Department of

Environmental Protection

Division of Air Resource Management

SUBMITTED APPLICATION REPORT APPLICATION FOR AIR PERMIT - LONG FORM

--- Form Effective 03/11/10 ---

Application Number: 3997-1

Application Name: DEF CRYSTAL RIVER

Date Submitted: 13 January 2015

I. APPLICATION INFORMATION

Air Construction Permit - Use this form to apply for an air construction permit:

- For any required purpose at a facility operating under a federally enforceable state air operation permit (FESOP) or Title V air operation permit;
- For a proposed project subject to prevention of significant deterioration (PSD) review, nonattainment new source review, or maximum achievable control technology (MACT);
- To assume a restriction on the potential emissions of one or more pollutants to escape a requirement such as PSD review, nonattainment new source review, MACT, or Title V; or
- To establish, revise, or renew a plantwide applicability limit (PAL).

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.

To ensure accuracy, please see form instructions.

Identification of Facility

1.	Facility Owner/Company Name: DUKE ENERGY FLORIDA, INC. (DEF)							
2.	Site Name: CRYSTAL RIVER	POWER FOSS	IL P	PLANT				
3.	Facility Identification Number:	0170004						
4.	Facility Location Street Address or Other Locator: 15760 West Power Line Street							
	City: CRYSTAL RIVER	County: CITR	RUS Zip Code: 34428-6708					
5.	Relocatable Facility?		6.	Existing Titl	e V Permitted Facility			

Application Contact

1.	Application Contact Name: JAMIE HUNTER	Application Contact Job Title: Lead Environmental Specialist							
2.	Application Contact Mailing Address								
	Organization/Firm: DUKE ENERGY FLORIDA Street Address: 299 FIRST AVENUE NOR City: ST. PETERSBURG	4, INC. TH (PEF-903) State: FL	Zip Code: 33701						
3.	Application Contact Telephone Numbers								
	Telephone: (727) 820-5764 ext. Fax:								
4.	Application Contact Email Address: Jamie.Hunter@duke-energy.com								

<u>Purpose of Application</u> This application for air permit is being submitted to obtain: (Check one)

Air Construction Permit

- ☐ Air construction permit.
- □ Air construction permit to establish, revise, or renew a plantwide applicability limit (PAL).

☐ Air construction permit to establish, revise, or renew a plantwide applicability limit (PAL), and separate air construction permit to authorize construction or modification of one or more emissions units covered by the PAL.

Air Operation Permit

- $\hfill\square$ Initial Title V air operation permit.
- \checkmark 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)

- \Box Air construction permit and Title V permit revision, incorporating the proposed project.
- $\hfill\square$ 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:

 \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

DEF is submitting a Title V air operation permit revision application to install and operate additional mercury emission control systems for Units 4 and 5. Due to the lead time needed for the design, installation and operational tuning, DEF is requesting a one year extension of the MATS compliance requirements for Units 4 and 5.

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Emissions Unit ID Number	Description of Emissions Unit	Air Permit Type
3	Fossil Fuel Steam Generator-5 (Phase I & II Acid Rain Unit)	AV02
4	Fossil Fuel Steam Generator-4 (Phase I & II Acid Rain Unit)	AV02

Note: The fee calculation information associated with this application may be accessed from the Main Menu of ESPAP.

<u>Owner/Authorized Representative Statement</u> Complete if applying for an air construction permit or an initial FESOP.

1.	Owner/Authorized Represen	tative Name:	Owner/Authorized Representative Job Title:						
2.	Owner/Authorized Representative Mailing Address								
	Organization/Firm:								
	Street Address:								
	City:		State:	Zip Code:					
3.	Owner/Authorized Represen	tative Telephor	ne Numbers						
	Telephone: () -	ext.	Fax						
4.	Owner/Authorized Representative Email Address:								
5.	Owner/Authorized Representative Statement:								

Application Responsible Official Certification

1.	Application Responsible Official Name: BRIAN POWERS
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 or CAIR source.
3.	Application Responsible Official Mailing Address Organization/Firm: DUKE ENERGY Street Address: 1928 MOWRY ROAD City: GAINESVILLE State: FL Zip Code: 32611
4.	Application Responsible Official Telephone NumbersTelephone: (386)464-7714ext.Fax:
5.	Application Responsible Official Email Address: BRIAN.POWERS@DUKE-ENERGY.COM
6.	Application Responsible Official Certification: By entering my PIN below, I certify that I 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.

1.	Professional Engineer Name: Professional Engineer Name:	ofessional Eng	essional Engineer Job Title:							
	MICHAEL BALLENGER Ma	Manager of Consulting Services - FL								
	Registration Number: 69801									
2.	Professional Engineer Mailing Address									
	Organization/Firm: TRINITY CONSULTANTS	Organization/Firm: TRINITY CONSULTANTS								
	Street Address: 919 LAKE BALDWIN LANE									
	SUITE B									
	City: ORLANDO State	e: FL	Zip Code: 32814							
3.	Professional Engineer Telephone Numbers									
	Telephone: (407) 982-2891 ext.	Fax:								
4.	. Professional Engineer Email Address: MBALLENC	GER@TRINIT	YCONSULTANTS.COM							
5.	Professional Engineer Statement:									
	I hereby certify, except as particularly noted herein*	*, that:								
	(1) To the best of my knowledge, there is reasonable unit(s) and the air pollution control equipment descr properly operated and maintained, will comply with pollutant emissions found in the Florida Statutes and Protection; and	e assurance tha ribed in this ap all applicable d rules of the I	at the air pollutant emissions plication for air permit, when standards for control of air Department of Environmental							
	(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 \Box , 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 \Box , 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 \Box , it 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 irrevision or renewal for one or more newly construct \Box , if so), I further certify that, with the exception of application, each such emissions unit has been const	initial air opera ted or modified of any changes tructed or mod	ation permit or operation permit d emissions units (check here detailed as part of this ified in substantial accordance							

with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.

* Explain any exception to the certification statement.

Professional Engineer Exception Statement:

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II. FACILITY INFORMATION A. GENERAL FACILITY INFORMATION

<u>Facility Location and</u>	lype					
1. Facility UTM Coo	rdinates	2. Facility Latitude/Longitude				
Zone 17	North (km) 3204.5	Longitude (DD/MM/SS) 28° 57° 34° N Longitude (DD/MM/SS) 82° 42` 1" W				
 Governmental Facility Code: (0) NOT OWNED OR OPERATED E A FEDERAL, STATE, OR LOCA GOVERNMENT 	4. Facility Status Code: Active	5. Facility Major Group SIC Code: (49) ELECTRIC, GAS AND SANITARY SERVICES6. Facility SIC(s) Primary: 4911				
7. Facility Comment: Emissions provided total fuel consumpt	l from CEMs include startup/s ion including periods of startu	shutdown periods. Emissic up/shutdown.	ons estimates based on			
Facility Contact						
1. Facility Contact JOHN (JAMIE)	Name: HUNTER	Facility Contact Job Title: LEAD ENVIRONMENTAL SPECIALIST				
2. Facility Contact	Mailing Address					
Organization/Fi Street Addre	rm: DUKE ENERGY FLORI ess: 299 FIRST AVENUE NC	DA, INC. DRTH (PEF-903)				
C	ty: ST. PETERSBURG	State: FL Zip 33701 Code: 33701				
3. Facility Contact	Telephone Numbers					
Telephone: (72 ²	7) 820-5764 ext. Fax: (727) 82	20-5229				
4. Facility Contact	Email Address: Jamie.Hunter	r@duke-energy.com				
Facility Primary Res Complete if an "appl "primary responsible	<u>ponsible Official</u> ication responsible official" e official."	is identified in Section I.	that is not the facility			
1. Facility Primary BRIAN POWE	Responsible Official Name:	Facility Primary Responsible Official Job Title: STATION MANAGER				
2. Facility Primary Organization/Fi	Responsible Official Mailing	g Address				

Street Address: 1928 MOWRY ROAD

City: GAINESVILLE

State: FL

Zip Code: 32611

 Facility Primary Responsible Official Telephone Numbers... Telephone: (386) 464-7714 ext. Fax: 4. Facility Primary Responsible Official Email Address: BRIAN.POWERS@DUKE-ENERGY.COM <u>Facility Regulatory Classifications</u> 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:

List of Pollutants Emitted by Facility

1. Pollutants Emitted	2. Pollutant Classification	Emissions Cap [Y or N]?
РМ	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	Ν
SAM	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	Ν
РВ	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	Ν
FL	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	Ν
HAPS	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	Ν
H162	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	Ν
H107	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	Ν
NOX	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	Y
VOC	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	Ν
PM10	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	Ν
СО	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	Ν
SO2	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	Ν
H154	(C) CLASS IS UNKNOWN	Ν
PM2.5	(C) CLASS IS UNKNOWN	Ν
NH3	(C) CLASS IS UNKNOWN	Ν
H169	(C) CLASS IS UNKNOWN	Ν
H095	(C) CLASS IS UNKNOWN	Ν
СРМ	(C) CLASS IS UNKNOWN	Ν
H113	(C) CLASS IS UNKNOWN	Ν
H118	(C) CLASS IS UNKNOWN	Ν
H109	(C) CLASS IS UNKNOWN	Ν
H020	(C) CLASS IS UNKNOWN	Ν
H106	(C) CLASS IS UNKNOWN	Ν
H054	(C) CLASS IS UNKNOWN	N
H017	(C) CLASS IS UNKNOWN	N
H001	(C) CLASS IS UNKNOWN	Ν
TH	(C) CLASS IS UNKNOWN	N
H150	(C) CLASS IS UNKNOWN	N
H046	(C) CLASS IS UNKNOWN	Ν

H027	(C) CLASS IS UNKNOWN	N
H015	(C) CLASS IS UNKNOWN	N

<u>rac</u>	<u>Achity-wide of Multi-Unit Emissions Caps</u>										
1.	Pollutant Subject to Emissions Cap	2.	Facility Wide Cap [Y or N]? (all units)	3.	Emissions Unit ID No.s Under Cap (if not all units)	4.	Hourly Cap (lb/hr)	5.	Annual Cap (ton/yr)	6.	Basis for Emissions Cap
	NOX		No		3,4				2085		ESCPSD
7.	Facility-Wi	de o	or Multi-Unit	Emi	issions Cap Com	mer	ıt:				

B. Emissions Caps <u>Facility</u>-Wide or Multi-Unit Emissions Caps

http://appprod.dep.state.fl.us/epsap_eng/SubmittedApp.asp?FacID=3423&AirsID=017000... 1/14/2015

C. FACILITY ADDITIONAL INFORMATION Additional Requirements for All Applications, Except as Otherwise Stated

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1.	 Facility Plot Plan: (Required for all permit applications, except Title V air o revision applications if this information was submitted to the department wit years and would not be altered as a result of the revision being sought) □ Applicable □ Previously Submitted, Date: 	peration permit hin the previous five
2.	Process Flow Diagram(s): (Required for all permit applications, except Title permit revision applications if this information was submitted to the departm previous five years and would not be altered as a result of the revision being	V air operation ent within the sought)
	□ Applicable □ Previously Submitted, Date:	☐ Attachment
3.	Precautions to Prevent Emissions of Unconfined Particulate Matter: (Require applications, except Title V air operation permit revision applications if this submitted to the department within the previous five years and would not be the revision being sought)	ed for all permit information was altered as a result of
	□ Applicable □ Previously Submitted, Date:	□ Attachment
• • • •	itti an al Da anni ann an ta fan Alin Caractura ti an Dannaitt Anna li a ti an a	
	Area Man Showing Facility Location: (Not applicable for existing permitted	facility)
1.	\square Applicable	\Box Attachment
2	Description of Proposed Construction Modification or Plantwide Applicabi	lity Limit (PAL):
2.	\square Applicable	\square Attachment
3	Rule Applicability Analysis:	
5.		☐ Attachment
4.	List of Exempt Emissions Units:	
		□ Attachment
5.	Fugitive Emissions Identification:	
	Applicable	□ Attachment
6.	Air Quality Analysis (Rule 62-212.400(7), F.A.C.):	
		□ Attachment
7.	Source Impact Analysis (Rule 62-212.400(5), F.A.C.):	
		□ Attachment
8.	Air Quality Impact since 1977 (Rule 62-212.400(4)(e), F.A.C.):	
		□ Attachment
9.	Additional Impact Analyses (Rules 62-212.400(8) and 62-212.500(4)(e), F.A	A.C.):
		□ Attachment
10.	Alternative Analysis Requirement (Rule 62-212.500(4)(g), F.A.C.):	
		□ Attachment

□ Attachment

□ Attachment

Add	litional Requirements for FESOP Applications	
1.	List of Exempt Emissions Units:	
		□ Attachment
Add	litional Requirements for Title V Air Operation Permit Applications	
	List of Insignificant Activities: (Required for initial/renewal applications by	it not for revision
1.	applications)	
		□ Attachment
2.	Identification of Applicable Requirements (Required for initial/renewal appl revision applications if this information would be changed as a result of the sought):	lications, and for revision being
		□ Attachment
3.	Compliance Report and Plan: (Required for all initial/revision/renewal appli	cations):
	Note: A compliance plan must be submitted for each emissions unit that is n all applicable requirements at the time of application and/or at any time duri processing. The department must be notified of any changes in compliance s application processing.	ot in compliance with ng application status during
		□ Attachment
4.	List of Equipment/Activities Regulated under Title VI (If applicable, require applications only):	ed for initial/renewal
	□ Applicable □ Equipment/Activities On site but Not Required to be Individually Listed	☐ Attachment
5.	Verification of Risk Management Plan Submission to EPA (If applicable, re initial/renewal applications only):	quired for
		□ Attachment
6.	Requested Changes to Current Title V Air Operation Permit:	
		☐ Attachment
<u>Add</u>	litional Requirements for Facilities Subject to Acid Rain or CAIR Progra	<u>ım:</u>
1.	Acid Rain Program Forms:	
	Acid Rain Part Application (DEP Form No. 62-210.900(1)(a)):	
	\Box Applicable \Box Previously Submitted, Date:	□ Attachment
	Phase II NOX Averaging Plan (DEP Form No. 62-210.900(1)(a)1.):	
	□ Applicable □ Previously Submitted, Date:	☐ Attachment

2. CAIR Part (DEP Form No. 62-210.900(1)(b)):

 \Box Applicable \Box Previously Submitted, Date:

New Unit Exemption (DEP Form No. 62-210.900(1)(a)2.):

□ Previously Submitted, Date:

Other Information Regarding this Facility:

1. Other Facility Information:

□ Applicable

http://appprod.dep.state.fl.us/epsap_eng/SubmittedApp.asp?FacID=3423&AirsID=017000... 1/14/2015

✓ Attachment

Additional Requirements Comment

Application support document

Facility Attachments

Supplemental Item	Electronic File Name	Attachment Description	Electronic	Date
		_	Document	Uploaded
Other Facility Information	DEF CR TV Rev for 4 and 5 MATS Extension	Application Support	Yes	01/09/2015
	20150109.pdf			

III. EMISSIONS UNIT INFORMATION A. GENERAL EMISSIONS UNIT INFORMATION <u>Title V Air Operation Permit Emissions Unit Classification</u>

1.	(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.

Emissions Unit Description and Status

1.	 Type of Emissions Unit Addressed in this Section: (Check one) ✓ This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent). □ This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent). □ 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 unit, one or more process or production units and activities which produce fugitive emissions only. 				
2.	Description of Emiss Fossil Fuel Steam Ge	tions Unit Addressed in the enerator-5 (Phase I & II Ad	is Section: cid Rain Unit)		
3.	Emissions Unit Ident	tification Number: 3			
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date: 01-DEC-84	 Emissions Unit Major Group SIC Code: 49 	
8.	Federal Program App✓ Acid Rain Unit✓ CAIR Unit	plicability: (Check all that	apply)		
9.	Package UnitModel Number:Manufacturer:				
10.	Generator Nameplate	e Rating: 760 MW			
11.	Emissions Unit Com Pulverized coal dry b from SAM emissions min/hr of 20%.	ment: pottom boiler, wall-fired. T s while collecting data; ten	Temp demonstration sys to np VE opacity of 15%, 6-1	eval SAM is exempt nin block avg except 1 6-	

[☐] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

Emissions Unit Control Equipment

Code	Equipment	Description
10	ELECTROSTATIC PRECIPITATOR HIGH EFFICIENCY (95.0-99.9%)	Electrostatic precipitator - high efficiency
139	SCR (SELECTIVE CATALYTIC REDUCTION)	
205	LOW NOX BURNERS	
42	WET LIMESTONE INJECTION	
206	DRY SORBENT INJECTION	

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: 7200 million Bt	u/hr	
4.	Maximum Incineration Rate:	pounds/hr tons/day	
5.	Requested Maximum Operating Schedule:		
		hours/day	days/week
		hours/day weeks/year	days/week 8760 hours/year
6.	Operating Capacity/Schedule Comment:	hours/day weeks/year	days/week 8760 hours/year

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

<u>Emi</u>	nission Point Description and Type					
1.	Identification of Point on Plot Plan or Flow Diagram: EU4, SEE CR-F1-E2.		 Emission Point Type Code: 1 - A single emission point serving a single emissions unit 			
3.	Descriptions of Emission Poi	nts Comprising th	iis Emissions Unit	for VE Tracking:		
4.	ID Numbers or Descriptions	of Emission Units	with this Emissic	on Point in Common:		
5.	Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION	 Stack Height: 550 feet 		 7. Exit Diameter: 30.5 feet 		
8.	Exit Temperature: 130° F	9. Actual Volumetric Flow Rate: 2205195 acfm		10. Water Vapor: %		
11.	. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: feet			
13.	. Emission Point UTM Coordinates		14. Emission Point Latitude/Longitude			
	Zone: East (km):		Latitude:			
	North (km):		1	Longitude:		
15.	Emission Point Comment:					

D. SEGMENT (PROCESS/FUEL) INFORMATION

Seg	ment Description and Rate:	Segment 1 of 4			
1.	Segment Description (Process/Fuel Type): Bituminous coal & bituminous coal briquette mixture				
2.	Source Classification Code (S 10100202	SCC):	3. SCC Units: Tons Bitumi	nous Coal Burned	
4.	Maximum Hourly Rate: 277.7	5. Maximum Annual Rate:		6. Estimated Annual Activity Factor:	
7.	Maximum % Sulfur:	8. Maximum % Ash:		9. Million Btu per SCC Unit: 24	
10.	 Segment Comment: Bituminous coal and coal briquette. Coal fuel blends shall not exceed a max sulfur content of 3.13% by weight. 				
	Is this a valid segment? Yes				

Segment Description and Rate: Segment 2 of 4

1.	Segment Description (Process/Fuel Type): Distillate fuel oil				
2.	Source Classification Code (SCC): 10100501		 SCC Units: 1000 Gallons Distillate Oil (No. 1 & 2) Burned 		stillate Oil (No. 1 & 2)
4.	Maximum Hourly Rate: 48.297	5. Maximum Annual Rate:		6.	Estimated Annual Activity Factor:
7.	Maximum % Sulfur: .73	8. Maximum % Ash: .1		9.	Million Btu per SCC Unit: 138
10.	0. Segment Comment: Fuel oil used for startup				
	Is this a valid segment? Yes				

Segment Description and Rate: Segment 3 of 4

1.	Segment Description (Process/Fuel Type): Natural gas as startup and low-load flame stabilization fuel				
2.	Source Classification Code (SCC): 10100601		3. SCC Units: Million Cubic Feet Natural Gas Burned		
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.	0. Segment Comment: Natural gas as startup and low-load flame stabilization fuel.				
	Is this a valid segment? Yes				

Segment Description and Rate: Segment 4 of 4

1.	Segment Description (Process/Fuel Type): On specification used oil				
2.	Source Classification Code (SCC): 10101302		 SCC Units: 1000 Gallons Waste Oil Burned 		
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.	0. Segment Comment: Used oil is no longer allowed as an authorized fuel for this unit.				
	Is this a valid segment? Yes				

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
СО			EL	Yes
СРМ				Yes
FL			NS	Yes
H001				Yes
H015			EL	Yes
H017				Yes
H020				Yes
H027			EL	Yes
H046			EL	Yes
H054				Yes
H095				Yes
H106				Yes
H107			NS	Yes
H109				Yes
H113				Yes
H118				Yes
H150			EL	Yes
H154				Yes
H162			NS	Yes
H169				Yes
HAPS			NS	Yes
NH3				Yes
NOX			EL	Yes
PB			EL	Yes
РМ	ELECTROSTATIC PRECIPITATOR HIGH EFFICIENCY (95.0- 99.9%)		EL	Yes
PM10	ELECTROSTATIC PRECIPITATOR HIGH EFFICIENCY (95.0- 99.9%)		NS	Yes
PM2.5				Yes
SAM				Yes
SO2			EL	Yes
VOC			NS	Yes

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

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

Potential, Estimated Fugitive, and Baseline & Projected Actual 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: CO - Carbon Monoxide	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: 680 lb/hour 2978.4 t	ons/year	4.	Syn Lin	ntheti nited? Yes	cally ? ☑ No		
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): tons/year						
6.	Emission Factor: .1 LB/MMBTU Reference:				7.	Emissions Method Code: (2) CALCULATED BY USE OF MATERIAL BALANCE AND KNOWLEDGE OF THE PROCESS.		
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. Project	ed N ears	Aonit 3	toring Period:			
10.	Calculation of Emissions:							
11.	 Pollutant Potential, Fugitive, and Actual Emissions Comment: Established CO BACT limit of 0.1 lb/MMBtu based on a 30 day rolling average excluding periods of startup, shutdown and malfunction 							

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 2

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	2. Future Effective Date of Allowable Emissions:					
3.	Allowable Emissions and Units: .17 POUNDS PER MILLION BTU HEAT INPUT	4. Equivalent Allowable Emissions: 1224 lb/hour 5063 tons/						
5.	Method of Compliance: CEMS RATA	-						
6.	Allowable Emissions Comment (Description o includes emissions from CBO unit. Emissions shutdown, malfunctions [permit no. 0170004-(f Op base)16-4	perating Method): ed on 30 day rolling average excluding startup, AC; PSD-FL-383]					

Allowable Emissions Allowable Emissions 2 of 2

1.	Basis for Allowable Emissions Code: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	Future Effective Date of Allowable Emissions:						
3.	Allowable Emissions and Units: .1 POUNDS PER MILLION BTU HEAT INPUT	4. Equivalent Allowable Emissions: 680 lb/hour 2978.4 tor							
5.	Method of Compliance: CEMS, 30-day rolling average.								
6.	Allowable Emissions Comment (Description of Operating Method): Established CO BACT limit of 0.1 lb/MMBtu based on a 30 day rolling average excluding periods of startup, shutdown and malfunction (PSD-FL-383E)								

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

Potential, Estimated Fugitive, and Baseline & Projected Actual 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: CPM - Condensible Particulate Matter	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour te	tons/year 4. Synthetically Limited?				🗆 No	
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year					
6.	Emission Factor:				7.	Emissic	ons Method Code:
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth	Period: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N rears	Aonit 3	torir	ng Period	l: 10 years
10.	Calculation of Emissions:						
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Commer	nt:				

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.

No Pollutant Allowable Emissions information submitted.

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

<u>Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions</u> 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: FL - Fluorides - Total (elemental fluorine and floride compounds)	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour t	tons/year 4. Synthetically Limited?					
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): cons/year					
6.	Emission Factor:			7. Emiss	ions Method Code:		
	Reference:						
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24-mo	onth Period To	:		
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed Monit vears	toring Perio	od: 10 years		
10.	Calculation of Emissions:						
11. Pollutant Potential, Fugitive, and Actual Emissions Comment:							

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.

No Pollutant Allowable Emissions information submitted.

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

Potential, Estimated Fugitive, and Baseline & Projected Actual 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: H001 - Acetaldehyde	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour te	tons/year 4. Synthetically Limited?				🗆 No		
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year						
6.	Emission Factor:		_		7.	Emissio	ons Method Code:	
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 2	4-mo	onth	Period: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit 5	torir	ng Period	1: 10 years	
10.	Calculation of Emissions:							
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Commer	nt:					

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.

No Pollutant Allowable Emissions information submitted.

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

Potential, Estimated Fugitive, and Baseline & Projected Actual 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: H015 - Arsenic Compounds (inorganic including arsine)	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour t	ons/year	4. Syr Lin	nthetically nited? Yes	□ No		
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year					
6.	Emission Factor:			7. Emissic	ons Method Code:		
┝──	Reference:						
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	1e 24-mo	onth Period: To:			
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: □ 5 years □ 10 years					
10.	Calculation of Emissions:						
11.	Pollutant Potential, Fugitive, and Actual Emissi Limited to 5 ppm as specification of used oil.	ons Commer	nt:				
Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H017 - Benzene (including benzene from gasoline)	2. Total Percent Efficiency of Control:								
3.	Potential Emissions: lb/hour to	ons/year	4. Syr Lin	nthetically nited? Yes	🗆 No					
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year								
6.	Emission Factor: Reference:			7. Emissio	ons Method Code:					
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-mo	onth Period: To:						
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecte	ed Monir rears	toring Period	: 0 years					
10.	Calculation of Emissions:									
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:									

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H020 - Benzyl chloride	2. Total Percent Efficiency of Control:								
3.	Potential Emissions: lb/hour t [,]	ons/year	4.	Syn Lim	ithet nited Yes	ically l?	🗆 No			
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year								
6.	Emission Factor:				7.	Emissio	ons Method Code:			
	Reference:									
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth	Period: To:				
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N rears	Aonit	torin		l: 10 years			
10.	Calculation of Emissions:									
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:									

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total P	erce	ent Ef	ffici	ency of (Control:
3.	Potential Emissions: lb/hour t	ons/year	4.	Syn Lin	thet ited Yes	□ No	
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year					
6.	Emission Factor:				7.	Emissic	ons Method Code:
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24	4-mo	onth	Period: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto □ 5 y	ed N rears	/Ionit	orir	ng Period	l: 10 years
10.	Calculation of Emissions:						
11.	Pollutant Potential, Fugitive, and Actual Emissi Limited to 2 ppm as specification of used oil.	ons Commer	nt:				

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:								
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lin	ithet nitec Yes	tically 1?	🗆 No			
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year								
6.	Emission Factor:				7.	Emissio	ons Method Code:			
	Reference:									
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24	4-mc	onth	Period: To:				
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto □ 5 y	ed N ears	10nit	torir	ng Period	l: 0 years			
10.	Calculation of Emissions:									
11.	 Pollutant Potential, Fugitive, and Actual Emissions Comment: Limited to 10 ppm as specification of used oil. 									

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H054 - Cyanide Compounds	2. Total Percent Efficiency of Control:								
3.	Potential Emissions: lb/hour tr	ons/year	4.	Syn Lin	nthet nitec Yes	tically 1? s	🗆 No			
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year								
6.	Emission Factor:				7.	Emissio	ons Method Code:			
	Reference:									
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 2	4-mc	onth	Period: To:				
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit	torir		l: 10 years			
10.	Calculation of Emissions:									
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:									

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H095 - Formaldehyde	2. Total Percent Efficiency of Control:								
3.	Potential Emissions: lb/hour tr	ons/year	4.	Syn Lim	nthet nited Yes	tically 1?	🗆 No			
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year								
6.	Emission Factor:				7.	Emissio	ons Method Code:			
	Reference:									
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth	Period: To:				
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N rears	Aonit	torir	ng Perioc	1: 10 years			
10.	Calculation of Emissions:									
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:									

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H106 - Hydrogen chloride (Hydrochloric acid)	2. Total Percent Efficiency of Control:								
3.	Potential Emissions: lb/hour t	ons/year	4. Syr Lin	nthetica nited? Yes	lly □ No					
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year								
6.	Emission Factor:			7. Er	nissions Method Code:					
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-mo	onth Per	riod: To:					
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Monit vears	toring F	Period:					
10.	Calculation of Emissions:									
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:									

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

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

<u>Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions</u> Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:								
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lim	🗆 No					
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year								
6.	Emission Factor:				7. E	Emissio	ns Method Code:			
	Reference:									
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24	4-mo	onth Po	eriod: To:				
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto □ 5 y	ed M ears	Ionit	oring	Period	: 0 years			
10.	Calculation of Emissions:									
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:									

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H109 - Isophorone	2. Total Percent Efficiency of Control:								
3.	Potential Emissions: lb/hour tr	ons/year	4.	Syn Lin	nthet nited Yes	tically 1? 5	🗆 No			
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year								
6.	Emission Factor:				7.	Emissio	ons Method Code:			
	Reference:									
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth	Period: To:				
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N rears	Aonit 3	torir	ng Period	l: 10 years			
10.	Calculation of Emissions:									
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:									

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total P	erce	ent Ef	ffici	ency of	Control:			
	H113 - Manganese Compounds									
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lin	thet nited Yes	tically 1?	🗆 No			
5.	Range of Estimated Fugitive Emissions (as app	licable):								
	to te	ons/year								
6.	Emission Factor:				7.	Emissie	ons Method Code:			
	Reference:									
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2	4-mo	onth	Period:				
	tons/year	From:				To:				
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed N	Aonit	torir	ng Perioo	1:			
	tons/year	□ 5 y	ears	5			10 years			
10.	Calculation of Emissions:									
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:									

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:							
	H118 - Methyl chloride (Chloromethane)	<u> </u>	-						
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lin	nthet nited Yes	ically l?	🗆 No		
5.	Range of Estimated Fugitive Emissions (as app	licable):							
	to to	ons/year							
6.	Emission Factor:				7.	Emissio	ons Method Code:		
	Reference:								
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2	4-mc	onth	Period:			
	tons/year	From:				To:			
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed N	Monit	torir	ng Period	1:		
	tons/year	□ 5 y	ears	5			10 years		
10.	Calculation of Emissions:								
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:								

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:								
	H150 - Polychlorinated biphenyls (Aroclors)									
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lim	ithet nited Yes	tically 1?	□ No			
5.	Range of Estimated Fugitive Emissions (as app	olicable):								
	to te	ons/year								
6.	Emission Factor:				7.	Emissie	ons Method Code:			
	Reference:									
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 24	4-mo	onth	Period:				
	tons/year	From:				To:				
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	/lonit	torir	ng Perioo	d:			
	tons/year	□ 5 y	ears	5			10 years			
10.	Calculation of Emissions:									
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:									
	Limited to 50 ppm as specification of used oil.									

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H154 - Propionaldehyde	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour te	tons/year 4. Synthetically Limited?							
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year							
6.	Emission Factor:				7.	Emissic	ons Method Code:		
	Reference:								
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth	Period: To:			
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit s	torir	ng Period	l: 10 years		
10.	Calculation of Emissions:								
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:								

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H162 - Selenium Compounds	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour to	tons/year 4. Synthetically Limited?						
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year						
6.	Emission Factor:				7.	Emissic	ons Method Code:	
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 2-	4-mc	onth	Period: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit s	torin	ng Period	l: 10 years	
10.	Calculation of Emissions:							
11. Pollutant Potential, Fugitive, and Actual Emissions Comment:								

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H169 - Toluene	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour to	tons/year 4. Synthetically Limited?							
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year							
6.	Emission Factor:				7.	Emissio	ons Method Code:		
	Reference:								
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth	Period: To:			
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit	torir		l: 10 years		
10.	Calculation of Emissions:								
11. Pollutant Potential, Fugitive, and Actual Emissions Comment:									

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: HAPS - Total Hazardous Air Pollutants	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour te	cons/year Synthetically Limited?						
5.	Range of Estimated Fugitive Emissions (as app to t [,]	olicable): ons/year						
6.	Emission Factor:				7.	Emissic	ons Method Code:	
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth	Period: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N rears	Aonit 3	torir	ng Period	l: 10 years	
10.	Calculation of Emissions:							
11. Pollutant Potential, Fugitive, and Actual Emissions Comment:								

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: NH3 - Ammonia	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour te	ons/year	🗆 No						
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year							
6.	Emission Factor:				7.	Emissic	ons Method Code:		
	Reference:								
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 2	4-mo	onth	Period: To:			
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N rears	Aonit 5	torir	ng Period	l: 10 years		
10.	Calculation of Emissions:								
11. Pollutant Potential, Fugitive, and Actual Emissions Comment:									

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

Allo	Allowable Emissions 1 of 1								
1.	Basis for Allowable Emissions Code: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	Future Effective Date of Allowable Emissions: 2011-12-01	•					
3.	Allowable Emissions and Units: 5 TEST REQUIRED (NO ALLOWABLE EMISSION)	4.	Equivalent Allowable Emissions: lb/hour	tons/year					
5.	Method of Compliance:								
6.	Allowable Emissions Comment (Description o 5 PPM Dry; Frequency an dFreq Base date upd	f Op lated	erating Method): 04/02/2014A.Betancourt						

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: NOX - Nitrogen Oxides	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: 3384 lb/hour 11795 t	ons/year	4.	ically ? ☑ No					
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year							
6.	Emission Factor: .47 LB/MMBTU Reference: Permit				7.	Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST- CASE ALLOWABLE EMISSION.			
8.a	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24	1-mo	onth	Period: To:			
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed M /ears	lonit	orin	g Period:			
10.	Calculation of Emissions:								
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:								
Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions 1 of 6

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:				
3.	Allowable Emissions and Units: .2 POUNDS PER MILLION BTU HEAT INPUT	4.	4. Equivalent Allowable Emissions: lb/hour tons				
5.	5. Method of Compliance:						
6.	Allowable Emissions Comment (Description o	f Op	erating Method):	. 20			

ENTER TEST RESULTS AGAINST SEQUENCE 001. 86 nanograms per joule heat input, 30 day rolling average while firing gaseous fuel.

Allowable Emissions Allowable Emissions 2 of 6

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:				
3.	Allowable Emissions and Units: .3 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 1999.5 lb/hour 8758 tons/year				
5.	Method of Compliance: CEMS RATA ANNUALLY						
6.	Allowable Emissions Comment (Description of Operating Method): ENTER TEST RESULTS AGAINST SEQUENCE 001. 129 nanograms per joule heat input, 30 day rolling average while firing liquid fuel.						

Allowable Emissions Allowable Emissions 3 of 6

1.	Basis for Allowable Emissions Code: (ESCPSD) allow facility/modification to escape PSD preconstruction review	2.	Future Effective Date of Allowable Emissions:
3.	Allowable Emissions and Units: .47 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 3384 lb/hour 11899 tons/year
5.	Method of Compliance: CEMS RATA ANNUALLY		
6	Allowable Emissions Comment (Description o	f On	erating Method):

ssions Comment (Description of Operating Method):

[END: 5/8/09] includes emissions from CBO unit. Emissions based on a 12-month rolling average

[permit no. 0170004-016-AC; PAD-FL-383]

Allowable Emissions 4 of 6

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:				
3.	Allowable Emissions and Units: .7 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 4666 lb/hour 20435 tons/year				
5.	. Method of Compliance:						
6.	Allowable Emissions Comment (Description of Operating Method): 300 nanograms per joule heat input, 30 day rolling average while firing solid fuel.						

<u>Allowable Emissions</u> Allowable Emissions 5 of 6

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:				
3.	Allowable Emissions and Units: .46 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 3312 lb/hour 21928.7 tons/year				
5.	Method of Compliance: Acid Rain CEMS						
6.	Allowable Emissions Comment (Description of Operating Method): Part of NOx Averaging plan. Alt. Contemp. emissions limit of 0.59 lb/MMBtu for CY 2010 - 2014.						

Allowable Emissions Allowable Emissions 6 of 6

1.	Basis for Allowable Emissions Code: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	Future Effective Date of Allowable Emissions:			
3.	Allowable Emissions and Units: 2085 TONS/YEAR	4.	Equivalent Allowable Emissions: lb/hour 2085 tons/year			
5.	Method of Compliance: CEMS					
6.	Allowable Emissions Comment (Description of Operating Method): BART permit limit based on a 12-month rolling average for all periods of operation including startup, shutdown and malfunction.					

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: PB - Lead - Total (elemental lead and lead compounds)	2. Total Percent Efficiency of Control:				
3.	Potential Emissions: lb/hour to	ons/year	4. Syr Lin	nthetically nited? Yes	□ No	
5.	Range of Estimated Fugitive Emissions (as app to t	plicable): tons/year				
6.	Emission Factor:			7. Emissic	ons Method Code:	
	Reference:					
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24-mo	onth Period: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: □ 5 years □ 10 years				
10.	Calculation of Emissions:					
11.	Pollutant Potential, Fugitive, and Actual Emissi Limited to 100 ppm as specification of used oil	ons Commer	nt:			

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

No Pollutant Allowable Emissions information submitted.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: PM - Particulate Matter - PM (Filterable)	2. Total P	'ercent H	Efficiency o	of Control:			
3.	Potential Emissions: 216 lb/hour 759.9 te	ons/year	4. Sy Lin	nthetically mited?] Yes	☑ No			
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year						
6.	Emission Factor: .3 LB/MMBTU Reference: Permit			7. Emis (2) C USE BAL KNO PRO	sions Method Code: ALCULATED BY OF MATERIAL ANCE AND WLEDGE OF THE CESS.			
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-m	ionth Perioc	1:):			
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projectø □ 5 y	ed Mon vears	itoring Peri	od: 10 years			
10.	Calculation of Emissions:							
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:							

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

Allowable Emissions 1 of 2

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:				
3.	Allowable Emissions and Units: .1 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 667 lb/hour 2919 tons/year				
5.	Method of Compliance: CEMS						
6.	Allowable Emissions Comment (Description o 43 nanograms per joule heat input.	of Op	perating Method):				

Allowable Emissions Allowable Emissions 2 of 2

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:			
3.	Allowable Emissions and Units:	4. Equivalent Allowable Emissions:				
	.03 POUNDS PER MILLION BTU HEAT INPUT		216 lb/hour 759.9 tons/year			
5.	Method of Compliance: STACK TEST					
6.	Allowable Emissions Comment (Description o	of Operating Method):				
	includes emissions from CBO unit. Emission based on a 3 run test average determined by EPA method 5 or 5b [permit no. 0170004-016-AC; PSD-FL-383]					

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

<u>Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions</u> 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: PM10 - Particulate Matter - PM10 (Filterable)	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: 216 lb/hour 759.9 to	ons/year	Syn Lin	thet ited Yes	ically ?	☑ No		
5.	Range of Estimated Fugitive Emissions (as app to te	applicable): to tons/year						
6.	Emission Factor: .3 LB/MMBTU Reference: Permit				7.	Emission (2) CAL USE OF BALAN KNOWI PROCES	ns Method Coo CULATED B MATERIAL ICE AND LEDGE OF TH SS.	de: Y HE
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24	4-mc	onth	Period: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto □ 5 y	ed N rears	/lonit	orin	eg Period:	0 years	
10.	Calculation of Emissions:							
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment: see emissions for PM							

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

No Pollutant Allowable Emissions information submitted.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: PM2.5 - Particulate Matter - PM2.5 (Filterable)	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour t	ons/year	4. Syr Lin	nthetically nited? Yes	🗌 No		
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year					
6.	Emission Factor: Reference:			7. Emiss	ions Method Code:		
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24-mo	onth Period: To:			
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecte	ed Monir rears	toring Perio	d: 10 years		
10.	Calculation of Emissions:						
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:						

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

No Pollutant Allowable Emissions information submitted.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: SAM - Sulfuric Acid Mist	2. Total I	Perce	ent E	fficie	ency of Control:	
3.	Potential Emissions: 64.8 lb/hour 268 to	ons/year	4.	Syn Lin	ntheti nited Yes	cally ? ☑ No	
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year					
6.	Emission Factor: .009 LB/MMBTU Reference:				7.	Emissions Method Code: (2) CALCULATED BY USE OF MATERIAL BALANCE AND KNOWLEDGE OF THE PROCESS.	
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Basel From:	ine 2	4-mc	onth	Period: To:	
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projec □ 5	ted N years	Aonit s	torin	g Period:	
10.	Calculation of Emissions:						
11.	 Pollutant Potential, Fugitive, and Actual Emissions Comment: During temp demonstration trials the performance test for SAM emissions are exempt when collecting data; performance test shall consist of 9-1 hr test to determin SAM. 						

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

Allo	Ilowable Emissions Allowable Emissions 1 of 1						
1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:				
3.	Allowable Emissions and Units: .009 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 64.8 lb/hour 227.85 tons/year				
5.	Method of Compliance: STACK TEST						
6.	Allowable Emissions Comment (Description of Operating Method): includes emissions from CBO unit. Emission based on 3 run test average determined by EPA method 8 or 8a [permit no. 0170004-016-AC; PSD-FL-383]						

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: SO2 - Sulfur Dioxide	2. Total P	Perce	ent E	ffici	ency of Control:
3.	Potential Emissions: 1944 lb/hour 6835 te	ons/year	4.	Syn Lin	nthet nited Yes	ically l? ✓ No
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year				
6.	Emission Factor: 1.2 LB/MMBTU Reference: Permit				7.	Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST- CASE ALLOWABLE EMISSION.
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 2	4-mc	onth	Period: To:
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Project □ 5 y	ed N vears	/Ionit	torin	g Period:
10.	Calculation of Emissions:					
11.	 Pollutant Potential, Fugitive, and Actual Emissions Comment: Coal fuel blends shall not exceed a maximum spec of 5.5 lb SO2/MMBtu 					

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

Allowable Emissions 1 of 4

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:			
3.	Allowable Emissions and Units: 1.2 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 7998 lb/hour 35031 tons/year			
5.	Method of Compliance: Stack Test & CEMS					
6.	Allowable Emissions Comment (Description of Operating Method): 520 nanograms per joule heat input 24 hr average while firing coal.					

Allowable Emissions Allowable Emissions 2 of 4

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:				
3.	Allowable Emissions and Units: .8 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 5332 lb/hour 23354 tons/y				
5.	Method of Compliance: Stack Test & CEMS						
6.	Allowable Emissions Comment (Description of Operating Method): 340 nanograms per joule heat input, 24 hr average derived from liquid fuel.						

<u>Allowable Emissions</u> Allowable Emissions 3 of 4

1.	Basis for Allowable Emissions Code: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	Future Effective Date of Allowable Emissions:					
3.	Allowable Emissions and Units: 1.09 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 7265 lb/hour 31820 tons/year					
5.	Method of Compliance: Fuel Sulfer Analysis.							
6.	Allowable Emissions Comment (Description of Operating Method): While firing coal briquette mixture. Basis for allowable emissions: 0170004-006-AC.							

<u>Allowable Emissions</u> Allowable Emissions 4 of 4

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:			
3.	Allowable Emissions and Units: .27 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 1944 lb/hour 6835 tons/year			
5.	Method of Compliance: CEMS ANNUAL RATA					
6.	Allowable Emissions Comment (Description of Operating Method): includes emissions from CBO unit. Emission based on 30 day rolling average [0170004-016-AC; PSD-FL-383]					

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total P	erce	ent Ef	fficie	ency of Control:		
	VOC - Volatile Organic Compounds							
3.	Potential Emissions: 28.8 lb/hour 126.1 te	ons/year	4.	Syn Lim	theti ited' Yes	ically ? ☑ No		
5.	Range of Estimated Fugitive Emissions (as app	olicable):						
	to to	ons/year						
6.	Emission Factor: .004 LB/MMBTU Reference:				7.	Emissions Method Code: (2) CALCULATED BY USE OF MATERIAL BALANCE AND KNOWLEDGE OF THE PROCESS.		
8.a	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 2	4-mo	onth]	Period:		
	tons/year	From:				To:		
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Projecto □ 5 y	ed N vears	Aonit 5	oring	g Period:		
10.	Calculation of Emissions:							
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:							

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

Allo	Ilowable Emissions Allowable Emissions 1 of 1						
1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:				
3.	Allowable Emissions and Units: .004 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 28.8 lb/hour 126.1 tons/year				
5.	Method of Compliance:						
6.	Allowable Emissions Comment (Description of Operating Method): includes emissions from CBO unit. Emission based on a 3-run test average betermined by EPA method 25A [permit no. 0170004-016-AC; PSD-FL-383]						

G. VISIBLE EMISSIONS INFORMATION

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

Visi	Visible Emissions Limitation: Visible Emissions Limitation 1 of 2					
1.	Visible Emissions Subtype: VE10 - VISIBLE EMISSIONS - 10% NORMAL OPACITY	2.	Basis for Allowa ✓ Rule	ble Opacity:		
3.	Allowable Opacity:Normal Conditions: %Maximum Period of Excess Opacity Allowed:	ptio	nal Conditions:	20% 6 min/hour		
4.	Method of Compliance:					
5.	 Visible Emissions Comment: determined by EPA method 9 [permit no. 0170004-016-AC; PSD-FL-383] 					

Visible Emissions Limitation: Visible Emissions Limitation 2 of 2

1.	Visible Emissions Subtype: VE20 - VISIBLE EMISSIONS - 20% NORMAL OPACITY	2.	Basis for Allowal ☑ Rule	ble Opacity:		
3.	Allowable Opacity: Normal Conditions: 10% Excep Maximum Period of Excess Opacity Allowed:	otion	al Conditions:	27% 6 min/hour		
4.	Method of Compliance:					
5.	Visible Emissions Comment: UNIT HAS OPACITY MONITOR UNDER Pl block average except 1 6-min/hr of 20% during	M. T g tem	emp opacity limit	of 15% (Method 9), 6-min onstration trials.		

H. CONTINUOUS MONITOR INFORMATION

Complete if this emissions unit is or would be subject to continuous monitoring. Continuous Monitoring System: Continuous Monitor 1 of 4

	Continuous Monitoring System: Continuous Monitor 1 of 4					
1.	Parameter Code: EM - EMISSION	2.	Pollutant(s): CO			
3.	CMS Requirement:	F	Rule	□ Other		
4.	Monitor Information Manufacturer: THERMO FISHER Model Number:		Serial Number:			
5.	Installation Date:	6.	Performance Specific	cation Test Date:		
7.	Continuous Monitor Comment: CO 1944 LB/HR 24-HOUR BLOCK AVERA	GE				
	Status: Active					
<u>Cor</u>	ntinuous Monitoring System: Continuous Mo	nitor	2 of 4			
1.	Parameter Code: VE - Visible emissions (opacity)	2.	Pollutant(s):			
3.	CMS Requirement:	□ F	Rule	□ Other		
4.	Monitor Information Manufacturer: LIGHTHAWK Model 560 Number:		Serial Number:			
5.	Installation Date:	6.	Performance Specific 22-JAN-10	cation Test Date:		
7.	Continuous Monitor Comment:					
	Status: Active					

Continuous Monitoring	Svstem:	Continuous Monitor 3 of 4

1.	Parameter Code: EM - EMISSION	2. Pollutant(s): SO2	
3.	CMS Requirement:	□ Rule □ Other	
4.	Monitor Information Manufacturer: TECO Model Number: 43B	Serial Number:	
5.	Installation Date:	 Performance Specification Test Date: 21-DEC-09 	
7.	Continuous Monitor Comment: SO2 0.27 LB/MMBTU 30-DAY ROLLING A	VERAGE	
	Status: Active		

Continuous Monitoring System: Continuous Monitor 4 of 4

1.	Parameter Code: EM - EMISSION	2. Pollutant(s): NOX
3.	CMS Requirement:	□ Rule □ Other
4.	Monitor Information Manufacturer: TECO Model 42 Number:	Serial Number:
5.	Installation Date:	 Performance Specification Test Date: 21-DEC-09
7.	Continuous Monitor Comment:	-
	Status: Active	

	I. EMISSIONS UNIT ADDITIONAL INFORMATION				
Add	Additional Requirements for All Applications, Except as Otherwise Stated				
1.	Process Flow Diagram (Required for all permit applications, except 7 revision applications if this information was submitted to the departm years and would not be altered as a result of the revision being sough Applicable Previously Submitted Date:	Fitle V air operation permit nent within the previous five t) \Box Attachment			
_					
2.	permit revision applications if this information was submitted to the oprevious five years and would not be altered as a result of the revision □ Applicable □ Previously Submitted, Date:	except Title V air operation department within the n being sought)			
3.	Detailed Description of Control Equipment (Required for all permit a air operation permit revision applications if this information was sub- within the previous five years and would not be altered as a result of Applicable Previously Submitted, Date:	applications, except Title V mitted to the department the revision being sought)			
4.	Procedures for Startup and Shutdown (Required for all operation perm V air operation permit revision applications if this information was so within the previous five years and would not be altered as a result of Applicable Previously Submitted, Date:	mit applications, except Title ubmitted to the department the revision being sought)			
5.	Operation and Maintenance Plan (Required for all permit application permit revision applications if this information was submitted to the operations five years and would not be altered as a result of the revision Applicable Previously Submitted, Date:	s, except Title V air operation department within the n being sought)			
6	Compliance Demonstration Reports/Records				
0.	 □ Applicable □ Previously Submitted, Date: □ To Be Submitted, Date (if known): Previously Submitted Test Date(s)/Pollutants Tested: 	□ Attachment			
	To be Submitted Test Date(s)/Pollutants Tested:				
	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				
		☐ Attachment			

Additional Requirements for Title V Air Operation Permit Applications

1.	Identification of Applicable Requirements	
		□ Attachment
2.	Compliance Assurance Monitoring Plan	
		□ Attachment
3.	Alternative Methods of Operation	
		□ Attachment
4.	Alternative Modes of Operation (Emissions Trading)	
	Applicable	☐ Attachment

Additional Requirements for Air Construction Permit Applications

1.	Control Technology Review and Analysis (Rules 62-212.400(2 CFR 63.43(d) and (e))	10) and 62-212.500(7), F.A.C.; 40
2.	Good Engineering Practice Stack Height Analysis (Rule 62-21 212.500(4)(f), F.A.C.)	2.400(4)(d), F.A.C., and Rule 62- □ Attachment
3.	Description of Stack Sampling Facilities (Required for propose only)	ed new stack sampling facilities
Oth 1.	Ther Information Regarding this Emissions Unit Other Emissions Unit Information	Attachment

Note: Provide any other information related to the emissions unit addressed in this Emissions Unit Information Section that is not elsewhere provided in the application, not otherwise required and that you, the applicant, believe may be helpful.

Additional Requirements Comment

III. EMISSIONS UNIT INFORMATION A. GENERAL EMISSIONS UNIT INFORMATION <u>Title V Air Operation Permit Emissions Unit Classification</u>

1.	(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.

Emissions Unit Description and Status

1.	 Type of Emissions Unit Addressed in this Section: (Check one) ✓ This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent). □ This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent). □ 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 unit, one or more process or production units and activities which produce fugitive emissions only. 				
2.	Description of Emissions Unit Addressed in this Section: Fossil Fuel Steam Generator-4 (Phase I & II Acid Rain Unit)				
3.	Emissions Unit Ident	tification Number: 4			
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6.	Initial Startup Date: 01-DEC-82	 7. Emissions Unit Major Group SIC Code: 49
8.	 Federal Program Applicability: (Check all that apply) ✓ Acid Rain Unit ✓ CAIR Unit 				
9.	Package UnitModel Number:Manufacturer:				
10.	Generator Nameplate	e Rating: 760 MW			
11.	Generator Nameplate Rating:760MWEmissions Unit Comment:Pulverized coal dry bottom boiler, wall-fired. Temp demonstration sys to eval SAM is exemptfrom SAM emissions while collecting data; temp VE opacity of 15%, 6-min block avg except 1 6-min/hr of 20%.				

[☐] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

Emissions Unit Control Equipment

Code	Equipment	Description
10	ELECTROSTATIC PRECIPITATOR HIGH EFFICIENCY (95.0-99.9%)	Electrostatic precipitator - high efficiency
205	LOW NOX BURNERS	
139	SCR (SELECTIVE CATALYTIC REDUCTION)	
42	WET LIMESTONE INJECTION	
206	DRY SORBENT INJECTION	

B. EMISSIONS UNIT CAPACITY INFORMATION (Optional for unregulated emissions units.) <u>Emissions Unit Operating Capacity and Schedule</u>

1.	Maximum Process or Throughput Rate:		
2.	Maximum Production Rate:		
3.	Maximum Heat Input Rate: 7200 million Bt	u/hr	
4.	Maximum Incineration Rate:	pounds/hr tons/day	
5.	Requested Maximum Operating Schedule:		
		hours/day	days/week
		hours/day weeks/year	days/week 8760 hours/year
6.	Operating Capacity/Schedule Comment:	hours/day weeks/year	days/week 8760 hours/year

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

<u>Emi</u>	nission Point Description and Type						
1.	Identification of Point on Plot Plan or Flow Diagram: EU3, SEE CR-F1-E2.		 Emission Point Type Code: 1 - A single emission point serving a single emissions unit 				
3.	Descriptions of Emission Poi	nts Comprising th	is Emissions Unit	for VE Tracking:			
4.	ID Numbers or Descriptions	of Emission Units	with this Emissic	n Point in Common:			
5.	Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION	 Stack Height: 550 feet 		 7. Exit Diameter: 30.5 feet 			
8.	Exit Temperature: 130° F	 9. Actual Volumetric Flow Rate: 2205195 acfm 		10. Water Vapor: %			
11.	1. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: feet				
13.	Emission Point UTM Coordin	nission Point UTM Coordinates		14. Emission Point Latitude/Longitude			
	Zone: East (km):		Latitude:				
	North (km):		Longitude:				
15.	Emission Point Comment:						

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segi	ment Description and Rate:	Segment 1 of 3				
1.	Segment Description (Process/Fuel Type): Bituminous coal & bituminous coal briquette mixture					
2.	Source Classification Code (S 10100202	assification Code (SCC): 3. SCC Units: Tons Bituminous Coal Burned				
4.	Maximum Hourly Rate: 277.7	5. Maximum Annual Rate:		6.	Estimated Annual Activity Factor:	
7.	Maximum % Sulfur:	8. Maximum % Ash:		9.	Million Btu per SCC Unit: 24	
10.). Segment Comment: Bituminous coal and coal briquette.					
	Is this a valid segment? Yes					

Segment Description and Rate: Segment 2 of 3

1.	Segment Description (Process/Fuel Type): Distillate fuel oil							
2.	Source Classification Code (SCC): 101005013. SCC Units: 1000 Gallons Distillate Oil (No. 1 & 2) Burned							
4.	Maximum Hourly Rate: 48.297	5. Maximum A	Annual Rate:	6. Estimated Annual Activity Factor:				
7.	Maximum % Sulfur: .73	8. Maximum %	% Ash:	9. Million Btu per SCC Unit: 138				
10.	0. Segment Comment: Fuel oil used for startup							
	Is this a valid segment? Yes							

Segment Description and Rate: Segment 3 of 3

1.	Segment Description (Process/Fuel Type): Natural gas as startup and low-load flame stabilization fuel							
2.	Source Classification Code (SCC):3.SCC Units:10100601Million Cubic Feet Natural Gas Burned							
4.	Maximum Hourly Rate:	5. Maximum A	Annual Rate:	 6. Estimated Annual Activity Factor: 				
7.	Maximum % Sulfur:	8. Maximum %	% Ash:	9. Million Btu per SCC Unit:				
10.). Segment Comment: Natural gas as startup and low-load flame stabilization fuel.							
	Is this a valid segment? Yes							

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory	Valid?
CO			EL	Ves
CPM				Yes
FL			NS	Yes
H001				Yes
H015			EL	Yes
H017				Yes
H020				Yes
H027			EL	Yes
H046			EL	Yes
H054				Yes
H095				Yes
H106				Yes
H107			NS	Yes
H109				Yes
H113				Yes
H118				Yes
H150			EL	Yes
H154				Yes
H162			NS	Yes
H169				Yes
HAPS			NS	Yes
NH3				Yes
NOX			EL	Yes
PB			EL	Yes
РМ	ELECTROSTATIC PRECIPITATOR HIGH EFFICIENCY (95.0- 99.9%)		EL	Yes
PM10	ELECTROSTATIC PRECIPITATOR HIGH EFFICIENCY (95.0- 99.9%)		NS	Yes
PM2.5				Yes
SAM				Yes
SO2			EL	Yes
VOC			NS	Yes

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: CO - Carbon Monoxide	ted: 2. Total Percent Monoxide						
3.	Potential Emissions: 680 lb/hour 2978.4 te	ons/year	4.	Syn Lim	theti iited Yes	ically l? ✓ No		
5.	Range of Estimated Fugitive Emissions (as app to te	itive Emissions (as applicable): to tons/year						
6.	Emission Factor: .1 LB/MMBTU Reference:				7.	Emissions Method Code (1A) CALCULATED BASED ON EMISSION MEASUREMENTS USING CEMS.		
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. Projectø □ 5 y	ed M vears	onit	oring	ng Period:		
10.	Calculation of Emissions:							
11.	 Pollutant Potential, Fugitive, and Actual Emissions Comment: Established CO BACT limit of 0.1 lb/MMBtu based on a 30 day rolling average excluding periods of startup, shutdown and malfunction (PSD-FL-383E) 							

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

Allowable Emissions 1 of 2

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:					
3.	Allowable Emissions and Units: .17 POUNDS PER MILLION BTU HEAT INPUT	4. Equivalent Allowable Emissions: 1224 lb/hour 5063 ton						
5.	Method of Compliance: annual cems rata							
6.	Allowable Emissions Comment (Description of Operating Method): includes emissions from CBO unit. Emissions based on a 30 day rolling average excluding startup, shutdown, malfunctions [permit no. 0170004-016-AC; PSD-FL 383]							

Allowable Emissions Allowable Emissions 2 of 2

1.	Basis for Allowable Emissions Code: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	Future Effective Date of Allowable Emissions:						
3.	Allowable Emissions and Units: .1 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 680 lb/hour 2978.4 tons/year						
5.	Method of Compliance: CEMS, 30-day rolling average								
6.	Allowable Emissions Comment (Description of Operating Method): Established CO BACT limit of 0.1 lb/MMBtu based on a 30 day rolling average (PSD-FL-383E)								

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: CPM - Condensible Particulate Matter	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour te	ons/year	Syn Lin	nthet nitec Yes	tically 1?	🗆 No	
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year					
6.	Emission Factor:				7.	Emissio	ons Method Code:
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 2	4-mc	onth	Period: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed N vears	Aonit 3	torir	ng Period	l: 10 years
10.	Calculation of Emissions:						
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:						

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

No Pollutant Allowable Emissions information submitted.
F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

<u>Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions</u> 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: FL - Fluorides - Total (elemental fluorine and floride compounds)	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour to	ons/year	4. I	Synt Lim	thetica ited? Yes	lly	🗆 No	
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year						
6.	Emission Factor: Reference:				7. E	missio	ons Method Coo	le:
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24-	-moi	nth Pe	riod: To:		
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed Mo ears	onito	oring l	Period	: 0 years	
10.	Calculation of Emissions:							
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Commer	nt:					

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H001 - Acetaldehyde	2. Total Percent Efficiency of Control:								
3.	Potential Emissions: lb/hour to	ons/year	4.	🗆 No						
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year			-					
6.	Emission Factor:				7.	Emissic	ons Method Code:			
	Reference:									
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 2	4-mo	onth	Period: To:				
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N rears	Aonit 5	torir	ng Period	l: 10 years			
10.	Calculation of Emissions:									
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:									

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H015 - Arsenic Compounds (inorganic including arsine)	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour to	ons/year	4. Syr Lin	nthetically nited? Yes	□ No			
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year						
6.	Emission Factor:			7. Emiss	ions Method Code:			
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24-ma	onth Period:	•			
	tons/year	From:		To:				
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed Moni	toring Perio	od:			
	tons/year	□ 5 y	vears		10 years			
10.	Calculation of Emissions:							
11.	Pollutant Potential, Fugitive, and Actual Emissi Limited to 5 ppm as specification of used oil.	ons Comme	nt:					

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H017 - Benzene (including benzene from gasoline)	2. Total P	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour te	ons/year	4. Sy Li	/nthe imited	□ No				
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year							
6.	Emission Factor:			7.	Emissio	ons Method Code:			
					D · 1				
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24-n	lonth	Period: To:				
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Mor ears	nitorin	ng Period	: 0 years			
10.	Calculation of Emissions:								
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Commer	nt:						

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H020 - Benzyl chloride	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour t [,]	ons/year	ar Synthetically Limited?						
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year			-				
6.	Emission Factor:				7.	Emissio	ons Method Code:		
	Reference:								
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth	Period: To:			
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N rears	Aonit	torir	ng Period	l: 10 years		
10.	Calculation of Emissions:								
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Commer	nt:						

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H027 - Cadmium Compounds	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour te	ons/year	'ear 4. Synthetically Limited? □ Yes □ No						
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year							
6.	Emission Factor:				7.	Emissic	ons Method Code:		
	Reference:								
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24	4-mo	onth	Period: To:			
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto □ 5 y	ed M ears	/Ionit	orir	ng Period	l: 0 years		
10.	Calculation of Emissions:								
11.	 Pollutant Potential, Fugitive, and Actual Emissions Comment: Limited to 2 ppm as specification of used oil. 								

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H046 - Chromium Compounds	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour te	ons/year	ar Synthetically Limited? □ Yes □ No						
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year							
6.	Emission Factor:				7.	Emissic	ons Method Code:		
	Reference:								
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24	4-mo	onth	Period: To:			
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto □ 5 y	ed M ears	/Ionit	orir	ng Period	l: 0 years		
10.	Calculation of Emissions:								
11.	 Pollutant Potential, Fugitive, and Actual Emissions Comment: Limited to 10 ppm as specification of used oil. 								

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H054 - Cyanide Compounds	2. Total Percent Efficiency of Control:								
3.	Potential Emissions: lb/hour t [,]	ons/year	4. Synthetically Limited? □ Yes □ No							
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year								
6.	Emission Factor:				7.	Emissio	ons Method Code:			
	Reference:									
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 2	4-mo	onth	Period: To:				
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto □ 5 y	ed N rears	Aonit	torir		l: 10 years			
10.	Calculation of Emissions:									
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:									

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H095 - Formaldehyde	2. Total Percent Efficiency of Control:								
3.	Potential Emissions: lb/hour tr	ons/year	4. Synthetically Limited? □ Yes □ No							
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year								
6.	Emission Factor:				7.	Emissio	ons Method Code:			
	Reference:									
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth	Period: To:				
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N rears	Aonit s	torir	ng Period	l: 10 years			
10.	Calculation of Emissions:									
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:									

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H106 - Hydrogen chloride (Hydrochloric acid)	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour t	ons/year	4. Syr Lin	lly □ No					
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year							
6.	Emission Factor:			7. Er	nissions Method Code:				
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-mo	onth Per	riod: To:				
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Monit vears	toring F	Period:				
10.	Calculation of Emissions:								
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Commer	nt:						

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

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

<u>Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions</u> 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: H107 - Hydrogen fluoride (Hydrofluoric acid)	2. Total Percent Efficiency of Control:								
3.	Potential Emissions: lb/hour to	ons/year	year 4. Synthetically Limited?							
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year								
6.	Emission Factor:				7.	Emissic	ons Method Code:			
	Reference:									
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth	Period: To:				
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N rears	Aonit 3	torir	ng Period	l: 10 years			
10.	Calculation of Emissions:									
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:									

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H109 - Isophorone	2. Total Percent Efficiency of Control:								
3.	Potential Emissions: lb/hour tr	ons/year	4.	🗆 No						
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year								
6.	Emission Factor:				7.	Emissio	ons Method Code:			
	Reference:									
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth	Period: To:				
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N rears	Aonit s	torir	ng Period	l: 10 years			
10.	Calculation of Emissions:									
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:									

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H113 - Manganese Compounds	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: Ib/hour te	ons/year	4. Synthetically Limited? □ Yes □ No						
5.	Range of Estimated Fugitive Emissions (as app to t ²	olicable): ons/year							
6.	Emission Factor:		_		7.	Emissio	ons Method Code:		
	Reference:								
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth	Period: To:			
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed M rears	Aonit	torir	ng Perioc	l: 10 years		
10.	Calculation of Emissions:								
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Commer	nt:						

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:						
	H118 - Methyl chloride (Chloromethane)	<u> </u>						
3.	Potential Emissions: lb/hour to	ons/year	4.	🗆 No				
5.	Range of Estimated Fugitive Emissions (as app	licable):						
	to to	ons/year						
6.	Emission Factor:				7.	Emissio	ons Method Code:	
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2	4-mc	onth	Period:		
	tons/year	From:				To:		
9.a	. Projected Actual Emissions (if required):	9.b. Projecte	ed N	Monit	torir	ng Period	1:	
	tons/year	□ 5 y	ears	5			10 years	
10.	Calculation of Emissions:							
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:							

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:							
	H150 - Polychlorinated biphenyls (Aroclors)								
3.	Potential Emissions: lb/hour to	ons/year	4.	🗆 No					
5.	Range of Estimated Fugitive Emissions (as app	licable):							
	to te	ons/year							
6.	Emission Factor:				7.	Emissio	ons Method Code:		
	Reference:								
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 24	4-mo	onth	Period:			
	tons/year	From:				To:			
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed M	Ionit	orir	ng Period	1:		
	tons/year	□ 5 y	ears				10 years		
10.	Calculation of Emissions:								
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:								
	Limited to 50 ppm as specification of used oil.								

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H154 - Propionaldehyde	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour tr	ons/year	4. Synthetically Limited? □ Yes □ No						
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year							
6.	Emission Factor:				7.	Emissio	ons Method Code:		
	Reference:								
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 2-	4-mc	onth	Period: To:			
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit s	torir	ng Period	l: 10 years		
10.	Calculation of Emissions:								
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Commer	nt:						

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H162 - Selenium Compounds	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour te	ons/year	4. Synthetically Limited?					
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year						
6.	Emission Factor:				7. Er	nissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Per	riod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed M vears	Aonit	toring F	Period: □ 10 years		
10.	Calculation of Emissions:							
11. Pollutant Potential, Fugitive, and Actual Emissions Comment:								

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H169 - Toluene	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lin	nthet nitec Yes	tically 1? 5	🗆 No		
5.	Range of Estimated Fugitive Emissions (as app to t [,]	licable): ons/year							
6.	Emission Factor:		_		7.	Emissic	ons Method Code:		
	Reference:								
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 2	4-mc	onth	Period: To:			
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N rears	Aonit 5	torir	ng Period	l: 10 years		
10.	Calculation of Emissions:								
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Commer	nt:						

Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.
Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: HAPS - Total Hazardous Air Pollutants	2. Total P	erce	ent Ei	fficienc	ey of Control:	
3.	Potential Emissions: lb/hour to	ons/year 4. Syr			nthetica nited? Yes	lly	
5.	Range of Estimated Fugitive Emissions (as app to t ²	licable): ons/year					
6.	Emission Factor:				7. Er	nissions Method Code:	
	Reference:						
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Per	riod: To:	
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N rears	Aonit s	toring F	Period:	
10.	Calculation of Emissions:						
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:						

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

No Pollutant Allowable Emissions information submitted.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: NH3 - Ammonia	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour te	ons/year	Syr Lin	ntheti nited' Yes	cally ?	🗆 No	
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year					
6.	Emission Factor: 5 PPMVD Reference:				7.	Emissio	ons Method Code:
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth l	Period: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed M rears	Aonit S	toring	g Period	: 0 years
10.	Calculation of Emissions:						
11. Pollutant Potential, Fugitive, and Actual Emissions Comment:							

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

Allo	Allowable Emissions 1 of 1							
1.	Basis for Allowable Emissions Code: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	Future Effective Date of Allowable Emissions:	3				
3.	Allowable Emissions and Units: 5 TEST REQUIRED (NO ALLOWABLE EMISSION)	4.	4. Equivalent Allowable Emissions: lb/hour tons/y					
5.	Method of Compliance:							
6.	Allowable Emissions Comment (Description o 5 PPM Dry; Allowable added 04/02/2014A.B	f Op etan	erating Method): court					

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: NOX - Nitrogen Oxides	2. Total I	Perce	ent Ef	fficie	ency of Control:		
3.	Potential Emissions: 3384 lb/hour 11795 t	ons/year	4.	Syn Lin	theti ited Yes	cally ? ☑ No		
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): cons/year						
6.	Emission Factor: .47 LB/MMBTU Reference: Permit				7.	Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST- CASE ALLOWABLE EMISSION.		
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baseli From:	ine 24	4-mc	onth I	Period: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Project \Box 5	ted N years	Aonit	oring	g Period:		
10.	Calculation of Emissions:							
11. Pollutant Potential, Fugitive, and Actual Emissions Comment:								

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

Allowable Emissions 1 of 6

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:				
3.	Allowable Emissions and Units: .2 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: lb/hour tons/year				
5.	Method of Compliance:						
6.	Allowable Emissions Comment (Description of Operating Method):						

ENTER TEST RESULTS AGAINST SEQUENCE 001. 86 nanograms per joule heat input, 30 day rolling average while firing gaseous fuel.

Allowable Emissions 2 of 6

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:				
3.	Allowable Emissions and Units: .3 POUNDS PER MILLION BTU HEAT INPUT	4. Equivalent Allowable Emissions: 1999.5 lb/hour 8758 tons/					
5.	Method of Compliance: ANNUAL CEMS RATA						
6.	Allowable Emissions Comment (Description of Operating Method): ENTER TEST RESULTS AGAINST SEQUENCE 001. 129 nanograms per joule heat input, 30 day rolling average while firing liquid fuel.						

Allowable Emissions Allowable Emissions 3 of 6

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:					
3.	Allowable Emissions and Units: .7 POUNDS PER MILLION BTU HEAT INPUT	4.	. Equivalent Allowable Emissions: 4666 lb/hour 20435 tons/ye					
5.	Method of Compliance: ANNUAL CEMS RATA							
6.	Allowable Emissions Comment (Description of Operating Method): 300 nanograms per joule heat input, 30 day rolling average while firing solid fuel.							

Allowable Emissions 4 of 6

1.	Basis for Allowable Emissions Code: (ESCPSD) allow facility/modification to escape PSD preconstruction review	2.	Future Effective Date of Allowable Emissions:
3.	Allowable Emissions and Units: .47 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 3384 lb/hour 11899 tons/year
5.	Method of Compliance: ANNUAL CEMS RATA		
6.	Allowable Emissions Comment (Description o [END: 5/8/09] includes emissions from CBO u [permit no. 0170004-016-AC; PSD-FL-383]	f Op init.	erating Method): Emissions based on a 12-month rolling average

<u>Allowable Emissions</u> Allowable Emissions 5 of 6

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:				
3.	Allowable Emissions and Units: .46 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 3312 lb/hour 21928.7 tons/year				
5.	Method of Compliance: Acid Rain CEMS						
6.	Allowable Emissions Comment (Description of Operating Method): Part of NOx Averaging plan. Alt. Contemp. emissions limit of 0.59 lb/MMBtu for CY 2010 - 2014.						

<u>Allowable Emissions</u> Allowable Emissions 6 of 6

1.	Basis for Allowable Emissions Code: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	Future Effective Date of Allowable Emissions:				
3.	Allowable Emissions and Units: 2085 TONS/YEAR	4.	Equivalent Allowable Emissions: lb/hour 2085 tons/year				
5.	Method of Compliance: CEMS						
6.	Allowable Emissions Comment (Description of Operating Method): BART permit limit based on a 12-month rolling average for all periods of operation including startup, shutdown and malfunction.						

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: PB - Lead - Total (elemental lead and lead compounds)	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour te	ons/year	4. Syr Lin	nthetically nited? Yes	🗌 No			
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year						
6.	Emission Factor: Reference:			7. Emiss	sions Method Code:			
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-mo	onth Period To				
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: 5 years						
10.	Calculation of Emissions:							
11.	 Pollutant Potential, Fugitive, and Actual Emissions Comment: Limited to 100 ppm as specification of used oil 							

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

No Pollutant Allowable Emissions information submitted.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: PM - Particulate Matter - PM (Filterable)	2. Total P	'ercer	nt Effi	ciency of	Control:		
3.	Potential Emissions: 216 lb/hour 759.9 te	ons/year	4.	Synth Limite	etically ed? es	☑ No		
5.	Range of Estimated Fugitive Emissions (as app to t	of Estimated Fugitive Emissions (as applicable): to tons/year						
6.	Emission Factor: .3 LB/MMBTU Reference: Permit			7.	Emission (2) CA USE O BALA KNOW PROCI	ons Method Code: LCULATED BY F MATERIAL NCE AND VLEDGE OF THE ESS.		
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24	-mont	h Period: To:			
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed M /ears	onitor	ing Period	d: 10 years		
10.	Calculation of Emissions:							
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:							

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

Allowable Emissions 1 of 2

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:
3.	Allowable Emissions and Units: .1 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 667 lb/hour 2919 tons/year
5.	Method of Compliance: STACK TEST		
6.	Allowable Emissions Comment (Description o 43 nanograms per joule heat input.	f Op	erating Method):

Allowable Emissions Allowable Emissions 2 of 2

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:			
3.	Allowable Emissions and Units:	4.	Equivalent Allowable Emissions:			
	.03 POUNDS PER MILLION BTU HEAT INPUT		216 lb/hour 759.9 tons/year			
5.	Method of Compliance: STACK TEST					
6.	Allowable Emissions Comment (Description o	of Operating Method):				
	includes emissions from CBO unit. Emission based on a 3 run test average determined by EPA method 5 or 5b [permit no. 0170004-016-AC; PSD-FL-383]					

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: PM10 - Particulate Matter - PM10 (Filterable)	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: 216 lb/hour 759.9 to	ons/year	4. Syr Lin	nthetically nited? Yes	☑ No		
5.	Range of Estimated Fugitive Emissions (as app to te	Emissions (as applicable): to tons/year					
6.	Emission Factor: .3 LB/MMBTU Reference: Permit			7. Emiss (2) CA USE C BALA KNOV PROC	ions Method Code: ALCULATED BY OF MATERIAL ANCE AND WLEDGE OF THE ESS.		
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-me	onth Period: To:			
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Moni rears	toring Perio	od: 10 years		
10.	Calculation of Emissions:						
11.	 Pollutant Potential, Fugitive, and Actual Emissions Comment: see emission for PM 						

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

No Pollutant Allowable Emissions information submitted.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: PM2.5 - Particulate Matter - PM2.5 (Filterable)	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour t	ons/year	4. Syr Lin	nthetically nited? Yes	🗆 No		
5.	Range of Estimated Fugitive Emissions (as app to t	igitive Emissions (as applicable): to tons/year					
6.	Emission Factor: Reference:			7. Emissio	ons Method Code:		
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24-m	onth Period: To:			
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecte	ed Moni ears	toring Period	l: 10 years		
10.	Calculation of Emissions:						
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:						

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

No Pollutant Allowable Emissions information submitted.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: SAM - Sulfuric Acid Mist	2. Total P	Perce	ent E	ffici	ency of Control:	
3.	Potential Emissions: 64.8 lb/hour 268 to	ons/year	4.	Syn Lin	nthet nited Yes	ically ? ☑ No	
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year					
6.	Emission Factor: .009 LB/MMBTU Reference:				7.	Emissions Method Code: (2) CALCULATED BY USE OF MATERIAL BALANCE AND KNOWLEDGE OF THE PROCESS.	
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 2	4-mc	onth	Period: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto □ 5 y	ed N vears	Aonit s	torin	g Period:	
10.	Calculation of Emissions:						
11.	 Pollutant Potential, Fugitive, and Actual Emissions Comment: During temp demonstration trials the performance test for SAM emissions are exempt when collecting data; performance test shall consist of 9-1 hr test to determin SAM. 						

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

Allo	wable Emissions Allowable Emissions 1 of 1				
1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:		
3.	Allowable Emissions and Units: .009 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 64.8 lb/hour 227.85 tons/year		
5.	Method of Compliance:	-			
6.	Allowable Emissions Comment (Description of Operating Method): includes emissions from CBO unit. Emission based on 3 run test average determined by EPA method 8 or 8a [permit no. 0170004-016-AC; PSD-FL383]				

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: SO2 - Sulfur Dioxide	2. Total P	Perce	ent E	ffici	ency of Control:
3.	Potential Emissions: 1944 lb/hour 6835 te	ons/year	4.	Syn Lin	nthet nited Yes	ically l? ✓ No
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year				
6.	Emission Factor: 1.2 LB/MMBTU Reference: Permit				7.	Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST- CASE ALLOWABLE EMISSION.
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 2	4-mc	onth	Period: To:
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Project □ 5 y	ed N vears	/Ionit	torin	g Period:
10.	Calculation of Emissions:					
11.	 Pollutant Potential, Fugitive, and Actual Emissions Comment: Coal fuel blends shall not exceed a maximum spec of 5.5 lb SO2/MMBtu 					

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

Allowable Emissions 1 of 4

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:				
3.	Allowable Emissions and Units: 1.2 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 7998 lb/hour 35031 tons/year				
5.	Method of Compliance: ANNUAL CEMS RATA						
6.	Allowable Emissions Comment (Description o 520 nanograms per joule heat input 24 hr avera	f Op age v	verating Method): vhile firing coal.				

Allowable Emissions Allowable Emissions 2 of 4

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:			
3.	Allowable Emissions and Units: .8 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emi 5332 lb/hour	issions: 23354 tons/year		
5.	. Method of Compliance: ANNUAL CEMS RATA					
6.	Allowable Emissions Comment (Description of Operating Method): 340 nanograms per joule heat input, 24 hr average derived from liquid fuel.					

Allowable Emissions Allowable Emissions 3 of 4

1.	Basis for Allowable Emissions Code: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	Future Effective Date of Allowable Emissions:			
3.	Allowable Emissions and Units: 1.09 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 7265 lb/hour 31820 tons/year			
5.	Method of Compliance: ANNUAL CEMS RATA					
6.	Allowable Emissions Comment (Description of Operating Method): While firing coal briquette mixture. Basis for allowable emissions: 0170004-006-AC.					

<u>Allowable Emissions</u> Allowable Emissions 4 of 4

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:			
3.	Allowable Emissions and Units: .27 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 1944 lb/hour 6835 tons/year			
5.	Method of Compliance: ANNUAL CEMS RATA					
6.	Allowable Emissions Comment (Description of Operating Method): ncludes emissions from CBO unit. Emission based on 30 day rolling average [permit no. 170004-016-AC; PSD-FL-383]					

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: VOC - Volatile Organic Compounds	2. Total P	'ercent	t Efficier	icy of Control:		
3.	Potential Emissions: 28.8 lb/hour 126.1 te	ons/year	4. ^S I	Synthetic Limited?	ally V No		
5.	Range of Estimated Fugitive Emissions (as app to t						
6.	Emission Factor: .004 LB/MMBTU Reference: AP-42			7. E ((E F F	Emissions Method Code: 2) CALCULATED BY JSE OF MATERIAL BALANCE AND KNOWLEDGE OF THE PROCESS.		
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-	month P	eriod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projectø □ 5 y	ed Mo vears	mitoring	Period:		
10.	Calculation of Emissions:						
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:						

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

Allo	Ilowable Emissions 1 of 1				
1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:		
3.	Allowable Emissions and Units: .004 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 28.8 lb/hour 126.1 tons/year		
5.	5. Method of Compliance:				
6.	Allowable Emissions Comment (Description of Operating Method): includes emissions from CBO unit. Emission based on a 3 run test average determined by EPA method 25A [permit no. 0170004-016-AC; PSD-FL-383]				

G. VISIBLE EMISSIONS INFORMATION

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

Visi	Visible Emissions Limitation: Visible Emissions Limitation 1 of 2				
1.	Visible Emissions Subtype: VE10 - VISIBLE EMISSIONS - 10% NORMAL OPACITY	2.	Basis for Allowa ✓ Rule	ble Opacity:	
3.	Allowable Opacity:Normal Conditions: %Maximum Period of Excess Opacity Allowed:	ptio	nal Conditions:	20% 6 min/hour	
4.	4. Method of Compliance:				
5.	 Visible Emissions Comment: determined by EPA method 9 [permit no. 0170004-016-AC; PSD-FL-383] 				

Visible Emissions Limitation: Visible Emissions Limitation 2 of 2

1.	Visible Emissions Subtype: VE20 - VISIBLE EMISSIONS - 20% NORMAL OPACITY	2.	Basis for Allowal ☑ Rule	ble Opacity:
3.	Allowable Opacity: Normal Conditions: 40% Excep Maximum Period of Excess Opacity Allowed:	wable Opacity: mal Conditions: 40% Exceptional Conditions: imum Period of Excess Opacity Allowed:		27% 6 min/hour
4.	Method of Compliance:			
5.	Visible Emissions Comment: UNIT HAS OPACITY MONITOR UNDER Pl block average except 1 6-min/hr of 20% during	M. T g tem	emp opacity limit	of 15% (Method 9), 6-min onstration trials.

H. CONTINUOUS MONITOR INFORMATION

Complete if this emissions unit is or would be subject to continuous monitoring. Continuous Monitoring System: Continuous Monitor 1 of 4

1.	Parameter Code: EM - EMISSION	2.	Pollutant(s): CO	
3.	CMS Requirement:		Rule	□ Other
4.	Monitor Information Manufacturer: THERMO-FISHER Model Number: 48IANPCB		Se Numl	erial ber:
5.	Installation Date:	6.	Performance Sp 12-JUL-10	pecification Test Date:
7.	Continuous Monitor Comment: CARBON MONOXIDE-LO NOX BURNER U AVERAGE	JPG	RADE 0.17 LB/	MMBTU 30-DAY ROLLING
	Status: Active			
<u>Con</u>	tinuous Monitoring System: Continuous Mo	nito	r 2 of 4	
1.	Parameter Code: EM - EMISSION	2.	Pollutant(s): NOX	
3.	CMS Requirement:		Rule	□ Other
4.	Monitor Information Manufacturer: TECO Model 42 Number:		So Numl	erial ber:
5.	Installation Date:	6.	Performance Sp 12-JUL-10	pecification Test Date:
7.	Continuous Monitor Comment: NOx 2085 tpy based on 12-month rolling avera	ıge		
	Status: Active			

Continuous Monitoring	System:	Continuous Monitor 3 of 4

1.	Parameter Code: EM - EMISSION	2. Pollutant(s): SO2
3.	CMS Requirement:	□ Rule □ Other
4.	Monitor Information Manufacturer: TECO Model Number: 43B	Serial Number:
5.	Installation Date: 12-JUL-10	 Performance Specification Test Date: 12-JUL-10
7.	Continuous Monitor Comment: SO2 0.27 LB/MMBTU 30-DAY ROLLING A	VERAGE
	Status: Active	

Continuous Monitoring System: Continuous Monitor 4 of 4

1.	Parameter Code: VE - Visible emissions (opacity)	2. Pollutant(s):
3.	CMS Requirement:	□ Rule □ Other
4.	Monitor Information Manufacturer: LIGHTHAWK Model 560 Number:	Serial Number:
5.	Installation Date:	 Performance Specification Test Date: 22-APR-10
7.	Continuous Monitor Comment:	
	Status: Active	

	I. EMISSIONS UNIT ADDITIONAL INFORM	ATION
Add	litional Requirements for All Applications, Except as Otherwise State	<u>ed</u>
1.	Process Flow Diagram (Required for all permit applications, except Titl revision applications if this information was submitted to the departmen years and would not be altered as a result of the revision being sought)	e V air operation permit t within the previous five
	☐ Applicable ☐ Previously Submitted, Date:	☐ Attachment
2.	Fuel Analysis or Specification (Required for all permit applications, exc permit revision applications if this information was submitted to the dep previous five years and would not be altered as a result of the revision b Applicable Previously Submitted, Date:	cept Title V air operation partment within the eing sought) Attachment
3.	Detailed Description of Control Equipment (Required for all permit app air operation permit revision applications if this information was submit within the previous five years and would not be altered as a result of the Applicable Previously Submitted, Date:	lications, except Title V ted to the department revision being sought)
4.	Procedures for Startup and Shutdown (Required for all operation permit V air operation permit revision applications if this information was subr within the previous five years and would not be altered as a result of the Applicable Previously Submitted, Date:	applications, except Title nitted to the department revision being sought)
5.	Operation and Maintenance Plan (Required for all permit applications, e permit revision applications if this information was submitted to the dep previous five years and would not be altered as a result of the revision b	except Title V air operation partment within the eing sought) Attachment
6.	Compliance Demonstration Reports/Records Applicable Previously Submitted, Date: To Be Submitted, Date (if known): Previously Submitted Test Date(s)/Pollutants Tested: To be Submitted Test Date(s)/Pollutants Tested: Note: For FESOP applications, all required compliance demonstration resubmitted at the time of application. For Title V air operation permit application	☐ Attachment ecords/reports must be plications, all required
	compliance demonstration reports/records must be submitted at the time compliance plan must be submitted at the time of application.	e of application, or a
7.	Other Information Required by Rule or Statute	
		□ Attachment

Additional Requirements for Title V Air Operation Permit Applications

1.	Identification of Applicable Requirements	
		□ Attachment
2.	Compliance Assurance Monitoring Plan	
		□ Attachment
3.	Alternative Methods of Operation	
		□ Attachment
4.	Alternative Modes of Operation (Emissions Trading)	
	Applicable	☐ Attachment

Additional Requirements for Air Construction Permit Applications

1.	Control Technology Review and Analysis (Rules 62-212.400() CFR 63.43(d) and (e))	10) and 62-212.500(7), F.A.C.; 40
2.	Good Engineering Practice Stack Height Analysis (Rule 62-21 212.500(4)(f), F.A.C.)	2.400(4)(d), F.A.C., and Rule 62-
3.	Description of Stack Sampling Facilities (Required for propose only)	ed new stack sampling facilities
		□ Attachment
Oth	er Information Regarding this Emissions Unit	
1.	Other Emissions Unit Information	
		□ Attachment

Note: Provide any other information related to the emissions unit addressed in this Emissions Unit Information Section that is not elsewhere provided in the application, not otherwise required and that you, the applicant, believe may be helpful.

Additional Requirements Comment