtype: VE20	2. Basis for Allowable 6  ☐ Rule	Opacity:  Other
3.	Allowable Opacity: Normal Conditions:  20 % Ex Maximum Period of Excess Opacity Allower	ceptional Conditions:	100 % 60 min/hour
l L	Method of Compliance: EPA Method 9		
FD Ru	Visible Emissions Comment:  EP Rule 62-296.320(4)(b)1, F.A.C. requires 20 le 62-210.700. There are no opacity requirement fur content of 0.3% or less [Section 60.436(h)]	ents in 40 CFR Part 60, Sub	missions provided by opart Db for oil with a
Vis	sible Emissions Limitation: Visible Emission	ons Limitation of	
1:	Visible Emissions Subtype:	2. Basis for Allowable (☐ Rule	Opacity:  Other
i k	Allowable Opacity: Normal Conditions: % Ex Maximum Period of Excess Opacity Allowe	ceptional Conditions:	% min/hour
	Method of Compliance:		
5	Visible Emissions Comment:		
:			

### H. CONTINUOUS MONITOR INFORMATION

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

<u>Co</u>	Continuous Monitoring System: Continuous Monitor of					
1.	Parameter Code:	2.	Pollutant(s):			
3.	CMS Requirement:		Rule Other			
4.	Monitor Information  Manufacturer:  Model Number:		Serial Number:			
-5	Installation Date:	6.	Performance Specification Test Date:			
٦.	instantion Dute.	"				
	Continuous Monitor Comment:					
<u>C</u> c	ontinuous Monitoring System: Continuous	Mo	nitor of			
	ontinuous Monitoring System: Continuous Parameter Code:	Mo	nitor of 2. Pollutant(s):			
3.	Parameter Code:  CMS Requirement:					
3.	Parameter Code:  CMS Requirement:  Monitor Information  Manufacturer:		2. Pollutant(s):  Rule			
3. 4.	Parameter Code:  CMS Requirement:  Monitor Information  Manufacturer:  Model Number:		2. Pollutant(s):  Rule			
3. 4.	Parameter Code:  CMS Requirement:  Monitor Information  Manufacturer:		2. Pollutant(s):  Rule			

Section [3] Auxiliary Boiler

### 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)  Attached, Document ID: PSD Report 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)  Attached, Document ID: PSD Report 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)  Attached, Document ID: PSD Report 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)  Attached, Document ID:  Previously Submitted, Date  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)  Attached, Document ID: Previously Submitted, Date  Not Applicable
6.	Compliance Demonstration Reports/Records  Attached, Document ID: Test Date(s)/Pollutant(s) Tested:
	Previously Submitted, Date: Test Date(s)/Pollutant(s) Tested:
	To be Submitted, Date (if known): Test Date(s)/Pollutant(s) Tested:
	Not Applicable     ■
1	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   ☐ Attached, Document ID: PSD Report ☐ Not Applicable

Section [3] Auxiliary Boiler

### Additional Requirements for Air Construction Permit Applications

1	Control Technology Payions and Analysis (Paylor 62, 212, 400(10) and 62, 212, 500(7)
1.	Control Technology Review and Analysis (Rules 62-212.400(10) and 62-212.500(7),
	F.A.C.; 40 CFR 63.43(d) and (e))
2.	
	Rule 62-212.500(4)(f), F.A.C.)
3.	
	facilities only)
<u>A</u>	dditional Requirements for Title V Air Operation Permit Applications
1.	Identification of Applicable Requirements
	☐ Attached, Document ID: ☐ Not Applicable
2.	Compliance Assurance Monitoring
	Attached, Document ID: Not Applicable
3.	Alternative Methods of Operation
	Attached, Document ID: Not Applicable
4.	Alternative Modes of Operation (Emissions Trading)
	Attached, Document ID: Not Applicable
5.	Acid Rain Part Application
	☐ Certificate of Representation (EPA Form No. 7610-1)
	Copy Attached, Document ID:
	☐ Acid Rain Part (Form No. 62-210.900(1)(a))
	Attached, Document ID:
	Previously Submitted, Date:
	☐ Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)
	Attached, Document ID:
	Previously Submitted, Date:
	☐ New Unit Exemption (Form No. 62-210.900(1)(a)2.)
	Attached, Document ID:
	Previously Submitted, Date:
	Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)
	Attached, Document ID:
	Previously Submitted, Date:
	Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.)
	Attached, Document ID:
	Previously Submitted, Date:
	Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.)
	Attached, Document ID:
	Previously Submitted, Date:
	Not Applicable Not Applicable

EMISSIONS UNIT INFORMATION Section [3] Auxiliary Boiler						
Additional Requirements Comment	•	_ ·	····			
i 1 1						

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### EMISSIONS UNIT INFORMATION Section [4] Emergency Generators

#### III. EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Application - For Title V air operation permitting only, emissions units are classified as regulated, unregulated, or insignificant. If this is an application for Title V air operation permit, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each regulated and unregulated emissions unit addressed in this application for air permit. Some of the subsections comprising the Emissions Unit Information Section of the form are optional for unregulated emissions units. Each such subsection is appropriately marked. Insignificant emissions units are required to be listed at Section II, Subsection C.

Air Construction Permit or FESOP Application - For air construction permitting or federally enforceable state air operation permitting, emissions units are classified as either subject to air permitting or exempt from air permitting. The concept of an "unregulated emissions unit" does not apply. If this is an application for air construction permit or FESOP, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air permitting are required to be listed at Section II, Subsection C.

Air Construction Permit and Revised/Renewal Title V Air Operation Permit Application — Where this application is used to apply for both an air construction permit and a revised/renewal Title V air operation permit, each emissions unit is classified as either subject to air permitting or exempt from air permitting for air construction permitting purposes and as regulated, unregulated, or insignificant for Title V air operation permitting purposes. The air construction permitting classification must be used to complete the Emissions Unit Information Section of this application for air permit. A separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air construction permitting and insignificant emissions units are required to be listed at Section II, Subsection C.

If submitting the application form in hard copy, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application must be indicated in the space provided at the top of each page.

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0637567/4.3/FPL-KFK-EU4 12/11/2006

### EMISSIONS UNIT INFORMATION Section [4] Emergency Generators

### 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.)								
	<ul> <li>☐ The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.</li> <li>☐ The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.</li> </ul>								
<u>En</u>	nissions Unit l	Desc	cription and Sta	<u>tus</u>					
1.	Type of Emis	sion	s Unit Addresse	d in	this Sectio	n: (	Check one)		
	process or	r pro		acti	vity, which	pro	es, as a single em duces one or more stack or vent).		
	process of	r pro		d ac	tivities wh	ich h	as at least one de		ons unit, a group of ble emission point
							es, as a single em hich produce fug		**
2. <b>Err</b>	-		missions Unit Ad rs to supply powe				tion: er is not available	to F	GPP.
3.	Emissions U	nit I	dentification Nur	nbe	r:		· · · · · · · · · · · · · · · · · · ·		
4.	Emissions Unit Status Code:	5.	Commence Construction Date: 2008	6.	Initial Startup Date: 2012	7.	Emissions Unit Major Group SIC Code: 49	8.	Acid Rain Unit? ☐ Yes ☒ No
9.	Package Unit Manufacture				<del> </del>	Mo	del Number:		
10	. Generator N	ame	eplate Rating:		MW	-			
	11. Emissions Unit Comment: Generator manufacturer to be determined. Information based on Caterpillar, 2,000 KW Diesel Generator Set.								
	1								
	t	<u>.</u> ,							

# EMISSIONS UNIT INFORMATION Section [4]

Section [4] Emergency Generators

### **Emissions Unit Control Equipment**

1.	Control Equipment/Method(s) Description: Good combustion practices - Diesel fuel fired.
!	
	Control Device or Method Code(s): NA

Section [4] Emergency Generators

#### **B. EMISSIONS UNIT CAPACITY INFORMATION**

(Optional for unregulated emissions units.)

#### **Emissions Unit Operating Capacity and Schedule**

1.	Maximum Process or Throughp	out Rate:	
2.	Maximum Production Rate:		
3.	Maximum Heat Input Rate: 18.8	3 million Btu/hr	
4.	Maximum Incineration Rate:	pounds/hr	
	:	tons/day	
5.	Requested Maximum Operating	Schedule:	-
		hours/day	days/week
		52 weeks/year	160 hours/year

6. Operating Capacity/Schedule Comment:

Maximum heat input on a per-unit basis.

The emergency generators will be subject to 40 CFR 63 Subpart ZZZZ, the Reciprocating Internal Combustion Engine (RICE) MACT Rule since they will be located at a major source of HAP emissions and will have a site rating of greater than 500 Hp. The emergency generators will only be subject to the notification requirements of the RICE MACT (i.e., no emissions limitations will apply) since it would qualify for one of the following rule exemptions:

Emergency Generator - Any stationary RICE that operates in an emergency situation. Examples include stationary RICE used to produce power for critical networks or equipment (including power supplied to portions of a facility) when electric power from the local utility is interrupted, or stationary RICE is used to pump water in case of fire or flood, etc. Emergency stationary RICE may be operated for the purpose of maintenance checks and readiness testing provided that the tests are recommended by the manufacturer, the vendor, or the insurance company associated with the engine. Required testing of such units should be minimized, but there is no time limit on the use of the emergency stationary RICE in emergency situations and for routine testing and maintenance. Emergency stationary RICE may also operate an additional 50 hours per year in non-emergency situations.

Limited Use - Any stationary RICE that operates less than 100 hours per year.

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### EMISSIONS UNIT INFORMATION Section [4] Emergency Generators

# C. EMISSION POINT (STACK/VENT) INFORMATION (Optional for unregulated emissions units.)

### **Emission Point Description and Type**

1.	Identification of Point on I		2. Emission Point T	ype Code:
	Flow Diagram: See PSD R		· · · · · · · · · · · · · · · · · · ·	
3.	Descriptions of Emission	Points Comprising	g this Emissions Unit :	for VE Tracking:
4.	ID Numbers or Descriptio	ns of Emission Ur	nits with this Emission	Point in Common:
••				
5.	Discharge Type Code:	6. Stack Height	:	7. Exit Diameter:
	V	30 feet		<b>0.67</b> feet
8.	Exit Temperature:		netric Flow Rate:	10. Water Vapor:
	762°F	<b>15,136</b> acfm		%
	Maximum Day Standard D	low Rate:	<ol><li>12. Nonstack Emissi</li></ol>	on Point Height:
11.	Maximum Dry Standard F dscfm	Tow Rute.	feet	
	dscfm Emission Point UTM Coo	rdinates	feet 14. Emission Point I	Latitude/Longitude
	dscfm	rdinates	feet	Latitude/Longitude
13.	dscfm  Emission Point UTM Coo Zone: 17 East (km): North (km)	rdinates 482.95 :: 2973.39	feet 14. Emission Point I	Latitude/Longitude M/SS)
13.	dscfm  Emission Point UTM Coo Zone: 17 East (km): North (km)  Emission Point Comment:	rdinates 482.95 :: 2973.39	feet  14. Emission Point I  Latitude (DD/M)  Longitude (DD/I)	Latitude/Longitude M/SS) MM/SS)
13.	dscfm  Emission Point UTM Coo Zone: 17 East (km): North (km)	rdinates 482.95 :: 2973.39	feet  14. Emission Point I  Latitude (DD/M)  Longitude (DD/I)	Latitude/Longitude M/SS) MM/SS)
13.	dscfm  Emission Point UTM Coo Zone: 17 East (km): North (km)  Emission Point Comment: Location for one emergence	rdinates 482.95 :: 2973.39	feet  14. Emission Point I  Latitude (DD/M)  Longitude (DD/I)	Latitude/Longitude M/SS) MM/SS)
13.	dscfm  Emission Point UTM Coo Zone: 17 East (km): North (km)  Emission Point Comment: Location for one emergence	rdinates 482.95 :: 2973.39	feet  14. Emission Point I  Latitude (DD/M)  Longitude (DD/I)	Latitude/Longitude M/SS) MM/SS)
13.	dscfm  Emission Point UTM Coo Zone: 17 East (km): North (km)  Emission Point Comment: Location for one emergence	rdinates 482.95 :: 2973.39	feet  14. Emission Point I  Latitude (DD/M)  Longitude (DD/I)	Latitude/Longitude M/SS) MM/SS)
13.	dscfm  Emission Point UTM Coo Zone: 17 East (km): North (km)  Emission Point Comment: Location for one emergence	rdinates 482.95 :: 2973.39	feet  14. Emission Point I  Latitude (DD/M)  Longitude (DD/I)	Latitude/Longitude M/SS) MM/SS)
13.	dscfm  Emission Point UTM Coo Zone: 17 East (km): North (km)  Emission Point Comment: Location for one emergence	rdinates 482.95 :: 2973.39	feet  14. Emission Point I  Latitude (DD/M)  Longitude (DD/I)	Latitude/Longitude M/SS) MM/SS)
13.	dscfm  Emission Point UTM Coo Zone: 17 East (km): North (km)  Emission Point Comment: Location for one emergence	rdinates 482.95 :: 2973.39	feet  14. Emission Point I  Latitude (DD/M)  Longitude (DD/I)	Latitude/Longitude M/SS) MM/SS)

Section [4] Emergency Generators

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

Segment Description and Rate: Segment 1 of 1

1.	Segment Description (Process/Fuel Type): Diesel fuel combustion							
2.	Source Classification Code	e (SCC):	3. SCC Units					
		, ,	1,000 gallo	ns				
4.	Maximum Hourly Rate: 0.138	5. Maximum / <b>22.1</b>	Annual Rate:	6.	Estimated Annual Activity Factor:			
7.	Maximum % Sulfur: 0.0015	8. Maximum 9	% Ash:	9.	Million Btu per SCC Unit: 135.1			
10.	10. Segment Comment:  Maximum annual rate based on 160 hr/yr operation for each generator.							
<u>Se</u>	gment Description and Ra	ite: Segment	of					
	Segment Description (Pro							
2.	Source Classification Cod	le (SCC):	3. SCC Unit	s:				
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]

Section [4] Emergency Generators

### 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
со			EL
PM/PM10			EL
NOx			EL
SO2	Fuel Quality		NS
voc			EL
<del> </del>			
<u> </u>			
	-		

## EMISSIONS UNIT INFORMATION Section [4]

**Emergency Generators** 

POLLUTANT DETAIL INFORMATION
Page [1] of [5]
Carbon Monoxide

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

(Optional for unregulated emissions units.)

#### Potential/Estimated Fugitive Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:				
3.	Potential Emissions:	4	. Synth	etically Limited?		
	15.4 lb/hour 1.23	3 tons/year	⊠ Ye	÷		
5.	5. Range of Estimated Fugitive Emissions (as applicable):					
	to tons/year					
6.	Emission Factor: 2.6 grams per horsepower	r hour (g/hp-hr)		7. Emissions		
				Method Code:		
	Reference: 40 CFR Part 60 Subpart III	I		2		
8.a	. Baseline Actual Emissions (if required):	8.b. Baseline 24	-month	Period:		
	tons/year	From: To	):			
9.a	Projected Actual Emissions (if required):	9.b. Projected M	/onitorir	ng Period:		
	tons/year	☐ 5 years				
	·	•	•			
	:					
10						
10.	Calculation of Emissions: See Table 2-6 in PSD Report.					
	Report					
11.	Potential Fugitive and Actual Emissions Cor	mment:	·	<u> </u>		
	Emissions for each generator.					
	·					

POLLUTANT DETAIL INFORMATION
Page [1] of [5]
Carbon Monoxide - CO

# 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.

	issions limitation.			
<u>Ail</u>	owable Emissions Allowable Emissions 1 o			
1.	Basis for Allowable Emissions Code: RULE	2.	Future Effective Date of A	Allowable
3.	Allowable Emissions and Units: 2.6 g/hp-hr	4.	Equivalent Allowable Em 15.4 lb/hour	nissions: 1.23 tons/year
5.	Method of Compliance:  Manufacturer certification of Subpart IIII standard	dards	5.	
6.	Allowable Emissions Comment (Description Section 60.4202(a)(2)	of C	Operating Method):	
All	lowable Emissions Allowable Emissions	0	of	
1.	Basis for Allowable Emissions Code:	2.	Future Effective Date of Emissions:	Allowable
3.	Allowable Emissions and Units:	4.	Equivalent Allowable En lb/hour	nissions: tons/year
5.	Method of Compliance:			
6.	Allowable Emissions Comment (Description	1 of (	Operating Method):	
Al	lowable Emissions Allowable Emissions	c	of	
1.	Basis for Allowable Emissions Code:	2.	Future Effective Date of Emissions:	Allowable
3.	Allowable Emissions and Units:	4.	Equivalent Allowable En lb/hour	nissions: tons/year
5.	Method of Compliance:	•		
6.	Allowable Emissions Comment (Description	n of (	Operating Method):	

Section [4] Emergency Generators

# POLLUTANT DETAIL INFORMATION Page [2] of [5] Nitrogen Oxides - NOx

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

(Optional for unregulated emissions units.)

#### Potential/Estimated Fugitive Emissions

1.	Pollutant Emitted: NOx	2. Total Perc	ency of Control:		
3.	Potential Emissions:		_	netically Limited?	
	28.4 lb/hour 2.27	tons/year	⊠ Ye	es 🗌 No	
5.	Range of Estimated Fugitive Emissions (as	applicable):			
_	to tons/year	<u> </u>		2 F · ·	
6.	Emission Factor: 4.8 g/ph-hr			7. Emissions Method Code:	
	Reference: 40 CFR Part 60, Subpart II	III		2	
8.a.	Baseline Actual Emissions (if required):	8.b. Baseline		Period:	
	tons/year	From:	Го:		
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projected  5 year	_		
10.	Calculation of Emissions: See Table 2-6 in PSD Report				
11.	I. Potential Fugitive and Actual Emissions Comment:  Emissions for each generator.				

POLLUTANT DETAIL INFORMATION
Page [2] of [5]
Nitrogen Oxides - NOx

# 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 1 of 1

1 Rasis for Allowable Emissions Code: 2 Future Effective Date of Allowable

1.	Rule		Emissions:	
3.	Allowable Emissions and Units: 4.8 g/hp-hr	4.	Equivalent Allowable Emis 28.4 lb/hour 2.	ssions: <b>27</b> tons/year
	Method of Compliance:  Manfacturer certification or Subpart IIII standa	_		
	Allowable Emissions Comment (Description Section 60.4202(a)(2)	•		
	lowable Emissions Allowable Emissions			
1.	Basis for Allowable Emissions Code:	2.	Future Effective Date of A Emissions:	llowable
3.	Allowable Emissions and Units:	4.	Equivalent Allowable Emi lb/hour	ssions: tons/year
6.	Allowable Emissions Comment (Description	of (	Operating Method):	
Al	lowable Emissions Allowable Emissions	0	f	
1.	Basis for Allowable Emissions Code:	2.	Future Effective Date of A Emissions:	llowable
3.	Allowable Emissions and Units:	4.	Equivalent Allowable Emi lb/hour	ssions: tons/year
. —	Method of Compliance:			
6.	Allowable Emissions Comment (Description	n of	Operating Method):	

## EMISSIONS UNIT INFORMATION Section [4]

**Emergency Generators** 

POLLUTANT DETAIL INFORMATION
Page [3] of [5]
Sulfur Dioxide - SO2

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

(Optional for unregulated emissions units.)

#### Potential/Estimated Fugitive Emissions

	Pollutant Emitted:	2. Total Percent Efficiency of Control:		
3.	Potential Emissions:	·	4. Synth	netically Limited?
	0.029 lb/hour 0.0023	3 tons/year	⊠Y€	-
5.	Range of Estimated Fugitive Emissions (as to tons/year	applicable):		
6.	Emission Factor: 0.0015% S fuel oil  Reference: FPL, 2006		-	7. Emissions Method Code: 2
	Baseline Actual Emissions (if required): tons/year	8.b. Baseline From:	24-month To:	Period:
9.a	Projected Actual Emissions (if required): tons/year	9.b. Projected  ☐ 5 year	l Monitorii ars □ 10	
10.	Calculation of Emissions: See Table 2-6 in PSD Report.			
11.	Potential Fugitive and Actual Emissions Co Emissions for each generator.	mment:		

POLLUTANT DETAIL INFORMATION
Page [3] of [5]
Sulfur Dioxide - SO2

# 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 1 of 1

1.	Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:				
3.	Allowable Emissions and Units: 0.0015% S fuel oil	4. Equivalent Allowable Emissions:  0.029 lb/hour  0.0023 tons/year				
5.	Method of Compliance: Fuel vendor information					
	Allowable Emissions Comment (Description					
All	owable Emissions Allowable Emissions	of				
1.	Basis for Allowable Emissions Code:	Future Effective Date of Allowable Emissions:				
3.	Allowable Emissions and Units:	4. Equivalent Allowable Emissions:				
		lb/hour tons/year				
6.	Method of Compliance:  Allowable Emissions Comment (Description	of Operating Method):				
Al	lowable 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	n of Operating Method):				

## EMISSIONS UNIT INFORMATION Section [4]

**Emergency Generators** 

POLLUTANT DETAIL INFORMATION
Page [4] of [5]
Particulate Matter - PM/PM10

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

(Optional for unregulated emissions units.)

#### Potential/Estimated Fugitive Emissions

1.	Pollutant Emitted: PM/PM10	2. Total Perc	2. Total Percent Efficiency of Control:		
3.	Potential Emissions:		4. Synth	netically Limited?	
	<b>0.9</b> lb/hour <b>0.07</b>	7 tons/year	⊠Ye	_	
	Range of Estimated Fugitive Emissions (as to tons/year	applicable):			
6.	Emission Factor: 0.15 g/hp-hr  Reference: 40 CFR Part 60, Subpart II	111		7. Emissions Method Code:	
0 0	· <del></del>	<u> </u>	<u> </u>	<u> </u>	
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baseline From:	24-month To:	Period:	
	Projected Actual Emissions (if required): tons/year	9.b. Projected	l Monitorii ars □ 10	•	
10.	Calculation of Emissions: See Table 2-6 in PSD Report.				
11.	Potential Fugitive and Actual Emissions Con Emissions for each generator.	mment:			

POLLUTANT DETAIL INFORMATION
Page [4] of [5]
Particulate Matter - PM/PM10

# 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.

All	owable Emissions Allowable Emissions 1 o	f <u>1</u>			
1.	Basis for Allowable Emissions Code: OTHER	Future Effective Date of Allowable Emissions:			
3.	Allowable Emissions and Units: 0.15 g/hp-hr	4.	Equivalent Allowable En 0.9 lb/hour	missions: 0.07 tons/year	
5.	Method of Compliance:  Manfuacturer certification of Subpart IIII Stan	dard	<b>S</b> .		
6.	Allowable Emissions Comment (Description Section 60.4202(a)(2)	of (	Operating Method):		
Al	lowable Emissions Allowable Emissions	c	f		
1.	Basis for Allowable Emissions Code:	2.	Future Effective Date of Emissions:	Allowable	
3.	Allowable Emissions and Units:	4.	Equivalent Allowable E lb/hour	missions: tons/year	
5.	Method of Compliance:				
6.	Allowable Emissions Comment (Description	of (	Operating Method):		
A	lowable Emissions Allowable Emissions		of		
1.	Basis for Allowable Emissions Code:	2.	Future Effective Date of Emissions:	f Allowable	
3.	Allowable Emissions and Units:	4.	Equivalent Allowable E lb/hour	missions: tons/year	
5.	Method of Compliance:				
6.	Allowable Emissions Comment (Description	n of	Operating Method):		

POLLUTANT DETAIL INFORMATION
Page [5] of [5]
Volatile Organic Compounds - VOC

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

(Optional for unregulated emissions units.)

#### Potential/Estimated Fugitive Emissions

Pollutant Emitted:     VOC	2. Total Percent Efficiency of Control:			
3. Potential Emissions:		4. Synth	netically Limited?	
	4 tons/year	⊠Y€	_	
5. Range of Estimated Fugitive Emissions (as to tons/year	applicable):			
6. Emission Factor: 0.5 g/hp-hr			7. Emissions	
Reference: 40 CFR Part 60, Subpart I	111	;	Method Code: 2	
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline From:	24-month Γο:	Period:	
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected  ☐ 5 year			
10. Calculation of Emissions: See Table 2-6 in PSD Report.				
11. Potential Fugitive and Actual Emissions Comment:  Emsisions for each generator.				
!				

## EMISSIONS UNIT INFORMATION Section [4]

Section [4] Emergency Generators

# POLLUTANT DETAIL INFORMATION Page [5] of [5] Volatile Organic Compounds - VOC

# 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.

All	lowable Emissions Allowable Emissions 1 of	f <b>1</b>		
1.	Basis for Allowable Emissions Code: RULE	2.	Future Effective Date o Emissions:	f Allowable
3.	Allowable Emissions and Units: 0.5 g/hp-hr	4. Equivalent Allowable Emissions: 3.0 lb/hour 0.24 tons/year		
5.	Method of Compliance:  Manufacturer certification of Subpart IIII Stand	dard	ls.	
	Allowable Emissions Comment (Description Section 60.4202(a)(2)		Operating Method):	
Al	lowable Emissions Allowable Emissions	<u> </u>	of	
1.	Basis for Allowable Emissions Code:	2.	Future Effective Date of Emissions:	f Allowable
3.	Allowable Emissions and Units:	4.	Equivalent Allowable I lb/hour	Emissions: tons/year
5.	Method of Compliance:			
6.	Allowable Emissions Comment (Description	of	Operating Method):	
<u>A</u> l	lowable Emissions Allowable Emissions	(	of	
1.	Basis for Allowable Emissions Code:	2.	Future Effective Date of Emissions:	of Allowable
3.	Allowable Emissions and Units:	4.	Equivalent Allowable l lb/hour	Emissions: tons/year
5.	Method of Compliance:			
6.	Allowable Emissions Comment (Description	n of	Operating Method):	

Section [4]

**Emergency Generators** 

#### 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 1 of 1

!			
1.	Visible Emissions Subtype: VE20	2. Basis for Allowable Opt  ☐ Rule ☐	acity: Other
3.	Allowable Opacity: Normal Conditions:  20 % Ex Maximum Period of Excess Opacity Allower	ceptional Conditions:	100 % 60 min/hour
!	Method of Compliance: EPA Method 9		
<b>5</b> .	Visible Emissions Comment: FDEP Rule 62-296.320(4)(b)1, F.A.C. requires provided by Rule 62-210.700.	20 percent opacity. Excess	emissions
1			
Vis	sible Emissions Limitation: Visible Emissi	ons Limitation of	_
l.	Visible Emissions Subtype:	2. Basis for Allowable Opt	acity: Other
3.	Allowable Opacity: Normal Conditions: % Ex Maximum Period of Excess Opacity Allower	ceptional Conditions:	% min/hour
!	Method of Compliance:		
5.	Visible Emissions Comment:		
į			

#### H. CONTINUOUS MONITOR INFORMATION

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

<u>Co</u>	ontinuous Monitoring System: Continuous	Mor	intor of	_
1.	Parameter Code:	2.	Pollutant(s):	
3.	CMS Requirement:		Rule	☐ Other
4.	Monitor Information Manufacturer:	-		
	Model Number:		Serial Numbe	r:
5.	Installation Date:	6.	Performance Spe	ecification Test Date:
7.	Continuous Monitor Comment:			•
<u>C</u> 0	ontinuous Monitoring System: Continuous	Mor	nitor of	_
1.	Parameter Code:		2. Pollutant(s):	
3.			Rule	Other
4.	Monitor Information  Manufacturer:  Model Number:		Serial Numbe	»r·
5.				Specification Test Date:
7.	Continuous Monitor Comment:	1		

#### I. EMISSIONS UNIT ADDITIONAL INFORMATION

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

1.	Process Flow Diagram (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)  Attached, Document ID: PSD Report 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)  Attached, Document ID: PSD Report 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)  Attached, Document ID: PSD Report 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)  Attached, Document ID: Previously Submitted, Date  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)  Attached, Document ID: Previously Submitted, Date  Not Applicable
6;	Compliance Demonstration Reports/Records  Attached, Document ID: Test Date(s)/Pollutant(s) Tested:
,	Previously Submitted, Date: Test Date(s)/Pollutant(s) Tested:
	To be Submitted, Date (if known): Test Date(s)/Pollutant(s) Tested:
i	☑ 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  ☐ Attached, Document ID: PSD Report ☐ Not Applicable

Section [4] Emergency Generators

#### Additional Requirements for Air Construction Permit Applications

<u> </u>	sis (Rules 62-212.400(10) and 62-212.500(7),
F.A.C.; 40 CFR 63.43(d) and (e))  Attached, Document ID: PSD Report	Not Applicable
	t Analysis (Rule 62-212.400(4)(d), F.A.C., and
2. Good Engineering Practice Stack Height Rule 62-212.500(4)(f), F.A.C.)	Analysis (Rule 02-212.400(4)(d), F.A.C., and
Attached, Document ID:	Not Applicable     ■
3. Description of Stack Sampling Facilities facilities only)	s (Required for proposed new stack sampling
Attached, Document ID:	Not Applicable
Additional Requirements for Title V Air	Operation Permit Applications
Identification of Applicable Requirement	
Attached, Document ID:	☐ Not Applicable
2. Compliance Assurance Monitoring	
Attached, Document ID:	☐ Not Applicable
3. Alternative Methods of Operation	
Attached, Document ID:	☐ Not Applicable
4. Alternative Modes of Operation (Emission	
Attached, Document ID:	☐ Not Applicable
5. Acid Rain Part Application	
☐ Certificate of Representation (EPA F	
Copy Attached, Document ID:	
☐ Acid Rain Part (Form No. 62-210.90	
Attached, Document ID:	
Previously Submitted, Date:	
Repowering Extension Plan (Form)	
Attached, Document ID:	
Previously Submitted, Date:	
☐ New Unit Exemption (Form No. 62-☐ Attached, Document ID:	
Previously Submitted, Date:	
Retired Unit Exemption (Form No. 6	
Attached, Document ID:	2 210.500(1)(u)5.)
☐ Previously Submitted, Date:	
☐ Phase II NOx Compliance Plan (For	
☐ Attached, Document ID:	
☐ Previously Submitted, Date:	
☐ Phase II NOx Averaging Plan (Form	No. 62-210.900(1)(a)5.)
Attached, Document ID:	
Previously Submitted, Date:	
Not Applicable     Not	

EMISSIONS UNIT INFORMATION Section [4] Emergency Generators Additional Requirements Comment	
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Section [5]
Cooling Towers

#### III. EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Application - For Title V air operation permitting only, emissions units are classified as regulated, unregulated, or insignificant. If this is an application for Title V air operation permit, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each regulated and unregulated emissions unit addressed in this application for air permit. Some of the subsections comprising the Emissions Unit Information Section of the form are optional for unregulated emissions units. Each such subsection is appropriately marked. Insignificant emissions units are required to be listed at Section II, Subsection C.

Air Construction Permit or FESOP Application - For air construction permitting or federally enforceable state air operation permitting, emissions units are classified as either subject to air permitting or exempt from air permitting. The concept of an "unregulated emissions unit" does not apply. If this is an application for air construction permit or FESOP, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air permitting are required to be listed at Section II, Subsection C.

Air Construction Permit and Revised/Renewal Title V Air Operation Permit Application — Where this application is used to apply for both an air construction permit and a revised/renewal Title V air operation permit, each emissions unit is classified as either subject to air permitting or exempt from air permitting for air construction permitting purposes and as regulated, unregulated, or insignificant for Title V air operation permitting purposes. The air construction permitting classification must be used to complete the Emissions Unit Information Section of this application for air permit. A separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air construction permitting and insignificant emissions units are required to be listed at Section II, Subsection C.

If submitting the application form in hard copy, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application must be indicated in the space provided at the top of each page.

## 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.				
<u>En</u>	issions Unit	Description and Sta	<u>tus</u>		
1.	Type of Emis	ssions Unit Addresse	d in this Sectio	n: (Check one)	
	process of		activity, which	Iresses, as a single emi produces one or more int (stack or vent).	<del>-</del>
	process o		d activities wh	ich has at least one de	issions unit, a group of finable emission point
				lresses, as a single em es which produce fugi	
2.		of Emissions Unit Adical Draft Cooling Tov		Section:	
3.	Emissions U	nit Identification Nur	nber:	<del></del>	
4.	Emissions Unit Status Code:	5. Commence Construction Date:	6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code:	8. Acid Rain Unit? ☐ Yes ☑ No
9.	Package Unit: Manufacturer: Model Number:				
10	0. Generator Nameplate Rating: MW				
11	Emissions U	nit Comment:		<del></del>	· · · · · · · · · · · · · · · · · · ·
				<u> </u>	

## **Emissions Unit Control Equipment**

1.	Control Equipment/Method(s) Description:  Mist Eliminators.
2	. Control Device or Method Code(s): 014

Section [5] Cooling Towers

#### **B. EMISSIONS UNIT CAPACITY INFORMATION**

(Optional for unregulated emissions units.)

### **Emissions Unit Operating Capacity and Schedule**

1.	Maximum Process or Throughput Rate:		
2.	Maximum Production Rate:		
3.	Maximum Heat Input Rate:	million Btu/hr	
4.	Maximum Incineration Rate:	pounds/hr	
	i	tons/day	
5.	Requested Maximum Operating	g Schedule:	
	!	24 hours/day	7 days/week
	1	52 weeks/year	8,760 hours/year
6.	Operating Capacity/Schedule C	omment:	
	i		
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	1		
			<del> </del>

# C. EMISSION POINT (STACK/VENT) INFORMATION (Optional for unregulated emissions units.)

**Emission Point Description and Type** 

	Identification of Point on Plot Plan or Flow Diagram: See PSD Report		2. Emission Point T		
	Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:  32 Cooling Tower Cells				
	ID Numbers or Descriptio	ns of Emission Ur	nits with this Emission		
5.	Discharge Type Code: V	6. Stack Height 50 feet	:	7. Exit Diameter: 35 feet	
8.	Exit Temperature: 98°F	9. Actual Volum 1,342,235 acf	netric Flow Rate:	10. Water Vapor: %	
11	Maximum Dry Standard Flow Rate:     dscfm		12. Nonstack Emission Point Height: feet		
i	3. Emission Point UTM Coordinates Zone: East (km): North (km):		14 5	atituda/I anaituda	
13			14. Emission Point I Latitude (DD/M Longitude (DD/I	M/SS)	
	Zone: East (km):	): :	Latitude (DD/M	M/SS)	
	Zone: East (km): North (km) Emission Point Comment	): :	Latitude (DD/M	M/SS)	
	Zone: East (km): North (km) Emission Point Comment	): :	Latitude (DD/M	M/SS)	
	Zone: East (km): North (km) Emission Point Comment	): :	Latitude (DD/M	M/SS)	

Section [5] Cooling Towers

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

Seg	Segment Description and Rate: Segment of				
1.	1. Segment Description (Process/Fuel Type):				
	1				
			<del></del>		
2.	Source Classification Code	e (SCC):	3. SCC Units	<b>5</b> :	
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:				
	1	· <u>-</u> · · · ·	<u>-</u>		
Seg	ment Description and Ra	ite: Segment	of		
1.	Segment Description (Pro-	cess/Fuel Type):			
					:
	•				
2.	Source Classification Cod	e (SCC):	3. SCC Units	s:	
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:	<u>'</u>			

#### E. EMISSIONS UNIT POLLUTANTS

## List of Pollutants Emitted by Emissions Unit

Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM	014		WP
PM10	014		WP
<del> </del>			
· .			
<del></del>			
		-	
			<del>  -</del>
	-		
<del></del>			

## EMISSIONS UNIT INFORMATION Section [5]

**Cooling Towers** 

POLLUTANT DETAIL INFORMATION
Page [1] of [2]
Particulate Matter Total - PM

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

(Optional for unregulated emissions units.)

#### Potential/Estimated Fugitive Emissions

1. Pollutant Emitted:	2. Total Perce	ent Efficie	ency of Control:
3. Potential Emissions:		4. Synth	etically Limited?
28.8 lb/hour 126.3	3 tons/year	☐ Ye	•
5. Range of Estimated Fugitive Emissions (as to tons/year	applicable):		
6. Emission Factor: 0.0005% Drift Rate  Reference: FPL, 2006			7. Emissions Method Code: 2
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 2 From:	24-month To:	Period:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected ☐ 5 yea	Monitorir rs ☐ 10	_
10. Calculation of Emissions: See Table 2-3 in PSD Report.			
11. Potential Fugitive and Actual Emissions Co- Emsisions for each cooling tower.	mment:		

POLLUTANT DETAIL INFORMATION
Page [1] of [2]
Particulate Matter Total - PM

# 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.

CHI	ussions inneation.				
<u>All</u>	lowable Emissions Allowable Emissions 10				
1.	Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:			
3.	Allowable Emissions and Units:	4. Equivalent Allowable Emissions:			
	0.0005 percent of CW	28.8 lb/hour 126.3 tons/year			
5.	Method of Compliance:  Design certification from manufacturer.				
6.	<ol> <li>Allowable Emissions Comment (Description of Operating Method):</li> <li>CW = circulating water.</li> </ol>				
Al	lowable 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	on of Operating Method):			
Al	llowable 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	on of Operating Method):			

## EMISSIONS UNIT INFORMATION Section [5]

**Cooling Towers** 

POLLUTANT DETAIL INFORMATION
Page [2] of [2]
Particulate Matter - PM10

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

(Optional for unregulated emissions units.)

#### Potential/Estimated Fugitive Emissions

1.	Pollutant Emitted: PM10	2. Total Perce	ent Efficie	ency of Control:
3.	Potential Emissions: 1.77 lb/hour 7.7	tons/year	4. Synth □ Ye	netically Limited?
	Range of Estimated Fugitive Emissions (as to tons/year	applicable):		
	Emission Factor: 0.0005 percent Drift Rate  Reference: FPL, 2006			7. Emissions Method Code: 2
	. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 2 From: T	24-month To:	Period:
9.a	Projected Actual Emissions (if required): tons/year	9.b. Projected  5 year	Monitorii rs □ 10	
10.	10. Calculation of Emissions: See Table 2-3 in PSD Report.			
11.	11. Potential Fugitive and Actual Emissions Comment:  Emissions for each cooling tower.			

POLLUTANT DETAIL INFORMATION
Page [2] of [2]
Particulate Matter - PM10

# 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 1 of 1

1.	OTHER	Emissions:			
3.	Allowable Emissions and Units: 0.0005 percent of CW	4. Equivalent Allowable Emissions: 1.77 lb/hour 7.7 tons/year			
	Method of Compliance:  Design certification from manufacturer.				
	<ol> <li>Allowable Emissions Comment (Description of Operating Method):</li> <li>CW = circulating water.</li> </ol>				
	lowable Emissions Allowable Emissions				
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			
	Method of Compliance:  Allowable Emissions Comment (Description	of Operating Method):			
<u>A</u> ]	lowable 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.	6. Allowable Emissions Comment (Description of Operating Method):				

#### 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 Emis	sions Limitation of	
1. Visible Emissions Subtype:	2. Basis for Allowable Opacit  Rule	y: ther
3. Allowable Opacity: Normal Conditions: % F Maximum Period of Excess Opacity Allow	Exceptional Conditions: wed:	% min/hour
4. Method of Compliance:		
5. Visible Emissions Comment:	-	
Visible Emissions Limitation: Visible Emis	··, ·· —	
Visible Emissions Subtype:	2. Basis for Allowable Opaci	ty: Other
3. Allowable Opacity: Normal Conditions: % I Maximum Period of Excess Opacity Allo	Exceptional Conditions: wed:	% min/hour
4. Method of Compliance:		
5. Visible Emissions Comment:		
1		
!		

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#### 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. Polluta	nt(s):	
3.	CMS Requirement:	☐ Rule	☐ Other	
4.	Monitor Information  Manufacturer:  Model Number:	Ser	ial Number:	
5.	Installation Date:	6. Perform	nance Specification Test Date:	
7.	Continuous Monitor Comment:			
	ontinuous Monitoring System: Continuous	Monitor	of	
	ontinuous Monitoring System: Continuous Parameter Code:		of lutant(s):	
	Parameter Code:  CMS Requirement:			
1.	Parameter Code:  CMS Requirement:  Monitor Information  Manufacturer:	2. Pol	lutant(s):	
3.	Parameter Code:  CMS Requirement:  Monitor Information	2. Pol	lutant(s):	

Section [5] Cooling Towers

#### 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)
2.	Attached, Document ID: PSD Report Previously Submitted, Date  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
1	the previous five years and would not be altered as a result of the revision being sought)  Attached, Document ID: 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)  Attached, Document ID: PSD Report 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)  Attached, Document ID: Previously Submitted, Date
5!	<ul> <li>Not Applicable (construction application)</li> <li>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)</li> <li>☐ Attached, Document ID: ☐ Previously Submitted, Date</li> <li>☑ Not Applicable</li> </ul>
6.	Compliance Demonstration Reports/Records  Attached, Document ID:  Test Date(s)/Pollutant(s) Tested:
	Previously Submitted, Date: Test Date(s)/Pollutant(s) Tested:
	To be Submitted, Date (if known): Test Date(s)/Pollutant(s) Tested:
,	☑ 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   ☐ Attached, Document ID: PSD Report ☐ Not Applicable

Section [5] Cooling Towers

### Additional Requirements for Air Construction Permit Applications

1. Control Technology Review and Analysis (Rules 62-212.400(10) and 62-212.500(7),		
F.A.C.; 40 CFR 63.43(d) and (e))		
☐ Attached, Document ID: PSD Report ☐ Not Applicable		
2. Good Engineering Practice Stack Height Analysis (Rule 62-212.400(4)(d), F.A.C., and		
Rule 62-212.500(4)(f), F.A.C.)		
☐ Attached, Document ID: PSD Report ☐ Not Applicable		
3. Description of Stack Sampling Facilities (Required for proposed new stack sampling		
facilities only)		
Attached, Document ID: Not Applicable		
Additional Requirements for Title V Air Operation Permit Applications		
1. Identification of Applicable Requirements		
Attached, Document ID: Not Applicable		
2. Compliance Assurance Monitoring		
Attached, Document ID: Not Applicable		
3. Alternative Methods of Operation		
Attached, Document ID: Not Applicable		
4. Alternative Modes of Operation (Emissions Trading)		
Attached, Document ID: Not Applicable		
5. Acid Rain Part Application		
Certificate of Representation (EPA Form No. 7610-1)		
☐ Copy Attached, Document ID: ☐ Acid Rain Part (Form No. 62-210.900(1)(a))		
Attached, Document ID:		
Previously Submitted, Date:		
Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)		
Attached, Document ID:		
Previously Submitted, Date:		
☐ New Unit Exemption (Form No. 62-210.900(1)(a)2.)		
Attached, Document ID:		
☐ Previously Submitted, Date:		
Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)		
Attached, Document ID:		
☐ Previously Submitted, Date:		
☐ Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.)		
☐ Attached, Document ID:		
☐ Previously Submitted, Date:		
☐ Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.)		
Attached, Document ID:		
Previously Submitted, Date:		
Not Applicable Not Applicable		

EMISSIONS UNIT INFORMATION Section [5] Cooling Towers	
Additional Requirements Comment	·

#### EMISSIONS UNIT INFORMATION Section [6] Material Handling

#### III. EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Application - For Title V air operation permitting only, emissions units are classified as regulated, unregulated, or insignificant. If this is an application for Title V air operation permit, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each regulated and unregulated emissions unit addressed in this application for air permit. Some of the subsections comprising the Emissions Unit Information Section of the form are optional for unregulated emissions units. Each such subsection is appropriately marked. Insignificant emissions units are required to be listed at Section II, Subsection C.

Air Construction Permit or FESOP Application - For air construction permitting or federally enforceable state air operation permitting, emissions units are classified as either subject to air permitting or exempt from air permitting. The concept of an "unregulated emissions unit" does not apply. If this is an application for air construction permit or FESOP, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air permitting are required to be listed at Section II, Subsection C.

Air Construction Permit and Revised/Renewal Title V Air Operation Permit Application — Where this application is used to apply for both an air construction permit and a revised/renewal Title V air operation permit, each emissions unit is classified as either subject to air permitting or exempt from air permitting for air construction permitting purposes and as regulated, unregulated, or insignificant for Title V air operation permitting purposes. The air construction permitting classification must be used to complete the Emissions Unit Information Section of this application for air permit. A separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air construction permitting and insignificant emissions units are required to be listed at Section II, Subsection C.

If submitting the application form in hard copy, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application must be indicated in the space provided at the top of each page.

## **EMISSIONS UNIT INFORMATION** Section [6] Material Handling

## 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.)				
	<ul> <li>☐ The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.</li> <li>☐ The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.</li> </ul>				
En	1	Description and Sta	tus		
1.	I	ssions Unit Addresse		n: (Check one)	
	This Emis	ssions Unit Informati	ion Section add activity, which	lresses, as a single em produces one or more	
	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:  Material Handling (coal, limestone, reagents and by-products - bottom ash, fly ash, gypsum)				
3.	Emissions U	nit Identification Nur	mber: <b>006</b>		
4.	Emissions Unit Status Code: C	5. Commence Construction Date: 2008	6. Initial Startup Date: 2012	7. Emissions Unit Major Group SIC Code: 49	8. Acid Rain Unit? ☐ Yes ☑ No
9.			<u> </u>	<u> </u>	<u> </u>
	Manufacture		3 4337	Model Number:	
	10. Generator Nameplate Rating: MW  11. Emissions Unit Comment:				
En	nission unit co			es that include 17 sou	rces with vents. See

#### EMISSIONS UNIT INFORMATION Section [6] Material Handling

#### **Emissions Unit Control Equipment**

1.	Control Equipment/Method(s) Description: Vent filters Enclosures Watering (as necessary) Chemical stabilization (as necessary) Road cleaning (as necessary) Miscellaneous	
-		

2. Control Device or Method Code(s): 054, 061, 062, 101, 106, 108, 143, 099

Section [6]
Material Handling

#### **B. EMISSIONS UNIT CAPACITY INFORMATION**

(Optional for unregulated emissions units.)

#### **Emissions Unit Operating Capacity and Schedule**

1.	Maximum Process or Throughp	out Rate: See Appendix A	
2.	Maximum Production Rate:		
3.	Maximum Heat Input Rate:	million Btu/hr	
4.	Maximum Incineration Rate:	pounds/hr	
	i	tons/day	
5.	Requested Maximum Operating	Schedule:	
	}	24 hours/day	7 days/week
	1	52 weeks/year	8,760 hours/year
6.	Operating Capacity/Schedule C	omment:	
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Section [6] Material Handling

#### 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: See PSD Report		2. Emission Point T		
3.	•				
4.	ID Numbers or Descriptio	ns of Emission Ui	nits with this Emission		
5.	Discharge Type Code:	6. Stack Height feet	<b>:</b>	7. Exit Diameter: feet	
8.	8. Exit Temperature: 9. Actual Volumer acfm		metric Flow Rate: 10. Water Vapor:		
11	11. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: feet		
13	. Emission Point UTM Coo Zone: East (km): North (km)		14. Emission Point I Latitude (DD/M Longitude (DD/I	, ,	
15	. Emission Point Comment See Appendix A in PSD Re		rmation.		
1					

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

Segment Description and Rate: Segment 1 of 4

1.	Segment Description (Process/Fuel Type): Coal, pet coke						
2.	Source Classification Code (SCC): 3. SCC Units: tons						
4.	Maximum Hourly Rate: 4,000	5. Maximum <b>6,744,425</b>	Annual Rate:	6.	Estimated Annual Activity Factor:		
7.	Maximum % Sulfur:	8. Maximum <b>7.68</b>	% Ash:	9.	Million Btu per SCC Unit: 24.6		
10.	Segment Comment: See PSD Report, Appendix	<b>A</b> .					
<u>Se</u>	gment Description and Ra	ate: Segment 2 o	of <b>4</b>				
1.	Segment Description (Process/Fuel Type): Limestone						
2.	Source Classification Cod 30588802	e (SCC):	3. SCC Units	3:			
4.	Maximum Hourly Rate: 1,000	5. Maximum 499,677	Annual Rate:	6.	Estimated Annual Activity Factor:		
7.	Maximum % Sulfur:	8. Maximum	% Ash:	9.	Million Btu per SCC Unit:		
10	Segment Comment: See PSD Report, Appendix	¢ Α.					

Section [6] Material Handling

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

Segment Description and Rate: Segment 3 of 4

	Segment Description (Proc Ash - Fly ash / Bottom ash	ess/Fuel Type):					
	Source Classification Code 30588803	e (SCC):	3. SCC Units:				
4.	Maximum Hourly Rate: 48	5. Maximum 423,687	Annual Rate:	6.	Estimated Annual Activity Factor:		
7.	Maximum % Sulfur:	8. Maximum	% Ash:	9.	Million Btu per SCC Unit:		
10.	Segment Comment: See PSD Report, Appendix	<b>A</b> .		1			
	DOC TOPOTT, Appoint	· <del></del>					
Seg	ment Description and Ra	ite: Segment 4	of <b>4</b>				
1.	Segment Description (Pro- FGD By-product - Gypsum		:				
2.	Source Classification Cod	e (SCC):	3. SCC Units				
	30588804		tons				
4.	Maximum Hourly Rate: 80	5. Maximum 438,580	Annual Rate:	6.	Estimated Annual Activity Factor:		
7.	Maximum % Sulfur:	8. Maximum	% Ash:	9.	Million Btu per SCC Unit		
10.	Segment Comment: See PSD Report, Appendix	. Δ					
 	occ r ob Kepoit, Appellan	. n.					
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Section [6] Material Handling

#### E. EMISSIONS UNIT POLLUTANTS

#### List of Pollutants Emitted by Emissions Unit

1.	Pollutant Emitted	Primary Control     Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
	PM	099		
	PM10	099		
	1			
	1			
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	1			
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	1			<u></u> .
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				<del> </del> -
		<u> </u>		

#### EMISSIONS UNIT INFORMATION Section [6] Material Handling

POLLUTANT DETAIL INFORMATION
Page [1] of [1]
PM

## 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.

Pollutant Emitted:     PM	2. Total Percent Effici	iency of Control:			
3. Potential Emissions:	<u> </u>	thetically Limited?			
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year					
6. Emission Factor: Various  Reference: AP-42		7. Emissions Method Code: 2			
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month From: To:	Period:			
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitor  ☐ 5 years ☐ 10	_			
10. Calculation of Emissions: See PSD Report, Appendix A.					
11. Potential Fugitive and Actual Emissions Comment:					

Section [6] Material Handling

# POLLUTANT DETAIL INFORMATION Page [1] of [1] PM

# 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.

of <u>2</u>					
2. Future Effective Date of Allowable Emissions:					
4. Equivalent Allowable Emissions: 10.3 lb/hour 34.8 tons/year					
for control of fugitive emissions.					
6. Allowable Emissions Comment (Description of Operating Method):					
of <u>2</u>					
2. Future Effective Date of Allowable Emissions:					
4. Equivalent Allowable Emissions: 10.3 lb/hour 34.8 tons/year					
<ul> <li>Method of Compliance:         Work Practice     </li> <li>Allowable Emissions Comment (Description of Operating Method):         Rule 62-296.320(4)(c)     </li> </ul>					
of					
2. Future Effective Date of Allowable Emissions:					
4. Equivalent Allowable Emissions:  1b/hour tons/year					
6. Allowable Emissions Comment (Description of Operating Method):					

#### EMISSIONS UNIT INFORMATION Section [6] Material Handling

#### 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 1 of 1

1.	Visible Emissions Subtype: VE20	2. Basis for Allowable   ⊠ Rule	Opacity:  Other
3.	Allowable Opacity: Normal Conditions:  20 % Ex Maximum Period of Excess Opacity Allower	cceptional Conditions: ed:	% min/hour
4.	Method of Compliance: EPA Method 9 for v	ent sources.	
5.	Visible Emissions Comment: Rule 62-296.32	20(4)(b)	
Vis	sible Emissions Limitation: Visible Emissi	ons Limitation of _	
1.	Visible Emissions Subtype:	2. Basis for Allowable Rule	Opacity:  Other
3.	Allowable Opacity: Normal Conditions: % Ex Maximum Period of Excess Opacity Allower	cceptional Conditions:	% min/hour
4.	Method of Compliance:		
5.	Visible Emissions Comment:		

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Material Handling

#### H. CONTINUOUS MONITOR INFORMATION

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

<u></u>	ntinuous Monitoring System: Continuous			
1.	Parameter Code:	2.	Pollutant(s):	
3.	CMS Requirement:		Rule	ther
4.	Monitor Information Manufacturer:			
 	Model Number:		Serial Number:	
5.	Installation Date:	6.	Performance Specificat	ion Test Date:
7.	Continuous Monitor Comment:			ï
!				
<u>'</u>				
<u>Co</u>	ntinuous Monitoring System: Continuous	Mon	nitor of	
1	Parameter Code:		2 Dallatant(a)	
**			2. Pollutant(s):	
3.	CMS Requirement:			Other
·				Other
3.	CMS Requirement:  Monitor Information			Other
3.	CMS Requirement:  Monitor Information  Manufacturer:		Rule 🗍 C	
3.	CMS Requirement:  Monitor Information  Manufacturer:  Model Number:		Rule	
3.	CMS Requirement:  Monitor Information  Manufacturer:  Model Number:  Installation Date:		Rule	
3.	CMS Requirement:  Monitor Information  Manufacturer:  Model Number:  Installation Date:		Rule	
3.	CMS Requirement:  Monitor Information  Manufacturer:  Model Number:  Installation Date:		Rule	
3.	CMS Requirement:  Monitor Information  Manufacturer:  Model Number:  Installation Date:		Rule	
3.	CMS Requirement:  Monitor Information  Manufacturer:  Model Number:  Installation Date:		Rule	
3.	CMS Requirement:  Monitor Information  Manufacturer:  Model Number:  Installation Date:		Rule	

#### EMISSIONS UNIT INFORMATION Section [6] Material Handling

#### 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)  Attached, Document ID: PSD Report 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)  Attached, Document ID: 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)  Attached, Document ID: PSD Report 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)  Attached, Document ID: Previously Submitted, Date  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)  Attached, Document ID: Previously Submitted, Date  Not Applicable
6.	Compliance Demonstration Reports/Records  Attached, Document ID: Test Date(s)/Pollutant(s) Tested:
	Previously Submitted, Date: Test Date(s)/Pollutant(s) Tested:
	☐ To be Submitted, Date (if known): Test Date(s)/Pollutant(s) Tested:
	Not Applicable     ■     Not Applicable     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  ☑ Attached, Document ID: PSD Report ☐ Not Applicable

Section [6] Material Handling

#### Additional Requirements for Air Construction Permit Applications

1.	Control Technology Review and Analysis (Rules 62-212.400(10) and 62-212.500(7),				
	F.A.C.; 40 CFR 63.43(d) and (e))				
		╛			
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.400(4)(d), F.A.C., and	١			
	Rule 62-212.500(4)(f), F.A.C.)	١			
	☐ Attached, Document ID: ☐ ☑ Not Applicable	╛			
3.	Description of Stack Sampling Facilities (Required for proposed new stack sampling				
1	facilities only)				
ì	☐ Attached, Document ID: ⊠ Not Applicable				
Ac	dditional Requirements for Title V Air Operation Permit Applications				
1.	Identification of Applicable Requirements	٦			
	☐ Attached, Document ID: ☐ Not Applicable	١			
2.	Compliance Assurance Monitoring	٦			
!	Attached, Document ID: Not Applicable	╛			
3.	Alternative Methods of Operation	7			
!.	Attached, Document ID: Not Applicable	╛			
4.	Alternative Modes of Operation (Emissions Trading)				
	Attached, Document ID: Not Applicable	╛			
5.	Acid Rain Part Application				
i	Certificate of Representation (EPA Form No. 7610-1)	۱			
	Copy Attached, Document ID:				
	Acid Rain Part (Form No. 62-210.900(1)(a))				
	Attached, Document ID:				
	Previously Submitted, Date:				
١	☐ Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) ☐ Attached, Document ID:	İ			
	Previously Submitted, Date:	1			
	☐ New Unit Exemption (Form No. 62-210.900(1)(a)2.)	İ			
	Attached, Document ID:	١			
	Previously Submitted, Date:	١			
	Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)	١			
ı	Attached, Document ID:	١			
i	☐ Previously Submitted, Date:	١			
1	Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.)	١			
	Attached, Document ID:				
	Previously Submitted, Date:				
	Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.)				
ı	Attached, Document ID:				
	Previously Submitted, Date:				
	Not Applicable	1			

DEP Form No. 62-210.900(1) – Form Effective: 02/02/06

# Section [6] Material Handling Additional Requirements Comment

**EMISSIONS UNIT INFORMATION** 

Section [7] Fire Pump

#### III. EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Application - For Title V air operation permitting only, emissions units are classified as regulated, unregulated, or insignificant. If this is an application for Title V air operation permit, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each regulated and unregulated emissions unit addressed in this application for air permit. Some of the subsections comprising the Emissions Unit Information Section of the form are optional for unregulated emissions units. Each such subsection is appropriately marked. Insignificant emissions units are required to be listed at Section II, Subsection C.

Air Construction Permit or FESOP Application - For air construction permitting or federally enforceable state air operation permitting, emissions units are classified as either subject to air permitting or exempt from air permitting. The concept of an "unregulated emissions unit" does not apply. If this is an application for air construction permit or FESOP, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air permitting are required to be listed at Section II, Subsection C.

Air Construction Permit and Revised/Renewal Title V Air Operation Permit Application — Where this application is used to apply for both an air construction permit and a revised/renewal Title V air operation permit, each emissions unit is classified as either subject to air permitting or exempt from air permitting for air construction permitting purposes and as regulated, unregulated, or insignificant for Title V air operation permitting purposes. The air construction permitting classification must be used to complete the Emissions Unit Information Section of this application for air permit. A separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air construction permitting and insignificant emissions units are required to be listed at Section II, Subsection C.

If submitting the application form in hard copy, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application must be indicated in the space provided at the top of each page.

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#### A. GENERAL EMISSIONS UNIT INFORMATION

#### Title V Air Operation Permit Emissions Unit Classification

1.	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.						
<u>Er</u>	missions Unit	Description and Sta	tus				
1.	Type of Emis	ssions Unit Addresse	d in this Sectio	n: (Check one)			
	process o which has	r production unit, or s at least one definab	activity, which le emission por		e air pollutants and		
	process o	ssions Unit Informati r production units an vent) but may also pr	d activities wh	ich has at least one de	issions unit, a group of finable emission point		
				lresses, as a single em es which produce fugi			
2.							
3.	Emissions U	nit Identification Nu	mber: <b>007</b>				
4.	Emissions	5. Commence	6. Initial	7. Emissions Unit	8. Acid Rain Unit?		
	Unit Status	Construction	Startup	Major Group	☐ Yes		
	Code: C	Date: <b>2008</b>	Date: <b>2012</b>	SIC Code:	⊠ No		
9.	Package Uni	t:					
	Manufacture			Model Number:	<u>-</u>		
L		Nameplate Rating:	MW		· · · · · · · · · · · · · · · · · · ·		
	. Emissions U formation from		ator manufactu	rer to be determined.	Information based on		
ŀ							

### EMISSIONS UNIT INFORMATION Section [7]

Section [7] Fire Pump

#### **Emissions Unit Control Equipment**

Control Equipment/Method(s) Description:     Good combustion practices - Diesel fuel fired.	
2. Control Device or Method Code(s): NA	

#### **B. EMISSIONS UNIT CAPACITY INFORMATION**

(Optional for unregulated emissions units.)

#### **Emissions Unit Operating Capacity and Schedule**

1.	Maximum Process or Throughpo	ut Rate:	
2.	Maximum Production Rate:		
3.	Maximum Heat Input Rate: 3.5 r	million Btu/hr	
4.	Maximum Incineration Rate:	pounds/hr	
		tons/day	
5.	Requested Maximum Operating	Schedule:	
		hours/day	days/week
		52 weeks/year	40 hours/year
6.	Operating Capacity/Schedule Co	omment:	

Section [7] Fire Pump

## C. EMISSION POINT (STACK/VENT) INFORMATION (Optional for unregulated emissions units.)

**Emission Point Description and Type** 

1.	Identification of Point on Flow Diagram: See PSD R	,	2. Emission Point	Гуре Code:	
3.	Descriptions of Emission		this Emissions Unit	for VF Tracking:	
Э.	Descriptions of Emission .	i onits Comprising	g tins Elitissions Onit	for VE Hacking.	
	1				
	•				
4.	ID Numbers or Descriptio	ns of Emission Ur	nits with this Emissio	n Point in Common:	
	1				
	1				
5.	Discharge Type Code:	6. Stack Height	<u> </u>	7. Exit Diameter:	
	V	feet		feet	
8.	Exit Temperature:	9. Actual Volum	netric Flow Rate:	10. Water Vapor:	
	°F	acfm		%	
11.	Maximum Dry Standard F dscfm	low Rate:	12. Nonstack Emiss feet	ion Point Height:	
13.	Emission Point UTM Coo	rdinates	14. Emission Point Latitude/Longitude		
	Zone: East (km):		Latitude (DD/M		
	North (km)	) <b>:</b>	Longitude (DD/	MM/SS)	
15.	Emission Point Comment				
	Information to be supplied	in Title V applicat	ion.		
	1				
	1				
	1				
	1				
			····		

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

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type):

2. Source Classification Cod	e (SCC):	3. SCC Units 1,000 gallo		
4. Maximum Hourly Rate: 0.029	5. Maximum . 1.156	Annual Rate:	6.	Estimated Annual Activity Factor:
7. Maximum % Sulfur: 0.0015	8. Maximum	% Ash:	9.	Million Btu per SCC Unit: 135.1
Maximum annual rate base	eu on 100 m/yi o			
Segment Description and R	ate: Segment	of		
1. Segment Description (Process/Fuel Type):				
2. Source Classification Coo	le (SCC):	3. SCC Unit	s:	
<ol> <li>Source Classification Cod</li> <li>Maximum Hourly Rate:</li> </ol>	·	3. SCC Unit Annual Rate:		Estimated Annual Activity Factor:
	·	Annual Rate:	6.	Estimated Annual Activity Factor: Million Btu per SCC Unit

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Section [7] Fire Pump

#### E. EMISSIONS UNIT POLLUTANTS

#### List of Pollutants Emitted by Emissions Unit

1.	Pollutant Emitted	Primary Control     Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
	со			EL
	PM/PM <sub>10</sub>			EL
	NO <sub>x</sub>			EL
	SO <sub>2</sub>	Fuel Quality		NS
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POLLUTANT DETAIL INFORMATION
Page [1] of [5]
Carbon Monoxide

## 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.

Pollutant Emitted:     CO	2. Total Percent Efficie	ency of Control:		
3. Potential Emissions:	4. Syntl	netically Limited?		
3.1 lb/hour 0.06	6 tons/year ⊠ Ye	es 🗌 No		
5. Range of Estimated Fugitive Emissions (as	applicable):			
to tons/year				
6. Emission Factor: 2.6 grams per horsepowe	r hour (g/hp-hr)	7. Emissions		
Reference: 40 CFR Part 60 Subpart III	u	Method Code:		
8.a. Baseline Actual Emissions (if required):	8.b. Baseline 24-month			
tons/year	From: To:	renou:		
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitori  ☐ 5 years ☐ 10	•		
tons, year	☐ 5 years ☐ 10	years		
	····	· · · · · · · · · · · · · · · · · · ·		
10. Calculation of Emissions:  See Table 2-6 in PSD Report.				
occ rable 2-0 iii i ob Keport.				
11. Potential Fugitive and Actual Emissions Comment:				
Emissions for each generator.				

### EMISSIONS UNIT INFORMATION Section 171

POLLUTANT DETAIL INFORMATION
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Carbon Monoxide - CO

#### Section [7] Fire Pump

# 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.

<u>All</u>	Allowable Emissions 1 of 1				
1.	Basis for Allowable Emissions Code:	2.	Future Effective Date of Allowable Emissions:		
3.	Allowable Emissions and Units:	4.	Equivalent Allowable Emissions:		
	2.6 g/hp-hr		<b>3.1</b> lb/hour <b>0.6</b> tons/year		
	Method of Compliance: Manufacturer certification of Subpart IIII stand				
	6. Allowable Emissions Comment (Description of Operating Method):  Section 60.4202(d)				
All	lowable 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		
5.	Method of Compliance:				
		_			
6.	Allowable Emissions Comment (Description	of (	Operating Method):		
	_				
	lowable 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	n of	Operating Method):		

POLLUTANT DETAIL INFORMATION
Page [2] of [5]
Nitrogen Oxides - NOx

## 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: NO <sub>x</sub>	2. Total Perce	otal Percent Efficiency of Control:	
3. Potential Emissions:		4. Synth	etically Limited?
<b>3.57</b> lb/hour <b>0.07</b>	tons/year	⊠ Ye	s 🗌 No
5. Range of Estimated Fugitive Emissions (as to tons/year	applicable):		
6. Emission Factor: 3 g/hp-hr			7. Emissions
Reference: 40 CFR Part 60, Subpart II	ii		Method Code: 2
8.a. Baseline Actual Emissions (if required):	8.b. Baseline 2	24-month	Period:
tons/year	From: T	o:	
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected  5 year	Monitorings 10	
10. Calculation of Emissions: See Table 2-6 in PSD Report			
11. Potential Fugitive and Actual Emissions Con Emissions for each generator.	mment:		

Section [7] Fire Pump

# POLLUTANT DETAIL INFORMATION Page [2] of [5] Nitrogen Oxides - NOx

# 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.

All	Allowable Emissions Allowable Emissions 1 of 1				
1.	Basis for Allowable Emissions Code: Rule	2.	Future Effective Date of Allowable Emissions:		
3.	Allowable Emissions and Units: 3 g/hp-hr	4.	Equivalent Allowable Emissions: 3.6 lb/hour 0.1 tons/year		
	Method of Compliance:  Manfacturer certification or Subpart IIII standa				
6.	6. Allowable Emissions Comment (Description of Operating Method):  Section 60.4202(d)				
Al	lowable Emissions Allowable Emissions	c	f		
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		
	Method of Compliance:  Allowable Emissions Comment (Description	ı of	Operating Method):		
			·		
Al	lowable 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	n of	Operating Method):		
	•				

POLLUTANT DETAIL INFORMATION
Page [3] of [5]
Sulfur Dioxide - SO2

## 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: SO <sub>2</sub>	2. Total Perc	ent Efficie	ency of Control:
3. Potential Emissions:		4. Synth	netically Limited?
<b>0.006</b> lb/hour <b>0.000</b>	1 tons/year	⊠Y€	es 🗌 No
5. Range of Estimated Fugitive Emissions (as	applicable):	· <del></del>	
to tons/year			
6. Emission Factor: 0.0015% S fuel oil			7. Emissions
_			Method Code:
Reference: FPL, 2006			2
8.a. Baseline Actual Emissions (if required):	8.b. Baseline		Period:
tons/year	From:	Го:	
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected ☐ 5 yea	Monitorians ☐ 10	-
10. Calculation of Emissions:  See Table 2-6 in PSD Report.  11. Potential Fugitive and Actual Emissions Comment:  Emissions for each generator.			

POLLUTANT DETAIL INFORMATION
Page [3] of [5]
Sulfur Dioxide - SO2

# 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.

emissions limitation.				
Allowable Emissions Allowable Emissions	<u>1</u> of <u>1</u>			
Basis for Allowable Emissions Code:     OTHER	2. Future Effective Date of Allowable Emissions:			
3. Allowable Emissions and Units: 0.0015% S fuel oil	4. Equivalent Allowable Emissions:  0.006 lb/hour  0.0001 tons/year			
5. Method of Compliance: Fuel vendor information				
6. Allowable Emissions Comment (Description of Operating Method):				
Allowable Emissions Allowable Emissions	of			
Basis for Allowable Emissions Code:	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 (Descrip	tion of Operating Method):			

POLLUTANT DETAIL INFORMATION
Page [4] of [5]
Particulate Matter - PM/PM10

## 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.

2. Total Percent Efficiency of Control:					
4. Synthetically Limited?					
r 0.004 tons/year ⊠ Yes □ No					
re Emissions (as applicable):					
7. Emissions					
Part 60, Subpart IIII Method Code: 2					
(if required): 8.b. Baseline 24-month Period:					
From: To:					
9.b. Projected Monitoring Period:  5 years 10 years					
10. Calculation of Emissions: See Table 2-6 in PSD Report.					
11. Potential Fugitive and Actual Emissions Comment:  Emissions for each generator.					
nal Emissions Comment:					

Section [7] Fire Pump

#### POLLUTANT DETAIL INFORMATION

Page [4] of [5] Particulate Matter - PM/PM10

# 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 1 of 1

1.	Basis for Allowable Emissions Code: OTHER	2.	Future Effective Date of Allowable Emissions:
3.	Allowable Emissions and Units: 0.15 g/hp-hr	4.	Equivalent Allowable Emissions:  0.18 lb/hour  0.004 tons/year
5.	Method of Compliance:  Manfuacturer certification of Subpart IIII Stand	dard	s.
6.	Allowable Emissions Comment (Description Section 60.4202(d)	of (	Operating Method):
<u>Al</u>	lowable Emissions Allowable Emissions	0	f
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
	Method of Compliance:  Allowable Emissions Comment (Description	of (	Operating Method):
Al	lowable Emissions Allowable Emissions	0	
_	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
	Method of Compliance:		
0.	Allowable Emissions Comment (Description	of(	Operating Method):

POLLUTANT DETAIL INFORMATION
Page [5] of [5]
Volatile Organic Compounds - VOC

## 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: VOC 3. Potential Emissions: 4. Synthetically Limited? ⊠ Yes □ No 0.6 lb/hour 0.01 tons/year 5. Range of Estimated Fugitive Emissions (as applicable): tons/year to 6. Emission Factor: 0.5 g/hp-hr 7. Emissions Method Code: Reference: 40 CFR Part 60, Subpart IIII 8.a. Baseline Actual Emissions (if required): 8.b. Baseline 24-month Period: tons/year From: To 9.a. Projected Actual Emissions (if required): 9.b. Projected Monitoring Period: tons/year ☐ 5 years ☐ 10 years 10. Calculation of Emissions: See Table 2-6 in PSD Report. 11. Potential Fugitive and Actual Emissions Comment: Emsisions for each generator.

Section [7]
Fire Pump

# POLLUTANT DETAIL INFORMATION Page [5] of [5] Volatile Organic Compounds - VOC

# 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 1 of 1

1.	Basis for Allowable Emissions Code: RULE	2.	Future Effective Date of Allowable Emissions:
3.	Allowable Emissions and Units: 0.5 g/hp-hr	4.	Equivalent Allowable Emissions:  0.6 lb/hour  0.01 tons/year
5.	Method of Compliance:  Manufacturer certification of Subpart IIII Stand	dard	s.
6.	Allowable Emissions Comment (Description	of (	Operating Method):
Al	lowable Emissions Allowable Emissions	0	f
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
	Method of Compliance:  Allowable Emissions Comment (Description	of (	Operating Method):
	:		
Al	lowable 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 of	Operating Method):

#### 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 1 of 1

1.	Visible Emissions Subtype: VE20	2. Basis for Allowable ©   ⊠ Rule	Opacity:  Other
3.	Allowable Opacity: Normal Conditions: 20 % Ex Maximum Period of Excess Opacity Allower	ceptional Conditions:	100 % 60 min/hour
4.	Method of Compliance: EPA Method 9		
5.	Visible Emissions Comment:  FDEP Rule 62-296.320(4)(b)1, F.A.C. requires provided by Rule 62-210.700.	20 percent opacity. Exces	ss emissions
Vi	sible Emissions Limitation: Visible Emission	ons Limitation of	<del></del>
1	Visible Emissions Subtype:	2. Basis for Allowable (	Onacity:
		Rule	Other
	Allowable Opacity:	☐ Rule ceptional Conditions:	1 2
3.	Allowable Opacity: Normal Conditions: % Ex	☐ Rule ceptional Conditions:	Other

# EMISSIONS UNIT INFORMATION Section [7]

# Fire Pump 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:		Rule	Other	
	Monitor Information Manufacturer:		Serial Number		
	Model Number:				
5. 	Installation Date:	6.	Performance Spec	cification Test Date:	
7.	Continuous Monitor Comment:				
Co	Continuous Monitoring System: Continuous Monitor of				
1.	Parameter Code:		2. Pollutant(s):		
3.	CMS Requirement:		Rule	☐ Other	
4.	Monitor Information Manufacturer:				
	Model Number:		Serial Numbe	г:	
5. :	Installation Date:		6. Performance	Specification Test Date:	
7.	Continuous Monitor Comment:				

Section [7] Fire Pump

#### 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)  Attached, Document ID: PSD Report Previously Submitted, Date
2.	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)  Attached, Document ID: 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)  Attached, Document ID:  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)  Attached, Document ID: Previously Submitted, Date  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)  Attached, Document ID: Previously Submitted, Date  Not Applicable
6.	Compliance Demonstration Reports/Records  Attached, Document ID: Test Date(s)/Pollutant(s) Tested:
	Previously Submitted, Date: Test Date(s)/Pollutant(s) Tested:
	To be Submitted, Date (if known): Test Date(s)/Pollutant(s) Tested:
	☑ 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  Attached, Document ID: Not Applicable

Section [7] Fire Pump

#### Additional Requirements for Air Construction Permit Applications

	iditional Requirements for Air Construction Fernite Applications
1.	Control Technology Review and Analysis (Rules 62-212.400(10) and 62-212.500(7),
	F.A.C.; 40 CFR 63.43(d) and (e))
<u>'</u>	
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.400(4)(d), F.A.C., and
	Rule 62-212.500(4)(f), F.A.C.)
	☐ Attached, Document ID:
3.	Description of Stack Sampling Facilities (Required for proposed new stack sampling
	facilities only)
<u> </u>	☐ Attached, Document ID: ☐ Not Applicable
Ac	ditional Requirements for Title V Air Operation Permit Applications
1.	Identification of Applicable Requirements
<u> </u>	Attached, Document ID: Not Applicable
2.	Compliance Assurance Monitoring
	Attached, Document ID: Not Applicable
3.	Alternative Methods of Operation
<u> </u>	Attached, Document ID: Not Applicable
4.	Alternative Modes of Operation (Emissions Trading)
<u> </u>	Attached, Document ID: Not Applicable
3.	Acid Rain Part Application
'	Certificate of Representation (EPA Form No. 7610-1)
'	Copy Attached, Document ID:
'	☐ Acid Rain Part (Form No. 62-210.900(1)(a)) ☐ Attached, Document ID:
'	Previously Submitted, Date:
	Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)
١.	Attached, Document ID:
	Previously Submitted, Date:
	☐ New Unit Exemption (Form No. 62-210.900(1)(a)2.)
	Attached, Document ID:
	Previously Submitted, Date:
,	Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)
	Attached, Document ID:
	☐ Previously Submitted, Date:
	Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.)
	Attached, Document ID:
	Previously Submitted, Date:
	Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.)
	Attached, Document ID:
	Previously Submitted, Date:
L	Not Applicable     Not

# Section [7] Diesel Fire Pump Additional Requirements Comment

**EMISSIONS UNIT INFORMATION**