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: 3781-1

Application Name: BIG BEND TITLE V RENEWAL

Date Submitted: 15 May 2014

### 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: TAMPA ELECTRIC COMPANY (TEC)				
2.	Site Name: BIG BEND STATE	ON			
3.	Facility Identification Number:	0570039			
4.	Facility Location Street Address or Other Locator:	BIG BEND STATION 13031 WYANDOTTE ROAD			
	City: APOLLO BEACH	County: HILL	SBC	OROUGH	Zip Code: 33572-9200
5.	Relocatable Facility?		6.	Existing Tit	tle V Permitted Facility

#### **Application Contact**

1.	Application Contact Name: ANDREW BASS	Application	n Contact Job Title:
2.	Application Contact Mailing Address		
	Organization/Firm ENVIRONMENTAL CO	NSULTING A	ND TECHNOLOGY
	Street Address: 3701 NW 98TH STREET		
	City: GAINESVILLE	State: FL	Zip Code: 32606
3.	Application Contact Telephone Numbers		
	Telephone: (352) 248-3354 ext.	Fax: (	386) 362-8879
4.	Application Contact Email Address: ravelasc	o@tecoenergy.	com

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

#### Air Construction Permit

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

# Air Operation Permit

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

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

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

 $\checkmark$  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

The purpose of this application is to renew the Title V operation permit (0570039-061-AV) which expires December 31, 2014.

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Emissions Unit ID Number	Description of Emissions Unit	Air Permit Type
43	One 1000 kW Black Start Emergency Engine/Gen Set	ACM1
1	Fossil Fuel Fired Steam Generator Unit No. 1	ACM1
2	Fossil Fuel Fired Steam Generator Unit No. 2	ACM1
3	Fossil Fuel Fired Steam Generator Unit No. 3	ACM1
4	Fossil Fuel Fired Steam Generator Unit No. 4	ACM1
8	Fly Ash Silo No. 1 Baghouse	ACM1
9	Fly Ash Silo No. 2 Baghouse	ACM1
10	Solid Fuel Yard Fugitive Emissions	ACM1
12	Limestone Silo A with 2 Baghouses	ACM1
13	Limestone Silo B with 2 Baghouses	ACM1
14	Fly Ash Silo No. 3 Baghouse	ACM1
15	Unit No. 1 Coal Bunker with Roto-Clone	ACM1
16	Unit No. 2 Coal Bunker with Roto-Clone	ACM1
17	Unit No. 3 Coal Bunker with Roto-Clone	ACM1
39	Unit No. 4 Coal Bunker with Roto-Clone	ACM1
21	Silo C with one Baghouse	ACM1
22	Lime Silo for Wastewater Treatment Plant with one Baghouse	ACM1
29	Fuel Blending Bin Cyclone Collectors (FH-032 through FH-035)	ACM1
20	Drops from Limestone Cnvyrs LE, LF, LG & Silo C Feeder wbag	ACM1
37	Coal Residual Storage Facility	ACM1
38	Coal Residual Transfer System	ACM1
23	Limestone Handling Converyors LB & LC with Baghouse	ACM1
30	Fuel Mill Cyclone Collectors (FH-048 and FH-049)	ACM1
32	Surface Coating of Miscellaneous Metal Parts	ACM1
36	Unregulated Emissions Units and/or Activities	ACM1
44	Coal Field Diesel Generator	ACM1
41	Unit 4: SCCT 4A: PWPS FT8-3 SwiftPac CT/Gen Peaking Unit	ACM1
42	Unit 4: SCCT 4B: PWPS FT8-3 SwiftPac CT/Gen Peaking Unit	ACM1
46	Transloading and Off-site Transfer	ACM1
47	Railcar Unloading and Conveying System	ACM1
45	Emergency Diesel Generator and Fire Pump Diesel Engine	ACM1
48	Supplemental Material Handling Conveyor System-J3 Conveyors	ACM1
50	Limestone Handling Conveyors LD & LE with Baghouse	ACM1

#### **Scope of Application**

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

#### **Owner/Authorized Representative Statement** Complete if applying for an air construction permit or an initial FESOP.

1.	Owner/Authorized Representative Nam	e: Owner/Authorized Representative Job Title	9:	
2.	Owner/Authorized Representative Mail	ing Address		
	Organization/Firm:			
	Street Address:			
	City:	State: Zip Code:		
3.	Owner/Authorized Representative Tele	phone Numbers		
	Telephone: () - ext.	Fax:		
4.	Owner/Authorized Representative Ema	l Address:		
5.	Owner/Authorized Representative State	ment:		
	By entering my PIN below, I certify that I am the owner or authorized representative of the corporation, partnership, or other legal entity submitting this air permit application. To the best of my knowledge, the statements made in this application are true, accurate and complete, and any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department.			

#### **Application Responsible Official Certification**

1.	Application Responsible Official Name:			
	RON BISHOP			
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.			
	$\Box$ 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: TAMPA ELECTRIC COMPANY			
	Street Address: P.O. BOX 111			
	City: TAMPA State: FL Zip Code: 33601-0111			
4.	Application Responsible Official Telephone Numbers			
	Telephone: (813)228-4111         ext.         Fax:			
5.	Application Responsible Official Email Address: rdbishop@tecoenergy.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)			

#### **Professional Engineer Certification**

1.	Professional Engineer Name:	Professional	l Engineer Job Title:
	ANDREW BASS	Environmer	ntal Consultant
	Registration Number: 75512		
2.	Professional Engineer Mailing Ad	ress	
	Organization/Firm: ENVIRONME	NTAL CONSULTING AN	ND TECHNOLOGY
	Street Address: 289 SW PARK	ST.	7. 0.1. 22077
	City: MAYO	State: FL	Zip Code: 32066
3.	Professional Engineer Telephone	umbers	
	Telephone: (386) 362-8879 ex	t. Fax:	
4.	Professional Engineer Email Addr	ss: ABASS@ECTINC.CC	)M
5.	Professional Engineer Statement:		
		1 , 11 . 4 ,1 ,	
	I hereby certify, except as particula	rly noted herein*, that:	
	(1) To the best of my knowledge, t unit(s) and the air pollution contro properly operated and maintained, pollutant emissions found in the FI Protection; and	here is reasonable assurance equipment described in the will comply with all applice prida Statutes and rules of	the that the air pollutant emissions is application for air permit, when the standards for control of air the Department of Environmental
	(2) To the best of my knowledge, a are true, accurate, and complete an calculating emissions or, for emiss emissions unit addressed in this ap calculations submitted with this ap	ny emission estimates report d are either based upon reat on estimates of hazardous plication, based solely uport plication.	orted or relied on in this application sonable techniques available for air pollutants not regulated for an n the materials, information and
	(3) If the purpose of this application so), I further certify that each emiss properly operated and maintained, application to which the unit is sub- and schedule is submitted with this	n is to obtain a Title V air of sions unit described in this will comply with the applic ject, except those emission application.	operation permit (check here $\Box$ , if application for air permit, when cable requirements identified in this is units for which a compliance plan
	(4) If the purpose of this application or concurrently process and obtain revision or renewal for one or mor so), I further certify that the engine application have been designed or and found to be in conformity with emissions of the air pollutants char	n is to obtain an air constru- an air construction permit proposed new or modified ering features of each such examined by me or individ sound engineering princip acterized in this application	action permit (check here $\Box$ , if so) and a Title V air operation permit d emissions units (check here $\boxdot$ , if a emissions unit described in this uals under my direct supervision les applicable to the control of n.
	(5) If the purpose of this application revision or renewal for one or more $\Box$ , if so), I further certify that, with application, each such emissions up with the information given in the c	n is to obtain an initial air of newly constructed or moo h the exception of any chan hit has been constructed or prresponding application for	operation permit or operation permit dified emissions units (check here nges detailed as part of this modified in substantial accordance or air construction permit and with

all provisions contained in such permit.

\* Explain any exception to the certification statement.

Professional Engineer Exception Statement:

#### **II. FACILITY INFORMATION A. GENERAL FACILITY INFORMATION**

Facility Location and Type						
1. Facility UTM CoordinatesZone 17East (km) 363.15North (km) 3074.91		<ol> <li>Facility Latitude/Longitude Latitude (DD/MM/SS) 27° 47` 36" N Longitude (DD/MM/SS) 82° 24` 11" W</li> </ol>				
3. Go Fac (0) OR A I ST GC	vernmental cility Code: NOT OWNED OPERATED BY FEDERAL, ATE, OR LOCAL OVERNMENT	4. Facility Status Code: Active	5.	Facility Major Group SIC Code: (49) ELECTRIC, GAS AND SANITARY SERVICES	6. Facility SIC(s): Primary: 4911	
7. Fac ELI	7. Facility Comment: ELECTRIC GENERATING STATION/NSPS TITLE V SOURCE					

#### **Facility Contact**

1.	Facility Contact Name:	Facility Contact Jo	bb Title:	
	ROBERT (ROB) A. VELASCO			
2.	Facility Contact Mailing Address			
	Organization/Firm: TAMPA ELEC	TRIC COMPANY		
	Street Address: 702 NORTH FI	RANKLIN STREET		
	City: TAMPA	State: FL	Zip 33602 Code:	
3.	Facility Contact Telephone Number	rs		
	Telephone: (813) 228-4232 ext. Fa	ax: (813) 228-1308		
4.	Facility Contact Email Address: rav	velasco@tecoenergy.com		

<u>Facility Primary Responsible Official</u> Complete if an "application responsible official" is identified in Section I. that is not the facility "primary responsible official."

1.	Facility Primary Responsible Official Name: RON BISHOP	Facility Primary Res Director, Big Bend I	ponsible Official Job Title: Power Station
2.	Facility Primary Responsible Official Mailing A	Address	
	Organization/Firm: TAMPA ELECTRIC COM	PANY	
	Street Address: P.O. BOX 111		
	City: TAMPA	State: FL	Zip Code: 33601-0111
3.	Facility Primary Responsible Official Telephon	e Numbers	
	Telephone: (813) 228-4111 ext. Fax:		

4. Facility Primary Responsible Official Email Address: rdbishop@tecoenergy.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.	<b>V</b>	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.	<b>~</b>	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.	Fac	ility Regulatory Classifications Comment:

#### List of Pollutants Emitted by Facility

1. Pollutants	2. Pollutant Classification	Emissions Cap
Emitted		[Y or N]?
Н133	(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
H106	(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
РВ	(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.	Ν
SO2	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	Υ
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
РМ	(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.	Y
NH3	(C) CLASS IS UNKNOWN	Ν
F049	(C) CLASS IS UNKNOWN	Ν
H187	(C) CLASS IS UNKNOWN	Ν
H026	(C) CLASS IS UNKNOWN	Ν
H021	(C) CLASS IS UNKNOWN	Ν
H162	(C) CLASS IS UNKNOWN	Ν
H114	(C) CLASS IS UNKNOWN	Ν
H113	(C) CLASS IS UNKNOWN	Ν
H110	(C) CLASS IS UNKNOWN	N
H046	(C) CLASS IS UNKNOWN	Ν
H027	(C) CLASS IS UNKNOWN	Ν
H015	(C) CLASS IS UNKNOWN	Ν
H014	(C) CLASS IS UNKNOWN	Ν
H182	(C) CLASS IS UNKNOWN	Ν
H186	(C) CLASS IS UNKNOWN	N
H163	(C) CLASS IS UNKNOWN	Ν
H169	(C) CLASS IS UNKNOWN	N
H167	(C) CLASS IS UNKNOWN	N

H154	(C) CLASS IS UNKNOWN	Ν
H144	(C) CLASS IS UNKNOWN	N
H128	(C) CLASS IS UNKNOWN	N
H126	(C) CLASS IS UNKNOWN	N
H121	(C) CLASS IS UNKNOWN	N
H120	(C) CLASS IS UNKNOWN	N
H118	(C) CLASS IS UNKNOWN	N
H117	(C) CLASS IS UNKNOWN	N
H109	(C) CLASS IS UNKNOWN	Ν
H095	(C) CLASS IS UNKNOWN	N
H088	(C) CLASS IS UNKNOWN	N
H089	(C) CLASS IS UNKNOWN	Ν
H087	(C) CLASS IS UNKNOWN	Ν
H085	(C) CLASS IS UNKNOWN	N
H079	(C) CLASS IS UNKNOWN	Ν
H054	(C) CLASS IS UNKNOWN	Ν
H053	(C) CLASS IS UNKNOWN	N
H043	(C) CLASS IS UNKNOWN	N
H041	(C) CLASS IS UNKNOWN	N
H040	(C) CLASS IS UNKNOWN	N
H025	(C) CLASS IS UNKNOWN	Ν
H023	(C) CLASS IS UNKNOWN	Ν
H020	(C) CLASS IS UNKNOWN	Ν
H017	(C) CLASS IS UNKNOWN	Ν
H006	(C) CLASS IS UNKNOWN	N
H004	(C) CLASS IS UNKNOWN	Ν
H001	(C) CLASS IS UNKNOWN	Ν
H151	(C) CLASS IS UNKNOWN	N
H132	(C) CLASS IS UNKNOWN	N
H022	(C) CLASS IS UNKNOWN	Ν
H058	(C) CLASS IS UNKNOWN	Ν
H165	(C) CLASS IS UNKNOWN	Ν
H148	(C) CLASS IS UNKNOWN	N
H047	(C) CLASS IS UNKNOWN	Ν
H119	(C) CLASS IS UNKNOWN	Ν
H125	(C) CLASS IS UNKNOWN	N
H104	(C) CLASS IS UNKNOWN	N
H076	(C) CLASS IS UNKNOWN	N
H032	(C) CLASS IS UNKNOWN	N

Tacincy what of	acinty-white of Multi-Onit Emissions Caps							
1. Pollutant Subject to Emissions Cap	2. Facility Wide Cap [Y or N]? (all units)	3. Emissions Unit ID No.s Under Cap (if not all units)	Hourly Cap (lb/hr)	5. Annual Cap (ton/yr)	6. Basis for Emissions Cap			
PM	No	1,2,3,4		2767	ESCPSD			
SO2	No	1,2,3,4		71810	ESCPSD			
VOC	No	1,2,3,4		39	ESCPSD			
7. Facility-Wide or Multi-Unit Emissions Cap Comment:								

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

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

1.	<ul> <li>Facility Plot Plan: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)</li> <li>Applicable Previously Submitted, Date: 06-JUN-08 Attachment</li> </ul>					
2.	Process Flow Diagram(s): (Required for all permit applications, except Ti permit revision applications if this information was submitted to the depar previous five years and would not be altered as a result of the revision bei ✓ Applicable ✓ Previously Submitted, Date: 06-JUN-08	tle V air operation truent within the ng sought)				
3.	<ul> <li>Precautions to Prevent Emissions of Unconfined Particulate Matter: (Requapplications, except Title V air operation permit revision applications if the submitted to the department within the previous five years and would not the revision being sought)</li> <li>✓ Applicable</li> <li>✓ Previously Submitted, Date: 06-JUN-08</li> </ul>	uired for all permit is information was be altered as a result of Attachment				

### Additional Requirements for Air Construction Permit Applications

1.	Area Map Showing Facility Location: (Not applicable for existing permitted facility)				
		□ Attachment			
2.	Description of Proposed Construction, Modification, or Plantwide Applicabil	lity Limit (PAL):			
		□ Attachment			
3.	Rule Applicability Analysis:				
		□ Attachment			
4.	List of Exempt Emissions Units:				
		□ Attachment			
5.	Fugitive Emissions Identification:				
		□ 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	C.):			
		□ Attachment			
10.	Alternative Analysis Requirement (Rule 62-212.500(4)(g), F.A.C.):				
		□ Attachment			

#### Additional Requirements for FESOP Applications

- 1. List of Exempt Emissions Units:
  - □ Applicable

□ Attachment

Add	litional Requirements for Title V Air Operation Permit Applications	
1.	List of Insignificant Activities: (Required for initial/renewal applications, but applications)	t not for revision
	✓ Applicable	Attachment
2.	Identification of Applicable Requirements (Required for initial/renewal application applications if this information would be changed as a result of the r sought):	ications, and for evision being
	✓ Applicable	Attachment
3.	Compliance Report and Plan: (Required for all initial/revision/renewal applic Note: A compliance plan must be submitted for each emissions unit that is no all applicable requirements at the time of application and/or at any time durin processing. The department must be notified of any changes in compliance st application processing.	eations): ot in compliance with ng application tatus during
	Applicable	Attachment
4.	List of Equipment/Activities Regulated under Title VI (If applicable, required applications only):	d 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, rec initial/renewal applications only):	quired for
	Applicable	Attachment
6.	Requested Changes to Current Title V Air Operation Permit:	
	✓ Applicable	<ul> <li>Attachment</li> </ul>

#### Additional Requirements for Facilities Subject to Acid Rain or CAIR Program:

1.	Acid Rain Program Forms:						
	Acid Rain Part Application (DEP Form No. 62-210.900(1)(a)):						
	□ Applicable	□ Previously Submitted, Date:	□ Attachment				
	Phase II NOX Averaging Plan (DEP Form No. 62-210.900(1)(a)1.):						
	□ Applicable	□ Previously Submitted, Date:	□ Attachment				
	New Unit Exemption (DEP Form No. 62-210.900(1)(a)2.):						
	□ Applicable	□ Previously Submitted, Date:	□ Attachment				
2.	CAIR Part (DEP Fo	orm No. 62-210.900(1)(b)):					
	□ Applicable	□ Previously Submitted, Date:	□ Attachment				

#### **Other Information Regarding this Facility:**

1. Other Facility Information:

Attachment

Additional Requirements Comment

#### **Facility Attachments**

Supplemental Item	Electronic File Name	Attachment Description	Electronic Document	Date Uploaded
Facility Plot Plan	Big Bend Attachment A, Facility Plot Plans.pdf	Big Bend Attachment A, Facility Plot Plans	Yes	05/15/2014
Process Flow Diagram (s)	Big Bend Attachment B, PFDs.pdf	Big Bend Attachment B, PFDs	Yes	05/15/2014
Precautions to Prevent Emissions of Unconfined Particulate Matter	Big Bend Attachment C, Precautions to Prevent Emissions of Unconfined Particulate Matter.pdf	Big Bend Attachment C, Precautions to Prevent Emissions of Unconfined Particulate Matter	Yes	05/15/2014
Other Facility Information	Big Bend TV Renewal - Cover Letter.pdf	Big Bend TV Renewal - Cover Letter	Yes	05/15/2014
List of Insignificant Activities	Big Bend Attachment D, List of Insignificant Activities.pdf	Big Bend Attachment D, List of Insignificant Activities	Yes	05/15/2014
Identification of Applicable Requirements	Big Bend Attachment E, Identification of Applicable Requirements.pdf	Big Bend Attachment E, Identification of Applicable Requirements	Yes	05/15/2014
Compliance Report and Plan	Big Bend Attachment F, Compliance Report.pdf	Big Bend Attachment F, Compliance Report	Yes	05/15/2014
List of Equipment/Activities Regulated under Title VI	Big Bend Attachment G, Title VI.pdf	Big Bend Attachment G, Title VI	Yes	05/15/2014
Verification of Risk Management Plan Submission to EPA	Big Bend Attachment H, Verification of Risk Management Plan Submittal to EPA.pdf	Big Bend Attachment H, Verification of Risk Management Plan Submittal to EPA	Yes	05/15/2014
Requested Changes to Current Title V Air Operation Permit	Big Bend Attachment I-1 Requested Changes to Title V Operation Permit - Bullet List.docx	Big Bend Attachment I-1 Requested Changes to Title V Operation Permit - Bullet List	Yes	05/15/2014
	Big Bend Attachment I-2 Requested Changes to Title V Operation Permit.docx	Big Bend Attachment I-2 Requested Changes to Title V Operation Permit	Yes	05/15/2014

#### III. EMISSIONS UNIT INFORMATION A. GENERAL EMISSIONS UNIT INFORMATION tion Permit Emissions Unit Classification

# **<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.
  - □ The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

#### **Emissions Unit Description and Status**

1.	Type of Emissions Unit Addressed in this Section: (Check one)							
	This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).							
	□ This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.							
	☐ This Emissions process or produ	Unit Information Section a activities w	ddresses, as a single emis which produce fugitive em	sions unit, one or more issions only.				
2.	Description of Emiss Fossil Fuel Fired Ste	ions Unit Addressed in th am Generator Unit No. 1	is Section:					
3.	Emissions Unit Ident	ification Number: 1						
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	<ul> <li>Emissions Unit Major Group SIC Code: 49</li> </ul>				
8.	<ul> <li>Federal Program Applicability: (Check all that apply)</li> <li>✓ Acid Rain Unit</li> <li>✓ CAIR Unit</li> </ul>							
9.	Package Unit     Model Number:       Manufacturer:     Model Number:							
10.	Generator Nameplate	e Rating: 445 MW						
11.	Generator Nameplate Rating:445MWEmissions Unit Comment:FGD system will serve both units 1 and 2. Units may fire up to 20% petcoke/ 80% coal when exhaust directed to FGD system.							

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

Code	Equipment	Description
10	ELECTROSTATIC PRECIPITATOR HIGH EFFICIENCY (95.0-99.9%)	Electrostatic precipitator with flue gas conditioning system. The flue gas conditioning system and the FGD system are not operated simultaneously.
205	LOW NOX BURNERS	Low NOx Burner
139	SCR (SELECTIVE CATALYTIC REDUCTION)	Selective Catalytic Reduction
42	WET LIMESTONE INJECTION	Flue gas desulfurization (FGD) system, wet limestone scrubber.

# **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: 4037 million	Btu/hr				
4.	Maximum Incineration Rate: pounds/hr tons/day					
5.	Requested Maximum Operating Schedule	2.				
		24 hours/day	7 days/week			
		52 weeks/year	8760 hours/year			
6.	Operating Capacity/Schedule Comment:					
	Design capacity 4,037 MMBtu/hr; Permittied Capacity: 5,015,495 MMBtu/yr firing coal & NG; 1,514,460 MMBty/y (Units 1-4 Combined) firing NG @ low load operation.(0570039-065-AC)					

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

Emi	ission Point Description and	<u>Type</u>			,	
1.	Identification of Point on Plot Plan or Flow Diagram: CS-001A		2.	<ol> <li>Emission Point Type Code:</li> <li>2 - An emission point serving 2 or more EU's capable of simultaneous operation</li> </ol>		
3.	Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:					
4.	ID Numbers or Descriptions of Emission Units with this Emission Point in Common:					
5.	Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION	<ol> <li>Stack Height:</li> <li>490 feet</li> </ol>			<ol> <li>7. Exit Diameter:</li> <li>29 feet</li> </ol>	
8.	Exit Temperature: 132° F	9. Actual Volu Rate: 2306709 act	<ul> <li>9. Actual Volumetric Flow Rate: 2306709 acfm</li> </ul>		10. Water Vapor: %	
11.	1. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: feet			
13.	<ul> <li>3. Emission Point UTM Coordinates</li> <li>Zone: 17 East (km): 361.716 North (km): 3075.06</li> </ul>		14. Emission Point Latitude/Longitude Latitude: 27° 47' 40" N Longitude: 82° 25' 4" W			
15.	. Emission Point Comment: This stack serves units 1 and 2. Stack parameters for CS0W1 are: Stack hgt. 490ft, exit dia. 29ft, exit temp. 132degF, vol flow rate 2306709 acfm.					

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

Seg	ment Description and Rate:	Segment 1 of 6					
1.	Segment Description (Process/Fuel Type): Coal burned in Unit No.1						
2.	Source Classification Code (SCC):3.SCC Units:10100201Tons Bituminous Coal Burned						
4.	Maximum Hourly Rate: 183.5	5. Maximum Annual Rate: 1607460		6. Estimated Annual Activity Factor:			
7.	Maximum % Sulfur: 5.4	8. Maximum % Ash: 10.7		9. Million Btu per SCC Unit: 22			
10.	). Segment Comment: Btu per SCC unit value based on a nominal coal heat content of 11,000 Btu/lb.						
	Is this a valid segment? Yes						

#### Segment Description and Rate: Segment 2 of 6

1.	Segment Description (Process/Fuel Type): Distillate (No.2) fuel oil burned in Unit No.1 for startup.						
2.	Source Classification Code (SCC): 10100501		<ol> <li>SCC Units: 1000 Gallons Distillate Oil (No. 1 &amp; 2) Burned</li> </ol>		stillate Oil (No. 1 & 2)		
4.	Maximum Hourly Rate: 24	<ol> <li>Maximum Annual Rate: 2112</li> </ol>		6.	Estimated Annual Activity Factor:		
7.	Maximum % Sulfur: .5	8.	8. Maximum % Ash:		9.	Million Btu per SCC Unit: 139	
10.	0. Segment Comment: Unit 1 no longer fires fuel oil (Project 057009-065-AC)						
	Is this a valid segment? Yes						

#### Segment Description and Rate: Segment 3 of 6

1.	Segment Description (Process/Fuel Type): Natural Gas fired during startup/shutdown/supplemental fuel							
2.	Source Classification Code (S 10100601	SCC):	<ol> <li>SCC Units: Million Cubic Feet Natural Gas Burned</li> </ol>					
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.	<ol> <li>Segment Comment: Max permitted heat input of 5,015,495 MMBtu/yr when co-firing coal &amp; NG; 1,514,460 MMBtu MMBtu/year Units 1-4 combined when firing NG during low load operation (Project No. 0570039-065-AC)</li> </ol>							
	Is this a valid segment? Yes							

#### **<u>Segment Description and Rate:</u>** Segment 4 of 6

1.	Segment Description (Process/Fuel Type): Coal/petroleum coke blends burned in Unit No.1						
2.	Source Classification Code (SCC): 10100801		3. SCC Units: Tons Coke Burned				
4.	Maximum Hourly Rate: 36.7	5. Maximum Annual Rate: 321492		6. Estimated Annual Activity Factor:			
7.	Maximum % Sulfur: 7	8. Maximum %	% Ash:	9. Million Btu per SCC Unit: 28			
10.	<ol> <li>Segment Comment: Coal/petroleum coke blends will be burned only with the FGD system operating. Up to 20% petcoke/80% coal allowed.</li> </ol>						
	Is this a valid segment? Yes						

#### **<u>Segment Description and Rate:</u>** Segment 5 of 6

1.	Segment Description (Process/Fuel Type): Raw Coal Residual from Polk Power Station							
2.	. Source Classification Code (SCC): 10101201			3. SCC Units: Tons Solid Waste Burned				
4.	Maximum Hourly Rate:	5.	Maximum Annual Rate: 73000		6.	Estimated Annual Activity Factor:		
7.	Maximum % Sulfur: 1.43	8.	8. Maximum % Ash: 57.7		9.	Million Btu per SCC Unit: 6		
10.	0. Segment Comment: Raw coal residual. Facility-wide limit: 200 tpd; equivalent to 73000 tpy.							
	Is this a valid segment? Yes							

#### Segment Description and Rate: Segment 6 of 6

1.	Segment Description (Process/Fuel Type): Refined/Beneficiated Coal Residual from Polk Power Station						
2.	Source Classification Code (S 10101202	SCC):	<ol> <li>SCC Units: Tons Refuse Derived Fuel Burned</li> </ol>				
4.	Maximum Hourly Rate:	5. Maximum Annual Rate: 182500		6. Estimated Annual Activity Factor:			
7.	Maximum % Sulfur: 1.5	8. Maximum % Ash: 35.4		9. Million Btu per SCC Unit: 18			
10.	0. Segment Comment: Beneficiated coal residual. Facility-wide limt: 500 tpd; equivalent to 182500 tpy.						
	Is this a valid segment? Yes						

	<b>E. EMISSIONS</b>	UNIT	POLLUTA	ANTS
List of Pollutants Emitted	<b>by Emissions Unit</b>			

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
СО			NS	Yes
H001				Yes
H004				Yes
H006				Yes
H014				Yes
H015				Yes
H017				Yes
H020				Yes
H021				Yes
H022				Yes
H023				Yes
H025				Yes
H027				Yes
H032				Yes
H040				Yes
H041				Yes
H043				Yes
H046				Yes
H047				Yes
H053				Yes
H054				Yes
H058				Yes
H076				Yes
H079				Yes
H085				Yes
H087				Yes
H088				Yes
H089				Yes
H095				Yes
H104				Yes
H106				Yes
H107				Yes
H109				Yes
H113				Yes
H114				Yes
H117				Yes
H118				Yes

H119				Yes
H120				Yes
H121				Yes
H125				Yes
H126				Yes
H128				Yes
H132				Yes
H133				Yes
H144				Yes
H148				Yes
H151				Yes
H154				Yes
H162				Yes
H163				Yes
H165				Yes
H167				Yes
H169				Yes
H182				Yes
H186				Yes
H187				Yes
NH3				Yes
NOX	LOW NOX BURNERS	SCR (SELECTIVE CATALYTIC REDUCTION)	NS	Yes
PB			NS	Yes
РМ	ELECTROSTATIC PRECIPITATOR HIGH EFFICIENCY (95.0- 99.9%)	WET LIMESTONE INJECTION	EL	Yes
PM10	ELECTROSTATIC PRECIPITATOR HIGH EFFICIENCY (95.0- 99.9%)	WET LIMESTONE INJECTION	NS	Yes
SO2	WET LIMESTONE INJECTION		EL	Yes
VOC			NS	Yes

# 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: 109 lb/hour 477 to	ons/year	4.	Syr Lin	nthet nitec Yes	ically l? No
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year				
6.	Emission Factor: Reference:				7.	Emissions Method Code: (3B) CALCULATED USING EMISSION FACTOR FROM AP- 42/FIRE SYSTEM OR OTHER PUBLISHED EMISSIONS CALCULATION SOURCE.
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. Projecto	ed N vears	/Ioni s	torir	ng Period:
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: H001 - Acetaldehyde	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour te	ons/year	4. Synthetically Limited? □ Yes ☑ No				
5.	Range of Estimated Fugitive Emissions (as app to te	licable): 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	Aoni S	torir	ng Period	l: 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: H004 - Acetophenone	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour te	ons/year	4. Synthetically Limited? □ Yes □ No				
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year					
6.	Emission Factor:				7. E	Emissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Po	eriod: To:	
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed N	/loni	toring	Period:	
	tons/year	□ 5 y	'ears	5		$\Box$ 10 years	
10.	Calculation of Emissions:						
11.	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: H006 - Acrolein	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour to	ons/year	4. Synthetically Limited? □ Yes □ No				
5.	Range of Estimated Fugitive Emissions (as app to t	licable): ons/year					
6.	Emission Factor:				7. E	Emissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2	4-mo	onth Pe	eriod:	
	tons/year	From:				To:	
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	Ioni	toring	Period:	
	tons/year	□ 5 y	ears	5		$\Box$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:						
	H014 - Antimony Compounds							
3.	Potential Emissions: lb/hour to	ons/year	/year 4. Synthetically Limited?					
5.	Range of Estimated Fugitive Emissions (as app	licable):						
	to to	ons/year						
6.	Emission Factor:				7. E	missions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	-mo	nth Pe	riod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed M	onit	oring	Period:		
	tons/year	□ 5 y	ears			$\square$ 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.

#### (Optional for unregulated emissions units.) 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 te	ons/year	4. Syr Lin □	nthetically nited? Yes	🗆 No		
5.	Range of Estimated Fugitive Emissions (as app to t	licable): ons/year					
6.	Emission Factor: Reference:			7. Emis	sions Method Code:		
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24-mo	onth Period To	1: o:		
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecte	ed Monir rears	toring Peri	od: 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.

# (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: H017 - Benzene (including benzene from gasoline)	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour tr	ons/year	4. Syr Lin	nthetical nited? Yes	ly 🗌 No				
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year								
6.	Emission Factor:			7. Err	nissions Method Code:				
	Reference:			<u> </u>					
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24-mo	onth Per	iod: To:				
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed Monit rears	toring Po	eriod:				
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.

(Optional for unregulated emissions units.) 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 to	ons/year	4.	cally				
5.	Range of Estimated Fugitive Emissions (as app to t <sup>,</sup>	olicable): ons/year						
6.	Emission Factor:				7. E	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth P	Period: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed N vears	Aonit S	toring	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:						
	H021 - Beryllium Compounds							
3.	Potential Emissions: lb/hour te	ons/year	4. Synthetically Limited? □ Yes □ No					
5.	Range of Estimated Fugitive Emissions (as app	licable):						
	to to	ons/year						
6.	Emission Factor:				7. E	missions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	1-mo	onth Pe	eriod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed M	Ionit	oring	Period:		
	tons/year	□ 5 y	ears			$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H022 - Biphenyl	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour te	ons/year	4.	ally □ No			
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year					
6.	Emission Factor:				7. I	Emissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth P	eriod: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N rears	Aonit S	toring	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.

(Optional for unregulated emissions units.) 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	ithetica nited? Yes	ally □ No	
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year					
6.	Emission Factor:				7. E	Emissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Pe	eriod: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed M vears	10nit 3	toring	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.

(Optional for unregulated emissions units.) 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. Synthetically Limited? □ Yes □ No					
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year								
6.	Emission Factor:				7.	Emissic	ons Method Code:	
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2	4-mc	onth I	Period:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	Aonit	toring	g Period	l:	
	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:						
	H027 - Cadmium Compounds							
3.	Potential Emissions: lb/hour to	ons/year	ar Synthetically Limited? □ Yes □ No					
5.	Range of Estimated Fugitive Emissions (as app	licable):						
	to to	ons/year						
6.	Emission Factor:				7. E	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	-mo	nth Pe	eriod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed M	onit	oring	Period:		
	tons/year	□ 5 y	ears			$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:						
	H032 - Carbon disulfide							
3.	Potential Emissions: lb/hour to	ons/year	year 4. Synthetically Limited? □ Yes □ No					
5.	Range of Estimated Fugitive Emissions (as app	olicable):						
	to to	ons/year						
6.	Emission Factor:				7. E	missions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mc	onth Pe	eriod:		
	tons/year	From:				То:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	/lonit	toring	Period:		
	tons/year	□ 5 y	ears	5		$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:						
	H040 - 2-Chloroacetophenone							
3.	Potential Emissions: lb/hour to	ons/year	ar Synthetically Limited? □ Yes □ No					
5.	Range of Estimated Fugitive Emissions (as app	licable):						
	to to	ons/year						
6.	Emission Factor:				7. Er	nissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	-mo	nth Pe	riod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed M	onit	oring F	Period:		
	tons/year	□ 5 y	ears			$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H041 - Chlorobenzene	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour te	ons/year	4.	ally			
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year					
6.	Emission Factor:				7. E	Emissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 2-	4-mo	onth Po	eriod: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit S	toring	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H043 - Chloroform	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lin	nthetica nited? Yes	ally □ No	
5.	Range of Estimated Fugitive Emissions (as app to tr	olicable): ons/year					
6.	Emission Factor:				7. E	missions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2	4-mc	onth Pe	eriod:	
	tons/year	From:				To:	
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	Monit	toring	Period:	
	tons/year	□ 5 y	ears	5		$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:				
	H046 - Chromium Compounds					
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn <sup>*</sup> Lim	thetic ited? Yes	ally □ No
5.	Range of Estimated Fugitive Emissions (as app	licable):				
	to to	ons/year				
6.	Emission Factor:				7. E	Emissions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24-	-mo	nth Pe	eriod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed M	onit	oring	Period:
	tons/year	□ 5 y	ears			$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:				
	H047 - Cobalt Compounds					
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lin	thetica ited? Yes	ally □ No
5.	Range of Estimated Fugitive Emissions (as app	licable):				
	to to	ons/year				
6.	Emission Factor:				7. E	missions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mo	onth Pe	eriod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	1onit	oring	Period:
	tons/year	□ 5 y	ears			$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H053 - Cumene	2. Total P	erce	ent E	fficier	ncy of Control:
3.	Potential Emissions: lb/hour te	ons/year	4.	Syr Lin	nthetic nited? Yes	ally
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year				
6.	Emission Factor:				7. I	Emissions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth P	eriod: To:
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit S	toring	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:				
	H054 - Cyanide Compounds					
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lim	thetica iited? Yes	ılly □ No
5.	Range of Estimated Fugitive Emissions (as app	licable):				
	to to	ons/year				
6.	Emission Factor:				7. E	missions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	1-mo	onth Pe	eriod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed M	Ionit	oring	Period:
	tons/year	□ 5 y	ears			$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H058 - Dibenzofurans	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour te	ons/year	4.	Syr Lin	ithetica nited? Yes	ally	
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year					
6.	Emission Factor:				7. E	Emissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth Pe	eriod: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed M vears		toring	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H076 - Dimethyl sulfate	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour te	ons/year	year 4. Synthetically Limited? □ Yes □ No					
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year						
6.	Emission Factor:				7.	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth I	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.	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:						
	H079 - 2,4-Dinitrotoluene							
3.	Potential Emissions: lb/hour to	tions/year 4. Synthetically Limited?						
5.	Range of Estimated Fugitive Emissions (as app	licable):						
	to to	ons/year						
6.	Emission Factor:				7. E	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mc	onth Po	eriod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	/onit	oring	Period:		
	tons/year	□ 5 y	'ears	5		$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H085 - Ethyl benzene	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour te	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 2-	4-mc	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	ons Commer	nt:					

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

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:						
	H087 - Ethyl chloride (Chloroethane)							
3.	Potential Emissions: lb/hour te	ons/year	cally □ No					
5.	Range of Estimated Fugitive Emissions (as app	licable):						
	to tons/year							
6.	Emission Factor:				7. ]	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	1-mo	onth P	eriod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed M	lonit	oring	Period:		
	tons/year	🗆 5 y	ears			$\square$ 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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:						
	H088 - Ethylene dibromide (Dibromoethane)							
3.	Potential Emissions: lb/hour te	ons/year 4. Synthetically Limited?						
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year						
6.	Emission Factor:				7. Er	nissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mc	onth Per	riod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed N	/lonit	oring P	eriod:		
	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.

#### (Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H089 - Ethylene dichloride (1,2- Dichloroethane)	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour t/	ons/year	4. Syr Lin	nthetically nited? Yes	/		
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year					
6.	Emission Factor: Reference:			7. Emi	ssions Method Code:		
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-mo	onth Peric T	od: `o:		
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	eted Monitoring Period: 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H095 - Formaldehyde	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour te	ons/year	4.	Syr Lin	ally			
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year						
6.	Emission Factor:				7. E	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth P	eriod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period:□5 years□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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H104 - Hexane	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour te	ons/year	4. Synthetically Limited? □ Yes □ No					
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year						
6.	Emission Factor:				7. E	missions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2	4-mo	onth Pe	eriod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	Aoni	toring	Period:		
	tons/year	🗆 5 y	ears	5		$\square$ 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.

#### (Optional for unregulated emissions units.) 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 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	sions Method Code:		
	Reference:						
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-mo	onth Period To	l: ):		
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Monitoring Period: 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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:						
	H107 - Hydrogen fluoride (Hydrofluoric acid)							
3.	Potential Emissions: lb/hour te	ons/year	4. Synthetically Limited? □ Yes □ No					
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year						
6.	Emission Factor:				7. Er	nissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 2	4-mc	onth Per	riod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed N	Aonit	toring F	Period:		
	tons/year	□ 5 y	ears	5		$\Box$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H109 - Isophorone	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour to	ons/year	4. Synthetically Limited? □ Yes □ No					
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year						
6.	Emission Factor:				7. E	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth Po	eriod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit S	toring	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:						
	H113 - Manganese Compounds							
3.	Potential Emissions: lb/hour to	ons/year	ally □ No					
5.	Range of Estimated Fugitive Emissions (as app	licable):						
	to to	ons/year						
6.	Emission Factor:				7. E	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	1-mo	onth Pe	eriod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed M	Ionit	oring	Period:		
	tons/year	□ 5 y	ears			$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H114 - Mercury 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 applicable): to tons/year								
6.	Emission Factor:				7. E	missions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baseline 24-month Period:						
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projected Monitoring Period:						
	tons/year	□ 5 y	ears	5		$\square$ 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.

# (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:					
	H117 - Methyl bromide (Bromomethane)						
3.	Potential Emissions: lb/hour to	ons/year 4. Synthetically Limited?					
5.	Range of Estimated Fugitive Emissions (as app	olicable):					
	to te	ons/year					
6.	Emission Factor:			7. Emis	sions Method Code:		
	Reference:						
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24-m	onth Perio	d:		
	tons/year	From:		Т	D:		
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed Moni	toring Peri	od:		
	tons/year	□ 5 y	ears		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.

(Optional for unregulated emissions units.) 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. Synthetically Limited?						
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year								
6.	Emission Factor:		_		7. Em	nissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth Peri	iod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed M 'ears	Ionit	oring Po	eriod:		
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.

#### (Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H119 - Methyl chloroform (1,1,1- Trichloroethane)	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour t	ons/year	4. Synthetically Limited? □ Yes □ No						
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year								
6.	Emission Factor: Reference:			7. Emi	ssions Method Code:				
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-mo	onth Perio T	od: `o:				
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecte	ed Moni <sup>,</sup> ears	toring Per	riod: 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.

# (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:							
	H120 - Methyl ethyl ketone (2-Butanone)								
3.	Potential Emissions: lb/hour t	ons/year	ons/year 4. Synthetically Limited? Synthetically Limited?						
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year								
6.	Emission Factor:				7. Er	nissions Method Code:			
	Reference:			_					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	-mo	onth Per	riod:			
	tons/year	From:				To:			
9.a.	. Projected Actual Emissions (if required):	9.b. Projected Monitoring Period:							
	tons/year	🗆 5 у	ears			$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:							
	H121 - Methyl hydrazine								
3.	Potential Emissions: lb/hour te	tons/year 4. Synthetically Limited?							
5.	5. Range of Estimated Fugitive Emissions (as applicable):								
	to to	ons/year							
6.	Emission Factor:			7. Emi	ssions Method Code:				
	Reference:								
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24-	-month Perio	od:				
	tons/year	From:		Т	`o:				
9.a.	. Projected Actual Emissions (if required):	9.b. Projected Monitoring Period:							
	tons/year	□ 5 y	ears		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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H125 - Methyl methacrylate	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour to	ons/year	4. Synthetically Limited? □ Yes □ No						
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year							
6.	Emission Factor:				7. E	missions Method Code:			
	Reference:								
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth Pe	eriod: To:			
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: $\Box$ 5 years $\Box$ 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.

(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 Lin	nthetic nited? Yes	ally □ No	
5.	Range of Estimated Fugitive Emissions (as app to t	licable): ons/year					
6.	Emission Factor:				7. E	Emissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 24	4-mc	onth Pe	eriod:	
	tons/year	From:				To:	
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed N	/lonit	toring	Period:	
	tons/year	🗆 5 y	ears	5		$\square$ 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.

# (Optional for unregulated emissions units.)

#### Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H128 - Methylene chloride (Dichloromethane)	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour t <sup>,</sup>	ons/year	4. Syr Lin	nthetically nited? Yes	y		
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year							
6.	Emission Factor: Reference:			7. Em	issions Method Code:		
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-mo	onth Perio	od: Го:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Monir rears	toring Pe	riod: 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H132 - Naphthalene	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour te	ons/year	4.	cally			
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year					
6.	Emission Factor:				7. E	Emissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth Po	eriod: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N ears	Aonit S	toring	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H133 - Nickel Compounds	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lin	ally □ No			
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year						
6.	Emission Factor:				7. E	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Pe	eriod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit	toring	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H144 - Phenol	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour to	ons/year	<ul> <li>4. Synthetically Limited?</li> <li>□ Yes □ No</li> </ul>						
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year								
6.	Emission Factor:				7. E	missions Method Code:			
	Reference:								
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24	-mo	nth Pe	eriod: To:			
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed M	onit	oring	Period:			
	tons/year	□ 5 y	ears			$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H148 - Phosphorus	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour tr	ons/year	4.	Syn Lin	nthetical nited? Yes	ly			
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year							
6.	Emission Factor:				7. En	nissions Method Code:			
	Reference:								
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	1e 24	4-mc	onth Per	iod: To:			
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period:□5 years□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.

(Optional for unregulated emissions units.) 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.	ally □ No				
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year						
6.	Emission Factor:				7. E	missions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Pe	eriod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit	toring	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:						
	H154 - Propionaldehyde							
3.	Potential Emissions: lb/hour te	ons/year	ear 4. Synthetically Limited? □ Yes □ No					
5.	Range of Estimated Fugitive Emissions (as app	olicable):						
	to to	ons/year						
6.	Emission Factor:				7. Er	nissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	1-mo	onth Per	riod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed M	Ionit	toring F	Period:		
	tons/year	□ 5 y	ears			$\Box$ 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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:						
	H162 - Selenium Compounds							
3.	Potential Emissions: lb/hour to	ons/year	ear 4. Synthetically Limited? □ Yes □ No					
5.	Range of Estimated Fugitive Emissions (as app	licable):						
	to to	ons/year						
6.	Emission Factor:				7. En	nissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	-mo	onth Per	iod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed M	onit	oring P	eriod:		
	tons/year	□ 5 y	ears			$\Box$ 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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H163 - Styrene	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour te	ons/year	4.	ally □ No					
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year							
6.	Emission Factor:				7. E	missions Method Code:			
	Reference:								
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2-	4-mo	onth Pe	eriod:			
	tons/year	From:				To:			
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	Ioni	toring	Period:			
	tons/year	□ 5 y	ears	5		$\Box$ 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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:								
	H165 - 2,3,7,8-Tetrachlorodibenzo-p-dioxin									
3.	Potential Emissions: lb/hour te	ons/year	4.	ally □ No						
5.	5. Range of Estimated Fugitive Emissions (as applicable):									
	to tons/year									
6.	Emission Factor:				7. E	Emissions Method Code:				
	Reference:									
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mc	onth Pe	eriod:				
	tons/year	From:				To:				
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed N	1onit	toring	Period:				
	tons/year	🗆 5 y	ears	5		$\square$ 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.

### (Optional for unregulated emissions units.)

#### Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H167 - Tetrachloroethylene (Perchloroethylene)	2. Total Percent Efficiency of Control:				
3.	Potential Emissions: lb/hour t/	ons/year	4. Syr Lin	nthetical nited? Yes	lly	
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year				
6.	Emission Factor: Reference:			7. En	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 Moni <sup>1</sup> vears	toring P	eriod:	
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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H169 - Toluene	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour te	ons/year	s/year 4. Synthetically Limited?				
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year					
6.	Emission Factor:			7.	Emissions Method Code:		
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-r	nonth	Period: To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed Moi	nitorin	g Period:		
	tons/year	🗆 5 y	ears		$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H182 - Vinyl acetate	2. Total P	ercent E	Efficiency	y of Control:		
3.	Potential Emissions: lb/hour to	ons/year	4. Synthetically Limited? □ Yes □ No				
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year					
6.	Emission Factor:			7. En	nissions Method Code:		
	Reference:						
8.a	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-m	onth Per	iod: To:		
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Projecto □ 5 y	ed Moni ears	toring P	eriod:		
10.	Calculation of Emissions:						
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Commei	nt:				

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H186 - Xylenes (isomers and mixtures)	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour te	tions/year 4. Synthetically Limited?					
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year					
6.	Emission Factor:				7. ]	Emissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 24	4-mc	onth P	Period:	
	tons/year	From:				To:	
9.a.	. Projected Actual Emissions (if required):	9.b. Projected Monitoring Period:					
	tons/year	🗆 5 y	ears	5		$\Box$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H187 - o-Xylenes	2. Total P	erce	ent E	fficier	ncy of Control:
3.	Potential Emissions: lb/hour te	ens/year 4. Synthetically Limited?				
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year				
6.	Emission Factor:				7. I	Emissions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth P	eriod: To:
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N ears	Aonit S	toring	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: NH3 - Ammonia	2. Total P	erce	ent E	fficier	ncy of Control:
3.	Potential Emissions: lb/hour te	ons/year 4. Synthetically Limited?				
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year				
6.	Emission Factor:				7. I	Emissions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth P	eriod: To:
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N rears	Aonit S	toring	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.

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.	Allowable Emissions and Units: 10 TEST REQUIRED (NO ALLOWABLE EMISSION)	4.	Equivalent Allowable Emissions: lb/hour tons/year				
5.	. Method of Compliance: Annual Stack Test						
6.	Allowable Emissions Comment (Description o Basis: Applicant Request. Corrective measure	f Op must	erating Method): t be taken if measured value exceed 5 ppmv.				

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: NOX - Nitrogen Oxides	2. Total P	'erce	nt E	ffici	ency of Control:	
3.	Potential Emissions: 484.4 lb/hour 2121.9 t	ons/year	4.	Syn Lin	nthet nited Yes	ically l? I? No	
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year					
6.	Emission Factor: Reference:				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	4-mc	onth	Period: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Project □ 5 y	ed N /ears	10nit 3	torin	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	wable Emissions Allowable Emissions 1 of 3					
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: .7 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: lb/hour tons/y	'ear		
5.	. Method of Compliance: Acid Rain Compliance					
6.	Allowable Emissions Comment (Description of Basis: Acid Rain Compliance. NOx emission a	f Op vera	erating Method): ge plan			

#### Allowable Emissions Allowable Emissions 2 of 3

1.	Basis for Allowable Emissions Code: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	Future Effective Date of Allowable Emissions: 2010-06-01			
3.	Allowable Emissions and Units: .12 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 484.4 lb/hour 2121.9 tons/year			
5.	. Method of Compliance: Heat Input Weighted - 30-day rolling average.					
6.	Allowable Emissions Comment (Description of Operating Method): Solid fuel. Basis for Allowable: Consent Decree & Permit No. 0570039-060-AC.					

#### Allowable Emissions Allowable Emissions 3 of 3

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: .12 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 963.9 lb/hour 4222.2 tons/year				
5.	Method of Compliance:						
6.	Allowable Emissions Comment (Description of Operating Method): Units 1 and 2 share a common stack. Compliance demonstrated according to the combined allowable emissions of each unit.						

# (Optional for unregulated emissions units.)

### 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	nthetica nited? Yes	ally □ No		
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year					
6.	Emission Factor: Reference:			7. E	missions Method Code:		
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-mo	onth Pe	eriod: To:		
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Monit rears	toring	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.

No Pollutant Allowable Emissions information submitted.

(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:					
	PM - Particulate Matter - Total	99.8					
3.	Potential Emissions: 121.1 lb/hour 530 te	ons/year	4.	Synt Lim	thetica ited? Yes	ally 🗹 No	
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year					
6.	Emission Factor: .03 LB/MMBTU Reference: ALLOWABLE ER				7. E (( E E E E	Consistent Method Code: D) EQUAL TO CQUIVALENT ALLOWABLE CMISSION/WORST- CASE ALLOWABLE CMISSION.	
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	-mo	nth Pe	eriod:	
	tons/year	From:				To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte	ed M vears	onito	oring	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.

|--|

1.	Basis for Allowable Emissions Code:	2.	Future Effective Date of Allowable Emissions:				
3.	Allowable Emissions and Units: .1 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissi 121.1 lb/hour	ons: 530 tons/year			
5.	Method of Compliance:						
6.	Allowable Emissions Comment (Description or	f Op	erating Method):				

#### Allowable Emissions Allowable Emissions 2 of 3

1.	Basis for Allowable Emissions Code: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	Future Effective Date of Allo Emissions:	wable		
3.	Allowable Emissions and Units: .03 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissi 121.1 lb/hour	ions: 530 tons/year		
5.	Method of Compliance:	-				
6.	. Allowable Emissions Comment (Description of Operating Method): All fuels. Basis for Allowable: Consent Decree & Permit No. 0570039-060-AC.					

#### Allowable Emissions Allowable Emissions 3 of 3

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: .03 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 241 lb/hour 1055 tons/year				
5.	Method of Compliance:						
6.	Allowable Emissions Comment (Description of Operating Method): Units 1 and 2 share a common stack. Compliance demonstrated according to the combined allowable emissions of each unit.						

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: PM10 - Particulate Matter - PM10	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour te	ons/year	4.	Syn Lin	nthetica nited? Yes	lly □ No	
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year					
6.	Emission Factor:				7. Ei	missions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 24	4-mc	onth Pe	riod:	
	tons/year	From:				To:	
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed N	/lonit	toring I	Period:	
	tons/year	□ 5 y	ears	5		$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: SO2 - Sulfur Dioxide	2. Total P	erce	ent Ei	fficie	ency of Control:
3.	Potential Emissions: 26240.5 lb/hour 114933.4 t	ons/year	4.	Syn Lin	itheti nited Yes	ically ? I No
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): cons/year				
6.	Emission Factor: 6.5 LB/MMBTU Reference: Permit Limit				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 <sup>-</sup>	ne 2-	4-mc	onth	Period: To:
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Projecta	ed N vears	/lonit	torin	g Period:
10.	Calculation of Emissions: Factor times 4037 mmBtu/hr heat input					
11.	Pollutant Potential, Fugitive, and Actual Emissi Potential emission is based on Unit No.1 opera	ions Commenting unscrub	nt: bed	at fu	ll pro	oduction for 8,760 hrs/yr.

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

Allowable Emissions 1 of 7

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: 6.5 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 26240.5 lb/hour 114933.4 tons/year
5.	Method of Compliance: Continuous emission monitoring		
6.	Allowable Emissions Comment (Description o Hourly rate is a two-hour average.	f Op	perating Method):

#### Allowable Emissions 2 of 7

1.	Basis for Allowable Emissions Code: (AMBIENT) reduce impact on ambient concentrations (Explain in comment field)	2.	Future Effective Date of Allowable Emissions:	2		
3.	Allowable Emissions and Units: 9689 POUNDS/HOUR	4.	Equivalent Allowable Emissions: 9689 lb/hour	tons/year		
5.	Method of Compliance: Continuous emissions monitoring					
6.	Allowable Emissions Comment (Description of Operating Method): Hourly rate applicable when Unit 2 is scrubbed and Units 1 and 3 are not scrubbed. (Operating					

scenario 6.)

#### Allowable Emissions Allowable Emissions 3 of 7

1.	Basis for Allowable Emissions Code: (AMBIENT) reduce impact on ambient concentrations (Explain in comment field)	2.	Future Effective Date of Allowable Emissions:	e	
3.	Allowable Emissions and Units: 11707 POUNDS/HOUR	4.	Equivalent Allowable Emissions: 11707 lb/hour	tons/year	
5.	Method of Compliance: Continuous emissions monitoring				
6.	Allowable Emissions Comment (Description of Operating Method): Hourly rate applicable when Units 2 and 3 are scrubbed and Unit 1 is not scrubbed. (Operating scenario 5.)				

regulation

25 TONS/HOUR

5. Method of Compliance:

3. Allowable Emissions and Units:

Continuous emissions monitoring

tons/year

#### Allowable Emissions Allowable Emissions 4 of 7

1.	Basis for Allowable Emissions Code: (AMBIENT) reduce impact on ambient concentrations (Explain in comment field)	2.	Future Effective Date of Allowable Emissions:			
3.	Allowable Emissions and Units: 3310 POUNDS/HOUR	4.	Equivalent Allowable Emissions: 3310 lb/hour tons/year			
5.	Method of Compliance: Continuous emission monitoring					
6.	Allowable Emissions Comment (Description of Operating Method): Hourly rate applicable when Unit 1 exhaust stream is treated in the FGD system. (Operating scenarios 1 through 4.)					
Allo	wable Emissions Allowable Emissions 5 of 7					
1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in	2.	Future Effective Date of Allowable Emissions:			

4.

Equivalent Allowable Emissions:

50000 lb/hour

# Allowable Emissions 6 of 7

6. Allowable Emissions Comment (Description of Operating Method):

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:	2		
3.	Allowable Emissions and Units: 31.5 TONS/HOUR	4.	Equivalent Allowable Emissions: 63000 lb/hour	tons/year		
5.	Method of Compliance: Continuous emissions monitoring					
6.	Allowable Emissions Comment (Description of Operating Method): Hourly rate represents total emissions from units 1,2 and 3 for a three hpur average period.					

Hourly rate represents total emissions from units 1,2 and 3 for a 24 hour average period.

#### Allowable Emissions Allowable Emissions 7 of 7

1.	Basis for Allowable Emissions Code: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	Future Effective Date of Allowable Emissions: 2013-01-01		
3.	Allowable Emissions and Units: .25 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 1009.3 lb/hour 4420 tons/year		
5.	Method of Compliance: Heat Input Weighted - 30-day rolling avg.				
6.	Allowable Emissions Comment (Description of Operating Method): Solid fuel. Basis for Allowable: Consent Decree & Permit No. 0570039-060-AC.				

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total P	'erce	ent E	Efficiency of Control:
3.	Potential Emissions: 13 lb/hour 56 t	ons/year	4.	Syr Lin	nthetically nited? Yes
5.	Range of Estimated Fugitive Emissions (as app to t	licable): ons/year			
6.	Emission Factor: Reference:				<ul> <li>7. Emissions Method Code:</li> <li>(3B) CALCULATED</li> <li>USING EMISSION</li> <li>FACTOR FROM AP-</li> <li>42/FIRE SYSTEM OR</li> <li>OTHER PUBLISHED</li> <li>EMISSIONS</li> <li>CALCULATION</li> <li>SOURCE.</li> </ul>
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 years	/Ioni 3	itoring 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.

# 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 1				
1.	Visible Emissions Subtype: VE20 - VISIBLE EMISSIONS - 20% NORMAL OPACITY	<ol> <li>Basis for Allow</li> <li>✓ Rule</li> </ol>	rable Opacity:		
3.	Allowable Opacity: Normal Conditions: 20% Exceptional Conditions: Maximum Period of Excess Opacity Allowed:		27% 6 min/hour		
4.	Method of Compliance: EPA METHOD 9				
5.	Visible Emissions Comment:				

## H. CONTINUOUS MONITOR INFORMATION

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

Continuous Monitoring System: Continuous Monitor 1 of 1

1.	Parameter Code: VE - Visible emissions (opacity)	2. Pollutant(s):
3.	CMS Requirement:	□ Rule □ Other
4.	Monitor Information Manufacturer: THERMO ELECTRON Model 400 Number:	Serial Number: 400-19284-183
5.	Installation Date: 01-MAR-86	<ol> <li>Performance Specification Test Date: 01-JUN-86</li> </ol>
7.	Continuous Monitor Comment:	
	Status: Active	

I. EMISSIONS UNIT ADDITIONAL INFORMATION	
Additional Requirements for All Applications, Except as Otherwise Stated	

1.	Process Flow Diagram (Required for all permit applications, except Title revision applications if this information was submitted to the department years and would not be altered as a result of the revision being sought)	V air operation permit within the previous five
	Applicable Previously Submitted, Date:	Attachment
2.	Fuel Analysis or Specification (Required for all permit applications, exce permit revision applications if this information was submitted to the depa previous five years and would not be altered as a result of the revision being Applicable Proviously Submitted Date:	pt Title V air operation rtment within the ing sought)
_	Applicable Previously Submitted, Date.	Attachment
3.	Detailed Description of Control Equipment (Required for all permit appli air operation permit revision applications if this information was submitted within the previous five years and would not be altered as a result of the r	cations, except Title V ed to the department revision being sought)
4.	<ul> <li>Procedures for Startup and Shutdown (Required for all operation permit a V 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 r</li> <li>✓ Applicable □ Previously Submitted, Date:</li> </ul>	applications, except Title itted to the department revision being sought)
5.	Operation and Maintenance Plan (Required for all permit applications, expermit revision applications if this information was submitted to the depart previous five years and would not be altered as a result of the revision best ✓ Applicable □ Previously Submitted, Date:	cept Title V air operation rtment within the ing sought) I Attachment
6.	Compliance Demonstration Reports/Records	
	Applicable	Attachment
	$\Box$ 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 rec submitted at the time of application. For Title V air operation permit appl compliance demonstration reports/records must be submitted at the time of compliance plan must be submitted at the time of application.	cords/reports must be ications, all required 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	
	Applicable	<ul> <li>Attachment</li> </ul>
3.	Alternative Methods of Operation	
	Applicable	<ul> <li>Attachment</li> </ul>
4.	Alternative Modes of Operation (Emissions Trading)	

#### Additional Requirements for Air Construction Permit Applications

	<u>+</u>	
1.	Control Technology Review and Analysis (Rules 62-212.400 CFR 63.43(d) and (e))	0(10) and 62-212.500(7), F.A.C.; 40
		Attachment
2.	Good Engineering Practice Stack Height Analysis (Rule 62- 212.500(4)(f), F.A.C.)	212.400(4)(d), F.A.C., and Rule 62-
		□ Attachment
3.	Description of Stack Sampling Facilities (Required for propo only)	osed new stack sampling facilities
	□ Applicable	□ Attachment
Oth	ner Information Regarding this Emissions Unit	
1.	Other Emissions Unit Information	
		—

☐ Applicable ☐ 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**

#### **Emission Unit Attachments**

Supplemental Item	Electronic File Name	Attachment Description	Electronic	Date Uploaded
Process Flow Diagram	Flow Diagram Big Bend Attachment B, PFDs.pdf Big Bend Attachment B, PFDs (This attachment applies to all the emission units at the facility)		Yes	05/15/2014
Fuel Analysis or Specification	Big Bend Attachment K, Typical Fuel Specifications.pdf	Big Bend Attachment K, Typical Fuel Specifications (This attachment applies to all the combustion sources at the facility)	Yes	05/15/2014
Procedures for Startup and Shutdown	Big Bend Attachment M, Procedures for Startup and Shutdown.pdf	Big Bend Attachment M, Procedures for Startup and Shutdown (This attachment applies to Units 1-4)	Yes	05/15/2014
Operation and Maintenance Plan	Big Bend Attachment N, Operation and Maintenance for Particulate Control.pdf	Big Bend Attachment N, Operation and Maintenance for Particulate Control (This attachment applies to Units 1-4)	Yes	05/15/2014
Compliance Demonstration Reports/Records	Big Bend Attachment Q, Compliance Demonstration Reports_Records.pdf	Big Bend Attachment Q, Compliance Reports (This attachment applies to all units which require compliance demonstration reports/records)	Yes	05/15/2014
Compliance Assurance Monitoring	Big Bend Attachment O, Compliance Assurance Monitoring Plan.pdf	Big Bend Attachment O, Compliance Assurance Monitoring Plan (This attachment applies to Units 1-4)	Yes	05/15/2014
Alternative Methods of Operation	Big Bend Attachments P, Alternative Methods of Operation.pdf	Big Bend Attachments P, Alternative Methods of Operation (This attachment applies to Units 1-4)	Yes	05/15/2014

#### III. EMISSIONS UNIT INFORMATION A. GENERAL EMISSIONS UNIT INFORMATION tion Parmit Emissions Unit Classification

# **<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.
  - $\square$  The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

## **Emissions Unit Description and Status**

1.	Type of Emissions Unit Addressed in this Section: (Check one)			
	This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).			
	This Emissions process or produ (stack or vent) b	Unit Information Section a lection units and activities w ut may also produce fugiti	ddresses, as a single emise which has at least one definitive ve emissions.	sions unit, a group of nable emission point
	☐ This Emissions process or produ	Unit Information Section a action units and activities v	ddresses, as a single emissivhich produce fugitive em	sions unit, one or more issions only.
2.	Description of Emiss Fossil Fuel Fired Ste	tions Unit Addressed in th am Generator Unit No. 2	is Section:	
3.	Emissions Unit Ident	tification Number: 2		
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	<ul> <li>Emissions Unit Major Group SIC Code: 49</li> </ul>
8.	Federal Program App ✓ Acid Rain Unit ✓ CAIR Unit	plicability: (Check all that	apply)	
9.	Package UnitModel Number:Manufacturer:			
10.	Generator Nameplate	e Rating: 445 MW		
11.	Emissions Unit Com FGD system will ser exhaust directed to F	ment: ve both units 1 and 2. Unit GD system.	ts may fire up to 20% petc	oke/ 80% coal when

### **Emissions Unit Control Equipment**

Code	Equipment	Description
10	ELECTROSTATIC PRECIPITATOR HIGH EFFICIENCY (95.0-99.9%)	Electrostatic precipitator with flue gas conditioning system. The flue gas conditioning system and the FGD system are not operated simultaneously.
205	LOW NOX BURNERS	Low NOx Burner
42	WET LIMESTONE INJECTION	Flue gas desulfurization (FGD) system, wet limestone scrubber.
139	SCR (SELECTIVE CATALYTIC REDUCTION)	Selective Catalytic Reduction

# **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: 3996 million	Btu/hr		
4.	Maximum Incineration Rate: pounds/hr tons/day			
5.	Requested Maximum Operating Schedule	2:		
		24 hours/day	7 days/week	
		52 weeks/year	8760 hours/year	
6.	Operating Capacity/Schedule Comment:			
	Design heat input rate is 3,996 MMBtu/h MMBtu/yr cofiring coal & NG; Units 1-4 (0570039-065-AC)	r monthly avg basis. Max combined 1,514,460 MN	Permitted heat input 4,295,353 MBtu/yr NG firing @ low load	

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

<u>Emi</u>	ssion Point Description and	<u> Туре</u>		
1.	Identification of Point on Plot Plan or Flow Diagram: CS-0W1		<ol> <li>Emission Point Type Code:</li> <li>2 - An emission point serving 2 or more EU's capable of simultaneous operation</li> </ol>	
3.	Descriptions of Emission Poi	nts Comprising th	iis Emissions Unit	for VE Tracking:
4.	ID Numbers or Descriptions	of Emission Units	with this Emissio	on Point in Common:
5.	Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION	<ol> <li>Stack Height:</li> <li>490 feet</li> </ol>		<ol> <li>7. Exit Diameter:</li> <li>29 feet</li> </ol>
8.	Exit Temperature: 132° F	<ul> <li>9. Actual Volumetric Flow Rate: 2306709 acfm</li> </ul>		10. Water Vapor: %
11.	. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: feet	
13.	<ul> <li>Emission Point UTM Coordinates</li> <li>Zone: East (km): North (km):</li> </ul>		14. Emission Po	int Latitude/Longitude Latitude: Longitude:
15.	Emission Point Comment:			

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

Seg	<u>ment Description and Rate:</u>	Segment 1 of 6		
1.	Segment Description (Proces Coal burned in Unit No.2	s/Fuel Type):		
2.	Source Classification Code (S 10100201	SCC):	3. SCC Units: Tons Bitumi	inous Coal Burned
4.	Maximum Hourly Rate: 181.6	5. Maximum Annual Rate: 1591135		6. Estimated Annual Activity Factor:
7.	Maximum % Sulfur: 5.4	8. Maximum % Ash: 10.7		9. Million Btu per SCC Unit: 22
10.	Segment Comment: Btu per SCC value based on	a nominal coal he	at content of 11,00	00 Btu/lb.
	Is this a valid segment? Yes			

### Segment Description and Rate: Segment 2 of 6

1.	Segment Description (Process/Fuel Type): Distillate (No.2) fuel oil burned in Unit No.2 for startup.				
2.	Source Classification Code (S 10100501	3. SCC Units: 1000 Gallon Burned	s Dist	tillate Oil (No. 1 & 2)	
4.	Maximum Hourly Rate: 24	5. Maximum Annual Rate: 2112		6.	Estimated Annual Activity Factor:
7.	Maximum % Sulfur: .5	8. Maximum % Ash:		9.	Million Btu per SCC Unit: 139
10.	<ol> <li>Segment Comment: No.2 fuel oil used for ignition during startup.</li> </ol>				
	Is this a valid segment? Yes				

## Segment Description and Rate: Segment 3 of 6

1.	Segment Description (Process/Fuel Type):			
	Natural gas fired during start	up/snutdown/supp		
2.	10100601	SCC):	3. SCC Units: Million Cub	ic Feet Natural Gas Burned
4.	Maximum Hourly Rate:	5. Maximum A	nnual Rate:	6. Estimated Annual Activity Factor:
7.	Maximum % Sulfur:	8. Maximum % Ash:		9. Million Btu per SCC Unit:
10.	Segment Comment:			
	Max permitted heat input of 4,295,353 MMBtu/yr when co-firing coal & NG; 1,514,460 MMBtu MMBtu/year Units 1-4 combined when firing NG during low load operation (Project No. 0570039-065-AC			
	Is this a valid segment? Yes			

## **<u>Segment Description and Rate:</u>** Segment 4 of 6

1.	Segment Description (Process/Fuel Type): Coal/petroleum coke blends burned in Unit No.2				
2.	Source Classification Code (SCC):3.SCC Units10100801Tons Coke			Burned	
4.	Maximum Hourly Rate:	5. Maximum Annual Rate: 318227		6. Estimated Annual Activity Factor:	
7.	Maximum % Sulfur: 7	8. Maximum % Ash:		9. Million Btu per SCC Unit: 28	
10.	<ol> <li>Segment Comment: Coal/petroleum coke blends will be burned only with the FGD system operating. Up to 20% petcoke/ 80% coal allowed.</li> </ol>				
	Is this a valid segment? Yes				

## Segment Description and Rate: Segment 5 of 6

1.	Segment Description (Process/Fuel Type): Raw Coal Residual from Polk Power Station							
2.	Source Classification Code (SCC):3.SCC Units:10101201Tons Solid Waste Burned							
4.	Maximum Hourly Rate:	<ol> <li>Maximum Annual Rate: 73000</li> </ol>		6.	Estimated Annual Activity Factor:			
7.	Maximum % Sulfur: 1.43	8.	8. Maximum % Ash: 57.7		9.	Million Btu per SCC Unit: 6		
10.	<ol> <li>Segment Comment: Raw coal residual. Facility-wide limit: 200 tpd; equivalent to 73000 tpy.</li> </ol>							
	Is this a valid segment? Yes							

### Segment Description and Rate: Segment 6 of 6

1.	Segment Description (Process/Fuel Type): Refined/Beneficiated Coal Residual from Polk Power Station							
2.	. Source Classification Code (SCC):       3. SCC Units:         10101202       Tons Refuse Derived Fuel Burned							
4.	Maximum Hourly Rate:	5. Maximum A 182500	Annual Rate:	6. Estimated Annual Activity Factor:				
7.	Maximum % Sulfur: 1.5	8. Maximum % Ash: 35.4		9. Million Btu per SCC Unit: 18				
10.	. Segment Comment: Beneficiated coal residual. Facility-wide limit: 500 tpd; equivalent to 182500 tpy.							
	Is this a valid segment? Yes							

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
СО			NS	Yes
H001				Yes
H004				Yes
H006				Yes
H014				Yes
H015				Yes
H017				Yes
H020				Yes
H021				Yes
H022				Yes
H023				Yes
H025				Yes
H027				Yes
H032				Yes
H040				Yes
H041				Yes
H043				Yes
H046				Yes
H047				Yes
H053				Yes
H054				Yes
H058				Yes
H076				Yes
H079				Yes
H085				Yes
H087				Yes
H088				Yes
H089				Yes
H095				Yes
H104				Yes
H106				Yes
H107				Yes
H109				Yes
H113				Yes
H114				Yes
H117				Yes
H118				Yes

H119				Yes
H120				Yes
H121				Yes
H125				Yes
H126				Yes
H128				Yes
H132				Yes
H133				Yes
H144				Yes
H148				Yes
H151				Yes
H154				Yes
H162				Yes
H163				Yes
H165				Yes
H167				Yes
H169				Yes
H182				Yes
H186				Yes
H187				Yes
NH3				Yes
NOX	LOW NOX BURNERS	SCR (SELECTIVE CATALYTIC REDUCTION)	NS	Yes
PB			NS	Yes
РМ	ELECTROSTATIC PRECIPITATOR HIGH EFFICIENCY (95.0- 99.9%)	WET LIMESTONE INJECTION	EL	Yes
PM10	ELECTROSTATIC PRECIPITATOR HIGH EFFICIENCY (95.0- 99.9%)	WET LIMESTONE INJECTION	NS	Yes
SO2	WET LIMESTONE INJECTION		EL	Yes
VOC			NS	Yes

(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: CO - Carbon Monoxide	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: 109 lb/hour 477 t	ons/year	4.	Syr Lin	nthet nitec Yes	tically 1? s	
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year					
6.	Emission Factor: Reference:				7.	Emissions Method Code: (3B) CALCULATED USING EMISSION FACTOR FROM AP- 42/FIRE SYSTEM OR OTHER PUBLISHED EMISSIONS CALCULATION SOURCE.	
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	ed N Jears	10ni 3	torir	ng Period:	
10.	Calculation of Emissions:						
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Comme	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H001 - Acetaldehyde	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour te	ons/year	a. Synthetically Limited? □ Yes □ No				
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year					
6.	Emission Factor:				7. E	missions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Pe	eriod: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit S	toring	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.

No Pollutant Allowable Emissions information submitted.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H004 - Acetophenone	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour tr	ons/year 4. Synthetically Limited? □ Yes □ No					🗆 No	
5.	Range of Estimated Fugitive Emissions (as app to t	licable): ons/year						
6.	Emission Factor:				7.	Emissi	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 vears	Aonit	torir	ng Perioc	1: 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.

No Pollutant Allowable Emissions information submitted.
(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H006 - Acrolein	2. Total Percent Efficiency of Control:								
3.	Potential Emissions: lb/hour te	ons/year 4. Synthetically Limited?								
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year									
6.	Emission Factor:				7. E	Emissions Method	l Code:			
	Reference:									
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2	4-mo	onth P	eriod:				
	tons/year	From:				To:				
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	/Ioni	toring	Period:				
	tons/year	□ 5 y	ears	5		$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H014 - Antimony 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. F	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth P	eriod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period:□5 years□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.

### (Optional for unregulated emissions units.)

#### 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 t/	ons/year	4. Syr Lin	nthetically nited? Yes	🗆 No			
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year							
6.	Emission Factor: Reference:			7. Emis	sions Method Code:			
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	.b. Baseline 24-month Period: From: To:					
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte	ed Monir rears	toring 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.

# (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: H017 - Benzene (including benzene from gasoline)	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour tr	ons/year	4. Syr Lin	nthetically nited? Yes	🗆 No			
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year							
6.	Emission Factor: Reference:			7. Emis	sions Method Code:			
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-mo	onth Period To	d: o:			
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Monit rears	toring 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.

(Optional for unregulated emissions units.) 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 to	ons/year 4. Synthetically Limited?								
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year									
6.	Emission Factor:				7. E	Emissions Method Code:				
	Reference:									
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth P	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.	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H021 - Beryllium 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	olicable): ons/year						
6.	Emission Factor:				7. E	missions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Pe	riod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period:   □ 5 years   □ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H022 - Biphenyl	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. E	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2	4-mo	onth Pe	eriod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed N	Ioni	toring	Period:		
	tons/year	□ 5 y	ears	5		$\Box$ 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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H023 - Bis(2-ethylhexyl)phthalate (DEHP)	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour t	ons/year 4. Synthetically Limited?							
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year								
6.	Emission Factor:				7. E	missions Method Code:			
	Reference:								
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Pe	eriod: To:			
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period:□5 years□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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H025 - Bromoform	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 te	licable): ons/year						
6.	Emission Factor:				7. E	missions Method Code:		
	Reference:			_				
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth Pe	eriod: To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed N	<i>I</i> oni	toring	Period:		
	tons/year	□ 5 y	ears	5		$\Box$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:						
	H027 - Cadmium Compounds							
3.	Potential Emissions: lb/hour te	tons/year 4. Synthetically Limited?						
5.	Range of Estimated Fugitive Emissions (as app	olicable):						
	to tons/year							
6.	Emission Factor:				7. Ei	missions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	1-mc	onth Pe	riod:		
	tons/year	From:				То:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed M	lonit	oring I	Period:		
	tons/year	🗆 5 y	ears			$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H032 - Carbon disulfide	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour to	ons/year 4. Synthetically Limited?						
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year						
6.	Emission Factor:				7. E	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	1e 24	4-mo	onth Pe	eriod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period:□5 years□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.

(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:						
	H040 - 2-Chloroacetophenone							
3.	Potential Emissions: lb/hour to	tons/year 4. Synthetically Limited?						
5.	Range of Estimated Fugitive Emissions (as app	licable):						
	to tons/year							
6.	Emission Factor:			7. Ei	missions Method Code:			
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24-m	onth Pe	riod:			
	tons/year	From:			To:			
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed Mon	itoring I	Period:			
	tons/year	🗆 5 y	ears		$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H041 - Chlorobenzene	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour to	ons/year	4. Synthetically Limited? □ Yes □ No					
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): cons/year						
6.	Emission Factor:		_		7.	Emissie	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	ed N ears	Aonit	orin	ng Period	1: 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H043 - Chloroform	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour tr	ons/year	4.	Syn Lin	ly 🗌 No		
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year					
6.	Emission Factor:				7. En	nissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Per	iod: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed M vears	Aonit	toring P	eriod:	
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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:					
	H046 - Chromium Compounds	L					
3.	Potential Emissions: lb/hour to	ons/year	4.	illy □ No			
5.	Range of Estimated Fugitive Emissions (as app	licable):					
	to to	ons/year					
6.	Emission Factor:				7. E	missions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 2	4-mo	onth Pe	eriod:	
	tons/year	From:				To:	
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed N	Aoni	toring	Period:	
	tons/year	🗆 5 y	ears	5		$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H047 - Cobalt 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.	Emissi	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	ed M ears	Aonit	torir	ng Period	1: 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H053 - Cumene	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour to	ons/year	4. Synthetically Limited? □ Yes □ No					
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year						
6.	Emission Factor:				7. 1	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24-	-mo	nth F	eriod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed Mo	onite	oring	Period:		
	tons/year	🗆 5 y	ears			$\square$ 10 years		
10.	Calculation of Emissions:							
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Comme	nt:					

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

(Optional for unregulated emissions units.) 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 te	ons/year	4. Synthetically Limited? □ Yes □ No					
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year						
6.	Emission Factor:				7.	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir From:	ne 24	4-mc	onth I	Period:		
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed N	/Ionit	toring	g Period:		
	tons/year	□ _ 5 y	ears	5	-	$\square$ 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.
(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H058 - Dibenzofurans	2. Total Percent Efficiency of Control:								
3.	Potential Emissions: lb/hour to	ons/year	4. Synthetically Limited? □ Yes □ No							
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year									
6.	Emission Factor:				7.	Emissie	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 M ears	Aonit s	torir	ng Period	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H076 - Dimethyl sulfate	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lin	lly				
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year							
6.	Emission Factor:				7. En	nissions Method Code:			
	Reference:								
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Per	iod: To:			
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed N	/lonit	toring P	eriod:			
	tons/year	□ 5 y	'ears	5		$\Box$ 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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H079 - 2,4-Dinitrotoluene	2. Total Percent Efficiency of Control:								
3.	Potential Emissions: lb/hour to	ons/year	4.	lly						
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/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	ed N ears	Aonit	toring F	eriod: □ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H085 - Ethyl benzene	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour to	ons/year	4.	ally □ No					
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year							
6.	Emission Factor:				7. E	Emissions Method Code:			
	Reference:								
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24	l-mo	onth Po	eriod: To:			
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed M	lonit	oring	Period:			
	tons/year	🗆 5 y	ears			$\square$ 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.

(Optional for unregulated emissions units.)

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.	llly				
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year						
6.	Emission Factor:		_		7. Eı	missions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Pe	riod: 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	ons Commer	nt:					

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H088 - Ethylene dibromide (Dibromoethane)	2. Total Percent Efficiency of Control:								
3.	Potential Emissions: lb/hour te	ons/year 4. Synthetically Limited?								
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year									
6.	Emission Factor:				7. E	Emissions Method Code:				
	Reference:									
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 24	1-mo	onth P	eriod:				
	tons/year	From:				To:				
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed M	lonit	oring	Period:				
	tons/year	🗆 5 у	rears			$\square$ 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.

# (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: H089 - Ethylene dichloride (1,2- Dichloroethane)	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour t <sup>,</sup>	ons/year	4. Syr Lin	nthetica nited? Yes	lly		
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year					
6.	Emission Factor: Reference:			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 Moni <sup>*</sup> ears	toring F	eriod: □ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H095 - Formaldehyde	2. Total Percent Efficiency of Control:								
3.	Potential Emissions: lb/hour t <sup>,</sup>	ons/year	4. Synthetically Limited? □ Yes □ No							
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year									
6.	Emission Factor:				7.	Emissie	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	ed M vears	Aonit	torir	ng Period	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.

(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: H104 - Hexane	2. Total Percent Efficiency of Control:								
3.	Potential Emissions: lb/hour to	tons/year 4. Synthetically Limited? Synthetically Limited?								
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year									
6.	Emission Factor:				7.	Emissi	ons Method Code:			
	Reference:									
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	1-mo	nth I	Period:				
	tons/year	From:				To:				
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed M	lonit	oring	g Perio	d:			
	tons/year	🗆 5 y	ears				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.

# (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: H106 - Hydrogen chloride (Hydrochloric acid)	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour t <sup>,</sup>	ons/year	4. Syr Lin	nthetionited? Yes	cally ? □ No			
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year						
6.	Emission Factor:			7.	Emissions Method Code:			
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24-mo	onth F	Period: To:			
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Moni <sup>*</sup> ears	toring	g 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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:								
3.	Potential Emissions: Ib/hour to	ons/year	4. Synthetically Limited? □ Yes □ No							
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year									
6.	Emission Factor:				7. Ei	missions Method Code:				
	Reference:									
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	1e 24	4-mc	onth Pe	riod: To:				
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed M rears	Ionit	oring I	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.

(Optional for unregulated emissions units.) 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.	Emissi	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	ed N vears	Aonit	torir	ng Perioc	1: 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:					
	H113 - Manganese Compounds						
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lin	nthetica nited? Yes	lly □ No	
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year					
6.	Emission Factor:				7. Er	nissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2	4-mc	onth Per	riod:	
	tons/year	From:				To:	
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	Aonit	toring P	eriod:	
	tons/year	□ 5 y	ears	5		□ 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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H114 - Mercury Compounds	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: Ib/hour to	ons/year	4.	Syn Lin	nthetic nited? Yes	ally □ No		
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year						
6.	Emission Factor:				7. E	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2	4-mc	onth Pe	eriod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed N	/lonit	toring	Period:		
	tons/year	□ 5 y	ears	5		$\Box$ 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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:						
	H117 - Methyl bromide (Bromomethane)							
3.	Potential Emissions: lb/hour te	ons/year	4.	Syn Lin	nthetica nited? Yes	.lly □ No		
5.	Range of Estimated Fugitive Emissions (as app	licable):						
	to to	ons/year						
6.	Emission Factor:				7. Ei	missions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2-	4-mc	onth Pe	riod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	Aonit	toring I	Period:		
	tons/year	□ 5 y	ears	5		$\Box$ 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.

(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: H118 - Methyl chloride (Chloromethane)	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour te	ons/year	4.	Syn Lin	nthetica nited? Yes	ally □ No		
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year						
6.	Emission Factor:				7. E	missions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2	4-mc	onth Pe	eriod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	<i>I</i> onit	toring l	Period:		
	tons/year	🗆 5 у	ears	5		$\square$ 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.

#### (Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H119 - Methyl chloroform (1,1,1- Trichloroethane)	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour t	ons/year	4. Syr Lin	nthetically nited? Yes	/		
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year					
6.	Emission Factor: Reference:			7. Emi	ssions Method Code:		
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-mo	onth Perio T	od: `o:		
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecte	ed Moni <sup>,</sup> ears	toring Per	riod: 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.

## (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 Lin	ithetic nited? Yes	ally		
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year						
6.	Emission Factor:				7. F	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	1e 24	4-mc	onth P	eriod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed M rears	Aonit s	toring	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.
(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H121 - Methyl hydrazine	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour to	ons/year	4. Synthetically Limited? □ Yes □ No					
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year						
6.	Emission Factor:				7. E	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mo	onth P	eriod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed N	/loni	toring	Period:		
	tons/year	□ 5 y	ears	5		$\Box$ 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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H125 - Methyl methacrylate	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	licable): ons/year						
6.	Emission Factor:				7. E	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Pe	eriod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit	toring	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:						
	H126 - Methyl tert butyl ether							
3.	Potential Emissions: lb/hour te	ons/year	4. Synthetically Limited? □ Yes □ No					
5.	Range of Estimated Fugitive Emissions (as app	licable):						
	to to	ons/year						
6.	Emission Factor:		_		7. E	missions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	1-mc	onth Pe	eriod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed M	lonit	oring l	Period:		
	tons/year	□ 5 y	ears			$\square$ 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.

# (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: H128 - Methylene chloride (Dichloromethane)	2. Total P	otal 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	ions 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. Projecto □ 5 y	ed Moni vears	toring Perio	od: 10 years			
10.	Calculation of Emissions:							
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Comme	nt:					

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

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H132 - Naphthalene	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lin	🗆 No				
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year							
6.	Emission Factor:		_		7.	Emissi	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	ed N vears	Aonit	torin	ng 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H133 - Nickel Compounds	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour to	ons/year	4.	ally □ No					
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year							
6.	Emission Factor:				7. E	missions Method Code:			
	Reference:								
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Pe	eriod: To:			
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed N	Aonit	toring	Period:			
10	tons/year	□ 5 y	'ears	3		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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H144 - Phenol	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour te	ons/year	4.	Syr Lin	ally			
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year						
6.	Emission Factor:				7. I	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth P	eriod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit S	toring	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H148 - Phosphorus	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 vears	/Ionit	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H151 - Polycyclic organic matter	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lin	ithetica nited? Yes	llly □ No			
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year							
6.	Emission Factor:				7. E	missions Method Code:			
	Reference:								
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Pe	riod: To:			
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N ears	/Ionit	toring l	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.

(Optional for unregulated emissions units.) 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 24	4-mo	onth	Period: To:			
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	/Ionit	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.

(Optional for unregulated emissions units.)

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.	ally □ No				
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year						
6.	Emission Factor:				7. E	missions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	1e 24	4-mo	onth Pe	eriod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N rears	Aonit S	toring	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H163 - Styrene	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: Ib/hour to	ons/year	4.	ally				
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year						
6.	Emission Factor:				7. I	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 2-	4-mo	onth P	eriod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit S	toring	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.

(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: H165 - 2,3,7,8-Tetrachlorodibenzo-p-dioxin	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour t	ons/year	as/year 4. Synthetically Limited? □ Yes □ No				
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year					
6.	Emission Factor:				7.	Emissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth I	Period: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto □ 5 y	ed N vears	Aonit s	toring	g 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.

# (Optional for unregulated emissions units.)

#### Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H167 - Tetrachloroethylene (Perchloroethylene)	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. Emis	sions Method Code:		
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-mo	onth Perioo	d: o:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte	ed Monir rears	toring Peri	iod: 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H169 - Toluene	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour te	ons/year	ally □ No				
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year					
6.	Emission Factor:				7. E	Emissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth P	eriod: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N rears	Aonit S	toring	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H182 - Vinyl acetate	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour t <sup>,</sup>	ons/year	ns/year 4. Synthetically Limited?					
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year						
6.	Emission Factor:				7.	Emissi	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 vears	Aonit s	torir	ng Period	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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H186 - Xylenes (isomers and mixtures)	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour t <sub>r</sub>	ons/year Synthetically Limited?						
5.	Range of Estimated Fugitive Emissions (as app to t	licable): ons/year						
6.	Emission Factor:				7. E	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	1e 24	4-mc	onth Po	eriod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed M rears	Aonit s	toring	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.

(Optional for unregulated emissions units.) 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. Synthetically Limited?						
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year						
6.	Emission Factor:		_		7. En	nissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Per	iod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed M vears	Aonit	coring Po	eriod:		
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.
(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: NH3 - Ammonia	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour te	ons/year	4.	Syn Lin	nthetica nited? Yes	llly □ No		
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year								
6.	Emission Factor:				7. E	missions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	1e 24	4-mc	onth Pe	riod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N rears	/Ionit	toring l	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.

Alle	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: 2009-04-30				
3.	Allowable Emissions and Units: 10 TEST REQUIRED (NO ALLOWABLE EMISSION)	4.	Equivalent Allowable Emissions: lb/hour to	ons/year			
5.	Method of Compliance: Annual Stack Test						
6.	Allowable Emissions Comment (Description of Basis: Applicant Request. Corrective measure	f Ope nust	erating Method): be taken if measured value exceed 5	ppmv.			

(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: NOX - Nitrogen Oxides	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: 2952 lb/hour 12952 to	ons/year	4. S L	ynthe imite	etically d? s □ No			
5.	Range of Estimated Fugitive Emissions (as app to t	tive Emissions (as applicable): to tons/year						
6.	Emission Factor: Reference:			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	nonth	n Period: To:			
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Projectø □ 5 y	ed Mo vears	nitori	ng 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	Illowable Emissions 1 of 3						
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: .74 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 2957 lb/hour 12951.8 tons/year				
5.	Method of Compliance: Acid Rain Compliance						
6.	Allowable Emissions Comment (Description of Basis: Acid Rain Compliance. NOx emission a	f Op vera	erating Method): ge plan				

#### Allowable Emissions 2 of 3

1.	Basis for Allowable Emissions Code: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	Future Effective Date of Allowable Emissions: 2009-04-30			
3.	Allowable Emissions and Units: .12 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 479.5 lb/hour 2100.3 tons/year			
5.	Method of Compliance: Heat Input Weighted - 30-day rolling average.					
6.	Allowable Emissions Comment (Description of Operating Method): Solid fuel. Basis for Allowable: Consent Decree & Permit No. 0570039-060-AC.					

#### Allowable Emissions Allowable Emissions 3 of 3

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: .12 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 963.9 lb/hour 4222.2 tons/year				
5.	Method of Compliance:						
6.	Allowable Emissions Comment (Description of Operating Method): Units 1 and 2 share a common stack. Compliance demonstrated according to the combined allowable emissions of each unit.						

# (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: PB - Lead - Total (elemental lead and lead compounds)	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour t	ons/year	4. Syr Lin	nthetically nited? Yes	v 🗆 No		
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year							
6.	Emission Factor: Reference:			7. Emi	ssions Method Code:		
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-ma	onth Perio T	od: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed Monif rears	toring Per	riod: 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.

(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: PM - Particulate Matter - Total	2. Total Pe 99.8	erce	nt Ef	ncy of Control:			
3.	Potential Emissions: 119.9 lb/hour 525 to	ons/year	4.	Syn Lin	thetionited? Yes	cally		
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year						
6.	Emission Factor: Reference:				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. Baseline From:	ie 24	4-mo	onth I	Period: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecter	d Mears	Ionit	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	Illowable Emissions 1 of 3							
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: 119.9 lb/hour 525 tons/year					
5.	Method of Compliance:	-						
6.	Allowable Emissions Comment (Description o Originating from the Consent Final Judgment a	f Op ind/c	erating Method): or the Consent Decree as amended					

#### Allowable Emissions Allowable Emissions 2 of 3

1.	Basis for Allowable Emissions Code: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	Future Effective Date of Allo Emissions:	wable			
3.	Allowable Emissions and Units: .03 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissi 119.9 lb/hour	ons: 525 tons/year			
5.	Method of Compliance:						
6.	Allowable Emissions Comment (Description of Operating Method): All fuels. Basis for Allowable: Consent Decree & Permit No. 0570039-060-AC.						

#### Allowable Emissions Allowable Emissions 3 of 3

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: .03 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 241 lb/hour 1055 tons/year				
5.	Method of Compliance:						
6.	Allowable Emissions Comment (Description of Operating Method): Units 1 and 2 share a common stack. Compliance demonstrated according to the combined allowable emissions of each unit.						

(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:	2. Total Percent Efficiency of Control:						
	PM10 - Particulate Matter - PM10							
3.	Potential Emissions: lb/hour to	ons/year	4. Sy	ynthetically imited? Yes	□ No			
5.	5. Range of Estimated Fugitive Emissions (as applicable):							
	to tons/year							
6.	Emission Factor:			7. Emiss	sions Method Code:			
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 24-n	nonth Period	l:			
	tons/year	From:		Tc	):			
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed Mor	nitoring Peri	od:			
	tons/year	□ 5 y	ears		10 years			
10.	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.

(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: SO2 - Sulfur Dioxide	2.	Total P	Perce	ent Ef	fficie	ncy of Control:
3.	Potential Emissions: 25974 lb/hour 113766.1	tons/y	ear	4.	Syn Lim	thetionited? Yes	cally ? I No
5.	Range of Estimated Fugitive Emissions (as ap to	plicab tons/y	ole): vear				
6.	Emission Factor: 6.5 LB/MMBTU Reference: PERMIT LIMIT					7.	Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST- CASE ALLOWABLE EMISSION.
8.a.	Baseline Actual Emissions (if required):	8.b.	Baseli	ne 2-	4-mo	onth H	Period:
	tons/year		From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b.	Project	ed N	Ionit	oring	g Period:
	tons/year		□ 5 y	/ears	5		$\Box$ 10 years
10.	Calculation of Emissions: Factor times 3996 mmBtu/hr heat input						
11.	Pollutant Potential, Fugitive, and Actual Emiss Potential emission is based on Unit No. 2 oper	ions C ating	Comme unscruł	nt: bbed	at fu	ıll pro	oduction for 8,760 hrs/yr.

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

Allowable Emissions 1 of 7

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: 6.5 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 25947 lb/hour 113766.1 tons/year
5.	Method of Compliance: Continuous emission monitoring		
6.	Allowable Emissions Comment (Description o Hourly rate is a two-hour average.	f Op	perating Method):

#### Allowable Emissions 2 of 7

1.	Basis for Allowable Emissions Code: (AMBIENT) reduce impact on ambient concentrations (Explain in comment field)	2.	Future Effective Date of Allowable Emissions:	2
3.	Allowable Emissions and Units: 9590 POUNDS/HOUR	4.	Equivalent Allowable Emissions: 9590 lb/hour	tons/year
5.	Method of Compliance: Continuous emission monitoring			
6.	Allowable Emissions Comment (Description of Operating Method): Hourly rate applicable when Unit 1 is scrubbed and Units 2 and 3 are not scrubbed. (Operating			

scenario 2.)

#### Allowable Emissions Allowable Emissions 3 of 7

1.	Basis for Allowable Emissions Code: (AMBIENT) reduce impact on ambient concentrations (Explain in comment field)	2.	Future Effective Date of Allowable Emissions:	9
3.	Allowable Emissions and Units: 11588 POUNDS/HOUR	4.	Equivalent Allowable Emissions: 11588 lb/hour	tons/year
5.	Method of Compliance: Continuous emission monitoring			
6.	Allowable Emissions Comment (Description o Hourly rate applicable when Units 1 and 3 are scenario 4.)	f Op scrul	erating Method): bbed and Unit 2 is not scrubbed. (Op	perating

tons/year

#### Allowable Emissions 4 of 7

1.	Basis for Allowable Emissions Code: (AMBIENT) reduce impact on ambient concentrations (Explain in comment field)	2.	Future Effective Date of Allowable Emissions:
3.	Allowable Emissions and Units: 3277 POUNDS/HOUR	4.	Equivalent Allowable Emissions: 3277 lb/hour tons/year
5.	Method of Compliance: Continuous emission monitoring		
6.	Allowable Emissions Comment (Description o Hourly rate applicable when Unit 2 exhaust str scenarios 1, 3, 5 and 6.)	f Op eam	erating Method): is treated in the FGD system. (Operating
Allo	wable Emissions Allowable Emissions 5 of 7		
1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:

4.

Equivalent Allowable Emissions:

50000 lb/hour

#### Allowable Emissions 6 of 7

Allowable Emissions Comment (Description of Operating Method):

3. Allowable Emissions and Units:

Continuous emission monitoring

25 TONS/HOUR

6.

5. Method of Compliance:

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:	2
3.	Allowable Emissions and Units: 31.5 TONS/HOUR	4.	Equivalent Allowable Emissions: 63000 lb/hour	tons/year
5.	Method of Compliance: Continuous emission monitoring			
6.	Allowable Emissions Comment (Description of Operating Method): Hourly rate represents total emissions from units 1,2 and 3 for a three hour average period.			

Hourly rate represents total emissions from units 1,2 and 3 for a 24 hour average period.

#### Allowable Emissions Allowable Emissions 7 of 7

1.	Basis for Allowable Emissions Code: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	Future Effective Date of Allowable Emissions: 2013-01-01
3.	Allowable Emissions and Units: .25 POUNDS PER BILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 999 lb/hour 4376 tons/year
5.	Method of Compliance: Heat Input Weighted - 30-day rolling avg.	•	
6.	Allowable Emissions Comment (Description o Solid fuel. Basis for Allowable: Consent Decre	f Op e &	erating Method): Permit No. 0570039-060-AC.

(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: VOC - Volatile Organic Compounds	2. Total Percent Efficiency of Control:			ency of Control:	
3.	Potential Emissions: 13 lb/hour 56 t	ons/year	4.	Syn Lim	thet iited Yes	ically l?
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year				
6.	Emission Factor: Reference:				7.	Emissions Method Code: (3B) CALCULATED USING EMISSION FACTOR FROM AP- 42/FIRE SYSTEM OR OTHER PUBLISHED EMISSIONS CALCULATION SOURCE.
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-	-mo	nth	Period: To:
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Mo years	onit	orin	ng Period:
10.	Calculation of Emissions:					
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Comme	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.

## G. VISIBLE EMISSIONS INFORMATION

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

Visi	ble Emissions Limitation: Visible Emissions	Limitation 1 of 1	
1.	Visible Emissions Subtype: VE20 - VISIBLE EMISSIONS - 20% NORMAL OPACITY	<ol> <li>Basis for Allowa</li> <li>□ Rule</li> </ol>	able Opacity: Other
3.	Allowable Opacity:Normal Conditions: 20%ExceptionMaximum Period of Excess Opacity Allowed:	ptional Conditions:	27% 6 min/hour
4.	Method of Compliance: EPA METHOD 9		
5.	Visible Emissions Comment:		

## H. CONTINUOUS MONITOR INFORMATION

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

Continuous Monitoring System: Continuous Monitor 1 of 1

1.	Parameter Code: VE - Visible emissions (opacity)	2. Pollutant(s):
3.	CMS Requirement:	□ Rule □ Other
4.	Monitor Information Manufacturer: THERMO ELECTRON Model 400 Number:	Serial 400-19284-183 Number:
5.	Installation Date: 01-MAR-86	<ol> <li>Performance Specification Test Date: 01-JUN-86</li> </ol>
7.	Continuous Monitor Comment:	
	Status: Active	

Add	I. EMISSIONS UNIT ADDITIONAL INFOR	MATION
1.	Process Flow Diagram (Required for all permit applications, except T revision applications if this information was submitted to the departm years and would not be altered as a result of the revision being sought Applicable Previously Submitted, Date:	itle V air operation permit ent within the previous five ) Attachment
2.	Fuel Analysis or Specification (Required for all permit applications, e permit revision applications if this information was submitted to the d previous five years and would not be altered as a result of the revision □ Applicable □ Previously Submitted, Date:	except Title V air operation epartment within the being sought) Attachment
3.	Detailed Description of Control Equipment (Required for all permit a air operation permit revision applications if this information was subn within the previous five years and would not be altered as a result of t □ Applicable □ Previously Submitted, Date:	pplications, except Title V nitted to the department he revision being sought)
4.	Procedures for Startup and Shutdown (Required for all operation perm V air operation permit revision applications if this information was su within the previous five years and would not be altered as a result of t □ Applicable □ Previously Submitted, Date:	nit applications, except Title bmitted to the department he revision being sought)
5.	Operation and Maintenance Plan (Required for all permit applications permit revision applications if this information was submitted to the d previous five years and would not be altered as a result of the revision	e, except Title V air operation epartment within the being sought)
6.	Compliance Demonstration Reports/Records <ul> <li>Applicable</li> <li>Previously Submitted, Date:</li> <li>To Be Submitted, Date (if known):</li> </ul> <li>Previously Submitted Test Date(s)/Pollutants Tested:</li> <li>To be Submitted Test Date(s)/Pollutants Tested:</li> <li>Note: For FESOP applications, all required compliance demonstration submitted at the time of application. For Title V air operation permit a compliance demonstration reports/records must be submitted at the tim compliance plan must be submitted at the time of application.</li>	☐ Attachment n records/reports must be applications, all required ne of application, or a
7.	Other Information Required by Rule or Statute Applicable	□ 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)	
	Alternative wodes of Operation (Emissions Trading)	

#### Additional Requirements for Air Construction Permit Applications

-	· · · · · · · · · · · · · · · · · · ·	
1.	Control Technology Review and Analysis (Rules 62-212.400(10) an CFR 63.43(d) and (e))	d 62-212.500(7), F.A.C.; 40
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.400 212.500(4)(f), F.A.C.)	(4)(d), F.A.C., and Rule 62-
3.	<ul> <li>Description of Stack Sampling Facilities (Required for proposed new only)</li> <li>Applicable</li> </ul>	v stack sampling facilities
Oth	er Information Regarding this Emissions Unit	
1.	Other Emissions Unit Information	

Applicable 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 tion Parmit Emissions Unit Classification

## Title V Air Operation Permit Emissions Unit Classification

- 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.
  - □ The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

#### **Emissions Unit Description and Status**

1.	. Type of Emissions Unit Addressed in this Section: (Check one)							
	<ul> <li>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).</li> <li>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.</li> <li>This Emissions Unit Information Section addresses, as a single emissions unit, one or more</li> </ul>							
	process or produ	iction units and activities v	vnich produce fugitive em	issions only.				
2.	Description of Emiss Fossil Fuel Fired Ste	sions Unit Addressed in th am Generator Unit No. 3	is Section:					
3.	Emissions Unit Iden	tification Number: 3						
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	<ul> <li>7. Emissions Unit Major Group SIC Code: 49</li> </ul>				
8.	<ul> <li>Federal Program Applicability: (Check all that apply)</li> <li>✓ Acid Rain Unit</li> <li>✓ CAIR Unit</li> </ul>							
9.	Package Unit Model Number: Manufacturer:							
10.	Generator Nameplate	e Rating: 445 MW						
11.	Emissions Unit Com	iment:						

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

Code	Equipment	Description
10	ELECTROSTATIC PRECIPITATOR HIGH EFFICIENCY (95.0-99.9%)	Electrostatic precipitator with flue gas conditioning system. The flue gas conditioning system and the FGD system are not operated simultaneously.
205	LOW NOX BURNERS	Low NOx Burner
42	WET LIMESTONE INJECTION	Flue gas desulfurization (FGD) system, wet limestone scrubber.
139	SCR (SELECTIVE CATALYTIC REDUCTION)	Selective Catalytic Reduction

# **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: 4115 million	Btu/hr	
4.	Maximum Incineration Rate:	pounds/hr tons/day	
5.	Requested Maximum Operating Schedule	:	
		24 hours/day	7 days/week
		52 weeks/year	8760 hours/year
6.	Operating Capacity/Schedule Comment:		
	Design heat input rate 4115 MMBtu/hr; N NG; Units 1-4 combined-1,514,460 MMB 065-AC).	lax Permitted 5,029,622 tu/yr firing NG during lo	MMBtu/yr co-firing coal & ow load operation (0570039-

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

<u>Emi</u>	ssion Point Description and	<u>Type</u>			
1.	Identification of Point on Plot Plan or Flow Diagram: BB-003		<ol> <li>Emission Point Type Code:</li> <li>1 - A single emission point serving a single emissions unit</li> </ol>		
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	on Point in Common:	
5.	Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION	<ol> <li>Stack Height:</li> <li>490 feet</li> </ol>		<ol> <li>7. Exit Diameter:</li> <li>24 feet</li> </ol>	
8.	Exit Temperature: 127° F	9. Actual Volumetric Flow Rate: 1389740 acfm		10. Water Vapor: %	
11.	. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: feet		
13.	<ul> <li>B. Emission Point UTM Coordinates</li> <li>Zone: 17 East (km): 361.82 North (km): 3075.06</li> </ul>		14. Emission Po	int Latitude/Longitude Latitude: 27° 47' 40" N Longitude: 82° 25' 0" W	
15.	Emission Point Comment: EU3 stack data is for CS002	(unscrubbed).			

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

Seg	ment Description and Rate:	Segment 1 of 6				
1.	1. Segment Description (Process/Fuel Type):					
2.	Source Classification Code (S 10100201	SCC):	3. SCC Units: Tons Bitumi	inou	s Coal Burned	
4.	Maximum Hourly Rate: 187	5. Maximum A 1638518	5. Maximum Annual Rate: 1638518		Estimated Annual Activity Factor:	
7.	Maximum % Sulfur: 5.4	8. Maximum % Ash: 13.3		9.	Million Btu per SCC Unit: 22	
10.	10. Segment Comment: Btu per SCC unit value based on a nominal coal heat content of 11,000 Btu/lb.					
	Is this a valid segment? Yes					

#### Segment Description and Rate: Segment 2 of 6

1.	Segment Description (Process/Fuel Type):				
2.	Source Classification Code (SCC): 10100501		<ol> <li>SCC Units: 1000 Gallons Distillate Oil (No. 1 &amp; 2) Burned</li> </ol>		
4.	Maximum Hourly Rate:	5. Maximum Annual Rate:		6.	Estimated Annual Activity Factor:
7.	Maximum % Sulfur: .5	8. Maximum % Ash: .1		9.	Million Btu per SCC Unit: 139
10.	0. Segment Comment: No.2 oil used for ignition during startup.				
	Is this a valid segment? Yes				

## Segment Description and Rate: Segment 3 of 6

1.	Segment Description (Process/Fuel Type): Natural gas fired during startup/shutdown/supplemental fuel.				
2.	Source Classification Code (SCC): 10100601		<ol> <li>SCC Units: Million Cubic Feet Natural Gas Burned</li> </ol>		
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.	<ol> <li>Segment Comment: Max permitted heat input of 5,029,622 MMBtu/yr when co-firing coal &amp; NG; 1,514,460 MMBtu MMBtu/year Units 1-4 combined when firing NG during low load operation (Project No. 0570039-065-AC</li> </ol>				
	Is this a valid segment? Yes				

### Segment Description and Rate: Segment 4 of 6

1.	Segment Description (Process/Fuel Type):							
2.	Source Classification Code (SCC): 10100801		3. SCC Units: Tons Coke Burned					
4.	Maximum Hourly Rate: 37.4	<ol> <li>Maximum Annual Rate: 327704</li> </ol>		6.	Estimated Annual Activity Factor:			
7.	Maximum % Sulfur: 7	8. Maximum % Ash:		9.	Million Btu per SCC Unit: 28			
10.	<ol> <li>Segment Comment: Coal/petroleum coke blends will be burned only with the FGD system operating. Up to 20% petcoke/80% coal allowed.</li> </ol>							
	Is this a valid segment? Yes			Is this a valid segment? Yes				

## Segment Description and Rate: Segment 5 of 6

1.	Segment Description (Process/Fuel Type): Raw Coal Residual from Polk Power Station					
2.	Source Classification Code (SCC):3.10101201		3. SCC Units: Tons Solid Waste Burned		te Burned	
4.	Maximum Hourly Rate:	5.	5. Maximum Annual Rate: 73000		6.	Estimated Annual Activity Factor:
7.	Maximum % Sulfur: 1.43	<ol> <li>Maximum % Ash: 57.7</li> </ol>		9.	Million Btu per SCC Unit: 6	
10.	0. Segment Comment: Raw coal residual. Facility-wide limit: 200 tpd; equivalent to 73000 tpy.					
	Is this a valid segment? Yes					

#### Segment Description and Rate: Segment 6 of 6

1.	Segment Description (Process/Fuel Type): Refined/Beneficiated Coal Residual from Polk Power Station				
2.	Source Classification Code (SCC): 10101202		<ol> <li>SCC Units: Tons Refuse Derived Fuel Burned</li> </ol>		
4.	Maximum Hourly Rate:	5. Maximum Annual Rate: 182500		6. Estimated Annual Activity Factor:	
7.	Maximum % Sulfur: 1.5	8. Maximum % Ash: 35.4		9. Million Btu per SCC Unit: 18	
10.	0. Segment Comment: Beneficiated coal residual. Facility-wide limt: 500 tpd; equivalent to 182500 tpy.				
	Is this a valid segment? Yes				

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
СО			NS	Yes
H001				Yes
H004				Yes
H006				Yes
H014				Yes
H015				Yes
H017				Yes
H020				Yes
H021				Yes
H022				Yes
H023				Yes
H025				Yes
H027				Yes
H032				Yes
H040				Yes
H041				Yes
H043				Yes
H046				Yes
H047				Yes
H053				Yes
H054				Yes
H058				Yes
H076				Yes
H079				Yes
H085				Yes
H087				Yes
H088				Yes
H089				Yes
H095				Yes
H104				Yes
H106				Yes
H107				Yes
H109				Yes
H113				Yes
H114				Yes
H117				Yes
H118				Yes

H119				Yes
H120				Yes
H121				Yes
H125				Yes
H126				Yes
H128				Yes
H132				Yes
H133				Yes
H144				Yes
H148				Yes
H151				Yes
H154				Yes
H162				Yes
H163				Yes
H165				Yes
H167				Yes
H169				Yes
H182				Yes
H186				Yes
H187				Yes
NH3				Yes
NOX	LOW NOX BURNERS	SCR (SELECTIVE CATALYTIC REDUCTION)	NS	Yes
PB			NS	Yes
РМ	ELECTROSTATIC PRECIPITATOR HIGH EFFICIENCY (95.0- 99.9%)		EL	Yes
PM10			NS	Yes
SO2	WET LIMESTONE INJECTION		EL	Yes
VOC			NS	Yes

(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: 114 lb/hour 499 to	ons/year	4.	Syr Lin	nthet nitec Yes	tically 1? 5			
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year								
6.	Emission Factor: Reference:				7.	Emissions Method Code: (3B) CALCULATED USING EMISSION FACTOR FROM AP- 42/FIRE SYSTEM OR OTHER PUBLISHED EMISSIONS CALCULATION SOURCE.			
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. Projected Monitoring Period:□5 years□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.

(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 t <sup>,</sup>	tons/year 4. Synthetically Limited?					🗆 No
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year					
6.	Emission Factor:				7.	Emissi	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	ed M vears	Aonit	torir	ng Period	1: 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.

No Pollutant Allowable Emissions information submitted.

(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: H004 - Acetophenone	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour te	tons/year 4. Synthetically Limited? Synthetically Limited?					
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year					
6.	Emission Factor:				7. E	Emissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Po	eriod: To:	
9.a.	. Projected Actual Emissions (if required):	9.b. Projected Monitoring Period:				Period:	
	tons/year	□ 5 y	'ears	5		$\Box$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H006 - Acrolein	2. Total Percent Efficiency of Control:									
3.	Potential Emissions: lb/hour to	ons/year	year 4. Synthetically Limited? □ Yes □ No								
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year										
6.	Emission Factor:				7. E	Emissions Method Code:					
	Reference:										
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 2	4-mo	onth P	eriod: To:					
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period:   □ 5 years   □ 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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H014 - Antimony Compounds	2. Total Percent Efficiency of Control:									
3.	Potential Emissions: lb/hour to	ons/year	4. Synthetically Limited? □ Yes □ No								
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/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	ng Perioc	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.

### (Optional for unregulated emissions units.)

#### 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 t	ons/year	4. Syr Lin	nthetically nited? Yes	y					
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year									
6.	Emission Factor: Reference:			7. Emi	issions Method Code:					
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	b. Baseline 24-month Period: From: To:							
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte	ed Monif rears	toring Pe	riod: 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.

# (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: H017 - Benzene (including benzene from gasoline)	2. Total Percent Efficiency of Control:								
3.	Potential Emissions: lb/hour t <sup>,</sup>	ons/year	4. Syr Lin	nthetically nited? Yes	n No					
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year									
6.	Emission Factor: Reference:			7. Emis	ssions Method Code:					
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-ma	onth Perio T	od: `o:					
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Monif rears	toring Per	iod: 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.

(Optional for unregulated emissions units.) 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 to	ons/year	/year 4. Synthetically Limited?								
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year										
6.	Emission Factor:				7.	Emissions 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. Projectø □ 5 y	ed M rears	Ionit	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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H021 - Beryllium Compounds	2. Total Percent Efficiency of Control:									
3.	Potential Emissions: lb/hour to	ons/year	4. Synthetically Limited? □ Yes □ No								
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year										
6.	Emission Factor:				7. En	nissions Method Code:					
	Reference:										
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Per	iod: To:					
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period:□5 years□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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H022 - Biphenyl	2. Total Percent Efficiency of Control:									
3.	Potential Emissions: lb/hour te	ons/year	4. Synthetically Limited? □ Yes □ No								
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/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. Projecta □ 5 y	ed N vears	Aonit 5	torir	ng Period	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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H023 - Bis(2-ethylhexyl)phthalate (DEHP)	2. Total Percent Efficiency of Control:								
3.	Potential Emissions: lb/hour t	ons/year	4. Synthetically Limited?							
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year									
6.	Emission Factor:				7. E	missions Method Code:				
	Reference:									
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Pe	eriod: To:				
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period:□5 years□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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H025 - Bromoform	2. Total Percent Efficiency of Control:									
3.	Potential Emissions: lb/hour to	ons/year	4.	ly 🗌 No							
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year										
6.	Emission Factor:				7. En	nissions Method Code:					
	Reference:										
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Per	iod: To:					
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period:□5 years□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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:							
	H027 - Cadmium Compounds								
3.	Potential Emissions: lb/hour te	ons/year 4. Synthetically Limited?							
5.	Range of Estimated Fugitive Emissions (as app	olicable):							
	to tons/year								
6.	Emission Factor:				7. Ei	missions Method Code:			
	Reference:								
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	1-mc	onth Pe	riod:			
	tons/year	From:				То:			
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed M	lonit	oring I	Period:			
	tons/year	🗆 5 y	ears			$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H032 - Carbon disulfide	2. Total Percent Efficiency of Control:									
3.	Potential Emissions: lb/hour tr	ons/year	ar Synthetically Limited? □ Yes □ No								
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/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. Projected Monitoring Period:□5 years□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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:							
	H040 - 2-Chloroacetophenone								
3.	Potential Emissions: lb/hour to	ons/year 4. Synthetically Limited?							
5.	Range of Estimated Fugitive Emissions (as app	olicable):							
	to tons/year								
6.	Emission Factor:				7. E	missions Method Code:			
	Reference:								
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	-mo	nth Pe	riod:			
	tons/year	From:				To:			
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed M	onit	oring I	Period:			
	tons/year	□ 5 y	ears			$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H041 - Chlorobenzene	2. Total P	erce	ent E	fficien	ncy of Control:
3.	Potential Emissions: lb/hour te	ons/year	4.	ally		
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year				
6.	Emission Factor:				7. E	Emissions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 2-	4-mo	onth Po	eriod: To:
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit S	toring	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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H043 - Chloroform	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour to	ons/year	4.	Syr Lin	🗆 No		
5.	Range of Estimated Fugitive Emissions (as app to t	licable): ons/year					
6.	Emission Factor:				7. E	Emission	s Method Code:
	Reference:						
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2	4-mo	onth Pe	eriod:	
	tons/year	From:				To:	
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	Aoni	toring	Period:	
	tons/year	🗆 5 y	ears	5		□ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H046 - Chromium Compounds	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: Ib/hour to	ons/year	4.	ly □ No			
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year					
6.	Emission Factor:				7. En	nissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	1e 24	4-mc	onth Per	iod: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed M rears	Ionit	coring P	eriod:	
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.

(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:						
	H047 - Cobalt Compounds							
3.	Potential Emissions: lb/hour to	ons/year	'ear 4. Synthetically Limited? □ Yes □ No					
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year						
6.	Emission Factor:				7. E	missions Method Code:		
	Reference:							
8.a	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	-mo	nth Pe	eriod:		
	tons/year	From:				To:		
9.a	. Projected Actual Emissions (if required):	9.b. Project	ed M	onit	oring	Period:		
	tons/year	🗆 5 y	ears			$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H053 - Cumene	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour to	ons/year	4.	ally □ No			
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year					
6.	Emission Factor:				7. E	Emissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24	-mo	onth Po	eriod: To:	
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed M	onit	oring	Period:	
	tons/year	🗆 5 y	ears			$\Box$ 10 years	
10.	Calculation of Emissions:						
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Comme	nt:				

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

(Optional for unregulated emissions units.) 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 te	ons/year	4. Synthetically Limited? □ Yes □ No				
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year					
6.	Emission Factor:				7.	Emissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir From:	ne 24	4-mc	onth I	Period:	
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed N	/Ionit	toring	g Period:	
	tons/year	□ _ 5 y	ears	5	-	$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H058 - Dibenzofurans	2. Total Percent Efficiency of Control:									
3.	Potential Emissions: lb/hour tr	ons/year	4.	4. Synthetically Limited? □ Yes □ No							
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year										
6.	Emission Factor:				7.	Emissi	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. Projected Monitoring Period:□5 years□10 years					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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H076 - Dimethyl sulfate	2. Total Percent Efficiency of Control:									
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lin	thetical nited? Yes	ly □ No					
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year										
6.	Emission Factor:		_		7. En	nissions Method Code:					
	Reference:										
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Per	iod: To:					
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period:□5 years□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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H079 - 2,4-Dinitrotoluene	2. Total Percent Efficiency of Control:								
3.	Potential Emissions: lb/hour tr	ons/year	4.	🗆 No						
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/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. Projected Monitoring Period:□5 years□10 years					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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H085 - Ethyl benzene	2. Total Percent Efficiency of Control:									
3.	Potential Emissions: lb/hour t <sup>,</sup>	ons/year	4. Synthetically Limited? □ Yes □ No								
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/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	ed N vears	Monit 5	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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H087 - Ethyl chloride (Chloroethane)	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour te	ons/year	year 4. Synthetically Limited? □ Yes □ No						
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year							
6.	Emission Factor:				7. E	missions Method Code:			
	Reference:								
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Pe	eriod: To:			
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period:□5 years□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.

(Optional for unregulated emissions units.)

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	year 4. Synthetically Limited? □ Yes □ No								
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year										
6.	Emission Factor:			7. Er	nissions Method Code:						
	Reference:										
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-m	nonth Per	riod: To:						
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed Mon	itoring P	eriod:						
	tons/year	□ 5 y	ears		$\square$ 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.

# (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: H089 - Ethylene dichloride (1,2- Dichloroethane)	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. Emis	sions Method Code:		
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-mo	onth Period To	d: o:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Moni <sup>*</sup> ears	toring Peri	iod: 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H095 - Formaldehyde	2. Total Percent Efficiency of Control:									
3.	Potential Emissions: lb/hour to	ons/year	4. S L	cally							
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year										
6.	Emission Factor:			7.	Emissions Method Code:						
	Reference:										
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-r	nonth H	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.	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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H104 - Hexane	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour te	ons/year	4. Synthetically Limited? □ Yes □ No						
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year							
6.	Emission Factor:				7. I	Emissions Method Code:			
	Reference:								
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 24	4-mo	onth P	eriod:			
	tons/year	From:				To:			
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed N	Ionit	oring	Period:			
	tons/year	🗆 5 у	'ears			$\Box$ 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.

# (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: H106 - Hydrogen chloride (Hydrochloric acid)	2. Total P	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour t	ons/year	4. Syr Lin	nthetically nited? Yes	🗆 No				
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year								
6.	Emission Factor: Reference:			7. Emis	sions Method Code:				
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-mo	onth Period To	d: o:				
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto □ 5 y	ed Monir rears	toring Peri	lod: 10 years				
10.	Calculation of Emissions:								
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Comme	nt:						

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:							
	H107 - Hydrogen fluoride (Hydrofluoric acid)								
3.	Potential Emissions: lb/hour to	ons/year	4. Synthetically Limited? □ Yes □ No						
5.	Range of Estimated Fugitive Emissions (as app	licable):							
to tons/year									
6.	Emission Factor:				7. E	missions Method Code:			
	Reference:								
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 24	4-mc	onth Pe	eriod:			
	tons/year	From:				To:			
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed N	Ionit	oring	Period:			
	tons/year	□ 5 y	ears			$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H109 - Isophorone	2. Total Percent Efficiency of Control:									
3.	Potential Emissions: lb/hour te	ons/year	ear 4. Synthetically Limited? □ Yes □ No								
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year										
6.	Emission Factor:				7. E	Emissions Method Code:					
	Reference:										
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth Pe	eriod: To:					
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: □ 5 years □ 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.

(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:				
	H113 - Manganese Compounds					
3.	Potential Emissions: lb/hour te	ons/year	4. Syn Lir	nthetica nited? Yes	ally □ No	
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year				
6.	Emission Factor:			7. E	Emissions Method Code:	
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24-m	onth Pe	eriod:	
	tons/year	From:			To:	
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed Moni	itoring	Period:	
	tons/year	🗆 5 y	ears		$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H114 - Mercury Compounds	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour to	tons/year Synthetically Limited?				cally		
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year							
6.	Emission Factor:				7.	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	1e 24	4-mc	onth F	Period: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N rears	Aonit	toring	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.

## (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:					
	H117 - Methyl bromide (Bromomethane)						
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lim	ithetical nited? Yes	lly □ No	
5.	Range of Estimated Fugitive Emissions (as app	olicable):					
	to to	ons/year					
6.	Emission Factor:				7. En	nissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	1-mo	onth Per	riod:	
	tons/year	From:				To:	
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed M	Ionit	oring P	eriod:	
	tons/year	□ 5 y	ears			□ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:						
	H118 - Methyl chloride (Chloromethane)							
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lin	ithetica nited? Yes	ally □ No		
5.	Range of Estimated Fugitive Emissions (as app	licable):						
	to to	ons/year						
6.	Emission Factor:				7. E	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mc	onth Pe	eriod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed M	Ionit	toring	Period:		
	tons/year	□ 5 y	ears			$\square$ 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.

#### (Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H119 - Methyl chloroform (1,1,1- Trichloroethane)	2. Total Percent Efficiency of Control:				
3.	Potential Emissions: lb/hour t	ons/year	4. Syr Lin	nthetically nited? Yes	/	
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year				
6.	Emission Factor: Reference:			7. Emi	ssions Method Code:	
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-mo	onth Peric T	od: `o:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Moni <sup>r</sup> ears	toring Per	riod: 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.

## (Optional for unregulated emissions units.)

# Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H120 - Methyl ethyl ketone (2-Butanone)	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour to	ons/year 4. Synthetically Limited?			ically l? □ No			
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year							
6.	Emission Factor:			7.	Emissions Metho	od Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 24-m	onth	Period:			
	tons/year	From:			To:			
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed Mon	itorir	ng Period:			
	tons/year	🗆 5 y	rears		$\Box$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H121 - Methyl hydrazine	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lin	ithetica nited? Yes	ally □ No			
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year							
6.	Emission Factor:				7. E	Emissions Method Code:			
	Reference:								
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	1e 24	4-mc	onth Pe	eriod: To:			
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period:□5 years□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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H125 - Methyl methacrylate	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour to	ons/year	4.	Syr Lin	ally □ No				
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year							
6.	Emission Factor:				7. E	missions Method Code:			
	Reference:								
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth Pe	eriod: To:			
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring 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.

(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:							
	H126 - Methyl tert butyl ether								
3.	Potential Emissions: lb/hour to	ons/year	ear 4. Synthetically Limited? □ Yes □ No						
5.	5. Range of Estimated Fugitive Emissions (as applicable):								
	to tons/year								
6.	Emission Factor:			7.	Emissions Method Code:				
	Reference:								
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24-mo	onth	Period:				
	tons/year	From:			To:				
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed Moni	torir	ng Period:				
	tons/year	🗆 5 y	ears		$\square$ 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.

# (Optional for unregulated emissions units.)

#### Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H128 - Methylene chloride (Dichloromethane)	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour t <sup>,</sup>	ons/year	4. Syr Lin	nthetically nited? Yes	y				
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year									
6.	Emission Factor: Reference:			7. Em	issions Method Code:				
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-mo	onth Perio	od: Го:				
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Monir rears	toring Pe	riod: 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H132 - Naphthalene	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour tr	ons/year	4.	Syn Lin	🗆 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. Projected Monitoring Period:□5 years□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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H133 - Nickel Compounds	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lin	nthetica nited? Yes	ally □ No			
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year							
6.	Emission Factor:				7. E	Emissions Method Code:			
	Reference:								
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Pe	eriod: To:			
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit 3	toring	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H144 - Phenol	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour te	ons/year	4.	Syr Lin	nthetic nited? Yes	ally		
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year						
6.	Emission Factor:				7. I	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth P	eriod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit S	toring	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H148 - Phosphorus	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour tr	ons/year	4.	Syn Lin	nthetical nited? Yes	ly			
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year							
6.	Emission Factor:				7. En	nissions Method Code:			
	Reference:								
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	1e 24	4-mc	onth Per	iod: To:			
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period:   □ 5 years   □ 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.

(Optional for unregulated emissions units.) 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	ally □ No				
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year							
6.	Emission Factor:				7. E	missions Method Code:			
	Reference:								
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Pe	eriod: To:			
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit	toring	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.

(Optional for unregulated emissions units.) 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.	Syn Lim	🗆 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. Projected Monitoring Period:□5 years□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.

(Optional for unregulated emissions units.) 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	ons/year	4.	Syr Lin	ally □ No						
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year										
6.	Emission Factor:				7. E	Emissions Method Code:					
	Reference:										
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2	4-mo	onth Pe	eriod:					
	tons/year	From:				To:					
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	Aoni	toring	Period:					
	tons/year	□ 5 y	ears	5		$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H163 - Styrene	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour tr	ons/year	4.	Syr Lin	nthetic nited? Yes	🗆 No			
5.	Range of Estimated Fugitive Emissions (as app to t	licable): ons/year							
6.	Emission Factor:				7. E	Emissio	ons Method Code:		
	Reference:								
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2	4-mo	onth P	eriod:			
	tons/year	From:				To:			
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	Aoni	toring	Period	:		
	tons/year	🗆 5 y	ears	5		□ 1	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.

(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:					
	H165 - 2,3,7,8-Tetrachlorodibenzo-p-dioxin						
3.	Potential Emissions: lb/hour to	ons/year	s/year 4. Synthetically □ Yes □ No				
5.	Range of Estimated Fugitive Emissions (as app	olicable):					
	to to	ons/year					
6.	Emission Factor:				7. Ei	missions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2	4-mc	onth Pe	riod:	
	tons/year	From:				То:	
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed N	Aonit	toring I	Period:	
	tons/year	🗆 5 у	ears	5		$\square$ 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.

# (Optional for unregulated emissions units.)

#### Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H167 - Tetrachloroethylene (Perchloroethylene)	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour t	ons/year	4. Syn Lin	nthetic nited? Yes	ally		
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year					
6.	Emission Factor: Reference:			7. E	Emissions Method Code:		
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	1e 24-m	onth Pe	eriod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte	ed Moni 'ears	itoring	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H169 - Toluene	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. E	Emissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth P	eriod: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N rears	Aonit S	toring	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H182 - Vinyl acetate	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. E	missions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Pe	eriod: To:	
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed N	Aoni	toring	Period:	
	tons/year	□ 5 y	ears	5		$\Box$ 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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour to	A. Synthetically Limited?					
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year					
6.	Emission Factor:				7. E	missions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth Pe	eriod: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit S	toring	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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H187 - o-Xylenes	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. E	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2	4-m	onth Pe	eriod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed N	Ioni	toring	Period:		
	tons/year	□ 5 y	ears	5		$\square$ 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.

No Pollutant Allowable Emissions information submitted.

(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: NH3 - Ammonia	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour te	ons/year	lly					
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 Pe	riod: To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	1onit	toring F	Period:		
	tons/year	□ 5 y	ears	5		$\square$ 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.

Allo	wable Emissions 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.	Allowable Emissions and Units: 10 TEST REQUIRED (NO ALLOWABLE EMISSION)	4.	Equivalent Allowable Emissions: lb/hour tons/year
5.	Method of Compliance: Annual Stack Test		
6.	Allowable Emissions Comment (Description o Basis: Applicant Request. Corrective measure See 0570039-22-AC and 0570039-024-AC	f Op must	erating Method): t be taken if measured value exceed 5 ppmv.

(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: NOX - Nitrogen Oxides	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: 2881 lb/hour 12619 to	ons/year	<ul> <li>4. Synthetically Limited?</li> <li>□ Yes □ No</li> </ul>						
5.	Range of Estimated Fugitive Emissions (as app to t	ve Emissions (as applicable): to tons/year							
6.	Emission Factor: Reference:				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:	Period: To:						
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monite				ng Period:			
10.	Calculation of Emissions:								
11.	<ul><li>11. Pollutant Potential, Fugitive, and Actual Emissions Comment:</li><li>600(5)</li></ul>								

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

Allowable Emissions 1 of 3

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: 2881 lb/hour 12619 tons/year
5.	Method of Compliance: Arithmetic mean - 30 days rolling average.		
6.	Allowable Emissions Comment (Description o nox compliance by cem and 30 day rolling ave	f Op rage	perating Method):

#### Allowable Emissions Allowable Emissions 2 of 3

1.	Basis for Allowable Emissions Code: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	Future Effective Date of All Emissions:	owable		
3.	Allowable Emissions and Units: .53 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 2181 lb/hour 9553 tons/			
5.	Method of Compliance: Acid Rain Compliance	-				
6.	Allowable Emissions Comment (Description o NOx emission average plan	f Op	erating Method):			

#### Allowable Emissions 3 of 3

1.	Basis for Allowable Emissions Code: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	Future Effective Date of Allowable Emissions: 2008-05-31				
3.	Allowable Emissions and Units: .12 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 494 lb/hour 2163.7 tons/year				
5.	Method of Compliance: Heat Input Weighted - 30-day rolling average.						
6.	Allowable Emissions Comment (Description of Operating Method): Solid fuel. Basis for Allowable: Consent Decree & Permit No. 0570039-060-AC.						

# (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: PB - Lead - Total (elemental lead and lead compounds)	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 applicable): to tons/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-ma	onth Period To	l: ):		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period:      □    5 years      □    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.

(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: PM - Particulate Matter - Total	<ol> <li>Total Percent Efficiency of Control: 99.8</li> </ol>						
3.	Potential Emissions: 123.5 lb/hour 541 to	ons/year	tically 1? 5					
5.	Range of Estimated Fugitive Emissions (as app to te	Emissions (as applicable): to tons/year						
6.	Emission Factor: Reference:				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	Period: To:				
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Project □ 5 y	ed N vears	/loni	itoring Period:			
10.	Calculation of Emissions:							
11.	<ul><li>11. Pollutant Potential, Fugitive, and Actual Emissions Comment:</li><li>600(5)</li></ul>							

# 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 3		
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: .03 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 123.5 lb/hour 541 tons/year
5.	Method of Compliance:		
6.	Allowable Emissions Comment (Description o Permit No. 0570039-060-ac	f Op	erating Method):

#### Allowable Emissions 2 of 3

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allor Emissions:	wable	2	
3.	Allowable Emissions and Units: .1 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 123.5 lb/hour 541 tons/			
5.	Method of Compliance:					
6.	. Allowable Emissions Comment (Description of Operating Method): Consent Final Judgment and/or the Consent Decree as amended					

#### Allowable Emissions Allowable Emissions 3 of 3

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: .03 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 123.5 lb/hour 541 tons/y				
5.	Method of Compliance:						
6.	Allowable Emissions Comment (Description o All fuels. Basis for Allowable: Consent Decree	f Op e & I	erating Method): Permit No. 0570039-060-AC.				

(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:	2. Total Percent Efficiency of Control:					
	PM10 - Particulate Matter - PM10						
3.	Potential Emissions: lb/hour te	ons/year	ally □ No				
5.	Range of Estimated Fugitive Emissions (as app	licable):					
	to to	ons/year					
6.	Emission Factor:				7. E	Emissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	l-mo	onth Pe	eriod:	
	tons/year	From:				To:	
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed M	lonit	oring	Period:	
	tons/year	□ 5 y	rears			$\square$ 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.

(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: SO2 - Sulfur Dioxide	2. Total P	Perce	ent Et	fficie	ency of Control:
3.	Potential Emissions: 26747.5 lb/hour 117154 t	ons/year	4.	Syn Lim	thet ited Yes	ically ? I No
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year				
6.	Emission Factor: 6.5 LB/MMBTU Reference: Permit Limit				7.	Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST- CASE ALLOWABLE EMISSION.
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):	9.b. Project	ed N	/Ionit	orin	g Period:
	tons/year	□ 5 y	ears	5		$\Box$ 10 years
10.	Calculation of Emissions: Factor times 4115 mmBtu/hr heat input					
11.	<ol> <li>Pollutant Potential, Fugitive, and Actual Emissions Comment: Potential emission is based on Unit No.3 operating unscrubbed at full production for 8,760 hrs/yr.</li> </ol>					

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

Allowable Emissions 1 of 8

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: 6.5 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 26747.5 lb/hour 117154 tons/year
5.	Method of Compliance: Continuous emission monitoring		
6.	Allowable Emissions Comment (Description o Hourly rate is a two-hour average.	f Op	erating Method):

#### Allowable Emissions Allowable Emissions 2 of 8

1.	Basis for Allowable Emissions Code: (AMBIENT) reduce impact on ambient concentrations (Explain in comment field)	2.	Future Effective Date of Allowable Emissions:	2		
3.	Allowable Emissions and Units: 9876 POUNDS/HOUR	4.	Equivalent Allowable Emissions: 9876 lb/hour	tons/year		
5.	Method of Compliance: Continuous emission monitoring					
6.	Allowable Emissions Comment (Description of Operating Method).					

Hourly rate applicable when Unit 3 is not scrubbed and either Unit 1 is scrubbed with Unit 2 not scrubbed, or Unit 2 is scrubbed with Unit 1 not scrubbed. (Operating scenarios 2 and 6.)

#### Allowable Emissions Allowable Emissions 3 of 8

1.	Basis for Allowable Emissions Code: (AMBIENT) reduce impact on ambient concentrations (Explain in comment field)	2.	Future Effective Date of Allowable Emissions:	2
3.	Allowable Emissions and Units: 14814 POUNDS/HOUR	4.	Equivalent Allowable Emissions: 14814 lb/hour	tons/year
5.	Method of Compliance: Continuous emission monitoring			
6.	Allowable Emissions Comment (Description of Operating Method): Hourly rate applicable when Unit 3 is not scrubbed and Units 1 and 2 are scrubbed. (Operating scenario 1.)			

#### Allowable Emissions Allowable Emissions 4 of 8

1.	Basis for Allowable Emissions Code: (AMBIENT) reduce impact on ambient concentrations (Explain in comment field)	2.	Future Effective Date of Allowable Emissions:			
3.	Allowable Emissions and Units: 3374 POUNDS/HOUR	4.	Equivalent Allowable Emissions: 3374 lb/hour tor	ns/year		
5.	Method of Compliance: Continuous emission monitoring					
6.	<ul> <li>Allowable Emissions Comment (Description of Operating Method):</li> <li>Hourly rate applicable when Unit 3 exhaust stream is treated in the FGD system. (Operating scenarios 3, 4 and 5.)</li> </ul>					
Allo	Allowable Emissions 5 of 8					
1	Basis for Allowable Emissions Code	2	Future Effective Date of Allowable			

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Emissions:	e		
3.	Allowable Emissions and Units:	4.	Equivalent Allowable Emissions:			
	25 TONS/HOUR		50000 lb/hour	tons/year		
5.	Method of Compliance:					
	Continuous emission monitoring					
6.	Allowable Emissions Comment (Description of Operating Method):					
	Hourly rate represents total emissins from units	s 1,2	and 3 fro a 24 hour average period.			

# <u>Allowable Emissions</u> Allowable Emissions 6 of 8

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:	2		
3.	Allowable Emissions and Units: 31.5 TONS/HOUR	4.	Equivalent Allowable Emissions: 63000 lb/hour	tons/year		
5.	. Method of Compliance: Continuous emission monitoring					
6.	Allowable Emissions Comment (Description of Operating Method): Hourly rate represents total emissions from units 1.2 and 3 for a three hour average period					

#### <u>Allowable Emissions</u> Allowable Emissions 7 of 8

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Al Emissions:	llowable
3.	Allowable Emissions and Units: .82 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emi 3374.3 lb/hour	ssions: 14779 tons/year
5.	Method of Compliance: Continuous emission monitor			
6.	Allowable Emissions Comment (Description o Hourly rate is 2-hour average	f Op	erating Method):	

## <u>Allowable Emissions</u> Allowable Emissions 8 of 8

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: .25 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 1028.8 lb/hour 4506 tons/year	
5.	Method of Compliance: Heat Input Weighted - 30-day rolling avg.			
6.	Allowable Emissions Comment (Description of Operating Method): Solid fuel. Basis for Allowable: Consent Decree & Permit No. 0570039-060-AC.			

(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:	2. Total P	erce	ent E	ffici	ency of Control:
	VOC - Volatile Organic Compounds					
3.	Potential Emissions: 13 lb/hour 58 te	ons/year	4.	Syr Lin	nthet nitec Yes	tically d? s
5.	Range of Estimated Fugitive Emissions (as app	olicable):				
		ons/year				
6.	Emission Factor: Reference:				7.	Emissions Method Code: (3B) CALCULATED USING EMISSION FACTOR FROM AP- 42/FIRE SYSTEM OR OTHER PUBLISHED EMISSIONS CALCULATION SOURCE.
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mo	onth	Period:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed N	Ioni	torir	ng Period:
	tons/year	□ 5 y	ears	5		$\Box$ 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.

## 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 1				
1.	Visible Emissions Subtype: VE20 - VISIBLE EMISSIONS - 20% NORMAL OPACITY	<ol> <li>Basis for Allowa</li> <li>✓ Rule</li> </ol>	able Opacity:		
3.	3. Allowable Opacity:         Normal Conditions: 20%       Exceptional Conditions: 27%         Maximum Period of Excess Opacity Allowed:       6 min/hour				
4.	Method of Compliance: EPA ALTERNATE METHOD 1, EPA METHOD 9				
5.	Visible Emissions Comment:				

### H. CONTINUOUS MONITOR INFORMATION

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

Continuous Monitoring System: Continuous Monitor 1 of 9

1.	Parameter Code: O2 - Oxygen	2. Pollutant(s):
3.	CMS Requirement:	□ Rule □ Other
4.	Monitor Information Manufacturer: 88888888888888888888888888888888888	Serial Number: 888888888888888888888888888888888888
5.	Installation Date:	6. Performance Specification Test Date:
7.	Continuous Monitor Comment:	
	Status: Active	

#### **Continuous Monitoring System:** Continuous Monitor 2 of 9

1.	Parameter Code: VE - Visible emissions (opacity)	2. Pollutant(s):
3.	CMS Requirement:	$\Box$ Rule $\Box$ Other
4.	Monitor Information Manufacturer: THERMO ELECTRON Model 400 Number:	Serial 3294 Number:
5.	Installation Date: 01-JUN-83	<ol> <li>Performance Specification Test Date: 01-AUG-83</li> </ol>
7.	Continuous Monitor Comment:	
	Status: Active	

Continuous	Monitoring	System:	Continuous	Monitor 3 of 9
continuous	1.10micor mg	S y seeme	Commacas	1110111101 5 01 5

1.	Parameter Code: VE - Visible emissions (opacity)	2.	Pollutant(s):	
3.	CMS Requirement:		Rule	□ Other
4.	Monitor Information Manufacturer: THERMO ENVIRONMENTA Model Number: 43B	L	Se Numb	erial ber: 43H-47563-279
5.	Installation Date:	6.	Performance Sp	pecification Test Date:
7.	Continuous Monitor Comment: SO2 INLET			
	Status: Active			

#### Continuous Monitoring System: Continuous Monitor 4 of 9

1.	Parameter Code: EM - EMISSION	2. Pollutant(s): NOX
3.	CMS Requirement:	□ Rule □ Other
4.	Monitor Information Manufacturer: THERMO ENVIRONMENTA Model Number: 42D	L Serial 42D-48329-280 Number:
5.	Installation Date:	6. Performance Specification Test Date:
7.	Continuous Monitor Comment: NOX INLET TO FGD	
	Status: Active	

Continuous	Monitoring	System:	Continuous	Monitor 5	of 9
Commuous	monitoring	System.	Commuous	monitor 5	01 )

1.	Parameter Code: CO2 - Carbon dioxide	2. Pollutant(s):	
3.	CMS Requirement:	🗆 Rule	Other
4.	Monitor Information Manufacturer: FUJI Model Number: <sup>3300</sup>	Serial Number:	3P10813-T
5.	Installation Date:	6. Performance Specifica	ation Test Date:
7.	Continuous Monitor Comment: CO2 INLET		
	Status: Active		

#### <u>Continuous Monitoring System:</u> Continuous Monitor 6 of 9

1.	Parameter Code: CO2 - Carbon dioxide	2. Pollutant(s):
3.	CMS Requirement:	□ Rule □ Other
4.	Monitor Information Manufacturer: SIEMENS Model Number: 5-E	Serial Number: EN-027
5.	Installation Date:	6. Performance Specification Test Date:
7.	Continuous Monitor Comment: CO2 OUTLET	
	Status: Active	

|--|

1.	Parameter Code: EM - EMISSION	2. Pollutant(s): NOX
3.	CMS Requirement:	□ Rule □ Other
4.	Monitor Information Manufacturer: THERMO ENVIRONMENTA Model Number: 42C	L Serial Number: 42C-78153-388
5.	Installation Date: 01-JUL-03	6. Performance Specification Test Date:
7.	Continuous Monitor Comment: NOx inlet to FGD	
	Status: Active	

#### Continuous Monitoring System: Continuous Monitor 8 of 9

1.	Parameter Code: CO2 - Carbon dioxide	2. Pollutant(s):
3.	CMS Requirement:	□ Rule □ Other
4.	Monitor Information Manufacturer: SIEMENS Model Number:	Serial Number: ND-N1-R5-0789
5.	Installation Date: 01-JUL-03	6. Performance Specification Test Date:
7.	Continuous Monitor Comment:	
	Status: Active	

Continuous	Monitoring	System:	Continuous	Monitor 9	of 9
Commuous	monitoring	System.	Commuous	Mionitor )	<b>0</b>

1.	Parameter Code: FLOW - Volumetric flow rate	2. Pollutant(s):
3.	CMS Requirement:	□ Rule □ Other
4.	Monitor Information Manufacturer: MONITOR LABS Model 150 Number:	Serial Number: 1500094
5.	Installation Date: 01-JUL-03	6. Performance Specification Test Date:
7.	Continuous Monitor Comment:	
	Status: Active	

Ada	I. EMISSIONS UNIT ADDITIONAL INFORM litional Requirements for All Applications Except as Otherwise Sta	MATION
1.	Process Flow Diagram (Required for all permit applications, except Ti revision applications if this information was submitted to the departme years and would not be altered as a result of the revision being sought)	tle V air operation permit ent within the previous five
	□ Applicable □ Previously Submitted, Date:	□ Attachment
2.	Fuel Analysis or Specification (Required for all permit applications, expermit revision applications if this information was submitted to the deprevious five years and would not be altered as a result of the revision Applicable Previously Submitted. Date:	ccept Title V air operation epartment within the being sought)
3.	Detailed Description of Control Equipment (Required for all permit ap air operation permit revision applications if this information was subm within the previous five years and would not be altered as a result of th Applicable	pplications, except Title V itted to the department ne revision being sought) Attachment
4.	Procedures for Startup and Shutdown (Required for all operation perm V air operation permit revision applications if this information was sub within the previous five years and would not be altered as a result of th Applicable Previously Submitted, Date:	it applications, except Title omitted to the department ne revision being sought)
5.	Operation and Maintenance Plan (Required for all permit applications, permit revision applications if this information was submitted to the de previous five years and would not be altered as a result of the revision	except Title V air operation epartment within the being sought)
6.	Compliance Demonstration Reports/Records <ul> <li>Applicable</li> <li>Previously Submitted, Date:</li> <li>To Be Submitted, Date (if known):</li> </ul> Previously Submitted Test Date(s)/Pollutants Tested: To be Submitted Test Date(s)/Pollutants Tested: Note: For FESOP applications, all required compliance demonstration submitted at the time of application. For Title V air operation permit at the time of application.	☐ Attachment records/reports must be
	compliance demonstration reports/records must be submitted at the time compliance plan must be submitted at the time of application.	pplications, all required ne of application, or a
7.	Other Information Required by Rule or Statute Applicable	□ 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)	
	Alternative wodes of Operation (Emissions Trading)	

#### Additional Requirements for Air Construction Permit Applications

	<u> </u>	
1.	Control Technology Review and Analysis (Rules 62-212.400(10) a CFR 63.43(d) and (e))	nd 62-212.500(7), F.A.C.; 40
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.40 212.500(4)(f), F.A.C.)	0(4)(d), F.A.C., and Rule 62-
3.	Description of Stack Sampling Facilities (Required for proposed ne only)	w stack sampling facilities
Oth	ner Information Regarding this Emissions Unit	
1.	Other Emissions Unit Information	□ Attachment

Applicable 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 tion Parmit Emissions Unit Classification

## **<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.
  - $\square$  The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

## **Emissions Unit Description and Status**

1.	Type of Emissions Unit Addressed in this Section: (Check one)								
	This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).								
	This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.								
	☐ This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.								
2.	Description of Emiss Fossil Fuel Fired Ste	sions Unit Addressed in th am Generator Unit No. 4	is Section:						
3.	Emissions Unit Ident	tification Number: 4							
4.	Emissions Unit Status Code: A 5. Commence Construction Date: 6. Initial Startup Date: 7. Emissions Unit Major Group SIC Code: 49								
8.	<ul> <li>Federal Program Applicability: (Check all that apply)</li> <li>✓ Acid Rain Unit</li> <li>✓ CAIR Unit</li> </ul>								
9.	Package Unit Model Number: Manufacturer:								
10.	Generator Nameplate	e Rating: 486 MW							
11.	Emissions Unit Com B1=TONS/HR OF C	ment: COAL BURN PSD							

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

Code	Equipment	Description
10	ELECTROSTATIC PRECIPITATOR HIGH EFFICIENCY (95.0-99.9%)	Electrostatic precipitator with flue gas conditioning system. The flue gas conditioning system and the FGD system are not operated simultaneously.
1	WET SCRUBBER HIGH EFFICIENCY (95.0-99.9%)	
205	LOW NOX BURNERS	Low NOx Burner
204	OVERFIRE AIR	Separated Overfire Air
139	SCR (SELECTIVE CATALYTIC REDUCTION)	Selective Catalytic Reduction
42	WET LIMESTONE INJECTION	Flue gas desulfurization (FGD) system, wet limestone scrubber.

# **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: 4330 million Bt	u/hr	
4.	Maximum Incineration Rate:	pounds/hr tons/day	
5.	Requested Maximum Operating Schedule:		
		hours/day	days/week
		weeks/year	8760 hours/year
6.	Operating Capacity/Schedule Comment:		
	Design Max. heat input 4330 mmBTU/hr m MMBtu/yr co-firing coal and NG; Units 1-4 load (0570039-065-AC)	onthly basis; Max Perm combined- 1,514,460	uitted heat input 5,534,935 MMBtu/yr firing NG @ low

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

<u>Emi</u>	Umission Point Description and Type						
1.	Identification of Point on Plot Plan or Flow Diagram:			<ol> <li>Emission Point Type Code:</li> <li>1 - A single emission point serving a single emissions unit</li> </ol>			
3.	Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:						
4.	ID Numbers or Descriptions of Emission Units with this Emission Point in Common:						
5.	Discharge Type Code:	6. Stack Height: 490 feet			<ul><li>7. Exit Diameter:</li><li>24 feet</li></ul>		
8.	Exit Temperature: 127° F	9. Actual Volu Rate: 1614250 acf	umetric Flow		10. Water Vapor: 13.7 %		
11.	<ol> <li>Maximum Dry Standard Flow Rate: dscfm</li> </ol>			12. Nonstack Emission Point Height: feet			
13.	3. Emission Point UTM Coordinates Zone: 17 East (km): 361.82 North (km): 3075.04			14. Emission Point Latitude/Longitude Latitude: 27° 47' 39" N Longitude: 82° 25' 0" W			
15.	Emission Point Comment:						

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

Seg	ment Description and Rate:	Segment 1 of 6	,				
1.	Segment Description (Proces	s/Fuel Type):					
2.	Source Classification Code (S 10100212	SCC):	3. SCC Units: Tons Bitumi	inou	s Coal Burned		
4.	Maximum Hourly Rate: 197	5. Maximum A 1724127	Annual Rate:	6.	Estimated Annual Activity Factor:		
7.	Maximum % Sulfur: 5.4	8. Maximum % 13.3	% Ash:	9.	Million Btu per SCC Unit: 22		
10.	<ul> <li>10. Segment Comment:</li> <li>Btu per SCC unit value based on a nominal coal heat content of 11,000 Btu/lb.</li> </ul>						
	Is this a valid segment? Yes						

#### Segment Description and Rate: Segment 2 of 6

1.	Segment Description (Process/Fuel Type):					
2.	Source Classification Code (S 10100501	SCC):	<ol> <li>SCC Units: 1000 Gallons Distillate Oil (No. 1 &amp; 2) Burned</li> </ol>			
4.	Maximum Hourly Rate:	5. Maximum Annual Rate:			Estimated Annual Activity Factor:	
7.	Maximum % Sulfur: .5	8. Maximum % Ash: .1			Million Btu per SCC Unit: 139	
10.	). Segment Comment: No.2 oil used for ignition during startup.					
	Is this a valid segment? Yes					

### Segment Description and Rate: Segment 3 of 6

1.	Segment Description (Process/Fuel Type): Natural gas fired during startup/shutdown/supplemental fuel.					
2.	. Source Classification Code (SCC):       3. SCC Units:         10100601       Million Cubic Feet Natural Gas Burned					
4.	Maximum Hourly Rate:	Iaximum Hourly Rate:5. Maximum Annual Rate:6. Estimated Annual Activity Factor:				
7.	Maximum % Sulfur:	8. Maximum % Ash: 9. Million Btu per SCC Unit:				
10.	D. Segment Comment: Max permitted heat input of 5,534,935 MMBtu/yr when co-firing coal & NG; 1,514,460 MMBtu MMBtu/year Units 1-4 combined when firing NG during low load operation (Project No. 0570039-065-AC					
	Is this a valid segment? Yes					

### **<u>Segment Description and Rate:</u>** Segment 4 of 6

1.	Segment Description (Process/Fuel Type):					
2.	<ul> <li>Source Classification Code (SCC):</li> <li>10100801</li> <li>3. SCC Units: Tons Coke Burned</li> </ul>					
4.	Maximum Hourly Rate: 39.4	5. Maximum A 344825	Annual Rate:	6. Estimated Annual Activity Factor:		
7.	Maximum % Sulfur: 7	8. Maximum %	% Ash:	9. Million Btu per SCC Unit: 28		
10.	<ul> <li>Segment Comment: Coal/petroleum coke blends will be burned only with the FGD system operating. Up to 20% petcoke/80% coal allowed.</li> </ul>					
	Is this a valid segment? Yes					

### Segment Description and Rate: Segment 5 of 6

1.	Segment Description (Process/Fuel Type): Raw Coal Residual from Polk Power Station						
2.	<ul> <li>Source Classification Code (SCC):</li> <li>10101201</li> <li>3. SCC Units: Tons Solid Waste Burned</li> </ul>						
4.	Maximum Hourly Rate:	5. Maximum Annual Rate: 730006. Estimated Annual Activity Factor:					
7.	Maximum % Sulfur: 1.43	8.	8. Maximum % Ash: 9. 57.7			9.	Million Btu per SCC Unit: 6
10.	<ol> <li>Segment Comment: Raw coal residual. Facility-wide limit: 200 tpd; equivalent to 73000 tpy.</li> </ol>						
	Is this a valid segment? Yes						

#### Segment Description and Rate: Segment 6 of 6

1.	Segment Description (Process/Fuel Type): Refined/Beneficiated Coal Residual from Polk Power Station							
2.	Source Classification Code (SCC): 10101202		<ol> <li>SCC Units: Tons Refuse Derived Fuel Burned</li> </ol>					
4.	Maximum Hourly Rate:	<ol> <li>Maximum Annual Rate: 182500</li> </ol>		6. Estimated Annual Activity Factor:				
7.	Maximum % Sulfur: 1.5	8. Maximum % Ash: 35.4		9. Million Btu per SCC Unit: 18				
10.	Segment Comment: Beneficiated coal residual. Facility-wide limt: 500 tpd; equivalent to 182500 tpy.							
	Is this a valid segment? Yes							

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
СО				Yes
H001				Yes
H004				Yes
H006				Yes
H014				Yes
H015				Yes
H017				Yes
H020				Yes
H021				Yes
H022				Yes
H023				Yes
H025				Yes
H027				Yes
H032				Yes
H040				Yes
H041				Yes
H043				Yes
H046				Yes
H047				Yes
H053				Yes
H054				Yes
H058				Yes
H076				Yes
H079				Yes
H085				Yes
H087				Yes
H088				Yes
H089				Yes
H095				Yes
H104				Yes
H106				Yes
H107				Yes
H109				Yes
H113				Yes
H114				Yes
H117				Yes
H118				Yes

H119				Yes
H120				Yes
H121				Yes
H125				Yes
H126				Yes
H128				Yes
H132				Yes
H133				Yes
H144				Yes
H148				Yes
H151				Yes
H154				Yes
H162				Yes
H163				Yes
H165				Yes
H167				Yes
H169				Yes
H182				Yes
H186				Yes
H187				Yes
NH3				Yes
NOX	LOW NOX BURNERS	SCR (SELECTIVE CATALYTIC REDUCTION)		Yes
PB				Yes
РМ	ELECTROSTATIC PRECIPITATOR HIGH EFFICIENCY (95.0- 99.9%)	WET LIMESTONE INJECTION		Yes
PM10				Yes
SO2	WET LIMESTONE INJECTION			Yes
VOC				Yes
(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: CO - Carbon Monoxide	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: 126 lb/hour 552 to	ons/year	4.	Syr Lin	nthet niteo Yes	tically 1? 5	
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year					
6.	Emission Factor: Reference:				7.	Emissions Method Code: (3B) CALCULATED USING EMISSION FACTOR FROM AP- 42/FIRE SYSTEM OR OTHER PUBLISHED EMISSIONS CALCULATION SOURCE.	
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	ed N /ears	Ioni	torir	ng 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 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: 2008-03-31							
3.	Allowable Emissions and Units: .2 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 866 lb/hour 3793.1 tons/year							
5.	Method of Compliance: Heat Input Weighted - 30-boiler operating day rolling avg.									
6.	Allowable Emissions Comment (Description of Operating Method): BACT. See PSD-FL-390, as amended and 0570039-027&-42-AC.									

#### 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: .029 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 124 lb/hour 543 tons/year					
5.	Method of Compliance: CMS	-						
6.	Allowable Emissions Comment (Description o PSD-FL-040	f Op	erating Method):					

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H001 - Acetaldehyde	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour t <sup>,</sup>	ons/year	4. Synthetically Limited? □ Yes □ No					
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): cons/year						
6.	Emission Factor:				7.	Emissi	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	ed N ears	Aonit	torir	ng 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H004 - Acetophenone	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour t <sup>,</sup>	ons/year	4. Synthetically Limited? □ Yes □ No					
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): cons/year						
6.	Emission Factor:				7.	Emissi	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	ed N vears	/Ionit	orin	ng Period	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H006 - Acrolein	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour to	ons/year	4. Synthetically Limited?					
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year						
6.	Emission Factor:				7. E	missions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-	-mor	nth Pe	eriod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Mo ears	onitc	oring	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H014 - Antimony Compounds	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour te	ons/year 4. Synthetically Limited? Synthetically Limited?					
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year					
6.	Emission Factor:				7. F	Emissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth P	eriod: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit	toring	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.

## (Optional for unregulated emissions units.)

#### 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 te	ons/year	4. Syr Lin □	nthetically nited? Yes	y		
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year					
6.	Emission Factor: Reference:			7. Emi	ssions Method Code:		
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-mo	onth Perio	эd: Го:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte	ed Monir rears	toring Pe	riod: 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.

#### (Optional for unregulated emissions units.) 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 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. Emissic	ons Method Code:		
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. Projecte	ed Monit rears	toring 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.

(Optional for unregulated emissions units.) 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 te	ons/year	A. Synthetically Limited? □ Yes □ No					
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): 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):	9.b. Projecte	ed N	/lonit	toring F	Period:		
	tons/year	□ 5 y	ears	5		$\Box$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H021 - Beryllium Compounds	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: Ib/hour te	ons/year	A. Synthetically Limited?					
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year						
6.	Emission Factor:				7. E	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth P	eriod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto □ 5 y	ed M vears	Aonit s	toring	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H022 - Biphenyl	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	licable): ons/year						
6.	Emission Factor:				7. E	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2	4-mo	onth Pe	eriod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed N	Aoni	toring	Period:		
	tons/year	□ 5 y	ears	5		$\Box$ 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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H023 - Bis(2-ethylbexyl)phthalate (DEHP)	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour to	ons/year	4. Syn Lir	ly			
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year					
6.	Emission Factor:			7. En	nissions Method Code:		
	Reference:						
8.a	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-m	onth Per	iod: To:		
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Moni ears	toring P	eriod:		
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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H025 - Bromoform	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	licable): ons/year						
6.	Emission Factor:				7. E	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth Pe	eriod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit s	toring	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.

(Optional for unregulated emissions units.) 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 to	ons/year	A. Synthetically Limited? □ Yes □ No					
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year						
6.	Emission Factor:				7. E	missions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth Pe	eriod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit s	toring	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H032 - Carbon disulfide	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour to	ons/year 4. Synthetically Limited?						
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year						
6.	Emission Factor:				7. E	missions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Pe	riod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	/Ionit	toring l	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H040 - 2-Chloroacetophenone	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. I	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth P	eriod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed M vears	/Ionit	toring	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H041 - Chlorobenzene	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour to	ons/year	ns/year 4. Synthetically Limited?					
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year						
6.	Emission Factor:				7.	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24	l-mo	nth	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.	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H043 - Chloroform	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 <sup>,</sup>	licable): ons/year						
6.	Emission Factor:				7. F	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth P	eriod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit s	toring	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.

(Optional for unregulated emissions units.) 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 t	ons/year	year 4. Synthetically Limited?					
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year						
6.	Emission Factor:				7. En	nissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	1e 24	4-mc	onth Peri	iod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte	ed M rears	Ionit	coring Po	eriod:		
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.
(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H047 - Cobalt Compounds	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour to	ons/year	4.	cally ? □ No				
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year						
6.	Emission Factor:				7.	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth H	Period: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit S	toring	g 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H053 - Cumene	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour to	ons/year	4.	ally □ No				
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year						
6.	Emission Factor:				7. E	Emissions Method Code:		
	Reference:							
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Pe	eriod: To:		
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecte	ed Monitoring Period: rears					
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.

(Optional for unregulated emissions units.) 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 te	ons/year	4.	Syr Lin	nthetica nited? Yes	ally □ No		
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year						
6.	Emission Factor:				7. E	missions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth Pe	eriod: To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed N	/loni	toring	Period:		
	tons/year	🗆 5 y	'ears	5		$\Box$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H058 - Dibenzofurans	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour te	ons/year	4.	Syr Lin	ally □ No			
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year						
6.	Emission Factor:				7. E	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth Pe	eriod: To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed N	Aoni	toring	Period:		
	tons/year	🗆 5 y	'ears	3		$\Box$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H076 - Dimethyl sulfate	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour tr	ons/year	4.	Syn Lin	🗆 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	b. Projected Monitoring 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H079 - 2,4-Dinitrotoluene	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour te	ons/year	4.	Syr Lin	nthetica nited? Yes	ally □ No		
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year						
6.	Emission Factor:				7. E	missions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Pe	eriod: To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	Aoni	toring	Period:		
	tons/year	□ 5 y	'ears	5		$\Box$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H085 - Ethyl benzene	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lin	nthetical nited? Yes	ly		
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year						
6.	Emission Factor:		_		7. En	nissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	1e 24	4-mc	onth Per	iod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte	<ul> <li>b. Projected Monitoring Period:</li> <li>□ 5 years □ 10 years</li> </ul>					
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.

(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: H087 - Ethyl chloride (Chloroethane)	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour to	ons/year	4.	Syr Lin	ally □ No			
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year						
6.	Emission Factor:				7. E	missions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2	4-mo	onth Pe	eriod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed N	Aoni	toring	Period:		
	tons/year	🗆 5 y	ears	5		$\square$ 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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H088 - Ethylene dibromide (Dibromoethane)	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour te	ons/year	4.	Syn Lin	thetica nited? Yes	ally □ No		
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year						
6.	Emission Factor:				7. E	missions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	1e 24	4-mc	onth Pe	eriod: To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	/lonit	toring	Period:		
	tons/year	□ 5 y	ears	5		$\Box$ 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.

# (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: H089 - Ethylene dichloride (1,2- Dichloroethane)	2. Total P	Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour t <sup>,</sup>	ons/year	4. Syr Lin	nthetica nited? Yes	lly			
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year						
6.	Emission Factor: Reference:			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 Moni <sup>*</sup> ears	toring F	eriod: □ 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.

(Optional for unregulated emissions units.) 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 Lin	🗆 No			
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year						
6.	Emission Factor:				7.	Emissi	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	1: 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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H104 - Hexane	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour te	ons/year	4.	Syr Lin	ally □ No			
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year						
6.	Emission Factor:				7. E	Emissions Method C	Code:	
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2	4-mo	onth P	eriod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	/Ioni	toring	Period:		
	tons/year	□ 5 y	ears	5		$\square$ 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.

# (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: H106 - Hydrogen chloride (Hydrochloric acid)	2. Total P	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. Emis	sions Method Code:			
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-mo	onth Period To	d: o:			
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto □ 5 y	ed Monir rears	toring Peri	lod: 10 years			
10.	Calculation of Emissions:							
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Comme	nt:					

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H107 - Hydrogen fluoride (Hydrofluoric acid)	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour to	ons/year	4.	lly □ No			
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year					
6.	Emission Factor:				7. En	nissions Method Code:	
	Reference:						
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth Per	iod: To:	
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit s	toring P	eriod:	
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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H109 - Isophorone	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour to	ons/year	4.	Syr Lin	ally □ No		
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year					
6.	Emission Factor:				7. E	Emissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 2-	4-mo	onth Po	eriod: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit S	toring	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.

(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:					
	H113 - Manganese Compounds						
3.	Potential Emissions: lb/hour te	ons/year	<ul> <li>4. Synthetically Limited?</li> <li>□ Yes □ No</li> </ul>				
5.	Range of Estimated Fugitive Emissions (as app	olicable):					
6.	Emission Factor:				7. Er	nissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mc	onth Per	riod:	
	tons/year	From:				To:	
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed M	1onit	oring P	eriod:	
	tons/year	□ 5 y	ears	i		□ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H114 - Mercury Compounds	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour to	ons/year	year 4. Synthetically Limited? □ Yes □ No				
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year					
6.	Emission Factor:				7.	Emissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	1e 24	4-mc	onth F	Period: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N rears	Aonit	toring	g 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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H117 - Methyl bromide (Bromomethane)	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour to	ons/year	4.	Syr Lin	nthetica nited? Yes	ally □ No	
5.	Range of Estimated Fugitive Emissions (as app to t	licable): ons/year					
6.	Emission Factor:				7. E	missions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth Pe	eriod: To:	
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed N	/loni	toring	Period:	
	tons/year	□ 5 y	ears	5		$\square$ 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.
(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:					
	H118 - Methyl chloride (Chloromethane)						
3.	Potential Emissions: lb/hour to	tions/year 4. Synthetically Limited?					
5.	Range of Estimated Fugitive Emissions (as app	licable):					
	to to	ons/year					
6.	Emission Factor:				7. E	Emissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mc	onth P	eriod:	
	tons/year	From:				To:	
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed M	Ionit	toring	Period:	
	tons/year	🗆 5 y	ears			$\square$ 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.

## (Optional for unregulated emissions units.)

#### Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H119 - Methyl chloroform (1,1,1- Trichloroethane)	2. Total Percent Efficiency of Control:				
3.	Potential Emissions: lb/hour t/	ons/year	4. Syr Lin	nthetic nited? Yes	cally	
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year				
6.	Emission Factor: Reference:			7. I	Emissions Method Code:	
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-mo	onth P	reriod: To:	
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Monir rears	toring	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.

## (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:						
	H120 - Methyl ethyl ketone (2-Butanone)							
3.	Potential Emissions: lb/hour te	ons/year 4. Synthetically Limited?						
5.	5. Range of Estimated Fugitive Emissions (as applicable):							
	to to	ons/year						
6.	Emission Factor:				7. E	missions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 24	4-mc	onth Pe	eriod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	/lonit	toring	Period:		
	tons/year	□ 5 y	ears	5		$\square$ 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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:						
	H121 - Methyl hydrazine							
3.	Potential Emissions: lb/hour te	tons/year 4. Synthetically Limited?						
5.	5. Range of Estimated Fugitive Emissions (as applicable):							
	to to	ons/year						
6.	Emission Factor:				7. Ei	missions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mc	onth Pe	riod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed M	Ionit	oring I	Period:		
	tons/year	□ 5 y	ears			$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:					
	H125 - Methyl methacrylate						
3.	Potential Emissions: lb/hour to	ons/year 4. Synthetically Limited? Synthetically Limited?					
5.	Range of Estimated Fugitive Emissions (as app to to	olicable): ons/year					
6.	Emission Factor:			7. ]	Emissions Method Code:		
	Reference:						
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24-r	nonth P	eriod:		
	tons/year	From:			To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed Moi	nitoring	Period:		
	tons/year	🗆 5 y	ears		$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:					
	H126 - Methyl tert butyl ether	<u>i</u>		Sur	otheti	cally	
3.	Potential Emissions:	,	4.	Lin	nited?	2 2	
	lb/hour to	ons/year				🗆 No	
5.	Range of Estimated Fugitive Emissions (as app	licable):					
	to to	ons/year					
6.	Emission Factor:				7.	Emissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2	4-mc	onth F	Period:	
	tons/year	From:				To:	
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed N	Aonit	toring	g Period:	
	tons/year	□ 5 y	ears	5		$\square$ 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.

### (Optional for unregulated emissions units.)

#### Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H128 - Methylene chloride (Dichloromethane)	2. Total Percent Efficiency of Control:				
3.	Potential Emissions: lb/hour t	ons/year	4. Syr Lin	nthetical nited? Yes	lly □ No	
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year				
6.	Emission Factor: Reference:			7. En	nissions Method Code:	
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	1e 24-m	onth Per	riod: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Moni 'ears	toring P	eriod:	
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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H132 - Naphthalene	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour te	ons/year	ns/year 4. Synthetically Limited?					
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year						
6.	Emission Factor:				7. E	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Po	eriod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N ears	Aonit	toring	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:					
	H133 - Nickel Compounds						
3.	Potential Emissions: lb/hour to	tons/year 4. Synthetically Limited?					
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year					
6.	Emission Factor:				7. Er	nissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	1e 24	4-mc	onth Per	riod:	
	tons/year	From:				To:	
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed M	Ionit	oring F	Period:	
	tons/year	□ 5 y	ears			$\Box$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H144 - Phenol	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour te	tons/year Synthetically Limited?					
5.	Range of Estimated Fugitive Emissions (as app to t <sup>2</sup>	olicable): ons/year					
6.	Emission Factor:				7.	Emissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24	4-mo	nth F	Period: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed M vears	Ionit	oring	; 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	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 tr	olicable): 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	iod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed M vears	Ionit	toring P	eriod:		
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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour to	ions/year 4. Synthetically   Limited?   Image: Synthetically   Image: Synthe					
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year					
6.	Emission Factor:				7. E	missions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Pe	eriod: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit	toring	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H154 - Propionaldehyde	2. Total P	erce	ent Ei	fficien	cy of Control:
3.	Potential Emissions: lb/hour te	ons/year	4.	Syn Lin	nthetica nited? Yes	llly □ No
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year				
6.	Emission Factor:				7. E	missions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Pe	riod: To:
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	/Ionit	toring l	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.

(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:					
	H162 - Selenium Compounds						
3.	Potential Emissions: lb/hour to	ons/year	4. Syr Lin	nthetically nited? Yes	y 🗆 No		
5.	Range of Estimated Fugitive Emissions (as app	licable):					
	to to	ons/year					
6.	Emission Factor:			7. Emi	issions Method Code:		
	Reference:						
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24-mo	onth Perio	od:		
	tons/year	From:		]	Го:		
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed Moni	toring Pe	riod:		
	tons/year	□ 5 y	ears	Γ	10 years		
10.	Calculation of Emissions:						
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Comme	nt:				

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

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H163 - Styrene	2. Total P	erce	ent E	fficien	cy of Control:		
3.	Potential Emissions: lb/hour to	ons/year	4.	Syr Lin	nthetica nited? Yes	ally □ No		
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year							
6.	Emission Factor:				7. E	missions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2-	4-mo	onth Pe	eriod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed N	Aoni	toring	Period:		
	tons/year	□ 5 y	ears	5		$\Box$ 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.

(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: H165 - 2 3 7 8-Tetrachlorodibenzo-p-dioxin	2. Total P	erce	nt Ef	fficie	ncy of Control:
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lim	theti ited? Yes	cally ? □ No
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year				
6.	Emission Factor:				7.	Emissions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth I	Period: To:
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte	ed M ears	Ionit	oring	g 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.

# (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: H167 - Tetrachloroethylene (Perchloroethylene)	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour t/	ons/year	4. Syr Lin	nthetic nited? Yes	cally		
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year						
6.	Emission Factor: Reference:			7. I	Emissions Method Code:		
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-mo	onth P	'eriod: To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte	ed Moni <sup>,</sup> ears	toring	Period: 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H169 - Toluene	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour te	ons/year	4.	Syr Lin	nthetic nited? Yes	ally		
5.	Range of Estimated Fugitive Emissions (as app to t	licable): ons/year						
6.	Emission Factor:				7. E	Emissions Method Cod	le:	
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2	4-mo	onth P	eriod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	Aoni	toring	Period:		
	tons/year	🗆 5 y	ears	5		$\square$ 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.
(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H182 - Vinyl acetate	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour t <sup>,</sup>	ons/year	4.	Syn Lin	nthet nited Yes	tically 1?	🗆 No		
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year								
6.	Emission Factor:				7.	Emissi	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. Projected Monitoring Period:□5 years□10 years					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.

No Pollutant Allowable Emissions information submitted.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:						
	H186 - Xylenes (isomers and mixtures)							
3.	Potential Emissions: lb/hour te	ons/year 4. Synthetically Limited?						
5.	Range of Estimated Fugitive Emissions (as app	licable):						
	to to	ons/year						
6.	Emission Factor:				7. E	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mc	onth P	eriod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	/lonit	oring	Period:		
	tons/year	□ 5 y	ears	5		$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H187 - o-Xylenes	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour te	ons/year	4.	Syr Lin	ally □ No			
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year								
6.	Emission Factor:				7. I	Emissions Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2	4-mo	onth P	eriod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	Ioni	toring	Period:		
	tons/year	□ 5 y	ears	5		$\Box$ 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.

(Optional for unregulated emissions units.) 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	4.	Syr Lin	nthetic nited? Yes	ally □ No			
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year								
6.	Emission Factor:				7. E	Emissions Method Code:			
	Reference:								
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth P	eriod: To:			
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period:□5 years□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.

Allo	wable Emissions 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.	Allowable Emissions and Units: 10 TEST REQUIRED (NO ALLOWABLE EMISSION)	4.	Equivalent Allowable Emissions: lb/hour tons/year
5.	Method of Compliance: Annual Stack Test	-	
6.	Allowable Emissions Comment (Description o Corrective measure must be taken if measured	f Op valu	erating Method): e exceed 5 ppmv. See 0570039-020-AC.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: NOX - Nitrogen Oxides	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: 2598 lb/hour 11379	tons/year	4.	Syn Lin	thet ited Yes	ically  ? □ No			
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year								
6.	Emission Factor: Reference:				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:	ne 2	4-mc	onth	Period: To:			
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Project	ted N years	Aonit	orin	g Period:			
10.	Calculation of Emissions:								
11.	<ol> <li>Pollutant Potential, Fugitive, and Actual Emissions Comment:</li> <li>660</li> </ol>								

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

Allowable Emissions 1 of 3

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: 433 lb/hour 1896.5 tons/year					
5.	Method of Compliance:							
6.	Allowable Emissions Comment (Description o based on a 30-day rolling average.	f Op	erating Method):					

#### Allowable Emissions Allowable Emissions 2 of 3

1.	Basis for Allowable Emissions Code: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	Future Effective Date of Allowable Emissions: 2007-05-31
3.	Allowable Emissions and Units: .1 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 433 lb/hour 1896.5 tons/year
5.	Method of Compliance: Heat Input Weighted - 30-day rolling average.		
6.	Allowable Emissions Comment (Description o Solid fuel. Basis for Allowable: Consent Decre	f Op e &	erating Method): Permit No. 0570039-060-AC.

#### Allowable Emissions Allowable Emissions 3 of 3

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: .44 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 1905 lb/hour 8345 tons/year				
5.	Method of Compliance: Acid Rain Compliance						
6.	Allowable Emissions Comment (Description o NOx emission average plan, no compliance tes	f Op ting	erating Method): is requied. Annual RATA to centify the CEM.				

# (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: 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 applicable): to tons/year								
6.	Emission Factor: Reference:			7. Emissio	ns 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. Projecto	ed Monit 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.

No Pollutant Allowable Emissions information submitted.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: PM - Particulate Matter - Total	<ol> <li>Total Percent Efficiency of Control: 99.7</li> </ol>					
3.	Potential Emissions: 43.3 lb/hour 189.7 t	ons/year	4.	Syr Lin	nthet nited Yes	ically l? No	
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year					
6.	Emission Factor: Reference:				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-mo	onth	Period: To:	
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Project □ 5 y	ed N ears	/Ionit	torin	ng Period:	
10.	Calculation of Emissions:						
11.	<ol> <li>Pollutant Potential, Fugitive, and Actual Emissions Comment:</li> <li>660</li> </ol>						

# 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:	2.	Future Effective Date of Allowable Emissions:						
3.	Allowable Emissions and Units: .03 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: lb/hour tons/yea						
5.	Method of Compliance:								
6.	Allowable Emissions Comment (Description o	f Op	erating Method):						

#### 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: .01 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 43.3 lb/hour 189.7 tons/year
5.	Method of Compliance: Stack test		
6.	Allowable Emissions Comment (Description o Solid or liquid fuels. Basis for Allowable: Con	f Op sent	erating Method): Decree & Permit No. 0570039-060-AC.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total P	ercen	nt Ef	ficien	cy of Control:
	PM10 - Particulate Matter - PM10					
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lim	thetica iited? Yes	llly □ No
5.	Range of Estimated Fugitive Emissions (as app	e Emissions (as applicable):				
to tons/year						
6.	Emission Factor:				7. E	missions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	-mo	nth Pe	riod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed M	onit	oring l	Period:
	tons/year	□ 5 y	ears			$\square$ 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.

No Pollutant Allowable Emissions information submitted.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: SO2 - Sulfur Dioxide	<ol> <li>Total P 98</li> </ol>	Perce	ent E	ffici	ency of Control:
3.	Potential Emissions: 3551 lb/hour 15552 to	ons/year	4.	Syr Lin	nthet nitec Yes	tically 1? 5
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year				
6.	Emission Factor: Reference:				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-mo	onth	Period: To:
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Project □ 5 y	ed N vears	/loni	torir	ng Period:
10.	Calculation of Emissions:					
11.	Pollutant Potential, Fugitive, and Actual Emissi 660	ons Comme	nt:			

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

Allo	lowable 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: .82 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 3551 lb/hour 15553.4 tons/year					
5.	Method of Compliance:							
6.	Allowable Emissions Comment (Description o	f Op	erating Method):					

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: VOC - Volatile Organic Compounds	2. Total P	erce	ent E	ffici	ency of Control:
3.	Potential Emissions: 10 lb/hour 43 tr	ons/year	4.	Syr Lin	nthet nitec Yes	ically l? No
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year				
6.	Emission Factor: Reference:				7.	Emissions Method Code: (3B) CALCULATED USING EMISSION FACTOR FROM AP- 42/FIRE SYSTEM OR OTHER PUBLISHED EMISSIONS CALCULATION SOURCE.
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	ed N vears	/loni	torir	ng 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.

No Pollutant Allowable Emissions information submitted.

## G. VISIBLE EMISSIONS INFORMATION

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

Visi	isible Emissions Limitation: Visible Emissions Limitation 1 of 1				
1.	Visible Emissions Subtype: VE20 - VISIBLE EMISSIONS - 20% NORMAL OPACITY	<ol> <li>Basis for Allowa</li> <li>✓ Rule</li> </ol>	able Opacity:		
3.	Allowable Opacity: Normal Conditions: 20% Excep Maximum Period of Excess Opacity Allowed:	ptional Conditions:	27% 6 min/hour		
4.	Method of Compliance:				
5.	Visible Emissions Comment:				

## **H. CONTINUOUS MONITOR INFORMATION**

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

_				
<b>Continuous</b>	Monitoring	System:	Continuous Monitor 1 of 7	

1.	Parameter Code: O2 - Oxygen	2. Pollutant(s):
3.	CMS Requirement:	□ Rule □ Other
4.	Monitor Information Manufacturer: LEAR-SIEGLER Model Number: CM-50	Serial 073933 Number:
5.	Installation Date:	6. Performance Specification Test Date:
7.	Continuous Monitor Comment:	
	Status: Active	
Cor	ntinuous Monitoring System: Continuous Ma	Ionitor 2 of 7
1.	Parameter Code: CO2 - Carbon dioxide	2. Pollutant(s):
3.	CMS Requirement:	□ Rule □ Other
4.	Monitor Information Manufacturer: SIEMENS Model 5E Number:	Serial Number: E3-794
5.	Installation Date:	6. Performance Specification Test Date:
7.	Continuous Monitor Comment: Stack outlet	
	Status: Active	

Continuous	Monitoring	System:	Continuous	Monitor 3 of 7
commente	THOM SO THE	N J NOOMIN	0 0 11 0 11 0 0 0 0	1.10111001 0 01 /

1.	Parameter Code: VE - Visible emissions (opacity)	2. F	Pollutant(s):	
3.	CMS Requirement:	🗆 Ri	ule	□ Other
4.	Monitor Information Manufacturer: CONTRAVES GOERTZ Model Number: M-400		Serial Number:	
5.	Installation Date:	6. F	Performance Specific	cation Test Date:
7.	Continuous Monitor Comment: Latest COM Model			
	Status: Active			

#### **Continuous Monitoring System:** Continuous Monitor 4 of 7

1.	Parameter Code: CO2 - Carbon dioxide	2. Pollutant(s):
3.	CMS Requirement:	□ Rule □ Other
4.	Monitor Information Manufacturer: SIEMENS Model Number:	Serial Number: ND-N1-R5-0790
5.	Installation Date: 01-JUL-03	6. Performance Specification Test Date:
7.	Continuous Monitor Comment:	-
	Status: Active	

Continuous	Monitoring	System:	Continuous	Monitor	5 of 7
Commuous	monitor mg	by stem.	Commuous	101011101	5017

001						
1.	Parameter Code: EM - EMISSION	2.	Pollutant(s): SO2			
3.	CMS Requirement:		Rule 🗆 Other			
4.	Monitor Information Manufacturer: THERMO ENVIRONMENTA Model Number: 43C	L	Serial Number: 78953-390			
5.	Installation Date: 01-JUL-03	6.	Performance Specification Test I	Date:		
7.	Continuous Monitor Comment: SO2 FGD outlet duct					
	Status: Active					

#### **Continuous Monitoring System:** Continuous Monitor 6 of 7

1.	Parameter Code: FLOW - Volumetric flow rate	2. Pollutant(s):		
3.	CMS Requirement:	□ Rule □ Other		
4.	Monitor Information Manufacturer: MONITOR LABS Model 150 Number:	Serial Number:		
5.	Installation Date: 01-JUL-03	6. Performance Specification Test Date:		
7.	Continuous Monitor Comment:			
	Status: Active			

Con	ontinuous Monitoring System: Continuous Monitor 7 of 7					
1.	Parameter Code: EM - EMISSION	2. Pollutant(s):				
3.	CMS Requirement:	$\square \text{ Rule} \square \text{ Other}$				
4.	Monitor Information Manufacturer: THERMO FISHER Model 48I Number:	Serial Number: 0631019285				
5.	Installation Date:	<ol> <li>Performance Specification Test Date: 09-FEB-09</li> </ol>				
7.	Continuous Monitor Comment: CO monitor to be installed by 3/31/08.					
	Status: Active					

# tinuous Monitor 7 of 7

Ada	I. EMISSIONS UNIT ADDITIONAL INFO	RMATION Stated
1.	Process Flow Diagram (Required for all permit applications, except revision applications if this information was submitted to the depart years and would not be altered as a result of the revision being soug	Title V air operation permit ment within the previous five ht)
	□ Applicable □ Previously Submitted, Date:	L Attachment
2.	Fuel Analysis or Specification (Required for all permit applications, permit revision applications if this information was submitted to the previous five years and would not be altered as a result of the revision	except Title V air operation department within the on being sought)
	Applicable Previously Submitted, Date:	Attachment
3.	Detailed Description of Control Equipment (Required for all permit air operation permit revision applications if this information was sul within the previous five years and would not be altered as a result of ☐ Applicable	applications, except Title V omitted to the department f the revision being sought)
4.	Procedures for Startup and Shutdown (Required for all operation per V air operation permit revision applications if this information was s within the previous five years and would not be altered as a result of $\Box$ Applicable $\Box$ Previously Submitted. Date:	rmit applications, except Title submitted to the department f the revision being sought)
5.	Operation and Maintenance Plan (Required for all permit application permit revision applications if this information was submitted to the previous five years and would not be altered as a result of the revision	ns, except Title V air operation department within the on being sought)
6.	Compliance Demonstration Reports/Records <ul> <li>Applicable</li> <li>Previously Submitted, Date:</li> <li>To Be Submitted, Date (if known):</li> </ul> Previously Submitted Test Date(s)/Pollutants Tested:	□ Attachment
	To be Submitted Test Date(s)/Pollutants Tested:	
	Note: For FESOP applications, all required compliance demonstration submitted at the time of application. For Title V air operation permit compliance demonstration reports/records must be submitted at the compliance plan must be submitted at the time of application.	on records/reports must be t applications, all required time of application, or a
7.	Other Information Required by Rule or Statute	
	□ Applicable	□ 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)	
	Alternative wodes of Operation (Emissions Trading)	

#### Additional Requirements for Air Construction Permit Applications

1.	Control Technology Review and Analysis (Rules 62-212.400(10) CFR 63.43(d) and (e))	and 62-212.500(7), F.A.C.; 40
		□ Attachment
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.4 212.500(4)(f), F.A.C.)	00(4)(d), F.A.C., and Rule 62-
		□ Attachment
3.	Description of Stack Sampling Facilities (Required for proposed r only)	new stack sampling facilities
		□ Attachment
Oth	er Information Regarding this Emissions Unit	
1.	Other Emissions Unit Information	

Applicable 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 tion Parmit Emissions Unit Classification

## <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.
  - □ The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

#### **Emissions Unit Description and Status**

1.	Type of Emissions U	Jnit Addressed in this Secti	ion: (Check one)			
	<ul> <li>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).</li> <li>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.</li> </ul>					
	☐ This Emissions process or produ	Unit Information Section a activities w	ddresses, as a single emiss which produce fugitive emi	sions unit, one or more issions only.		
2.	Description of Emiss Fly Ash Silo No. 1 B	sions Unit Addressed in thi Baghouse	is Section:			
3.	Emissions Unit Iden	tification Number: 8				
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	<ol> <li>Emissions Unit Major Group SIC Code: 49</li> </ol>		
8.	<ul> <li>Federal Program Applicability: (Check all that apply)</li> <li>Acid Rain Unit</li> <li>CAIR Unit</li> </ul>					
9.	Package Unit Model Number: Manufacturer:					
10.	Generator Nameplate	e Rating: MW				
11.	Emissions Unit Com B2=TONS/HR OF F	nment: FLYASH STORED MODI	FICATION TO ALLOW	FRUCK UNLOADING		

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

No Control Equipment information submitted.

# **B. EMISSIONS UNIT CAPACITY INFORMATION** (Optional for unregulated emissions units.)

## Emissions Unit Operating Capacity and Schedule

1.	Maximum Process or Throughput Rate: 45	ТРН	
2.	Maximum Production Rate:		
3.	Maximum Heat Input Rate: million Btu/hr		
4.	Maximum Incineration Rate:	pounds/hr tons/day	
5.	Requested Maximum Operating Schedule:		
		hours/day	days/week
		weeks/year	hours/year
6.	Operating Capacity/Schedule Comment:		

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

Emi	mission Point Description and Type						
1.	Identification of Point on Plot Plan or Flow Diagram:		<ul> <li>2. Emission Point Type Code:</li> <li>1 - A single emission point serving a single emissions unit</li> </ul>				
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	on Point in Common:			
5.	Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION	<ol> <li>Stack Height: 102 feet</li> </ol>		<ol> <li>7. Exit Diameter:</li> <li>2.5 feet</li> </ol>			
8.	Exit Temperature: 250° F	9. Actual Volumetric Flow Rate: 15500 acfm		10. Water Vapor: %			
11.	<ol> <li>Maximum Dry Standard Flow Rate: dscfm</li> </ol>		12. Nonstack Emission Point Height: feet				
13.	3. Emission Point UTM Coordinates Zone: East (km): North (km):		14. Emission Point Latitude/Longitude Latitude: Longitude:				
15.	Emission Point Comment:						

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

Seg	ment Description and Rate:	Segment 1 of 1	,					
1.	1. Segment Description (Process/Fuel Type):							
2.	2. Source Classification Code (SCC):       3. SCC Units:         30510299       Tons Material Processed							
4.	Maximum Hourly Rate: 44.5	5. Maximum Annual Rate:		6.	Estimated Annual Activity Factor:			
7.	Maximum % Sulfur:	8. Maximum % Ash:		9.	Million Btu per SCC Unit:			
10.	10. Segment Comment: TONS OF FLYASH STORED							
	Is this a valid segment? Yes							

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
PM				Yes
PM10				Yes

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: PM - Particulate Matter - Total	2. Total Percent Efficiency of Control:			
3.	Potential Emissions: 5.16 lb/hour 22.62 to	ons/year	4. Syr Lin	ntheticall nited? Yes	y □ No
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year			
6.	Emission Factor: Reference:			7. Em (2) US BA KN	issions Method Code: CALCULATED BY E OF MATERIAL LANCE AND IOWLEDGE OF THE
8.a	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-mo	onth Peri	od: To:
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Projecto □ 5 y	ed Moni ears	toring Pe	eriod: 10 years
10.	Calculation of Emissions:				
11.	Pollutant Potential, Fugitive, and Actual Emissi 2.700(3)(D)	ons Comme	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.

Allo	lowable 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: .03 GRAINS PER DRY STANDARD CUBIC FOOT	4.	Equivalent Allowable Emissions: 5.16 lb/hour 22.62 tons/year				
5.	Method of Compliance:						
6.	Allowable Emissions Comment (Description o	f Op	erating Method):				

# 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:	2. Total Percent Efficiency of Control:				
	PM10 - Particulate Matter - PM10					
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lim	thetica iited? Yes	llly □ No
5.	Range of Estimated Fugitive Emissions (as app	olicable):				
	to to	ons/year				
6.	Emission Factor:				7. E	missions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	-mo	nth Pe	riod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed M	onit	oring l	Period:
	tons/year	□ 5 y	ears			$\square$ 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.

## 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 1						
1.	Visible Emissions Subtype: VE05 - VISIBLE EMISSIONS - 5% NORMAL OPACITY	<ol> <li>Basis for Allowa</li> <li>□ Rule</li> </ol>	ble Opacity: Other				
3.	Allowable Opacity:Normal Conditions: 5%ExceptionMaximum Period of Excess Opacity Allowed:	ptional Conditions:	% min/hour				
4.	<ol> <li>Method of Compliance: EPA ALTERNATE METHOD 1, EPA METHOD 9, EPA METHOD 22</li> </ol>						
5.	<ol> <li>Visible Emissions Comment: PA 79-12; and, Chapter 1-3.52, Rules of the EPC</li> </ol>						

#### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

Ada	I. EMISSIONS UNIT ADDITIONAL INFO ditional Requirements for All Applications, Except as Otherwise	RMATION Stated
1.	Process Flow Diagram (Required for all permit applications, excep revision applications if this information was submitted to the depar years and would not be altered as a result of the revision being soug	t Title V air operation permit tment within the previous five ght)
2.	Fuel Analysis or Specification (Required for all permit applications permit revision applications if this information was submitted to the previous five years and would not be altered as a result of the revise Applicable Previously Submitted, Date:	s, except Title V air operation e department within the ion being sought)
3.	Detailed Description of Control Equipment (Required for all permi air operation permit revision applications if this information was su within the previous five years and would not be altered as a result of □ Applicable □ Previously Submitted, Date:	t applications, except Title V bmitted to the department of the revision being sought) Attachment
4.	Procedures for Startup and Shutdown (Required for all operation per V air operation permit revision applications if this information was within the previous five years and would not be altered as a result of Applicable	ermit applications, except Title submitted to the department of the revision being sought)
5.	Operation and Maintenance Plan (Required for all permit application permit revision applications if this information was submitted to the previous five years and would not be altered as a result of the revise	ons, except Title V air operation e department within the ion being sought)
6.	<ul> <li>Compliance Demonstration Reports/Records</li> <li>Applicable</li> <li>Previously Submitted, Date:</li> <li>To Be Submitted, Date (if known):</li> <li>Previously Submitted Test Date(s)/Pollutants Tested:</li> <li>To be Submitted Test Date(s)/Pollutants Tested:</li> <li>Note: For FESOP applications, all required compliance demonstrat submitted at the time of application. For Title V air operation perm compliance demonstration reports/records must be submitted at the time of application.</li> </ul>	☐ Attachment ion records/reports must be it applications, all required time of application, or a
7.	Other Information Required by Rule or Statute	

□ Applicable

□ 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)	
	Alternative wodes of Operation (Emissions Trading)	

#### Additional Requirements for Air Construction Permit Applications

1.	Control Technology Review and Analysis (Rules 62-212.400(10) CFR 63.43(d) and (e))	and 62-212.500(7), F.A.C.; 40
		□ Attachment
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.4 212.500(4)(f), F.A.C.)	00(4)(d), F.A.C., and Rule 62-
		□ Attachment
3.	Description of Stack Sampling Facilities (Required for proposed r only)	new stack sampling facilities
		□ Attachment
Oth	er Information Regarding this Emissions Unit	
1.	Other Emissions Unit Information	

Applicable 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 tion Parmit Emissions Unit Classification

## **<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.
  - $\square$  The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

## **Emissions Unit Description and Status**

1.	Type of Emissions U	Type of Emissions Unit Addressed in this Section: (Check one)						
	<ul> <li>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).</li> </ul>							
	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 process or produ	Unit Information Section a uction units and activities w	ddresses, as a single emiss which produce fugitive emi	sions unit, one or more issions only.				
2.	Description of Emiss Fly Ash Silo No. 2 B	sions Unit Addressed in thi Baghouse	is Section:					
3.	Emissions Unit Ident	tification Number: 9						
4.	I.Emissions Unit Status Code: A5.Commence Construction Date:6.Initial Startup Date:7.Emissions Unit Major Group SIC Code: 49							
8.	<ul> <li>Federal Program Applicability: (Check all that apply)</li> <li>Acid Rain Unit</li> <li>CAIR Unit</li> </ul>							
9.	Package Unit Model Number: Manufacturer:							
10.	Generator Nameplate	e Rating: MW						
11.	Emissions Unit Com B2=TONS/HR OF F	nment: FLYASH STORED						

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

No Control Equipment information submitted.

# **B. EMISSIONS UNIT CAPACITY INFORMATION** (Optional for unregulated emissions units.)

## Emissions Unit Operating Capacity and Schedule

1.	Maximum Process or Throughput Rate: 45	ГРН	
2.	Maximum Production Rate:		
3.	Maximum Heat Input Rate: million Btu/hr		
4.	Maximum Incineration Rate:	pounds/hr tons/day	
5.	Requested Maximum Operating Schedule:		
		hours/day	days/week
		weeks/year	hours/year
6.	Operating Capacity/Schedule Comment:		

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

<u>Emi</u>	mission Point Description and Type						
1.	Identification of Point on Plot Plan or Flow Diagram:			<ol> <li>Emission Point Type Code:</li> <li>1 - A single emission point serving a single emissions unit</li> </ol>			
3.	. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:						
4.	4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:						
5.	Discharge Type Code:	6. Stack Height: 113 feet			<ul><li>7. Exit Diameter:</li><li>.9 feet</li></ul>		
8.	Exit Temperature: 250° F	9. Actual Volu Rate: 15500 acfm	umetric Flow		10. Water Vapor: %		
11.	<ol> <li>Maximum Dry Standard Flow Rate: dscfm</li> </ol>		12. Nonstack Emission Point Height: feet				
13.	3. Emission Point UTM Coordinates Zone: East (km): North (km):			14. Emission Point Latitude/Longitude Latitude: Longitude:			
15.	Emission Point Comment:						

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

Seg	ment Description and Rate:	Segment 1 of 1	,			
1.	Segment Description (Proces	s/Fuel Type):				
2.	2. Source Classification Code (SCC):       3. SCC Units:         30510299       Tons Material Processed					
4.	Maximum Hourly Rate: 150	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: SILO LOADING	-				
	Is this a valid segment? Yes					

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
PM				Yes
PM10				Yes

# 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: PM - Particulate Matter - Total	2. Total Percent Efficiency of Control:				
3.	Potential Emissions: .2 lb/hour .9 te	ons/year	4.	Syn Lim	ithet nited Yes	tically 1? s I No
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year				
6.	Emission Factor:				7.	Emissions Method Code: (2) CALCULATED BY USE OF MATERIAL BALANCE AND
	Reference:					KNOWLEDGE OF THE PROCESS.
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	ed N vears	10nit	orin	ng Period:
10.	Calculation of Emissions:					
11.	Pollutant Potential, Fugitive, and Actual Emissi PA 79-12; and, Chapter 1-3.52, Rules of the El	ons Commer PC	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.

1.	Basis for Allowable Emissions Code:	2.	Future Effective Date of Allowable Emissions:		
3.	Allowable Emissions and Units: .03 GRAINS PER DRY STANDARD CUBIC FOOT	4.	Equivalent Allowable Emis 5.16 lb/hour	ssions: 22.62 tons/year	
5.	Method of Compliance:				
6.	Allowable Emissions Comment (Description or	f Op	erating Method):		

# 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:	2. Total Percent Efficiency of Control:				
	PM10 - Particulate Matter - PM10					
3.	Potential Emissions: lb/hour te	ons/year	4.	Syn Lim	thetica iited? Yes	llly □ No
5.	Range of Estimated Fugitive Emissions (as app	licable):				
	to te	ons/year				
6.	Emission Factor:				7. E	missions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	-mo	onth Pe	riod:
	tons/year	From:				То:
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed M	onit	oring l	Period:
	tons/year	🗆 5 y	ears			$\square$ 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.

## 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 1				
1.	Visible Emissions Subtype: VE05 - VISIBLE EMISSIONS - 5% NORMAL OPACITY	<ol> <li>Basis for Allowa</li> <li>□ Rule</li> </ol>	able Opacity: Other		
3.	Allowable Opacity:         Normal Conditions: 5%       Exceptional Conditions: %         Maximum Period of Excess Opacity Allowed:       min/hour				
4.	Method of Compliance:				
5.	Visible Emissions Comment: PA 79-12; and, Chapter 1-3.52, Rules of the El	2C			

#### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

Ada	I. EMISSIONS UNIT ADDITIONAL INFORM litional Requirements for All Applications Except as Otherwise Sta	MATION
1.	Process Flow Diagram (Required for all permit applications, except Ti revision applications if this information was submitted to the departme years and would not be altered as a result of the revision being sought)	tle V air operation permit ent within the previous five
	□ Applicable □ Previously Submitted, Date:	□ Attachment
2.	Fuel Analysis or Specification (Required for all permit applications, expermit revision applications if this information was submitted to the deprevious five years and would not be altered as a result of the revision Applicable Previously Submitted. Date:	ccept Title V air operation epartment within the being sought)
3.	Detailed Description of Control Equipment (Required for all permit ap air operation permit revision applications if this information was subm within the previous five years and would not be altered as a result of th Applicable	pplications, except Title V itted to the department ne revision being sought) Attachment
4.	Procedures for Startup and Shutdown (Required for all operation perm V air operation permit revision applications if this information was sub within the previous five years and would not be altered as a result of th Applicable Previously Submitted, Date:	it applications, except Title omitted to the department ne revision being sought)
5.	Operation and Maintenance Plan (Required for all permit applications, permit revision applications if this information was submitted to the de previous five years and would not be altered as a result of the revision	except Title V air operation epartment within the being sought)
6.	Compliance Demonstration Reports/Records <ul> <li>Applicable</li> <li>Previously Submitted, Date:</li> <li>To Be Submitted, Date (if known):</li> </ul> Previously Submitted Test Date(s)/Pollutants Tested: To be Submitted Test Date(s)/Pollutants Tested: Note: For FESOP applications, all required compliance demonstration submitted at the time of application. For Title V air operation permit at the time of application.	☐ Attachment records/reports must be
	compliance demonstration reports/records must be submitted at the time compliance plan must be submitted at the time of application.	pplications, all required ne of application, or a
7.	Other Information Required by Rule or Statute Applicable	□ 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)	
	Alternative wodes of Operation (Emissions Trading)	

#### Additional Requirements for Air Construction Permit Applications

1.	Control Technology Review and Analysis (Rules 62-212.400(10) CFR 63.43(d) and (e))	and 62-212.500(7), F.A.C.; 40
		□ Attachment
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.4 212.500(4)(f), F.A.C.)	00(4)(d), F.A.C., and Rule 62-
		□ Attachment
3.	Description of Stack Sampling Facilities (Required for proposed r only)	new stack sampling facilities
		□ Attachment
Oth	er Information Regarding this Emissions Unit	
1.	Other Emissions Unit Information	

Applicable 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 tion Parmit Emissions Unit Classification

## **<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.
  - $\square$  The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

## **Emissions Unit Description and Status**

1.	Type of Emissions Unit Addressed in this Section: (Check one)							
	This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).							
	□ This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.							
	✓ This Emissions process or produce	Unit Information Section a activities v	addresses, as a single emiss which produce fugitive emi	sions unit, one or more issions only.				
2.	Description of Emissions Unit Addressed in this Section: Solid Fuel Yard Fugitive Emissions							
3.	Emissions Unit Ident	tification Number: 10						
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	<ul> <li>7. Emissions Unit Major Group SIC Code: 49</li> </ul>				
8.	Federal Program Applicability: (Check all that apply) Acid Rain Unit CAIR Unit							
9.	Package UnitModel Number:Manufacturer:							
10.	Generator Nameplate	e Rating: MW						
11.	Emissions Unit Com B1=TONS/HR OF C	ment: COAL STORED						

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

No Control Equipment information submitted.

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

No Capacity information submitted.

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

Emi	<u>Emission Point Description and Type</u>						
1.	Identification of Point on Plot Diagram: THE SOLID FUEL YARD E EMISSIONS POINTS.	t Plan or Flow .U. HAS 64	<ol> <li>Emission Point Type Code:</li> <li>3 - A configuration of multiple emissions points serving a single emissions unit</li> </ol>				
3.	Descriptions of Emission Point	nts Comprising th	is Emissions Unit	for VE Tracking:			
4.	1. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:						
5.	Discharge Type Code:	6. Stack Height feet	t:	7. Exit Diameter: feet			
8.	Exit Temperature: 77° F	9. Actual Volue Rate: acfm	metric Flow	10. Water Vapor: %			
11.	11. Maximum Dry Standard Flow Rate: dscfm12. Nonsta 10 fee			stack Emission Point Height: eet			
13.	3. Emission Point UTM Coordinates       14. Emission Point Latitude/Longitude         Zone:       East (km):       Latitude:         North (km):       Longitude:						
15.	<ul> <li>5. Emission Point Comment:</li> <li>The majority of the emissions points are fugitives. This emissions unit has a total of 51 emissions points.</li> </ul>						

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

Seg	ment Description and Rate:	Segment 1 of 1	,				
1.	Segment Description (Proces	s/Fuel Type):					
2.	Source Classification Code (SCC): 305103033. SCC Units: Tons Material Processed						
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.	10. Segment Comment: there is no limit on the annual coal throughput.						
	Is this a valid segment? Yes						

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
PM			NS	Yes
PM10			NS	Yes

#### 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: PM - Particulate Matter - Total	2. Total Per	rce	nt Ef	ficie	ency of Control:
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lim	theti ited Yes	ically ? I No
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year				
6.	Emission Factor: Reference:				7.	Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST- CASE ALLOWABLE EMISSION.
8.a	. Baseline Actual Emissions (if required):	8.b. Baseline	e 24	1-mo	nth	Period:
	tons/year	From:				To:
9.a	. Projected Actual Emissions (if required):	9.b. Projected	d M	Ionit	orin	g Period:
	tons/year	□ 5 yea	ars			$\Box$ 10 years
10.	Calculation of Emissions:					
11.	Pollutant Potential, Fugitive, and Actual Emissi Reasonable precautions to limit unconfined PM	ons Comment I emissions. N	t: Jo I	PM li	imit.	

## 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:	2. Total Percent Efficiency of Control:							
	PM10 - Particulate Matter - PM10								
3.	Potential Emissions: lb/hour to	ons/year 4. Synthetically Limited?							
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year								
6.	Emission Factor:			7	7. Emi	issions Method Code:			
	Reference:								
8.a.	. Baseline Actual Emissions (if required):	8.b. Baseline 24-month Period:							
	tons/year	From:			]	Го:			
9.a.	. Projected Actual Emissions (if required):	9.b. Projected Monitoring Period:							
	tons/year	$\Box$ 5 years			Γ	10 years			
10.	Calculation of Emissions:								
11.	<ol> <li>Pollutant Potential, Fugitive, and Actual Emissions Comment: Reasonable precautions to limit unconfined PM emissions. No PM limit.</li> </ol>								

## 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.

## G. VISIBLE EMISSIONS INFORMATION

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

<b><u>Visible Emissions Limitation:</u></b> Visible Emissions Limitation 1 of 1								
1.	Visible Emissions Subtype: VE20 - VISIBLE EMISSIONS - 20% NORMAL OPACITY	2.	Basis for Allowa □ Rule	ble Opacity: Other				
3.	Allowable Opacity: Normal Conditions: % Excep Maximum Period of Excess Opacity Allowed:	% min/hour						
4.	Method of Compliance:							
5.	Visible Emissions Comment: Pursuant to chaper 1-3.52 of the rules of the EF for unconfined emissions in the fuel yard.	<b>P</b> C, <sup>1</sup>	visible emissions s	hall not exceed 20% opacity				
#### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

A .].	I. EMISSIONS UNIT ADDITIONAL INFOR	MATION
<b>Add</b> 1.	Process Flow Diagram (Required for all permit applications, except T revision applications if this information was submitted to the departm years and would not be altered as a result of the revision being sought	itle V air operation permit ent within the previous five )
	E la la construction de la const	
2.	permit revision applications if this information was submitted to the d previous five years and would not be altered as a result of the revision	epartment within the being sought)
3.	air operation permit revision applications if this information was subn within the previous five years and would not be altered as a result of t Applicable	he revision being sought)
4.	Procedures for Startup and Shutdown (Required for all operation perm V air operation permit revision applications if this information was su within the previous five years and would not be altered as a result of t $\square$ Applicable $\square$ Previously Submitted, Date:	hit applications, except Title bmitted to the department he revision being sought)
5.	Operation and Maintenance Plan (Required for all permit applications permit revision applications if this information was submitted to the d previous five years and would not be altered as a result of the revision	e, except Title V air operation epartment within the being sought) Attachment
6.	Compliance Demonstration Reports/Records	
	□ Applicable □ Previously Submitted, Date:	□ Attachment
	□ 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 submitted at the time of application. For Title V air operation permit a compliance demonstration reports/records must be submitted at the tim compliance plan must be submitted at the time of application.	n records/reports must be applications, all required ne of application, or a
7.	Other Information Required by Rule or Statute	
	□ Applicable	□ 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)	

#### Additional Requirements for Air Construction Permit Applications

1.	Control Technology Review and Analysis (Rules 62-212.400(10) CFR 63.43(d) and (e))	and 62-212.500(7), F.A.C.; 40
		□ Attachment
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.4 212.500(4)(f), F.A.C.)	00(4)(d), F.A.C., and Rule 62-
		□ Attachment
3.	Description of Stack Sampling Facilities (Required for proposed r only)	new stack sampling facilities
		□ Attachment
Oth	er Information Regarding this Emissions Unit	
1.	Other Emissions Unit Information	

Applicable 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 tion Parmit Emissions Unit Classification

# **<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.
  - $\square$  The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

## **Emissions Unit Description and Status**

1.	Type of Emissions Unit Addressed in this Section: (Check one)						
	<ul> <li>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).</li> </ul>						
	☐ This Emissions process or produ (stack or vent) b	Unit Information Section a uction units and activities w out may also produce fugiti	ddresses, as a single emiss which has at least one definitive emissions.	sions unit, a group of nable emission point			
	☐ This Emissions process or produ	Unit Information Section a activities w	ddresses, as a single emise which produce fugitive em	sions unit, one or more issions only.			
2.	Description of Emiss Limestone Silo A wi	sions Unit Addressed in thi ith 2 Baghouses	s Section:				
3.	Emissions Unit Iden	tification Number: 12					
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	<ul> <li>Emissions Unit Major Group SIC Code: 49</li> </ul>			
8.	Federal Program App	plicability: (Check all that	apply)				
	□ Acid Rain Unit						
	CAIR Unit						
9.	Package UnitModel Number:Manufacturer:						
10.	Generator Nameplate	e Rating: MW					
11.	Emissions Unit Com	nment:					

### **Emissions Unit Control Equipment**

No Control Equipment information submitted.

## B. EMISSIONS UNIT CAPACITY INFORMATION (Optional for unregulated emissions units.)

# Emissions Unit Operating Capacity and Schedule

1.	Maximum Process or Throughput Rate:		
2.	Maximum Production Rate:		
3.	Maximum Heat Input Rate: million Btu/h	r	
4.	Maximum Incineration Rate:	pounds/hr	
		tons/day	
5.	Requested Maximum Operating Schedule	:	
		24 hours/day	7 days/week
		52 weeks/year	8760 hours/year
6.	Operating Capacity/Schedule Comment:		

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

Emi	mission Point Description and Type					
1.	Identification of Point on Plot Diagram:	t Plan or Flow	<ol> <li>Emission Point Type Code:</li> <li>1 - A single emission point serving a single emissions unit</li> </ol>			
3.	3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:					
4.	4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:					
5.	Discharge Type Code:	<ol> <li>Stack Height: 101 feet</li> </ol>		<ol> <li>Exit Diameter:</li> <li>.5 feet</li> </ol>		
8.	Exit Temperature: 150° F	<ul> <li>9. Actual Volumetric Flow Rate: 552 acfm</li> </ul>		10. Water Vapor: %		
11.	Maximum Dry Standard Flow dscfm	v Rate:	12. Nonstack Emission Point Height: feet			
13.	Emission Point UTM Coordin Zone: East (km) North (km)	nates : :	14. Emission Point Latitude/Longitude Latitude: Longitude:			
15.	Emission Point Comment:					

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

Seg	ment Description and Rate:	Segment 1 of 1	,				
1.	. Segment Description (Process/Fuel Type):						
2.	2. Source Classification Code (SCC):       3. SCC Units:         30510205       Tons Material Processed						
4.	Maximum Hourly Rate:	5. Maximum Annual Rate:		6.	Estimated Annual Activity Factor:		
7.	Maximum % Sulfur:	8. Maximum % Ash:		9.	Million Btu per SCC Unit:		
10.	0. Segment Comment: TONS OF LIMESTONE STORED						
	Is this a valid segment? Yes						

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?				
PM				Yes				
PM10				Yes				

# 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: PM - Particulate Matter - Total	2. Total P	erce	ent E	ffici	iency of Control:
3.	Potential Emissions: .05 lb/hour .22 to	ons/year	4.	Syr Lin	nthen nited Yes	tically d? s I No
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year				
6.	Emission Factor: 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	n Period: To:
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Projecto □ 5 y	ed N vears	Aonit s	torir	ng Period:
10.	Calculation of Emissions:					
11.	Pollutant Potential, Fugitive, and Actual Emissi 2.500	ons Comme	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.

Allo	Illowable 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.	Allowable Emissions and Units: .05 POUNDS/HOUR	4. Equivalent Allowable Emissions: .05 lb/hour.22 tons/y					
5.	Method of Compliance:						
6.	Allowable Emissions Comment (Description of	f Op	erating Method):				

# 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:	2. Total Percent Efficiency of Control:				
	PM10 - Particulate Matter - PM10					
3.	Potential Emissions: lb/hour to	tons/year 4. Synthetically Limited?				llly □ No
5.	Range of Estimated Fugitive Emissions (as app	olicable):				
	to to	ons/year				
6.	Emission Factor:				7. E	missions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	-mo	nth Pe	riod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed M	onit	oring l	Period:
	tons/year	□ 5 y	ears			$\square$ 10 years
10.	Calculation of Emissions:					
11.	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.

## 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 1					
1.	Visible Emissions Subtype: VE05 - VISIBLE EMISSIONS - 5% NORMAL OPACITY	<ul><li>2. Basis for Allowable Opacity:</li><li>□ Rule</li></ul>				
3.	3. Allowable Opacity:         Normal Conditions: 5%       Exceptional Conditions: %         Maximum Period of Excess Opacity Allowed:       min/hour					
4.	Method of Compliance:					
5.	Visible Emissions Comment: PSD-FL-040					

#### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

	I. EMISSIONS UNIT ADDITIONAL INFO	RMATION
<b>Add</b> 1.	<b>litional Requirements for All Applications, Except as Otherwise</b> Process Flow Diagram (Required for all permit applications, except revision applications if this information was submitted to the depart years and would not be altered as a result of the revision being soug	Stated Title V air operation permit ment within the previous five (ht)
	□ Applicable □ Previously Submitted, Date:	□ Attachment
2.	Fuel Analysis or Specification (Required for all permit applications permit revision applications if this information was submitted to the previous five years and would not be altered as a result of the revisi □ Applicable □ Previously Submitted, Date:	, except Title V air operation e department within the on being sought)
3.	Detailed Description of Control Equipment (Required for all permit air operation permit revision applications if this information was su within the previous five years and would not be altered as a result o □ Applicable □ Previously Submitted, Date:	applications, except Title V bmitted to the department f the revision being sought) Attachment
4.	Procedures for Startup and Shutdown (Required for all operation per V air operation permit revision applications if this information was within the previous five years and would not be altered as a result o □ Applicable □ Previously Submitted, Date:	ermit applications, except Title submitted to the department f the revision being sought)
5.	Operation and Maintenance Plan (Required for all permit application permit revision applications if this information was submitted to the previous five years and would not be altered as a result of the revisi	ons, except Title V air operation e department within the on being sought)
6.	Compliance Demonstration Reports/Records <ul> <li>Applicable</li> <li>Previously Submitted, Date:</li> <li>To Be Submitted, Date (if known):</li> </ul> Previously Submitted Test Date(s)/Pollutants Tested: To be Submitted Test Date(s)/Pollutants Tested: Note: For FESOP applications, all required compliance demonstration submitted at the time of application. For Title V air operation permisered at the submitted at the submitted at the submitted of the submitted at the submitted of the submitted at the submitted a	☐ Attachment
	compliance plan must be submitted at the time of application.	time of appreation, of a
7.	Other Information Required by Rule or Statute Applicable	□ 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)	
	Alternative wodes of Operation (Emissions Trading)	

#### Additional Requirements for Air Construction Permit Applications

1.	Control Technology Review and Analysis (Rules 62-212.400(10) CFR 63.43(d) and (e))	and 62-212.500(7), F.A.C.; 40
	□ Applicable	□ Attachment
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.4 212.500(4)(f), F.A.C.)	00(4)(d), F.A.C., and Rule 62-
		□ Attachment
3.	Description of Stack Sampling Facilities (Required for proposed r only)	new stack sampling facilities
		□ Attachment
Oth	er Information Regarding this Emissions Unit	
1.	Other Emissions Unit Information	

Applicable 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 tion Parmit Emissions Unit Classification

# **<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.
  - $\Box$  The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

## **Emissions Unit Description and Status**

1.	Type of Emissions Unit Addressed in this Section: (Check one)					
	<ul> <li>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).</li> </ul>					
	☐ This Emissions process or produ (stack or vent) b	Unit Information Section a uction units and activities w out may also produce fugitiv	ddresses, as a single emis which has at least one defi ve emissions.	sions unit, a group of nable emission point		
	☐ This Emissions process or produ	Unit Information Section a uction units and activities w	ddresses, as a single emis which produce fugitive em	sions unit, one or more hissions only.		
2.	Description of Emiss Limestone Silo B wi	sions Unit Addressed in thi ith 2 Baghouses	s Section:			
3.	Emissions Unit Iden	tification Number: 13				
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	<ul> <li>7. Emissions Unit Major Group SIC Code: 49</li> </ul>		
8.	Federal Program App	oplicability: (Check all that	apply)			
	□ Acid Rain Unit					
9.	Package Unit Model Number: Manufacturer:					
10.	Generator Nameplate	te Rating: MW				
11.	Emissions Unit Com	nment:				

### **Emissions Unit Control Equipment**

No Control Equipment information submitted.

#### **B. EMISSIONS UNIT CAPACITY INFORMATION** (Optional for unregulated emissions units.) Emissions Unit Operating Capacity and Schedule

	issions enne operating eupacity and	i seneuule			
1.	Maximum Process or Throughput Ra	ate:			
2.	Maximum Production Rate:				
3.	. Maximum Heat Input Rate: million Btu/hr				
4.	Maximum Incineration Rate:	pounds/hr			
		tons/day			
5.	Requested Maximum Operating School	edule:			
		24 hours/day	7 days/week		
		52 weeks/year	8760 hours/year		
6.	Operating Capacity/Schedule Comm	ent:			

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

Emi	mission Point Description and Type					
1.	Identification of Point on Plot Plan or Flow Diagram:		<ol> <li>Emission Point Type Code:</li> <li>1 - A single emission point serving a single emissions unit</li> </ol>			
3.	3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:					
4.	4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:					
5.	Discharge Type Code:	<ol> <li>Stack Height: 101 feet</li> </ol>			<ul><li>7. Exit Diameter:</li><li>.5 feet</li></ul>	
8.	Exit Temperature: 150° F	<ul> <li>9. Actual Volumetric Flow Rate: 552 acfm</li> </ul>		ow	10. Water Vapor: %	
11.	. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: feet			
13.	<ul> <li>B. Emission Point UTM Coordinates</li> <li>Zone: East (km): North (km):</li> </ul>		14. Emission Point Latitude/Longitude Latitude: Longitude:			
15.	Emission Point Comment:					

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

Seg	ment Description and Rate:	Segment 1 of 1	,			
1.	. Segment Description (Process/Fuel Type):					
2.	2. Source Classification Code (SCC):       3. SCC Units:         30510205       Tons Material Processed					
4.	Maximum Hourly Rate:	5. Maximum Annual Rate:		6.	Estimated Annual Activity Factor:	
7.	Maximum % Sulfur:	8. Maximum % Ash:			Million Btu per SCC Unit:	
10.	0. Segment Comment: TONS OF LIMESTONE STORED					
	Is this a valid segment? Yes					

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
PM				Yes
PM10				Yes

#### 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: PM - Particulate Matter - Total	2. Total Percent Efficiency of Control:			
3.	Potential Emissions: .05 lb/hour .2 to	ons/year	4. Syr Lin	nthetically nited? Yes	🗆 No
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year			
6.	Emission Factor: Reference:			7. Emis (2) C USE BAL KNC PRO	SSIONS Method Code: CALCULATED BY OF MATERIAL ANCE AND OWLEDGE OF THE CESS.
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-mo	onth Perio T	d: o:
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Project □ 5 y	ed Moni ears	toring Per	iod: 10 years
10.	Calculation of Emissions:				
11.	Pollutant Potential, Fugitive, and Actual Emissi 2.500	ons Comme	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.

Allo	Ilowable Emissions 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.	Allowable Emissions and Units: POUNDS/HOUR	4. Equivalent Allowable Emissions: .05 lb/hour.22 tons/ye					
5.	5. Method of Compliance:						
6.	Allowable Emissions Comment (Description of Operating Method): PSD-FL-040; PA 79-12; and, Chapter 1-3.52, Rules of the EPC						

# 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:	2. Total Percent Efficiency of Control:				
	PM10 - Particulate Matter - PM10					
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lim	thetica iited? Yes	llly □ No
5.	Range of Estimated Fugitive Emissions (as app	olicable):				
	to to	ons/year				
6.	Emission Factor:				7. E	missions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	-mo	nth Pe	riod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed M	onit	oring l	Period:
	tons/year	□ 5 y	ears			$\square$ 10 years
10.	Calculation of Emissions:					
11.	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.

## 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 1				
1.	Visible Emissions Subtype: VE05 - VISIBLE EMISSIONS - 5% NORMAL OPACITY	<ul><li>2. Basis for Allowable Opacity:</li><li>□ Rule <ul><li>☑ Other</li></ul></li></ul>			
3.	3. Allowable Opacity:         Normal Conditions: 5%       Exceptional Conditions: %         Maximum Period of Excess Opacity Allowed:       min/hour				
4.	4. Method of Compliance:				
5.	Visible Emissions Comment: PSD-FL-040.				

#### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

I. EMISSIONS UNIT ADDITIONAL INFORMATION				
<b>Add</b> 1.	ditional Requirements for All Applications, Except as Otherwise Stated Process Flow Diagram (Required for all permit applications, except Title V air operation permission applications if this information was submitted to the department within the previous years and would not be altered as a result of the revision being sought)			
	Applicable Previously Submitted, Date:	Attachment		
2.	Fuel Analysis or Specification (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)			
3.	Detailed Description of Control Equipment (Required for all permit air operation permit revision applications if this information was su within the previous five years and would not be altered as a result o □ Applicable □ Previously Submitted, Date:	t applications, except Title V bmitted to the department f the revision being sought) Attachment		
4.	Procedures for Startup and Shutdown (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) □ Applicable □ Previously Submitted, Date: □ Attachment			
5.	Operation and Maintenance Plan (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Applicable Previously Submitted, Date:			
6.	Compliance Demonstration Reports/Records <ul> <li>Applicable</li> <li>Previously Submitted, Date:</li> <li>To Be Submitted, Date (if known):</li> </ul> Previously Submitted Test Date(s)/Pollutants Tested: To be Submitted Test Date(s)/Pollutants Tested:	□ Attachment		
	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		
4.	Alternative Modes of Operation (Emissions Trading)	

#### Additional Requirements for Air Construction Permit Applications

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

Applicable 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 tion Parmit Emissions Unit Classification

# **<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.
  - $\square$  The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

## **Emissions Unit Description and Status**

1.	<ul> <li>Type of Emissions Unit Addressed in this Section: (Check one)</li> <li>☑ 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).</li> <li>□ This Emissions Unit Information Section addresses, as a single emissions unit, a group of</li> </ul>					
	<ul> <li>process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.</li> <li>This Emissions Unit Information Section addresses, as a single emissions unit, one or more</li> </ul>					
2.	Description of Emiss Fly Ash Silo No. 3 E	sions Unit Addressed in th Baghouse	is Section:			
3.	Emissions Unit Iden	tification Number: 14				
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	<ul> <li>Emissions Unit Major Group SIC Code: 49</li> </ul>		
8.	<ul> <li>Federal Program Applicability: (Check all that apply)</li> <li>Acid Rain Unit</li> <li>CAIR Unit</li> </ul>					
9.	Package UnitModel Number:Manufacturer:					
10.	Generator Nameplate	e Rating: MW				
11.	Emissions Unit Com B2=TONS/HR OF F	ment: LYASH STORED				

### **Emissions Unit Control Equipment**

No Control Equipment information submitted.

# **B. EMISSIONS UNIT CAPACITY INFORMATION** (Optional for unregulated emissions units.)

## Emissions Unit Operating Capacity and Schedule

1.	Maximum Process or Throughput Rate: 4	5 LB/HR	
2.	Maximum Production Rate:		
3.	Maximum Heat Input Rate: million Btu/h	r	
4.	Maximum Incineration Rate:	pounds/hr tons/day	
5.	Requested Maximum Operating Schedule	:	
		24 hours/day	7 days/week
		52 weeks/year	8736 hours/year
6.	Operating Capacity/Schedule Comment:		

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

Emi	mission Point Description and Type					
1.	Identification of Point on Plot Diagram:	t Plan or Flow	<ul> <li>2. Emission Point Type Code:</li> <li>1 - A single emission point serving a single emissions unit</li> </ul>			
3.	. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:					
4.	. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:					
5.	Discharge Type Code:	<ol> <li>Stack Height 139 feet</li> </ol>	t:	<ul><li>7. Exit Diameter:</li><li>1.6 feet</li></ul>		
8.	Exit Temperature: 140° F	<ul> <li>9. Actual Volumetric Flow Rate: 7200 acfm</li> </ul>		10. Water Vapor: %		
11.	<ol> <li>Maximum Dry Standard Flow Rate: dscfm</li> </ol>		12. Nonstack Emission Point Height: feet			
13.	Emission Point UTM Coordin Zone: East (km) North (km)	nates : :	14. Emission Po I	int Latitude/Longitude Latitude: Longitude:		
15.	Emission Point Comment:					

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

Seg	ment Description and Rate:	Segment 1 of 1				
1.	Segment Description (Proces	s/Fuel Type):				
2.	2. Source Classification Code (SCC):       3. SCC Units:         30510299       Tons Material Processed					
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.	0. Segment Comment: FLYASH SILO LOADING; No process rates are listed in the permit					
	Is this a valid segment? Yes					

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
PM				Yes
PM10				Yes

### 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:	2. Total Percent Efficiency of Control:			
	PM - Particulate Matter - Total				
3.	Potential Emissions: .2 lb/hour 1 to	ons/year	4. Syr Lin □	nthet nitec Yes	ically l? S D No
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year			
6.	Emission Factor: 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 24-mo	onth	Period: To:
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Project □ 5 y	ed Moni ears	torin	ng Period:
10.	Calculation of Emissions:				
11.	Pollutant Potential, Fugitive, and Actual Emissi 2.500	ons Comme	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.

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: .2 POUNDS/HOUR	4.	Equivalent Allowable Emissions: .2 lb/hour .9 tons/year
5.	Method of Compliance:		
6.	Allowable Emissions Comment (Description o PSD-FL-040	f Op	erating Method):

# 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: PM10 - Particulate Matter - PM10	2. Total Percent Efficiency of Control:				
3.	Potential Emissions: lb/hour te	ons/year	4.	Syn Lin	ithetica nited? Yes	ally □ No
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year				
6.	Emission Factor:				7. E	missions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Pe	eriod: To:
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N ears	Aonit	toring	Period:
10.	Calculation of Emissions:					
11.	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.

## 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 1				
1.	Visible Emissions Subtype: VE05 - VISIBLE EMISSIONS - 5% NORMAL OPACITY	<ol> <li>Basis for Allowa</li> <li>□ Rule</li> </ol>	able Opacity: Other		
3.	Allowable Opacity: Normal Conditions: 5% Exception Maximum Period of Excess Opacity Allowed:	ptional Conditions:	% min/hour		
4.	Method of Compliance: EPA ALTERNATE METHOD 1, EPA METH	OD 9, EPA METHOI	0 22		
5.	Visible Emissions Comment: PA 79-12; and, Chapter 1-3.52, Rules of the El	2C			

### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

Add	I. EMISSIONS UNIT ADDITIONAL INFOR litional Requirements for All Applications, Except as Otherwise St	RMATION tated			
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	Title V air operation permit nent within the previous five at)			
2.	Fuel Analysis or Specification (Required for all permit applications, permit revision applications if this information was submitted to the previous five years and would not be altered as a result of the revision	except Title V air operation department within the n being sought) Attachment			
3.	Detailed Description of Control Equipment (Required for all permit a air operation permit revision applications if this information was subswithin the previous five years and would not be altered as a result of	applications, except Title V mitted to the department the revision being sought) Attachment			
4.	Procedures for Startup and Shutdown (Required for all operation per 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	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 previous five years and would not be altered as a result of the revisio Applicable	Attachment is, except Title V air operation department within the n being sought)			
6.	Compliance Demonstration Reports/Records <ul> <li>Applicable</li> <li>Previously Submitted, Date:</li> <li>To Be Submitted, Date (if known):</li> </ul> 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 □ Applicable

# 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	
	□ Applicable	□ Attachment
4.	Applicable     Alternative Modes of Operation (Emissions Trading)	☐ Attachment

### Additional Requirements for Air Construction Permit Applications

-	· · · · · · · · · · · · · · · · · · ·	
1.	Control Technology Review and Analysis (Rules 62-212.400(10) an CFR 63.43(d) and (e))	d 62-212.500(7), F.A.C.; 40
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.400 212.500(4)(f), F.A.C.)	(4)(d), F.A.C., and Rule 62-
3.	<ul> <li>Description of Stack Sampling Facilities (Required for proposed new only)</li> <li>Applicable</li> </ul>	v stack sampling facilities
Oth	er Information Regarding this Emissions Unit	
1.	Other Emissions Unit Information	

Applicable 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 tion Parmit Emissions Unit Classification

## **<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.
  - $\Box$  The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

## **Emissions Unit Description and Status**

1.	Type of Emissions Unit Addressed in this Section: (Check one)				
	This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).				
	□ This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.				
	☐ This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.				
2.	Description of Emissions Unit Addressed in this Section: Unit No. 1 Coal Bunker with Roto-Clone				
3.	Emissions Unit Iden	tification Number: 15			
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	<ul> <li>7. Emissions Unit Major Group SIC Code: 49</li> </ul>	
8.	Federal Program App□Acid Rain Unit□CAIR Unit	plicability: (Check all that	apply)		
9.	Package Unit Manufacturer:		Model Number:		
10.	Generator Nameplate	e Rating: MW			
11.	Emissions Unit Com	ment:			

### **Emissions Unit Control Equipment**

Code	Equipment	Description
75	SINGLE CYCLONE DEVICES	
113	ROTOCLONE	

# **B. EMISSIONS UNIT CAPACITY INFORMATION** (Optional for unregulated emissions units.)

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

1.	Maximum Process or Throughput Rate: 4000	Э ТРН	
2.	Maximum Production Rate:		
3.	Maximum Heat Input Rate: million Btu/hr		
4.	Maximum Incineration Rate:	pounds/hr	
		tons/day	
5.	Requested Maximum Operating Schedule:		
		hours/day	days/week
		weeks/year	4167 hours/year
6.	Operating Capacity/Schedule Comment:		

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

Emi	ssion Point Description and '	<u>Гуре</u>			
1.	Identification of Point on Plot Diagram:	t Plan or Flow	<ol> <li>Emission Point Type Code:</li> <li>1 - A single emission point serving a single emissions unit</li> </ol>		
3.	. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:				
4.	4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:				
5.	Discharge Type Code:	<ol> <li>Stack Height: 179 feet</li> </ol>		<ul><li>7. Exit Diameter:</li><li>1.7 feet</li></ul>	
8.	Exit Temperature: 78° F	<ul> <li>9. Actual Volumetric Flow Rate: 9400 acfm</li> </ul>		10. Water Vapor: %	
11.	<ol> <li>Maximum Dry Standard Flow Rate: 9142 dscfm</li> </ol>		12. Nonstack Emission Point Height: feet		
13.	Emission Point UTM Coordin Zone: 17 East (km) North (km)	nates : 361.9 : 3075	14. Emission Point Latitude/Longitude Latitude: 27° 47' 38" N Longitude: 82° 24' 57" W		
15.	Emission Point Comment:		-		

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

Segi	ment Description and Rate:	Segment 1 of 1			
1.	Segment Description (Proces	s/Fuel Type):			
2.	Source Classification Code (SCC): 30510203		3. SCC Units: Tons Material Processed		
4.	Maximum Hourly Rate: 4000	5. Maximum Annual Rate:		6. Estimated Annual Activity Factor:	
7.	Maximum % Sulfur:	8. Maximum %	% Ash:	9. Million Btu per SCC Unit:	
10.	10. Segment Comment:				
	Is this a valid segment? Yes				

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
PM	SINGLE CYCLONE DEVICES			Yes
PM10				Yes

# 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:	2. Total P	ercent E	Efficie	ency of Control:
	PM - Particulate Matter - Total	75			
3.	Potential Emissions: .48 lb/hour .99 to	ons/year	4. Sy Lin	ntheti nited Yes	ically ? □ No
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year				
6.	Emission Factor: 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 24-m	onth	Period: To:
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Projecto □ 5 y	ed Moni ears	itorin	g Period:
10.	10. Calculation of Emissions:				
11.	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.

Allowable Emissions 1 of 1 Basis for Allowable Emissions Code: 2. Future Effective Date of Allowable 1. Emissions: (ESCRACT) allow facility to escape RACT requirements Allowable Emissions and Units: 4. 3. Equivalent Allowable Emissions: .48 POUNDS/HOUR .48 lb/hour .999 tons/year Method of Compliance: 5. Annual opacity test Allowable Emissions Comment (Description of Operating Method): 6.

# 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:	2. Total P	ercen	nt Ef	ficien	cy of Control:
	PM10 - Particulate Matter - PM10					
3.	Potential Emissions: lb/hour to	ons/year 4. Synthetically Limited?		llly □ No		
5.	Range of Estimated Fugitive Emissions (as app	olicable):				
	to to	ons/year				
6.	Emission Factor:				7. E	missions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	-mo	nth Pe	riod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed M	onit	oring l	Period:
	tons/year	□ 5 y	ears			$\square$ 10 years
10.	Calculation of Emissions:					
11.	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.

## 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 1				
1.	Visible Emissions Subtype: VE05 - VISIBLE EMISSIONS - 5% NORMAL OPACITY	<ol> <li>Basis for Allowa</li> <li>✓ Rule</li> </ol>	able Opacity:		
3.	Allowable Opacity: Normal Conditions: 20% Excep Maximum Period of Excess Opacity Allowed:	ptional Conditions:	% min/hour		
4.	Method of Compliance:				
5.	Visible Emissions Comment: Rule 62-297.620(4), F.A.C.				

### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

Ado	I. EMISSIONS UNIT ADDITIONAL INFORM ditional Requirements for All Applications, Except as Otherwise Sta	MATION nted
1.	Process Flow Diagram (Required for all permit applications, except Trevision applications if this information was submitted to the department years and would not be altered as a result of the revision being sought)	itle V air operation permit ent within the previous five
	□ Applicable □ Previously Submitted, Date:	Attachment
2.	Fuel Analysis or Specification (Required for all permit applications, expermit revision applications if this information was submitted to the deprevious five years and would not be altered as a result of the revision	xcept Title V air operation epartment within the being sought)
	□ Applicable □ Previously Submitted, Date:	□ Attachment
3.	Detailed Description of Control Equipment (Required for all permit and 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	pplications, except Title V nitted to the department he revision being sought)
	□ Applicable □ Previously Submitted, Date:	Attachment
4.	Procedures for Startup and Shutdown (Required for all operation perm V air operation permit revision applications if this information was sul within the previous five years and would not be altered as a result of th Applicable	hit applications, except Title bmitted to the department he revision being sought) Attachment
5.	Operation and Maintenance Plan (Required for all permit applications permit revision applications if this information was submitted to the de previous five years and would not be altered as a result of the revision	, except Title V air operation epartment within the being sought) Attachment
6.	Compliance Demonstration Reports/Records	
	□ Applicable □ Previously Submitted, Date:	☐ Attachment
	☐ 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 submitted at the time of application. For Title V air operation permit a compliance demonstration reports/records must be submitted at the time compliance plan must be submitted at the time of application.	records/reports must be pplications, all required ne of application, or a
7.	Other Information Required by Rule or Statute	

□ Applicable

□ 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)	
	Alternative wodes of Operation (Emissions Trading)	

### Additional Requirements for Air Construction Permit Applications

	<u>4</u>				
1.	ntrol Technology Review and Analysis (Rules 62-212.400(10) and 62-212.500(7), F.A.C.; 40 TR 63.43(d) and (e))				
	□ Applicable	□ Attachment			
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212 212.500(4)(f), F.A.C.)	bd Engineering Practice Stack Height Analysis (Rule 62-212.400(4)(d), F.A.C., and Rule 62500(4)(f), F.A.C.)			
		□ Attachment			
3.	Description of Stack Sampling Facilities (Required for proposed new stack sampling facilities only)				
	□ Applicable	□ Attachment			
Other Information Regarding this Emissions Unit					
1.	Other Emissions Unit Information				
I					

☐ Applicable ☐ 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 tion Parmit Emissions Unit Classification

# **<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.
  - □ The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

### **Emissions Unit Description and Status**

1.	Type of Emissions Unit Addressed in this Section: (Check one)					
	<ul> <li>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).</li> </ul>					
	□ This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.					
	☐ This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.					
2.	Description of Emissions Unit Addressed in this Section: Unit No. 2 Coal Bunker with Roto-Clone					
3.	Emissions Unit Identification Number: 16					
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	<ul> <li>Emissions Unit Major Group SIC Code: 49</li> </ul>		
8.	<ul> <li>Federal Program Applicability: (Check all that apply)</li> <li>Acid Rain Unit</li> <li>CAIR Unit</li> </ul>					
9.	Package Unit Model Number: Manufacturer:					
10.	Generator Nameplate	Generator Nameplate Rating: MW				
11.	Emissions Unit Comment:					

### **Emissions Unit Control Equipment**

Code Equipment Description	
75 SINGLE CYCLONE DEVICES	
113 ROTOCLONE	

# **B. EMISSIONS UNIT CAPACITY INFORMATION** (Optional for unregulated emissions units.)

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

1.	Maximum Process or Throughput Rate: 4000 TPH			
2.	Maximum Production Rate:			
3.	Maximum Heat Input Rate: million Btu/hr			
4.	Maximum Incineration Rate:	pounds/hr tons/day		
5.	Requested Maximum Operating Schedule:			
		hours/day	days/week	
		weeks/year	4167 hours/year	
6.	Operating Capacity/Schedule Comment:			
### C. EMISSION POINT (STACK/VENT) INFORMATION (Optional for unregulated emissions units.)

<u>Emi</u>	Emission Point Description and Type						
1.	Identification of Point on Plot Plan or Flow Diagram:		<ul> <li>2. Emission Point Type Code:</li> <li>1 - A single emission point serving a single emissions unit</li> </ul>				
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	on Point in Common:			
5.	Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION	<ol> <li>Stack Heigh 179 feet</li> </ol>	t:	<ul><li>7. Exit Diameter:</li><li>1.7 feet</li></ul>			
8.	Exit Temperature: 78° F	9. Actual Volu Rate: 9400 acfm	metric Flow	10. Water Vapor: %			
11.	<ol> <li>Maximum Dry Standard Flow Rate: 9142 dscfm</li> </ol>		12. Nonstack Emission Point Height: feet				
13.	13. Emission Point UTM CoordinatesZone:17East (km):361.9North (km):3075		14. Emission Point Latitude/Longitude Latitude: 27° 47' 38" N Longitude: 82° 24' 57" W				
15.	Emission Point Comment:						

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

Segi	Segment Description and Rate: Segment 1 of 1						
1.	1. Segment Description (Process/Fuel Type):						
2.	Source Classification Code (S	SCC):	3. SCC Units:				
	30510203		Tons Materi	al Processed			
4.	Maximum Hourly Rate: 4000	5. Maximum Annual Rate: 6. Estimated Annual Activity Factor:					
7.	Maximum % Sulfur:	8. Maximum %	% Ash:	9. Million Btu per SCC Unit:			
10.	10. Segment Comment:						
	Is this a valid segment? Yes						

Yes

PM10

List of Pollutants Emit	list of Pollutants Emitted by Emissions Unit							
1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?				
РМ	SINGLE CYCLONE DEVICES			Yes				

# **E. EMISSIONS UNIT POLLUTANTS**

# 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:	2. Total P	ercent	Effici	iency of	Control:
	PM - Particulate Matter - Total	75				
3.	Potential Emissions: .48 lb/hour .99 to	ons/year	4. Sr	nthe mited Yes	tically d? 5	□ No
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year					
6.	Emission Factor: Reference:			7.	Emiss (2) CA USE C BALA KNOV	ions Method Code: ALCULATED BY DF MATERIAL ANCE AND WLEDGE OF THE
					PROC	ESS.
8.a	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24-n	nonth	Period	
	tons/year	From:			To:	
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Projecto □ 5 y	ed Mor ears	nitorii	ng Perio	od: 10 years
10.	10. Calculation of Emissions:					
11.	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.

Allowable Emissions 1 of 1 Basis for Allowable Emissions Code: 2. Future Effective Date of Allowable 1. Emissions: (ESCRACT) allow facility to escape RACT requirements Allowable Emissions and Units: 4. Equivalent Allowable Emissions: 3. .48 POUNDS/HOUR .48 lb/hour .99 tons/year Method of Compliance: 5. Annual opacity test Allowable Emissions Comment (Description of Operating Method): 6.

# 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:	2. Total Percent Efficiency of Control:			ncy of Control:	
	PM10 - Particulate Matter - PM10					
3.	Potential Emissions: lb/hour to	ons/year	4.	Syntl Limi □ Y	hetic ted? /es	cally
5.	Range of Estimated Fugitive Emissions (as app	licable):				
	to to	ons/year				
6.	Emission Factor:			,	7. I	Emissions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24-	-mor	nth P	eriod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed Mo	onito	oring	Period:
	tons/year	🗆 5 y	ears			$\square$ 10 years
10.	10. Calculation of Emissions:					
11.	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.

## G. VISIBLE EMISSIONS INFORMATION

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

Visi	/isible Emissions Limitation: Visible Emissions Limitation 1 of 1					
1.	Visible Emissions Subtype: VE05 - VISIBLE EMISSIONS - 5% NORMAL OPACITY	<ol> <li>Basis for Allowa</li> <li>✓ Rule</li> </ol>	able Opacity:			
3.	Allowable Opacity:Normal Conditions: 5%ExceptionMaximum Period of Excess Opacity Allowed:	ptional Conditions:	% min/hour			
4.	Method of Compliance: EPA ALTERNATE METHOD 1, EPA METHOD 9, EPA METHOD 22					
5.	5. Visible Emissions Comment:					

#### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

	I. EMISSIONS UNIT ADDITIONAL INFORMATION					
Add	litional Requirements for All Applications, Except as Otherwise Sta	ated				
1.	Process Flow Diagram (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)					
	□ Applicable □ Previously Submitted, Date:	□ Attachment				
2.	Fuel Analysis or Specification (Required for all permit applications, e permit revision applications if this information was submitted to the d previous five years and would not be altered as a result of the revision □ Applicable □ Previously Submitted, Date:	xcept Title V air operation epartment within the being sought)				
3.	Detailed Description of Control Equipment (Required for all permit ap air operation permit revision applications if this information was subm within the previous five years and would not be altered as a result of the Applicable	pplications, except Title V nitted to the department he revision being sought) Attachment				
4.	Procedures for Startup and Shutdown (Required for all operation perm V air operation permit revision applications if this information was su within the previous five years and would not be altered as a result of t □ Applicable □ Previously Submitted, Date:	hit applications, except Title bmitted to the department he revision being sought)				
5.	Operation and Maintenance Plan (Required for all permit applications permit revision applications if this information was submitted to the d previous five years and would not be altered as a result of the revision	, except Title V air operation epartment within the being sought)				
6.	<ul> <li>Compliance Demonstration Reports/Records</li> <li>Applicable</li> <li>Previously Submitted, Date:</li> <li>To Be Submitted, Date (if known):</li> <li>Previously Submitted Test Date(s)/Pollutants Tested:</li> <li>To be Submitted Test Date(s)/Pollutants Tested:</li> <li>Note: For FESOP applications, all required compliance demonstration submitted at the time of application. For Title V air operation permit a compliance demonstration reports/records must be submitted at the time of application.</li> </ul>	☐ Attachment n records/reports must be applications, all required ne 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)	
	Alternative wodes of Operation (Emissions Trading)	

#### Additional Requirements for Air Construction Permit Applications

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

Applicable 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 tion Parmit Emissions Unit Classification

# Title V Air Operation Permit Emissions Unit Classification

- 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.
  - $\square$  The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

### **Emissions Unit Description and Status**

1.	Type of Emissions Unit Addressed in this Section: (Check one)						
	This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).						
	□ This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.						
	This Emissions process or produ	Unit Information Section a action units and activities v	addresses, as a single emise which produce fugitive em	sions unit, one or more issions only.			
2.	Description of Emiss Unit No. 3 Coal Bun	sions Unit Addressed in th ker with Roto-Clone	is Section:				
3.	Emissions Unit Ident	tification Number: 17					
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	<ul> <li>Emissions Unit Major Group SIC Code: 49</li> </ul>			
8.	<ul> <li>Federal Program Applicability: (Check all that apply)</li> <li>Acid Rain Unit</li> <li>CAIR Unit</li> </ul>						
9.	Package UnitModel Number:Manufacturer:						
10.	Generator Nameplate	e Rating: MW					
11.	Emissions Unit Com	ment:					

### **Emissions Unit Control Equipment**

Code Equipment Description	
75 SINGLE CYCLONE DEVICES	
113 ROTOCLONE	

# **B. EMISSIONS UNIT CAPACITY INFORMATION** (Optional for unregulated emissions units.)

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

1.	Maximum Process or Throughput Rate: 4000 TPH				
2.	Maximum Production Rate:				
3.	Maximum Heat Input Rate: million Btu/hr				
4.	Maximum Incineration Rate:	pounds/hr tons/day			
5.	Requested Maximum Operating Schedule:				
		hours/day	days/week		
		weeks/year	4167 hours/year		
6.	Operating Capacity/Schedule Comment:				

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

<u>Emi</u>	mission Point Description and Type						
1.	Identification of Point on Plot Plan or Flow Diagram:		<ul> <li>2. Emission Point Type Code:</li> <li>1 - A single emission point serving a single emissions unit</li> </ul>				
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	on Point in Common:			
5.	Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION	<ol> <li>Stack Heigh 179 feet</li> </ol>	t:	<ul><li>7. Exit Diameter:</li><li>1.7 feet</li></ul>			
8.	Exit Temperature: 78° F	9. Actual Volu Rate: 9400 acfm	metric Flow	10. Water Vapor: %			
11.	<ol> <li>Maximum Dry Standard Flow Rate: 9142 dscfm</li> </ol>		12. Nonstack Emission Point Height: feet				
13.	<ul><li>13. Emission Point UTM Coordinates</li><li>Zone: 17 East (km): 361.9 North (km): 3075</li></ul>		14. Emission Po	int Latitude/Longitude Latitude: 27° 47' 38" N Longitude: 82° 24' 57" W			
15.	Emission Point Comment:						

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

Segi	ment Description and Rate:	Segment 1 of 1				
1.	1. Segment Description (Process/Fuel Type):					
2.	2. Source Classification Code (SCC):       3. SCC Units:         30510203       Tons Material Processed					
4.	Maximum Hourly Rate: 4000	5. Maximum Annual Rate:		6. Estimated Annual Activity Factor:		
7.	Maximum % Sulfur:	8. Maximum % Ash:		9. Million Btu per SCC Unit:		
10.	10. Segment Comment:					
	Is this a valid segment? Yes					

list of Pollutants Emitted by Emissions Unit						
1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?		
PM	ROTOCLONE		EL	Yes		
PM10	ROTOCLONE		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:	2. Total Percent Efficiency of Control:				
	PM - Particulate Matter - Total	75				
3.	Potential Emissions: .48 lb/hour .99 to	ons/year	4. S	ynthe imite	tically d? s	☑ No
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year					
6.	Emission Factor: Reference:			7.	Emissio (2) CA USE O BALAI KNOW PROCE	ons Method Code: LCULATED BY F MATERIAL NCE AND /LEDGE OF THE ESS.
8.a	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-r	nonth	Period: To:	
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Mor	nitori	ng Period	l: 10 years
10.	Calculation of Emissions:					
11.	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.

Allowable Emissions 1 of 1 Basis for Allowable Emissions Code: 2. Future Effective Date of Allowable 1. Emissions: (ESCRACT) allow facility to escape RACT requirements Allowable Emissions and Units: 4. Equivalent Allowable Emissions: 3. .48 POUNDS/HOUR .48 lb/hour .99 tons/year Method of Compliance: 5. Annual opacity test Allowable Emissions Comment (Description of Operating Method): 6.

# 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:	2. Total Percent Efficiency of Control:				
	PM10 - Particulate Matter - PM10					
3.	Potential Emissions: lb/hour te	ons/year	4.	Syn Lin	thetic ited? Yes	ally No
5.	Range of Estimated Fugitive Emissions (as app	olicable):				
	to to	ons/year				
6.	Emission Factor:				7. I	Emissions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 24	1-mc	onth P	eriod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed M	Ionit	toring	Period:
	tons/year	🗆 5 y	ears			$\square$ 10 years
10.	Calculation of Emissions:					
11.	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.

## G. VISIBLE EMISSIONS INFORMATION

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

Visi	ble Emissions Limitation: Visible Emissions	Limitation 1 of 1				
1.	Visible Emissions Subtype: VE05 - VISIBLE EMISSIONS - 5% NORMAL OPACITY	<ol> <li>Basis for Allowa</li> <li>✓ Rule</li> </ol>	able Opacity:			
3.	Allowable Opacity:Normal Conditions: 5%ExceptionMaximum Period of Excess Opacity Allowed:	ptional Conditions:	% min/hour			
4.	. Method of Compliance: EPA ALTERNATE METHOD 1, EPA METHOD 9, EPA METHOD 22					
5.	Visible Emissions Comment:					

#### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

A .].	I. EMISSIONS UNIT ADDITIONAL INFOR	MATION
<b>Aut</b> 1.	Process Flow Diagram (Required for all permit applications, except T revision applications if this information was submitted to the departm years and would not be altered as a result of the revision being sought	itle V air operation permit ent within the previous five )
	E la la construction de la const	
2.	permit revision applications if this information was submitted to the d previous five years and would not be altered as a result of the revision	epartment within the being sought)
3.	air operation permit revision applications if this information was subn within the previous five years and would not be altered as a result of t Applicable	he revision being sought)
4.	Procedures for Startup and Shutdown (Required for all operation perm V air operation permit revision applications if this information was su within the previous five years and would not be altered as a result of t $\square$ Applicable $\square$ Previously Submitted, Date:	hit applications, except Title bmitted to the department he revision being sought)
5.	Operation and Maintenance Plan (Required for all permit applications permit revision applications if this information was submitted to the d previous five years and would not be altered as a result of the revision	e, except Title V air operation epartment within the being sought) Attachment
6.	Compliance Demonstration Reports/Records	
	□ Applicable □ Previously Submitted, Date:	□ Attachment
	□ 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 submitted at the time of application. For Title V air operation permit a compliance demonstration reports/records must be submitted at the time compliance plan must be submitted at the time of application.	n records/reports must be applications, all required ne of application, or a
7.	Other Information Required by Rule or Statute	
	□ Applicable	□ 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)	
	Alternative wodes of Operation (Emissions Trading)	

#### Additional Requirements for Air Construction Permit Applications

1.	Control Technology Review and Analysis (Rules 62-212.400(10) CFR 63.43(d) and (e))	and 62-212.500(7), F.A.C.; 40
		□ Attachment
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.4 212.500(4)(f), F.A.C.)	00(4)(d), F.A.C., and Rule 62-
		□ Attachment
3.	Description of Stack Sampling Facilities (Required for proposed r only)	new stack sampling facilities
		□ Attachment
Oth	er Information Regarding this Emissions Unit	
1.	Other Emissions Unit Information	

Applicable 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 tion Parmit Emissions Unit Classification

## Title V Air Operation Permit Emissions Unit Classification

- 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.
  - $\Box$  The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

## **Emissions Unit Description and Status**

1.	<ul> <li>Type of Emissions Unit Addressed in this Section: (Check one)</li> <li>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).</li> <li>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).</li> </ul>					
	process or produ	uction units and activities w	which produce fugitive emi	issions only.		
2.	Description of Emiss Drops from Limestor	sions Unit Addressed in this one Cnvyrs LE, LF, LG & S	s Section: Silo C Feeder wbag			
3.	Emissions Unit Ident	tification Number: 20				
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date: 29-NOV-99	<ul> <li>7. Emissions Unit Major Group SIC Code: 49</li> </ul>		
8.	<ul> <li>Federal Program Applicability: (Check all that apply)</li> <li>Acid Rain Unit</li> <li>CAIR Unit</li> </ul>					
9.	Package UnitModel Number:Manufacturer:					
10.	Generator Nameplate	e Rating: MW				
11.	<ul> <li>Generator Nameplate Rating: MW</li> <li>Emissions Unit Comment: Drops from limestone handling conveyors LE, LF and LG and the silo C belt feeder controlled by a baghouse.</li> </ul>					

### **Emissions Unit Control Equipment**

Code	Equipment	Description
18	FABRIC FILTER LOW TEMPERATURE (T<180F)	Baghouse, American Air Filter, Fabripulse - Model B

# **B. EMISSIONS UNIT CAPACITY INFORMATION** (Optional for unregulated emissions units.)

## Emissions Unit Operating Capacity and Schedule

1.	Maximum Process or Throughput Rate: 168 tons/hour				
2.	Maximum Production Rate:				
3.	Maximum Heat Input Rate: million Btu/h	ır			
4.	Maximum Incineration Rate:	pounds/hr			
		tons/day			
5.	Requested Maximum Operating Schedul	e:			
		24 hours/day	7 days/week		
		52 weeks/year	8760 hours/year		
6.	Operating Capacity/Schedule Comment:				
	Maximum limestone handling rate is 168	TPH			

C. EMISSION POINT (STAC	<b>K/VENT) INFORMATION</b>				
(Optional for unregulated emissions units.)					

Emi	Emission Point Description and Type					
1.	Identification of Point on Plot Plan or Flow Diagram: BAGHOUSE OUTLET		<ul> <li>2. Emission Point Type Code:</li> <li>1 - A single emission point serving a single emissions unit</li> </ul>			
3.	Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:					
4.	ID Numbers or Descriptions of Emission Units with this Emission Point in Common:					
5.	Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION	<ol> <li>Stack Height:</li> <li>10 feet</li> </ol>		<ul><li>7. Exit Diameter:</li><li>1 feet</li></ul>		
8.	Exit Temperature: 77° F	9. Actual Volumetric Flow Rate: acfm		10. Water Vapor: %		
11.	<ol> <li>Maximum Dry Standard Flow Rate: 5890 dscfm</li> </ol>		12. Nonstack Emission Point Height: feet			
13.	<ol> <li>Emission Point UTM Coordinates</li> <li>Zone: East (km): North (km):</li> </ol>		14. Emission Point Latitude/Longitude Latitude: Longitude:			
15.	Emission Point Comment: Emission point is outlet of ba	ghouse.				

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

Segi	ment Description and Rate:	Segment 1 of 1			
1.	Segment Description (Process/Fuel Type): Limestone handling				
2.	Source Classification Code (SCC): 30510105		3. SCC Units: Tons Material Processed		
4.	Maximum Hourly Rate: 168	5. Maximum Annual Rate: 1471680		6. Estimated Annual Activity Factor:	
7.	Maximum % Sulfur:	8. Maximum % Ash:		9. Million Btu per SCC Unit:	
10.	0. Segment Comment: Limestone handling for FGD system				
	Is this a valid segment? Yes				

List of Pollutants Emitted by Emissions Unit						
1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?		
РМ	FABRIC FILTER LOW TEMPERATURE (T<180F)		EL	Yes		
PM10			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:	2. Total Percent Efficiency of Control:			
	PM - Particulate Matter - Total				
3.	Potential Emissions: 1.08 lb/hour 4.7 te	ons/year	4. Syr Lin	nthet nited Yes	ically l? No
5.	. Range of Estimated Fugitive Emissions (as applicable): to tons/year				
6.	Emission Factor: .05 OTHER (SPECIFY IN COMMENT) Reference: NSPS Limit			7.	Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST- CASE ALLOWABLE EMISSION.
8.a.	Baseline Actual Emissions (if required):	8.b. Baseline 24-month Period:			
	tons/year	From:			To:
9.a.	Projected Actual Emissions (if required):	9.b. Projected Monitoring Period:			
	tons/year	🗆 🗆 5 y	ears		$\square$ 10 years
10.	Calculation of Emissions: Emission factor times air flow rate				
11.	1. Pollutant Potential, Fugitive, and Actual Emissions Comment: Emission factor is 0.05 g/dscm. Potential emissions based on NSPS limit.				
# 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: .03 OTHER (SPECIFY IN COMMENT)	4.	Equivalent Allowable Emissions: 1.08 lb/hour 4.7 tons/year		
5.	Method of Compliance: Initial test required by NSPS, then VE in lieu of stack test				
6.	Allowable Emissions Comment (Description o 0.03 g/dscm. State limit for PM is more stringe to waive initial test and substitute VE test inste	f Op ent tl ead.	erating Method): nan NSPS limit. Applicant may petition to EPA		

#### 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 Allow Emissions:	vable	
3.	Allowable Emissions and Units: .03 GRAINS PER DRY STANDARD CUBIC FOOT	4.	Equivalent Allowable Emissio 2.1 lb/hour	ons: 9.2 tons/year	
5.	Method of Compliance: Initial test required, then VE in lieu of stack test.				
6.	Allowable Emissions Comment (Description o	f Op	erating Method):		

# 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:	2. Total Percent Efficiency of Control:			icy of Control:	
	PM10 - Particulate Matter - PM10					
3.	Potential Emissions: lb/hour te	ons/year	4.	Synt Lim	thetic ited? Yes	ally □ No
5.	Range of Estimated Fugitive Emissions (as app	licable):				
	to to	ons/year				
6.	Emission Factor:				7. E	Emissions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	l-mo	nth P	eriod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed M	lonite	oring	Period:
	tons/year	🗆 5 y	ears			$\square$ 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.

No Pollutant Allowable Emissions information submitted.

## G. VISIBLE EMISSIONS INFORMATION

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

Visi	ble Emissions Limitation: Visible Emissions	Lin	nitation 1 of 2	
1.	Visible Emissions Subtype: VE05 - VISIBLE EMISSIONS - 5% NORMAL OPACITY	2.	Basis for Allow ☑ Rule	able Opacity:
3.	Allowable Opacity: Normal Conditions: 5% Excep Maximum Period of Excess Opacity Allowed:	otion	nal Conditions:	% min/hour
4.	Method of Compliance:			
5.	Visible Emissions Comment: VE in lieu of PM test, after initial PM test			

#### **<u>Visible Emissions Limitation:</u>** Visible Emissions Limitation 2 of 2

1.	Visible Emissions Subtype: VE07 - VISIBLE EMISSIONS - 7% NORMAL OPACITY	2.	Basis for Allowa ☑ Rule	ble Opacity:
3.	Allowable Opacity: Normal Conditions: 7% Excep Maximum Period of Excess Opacity Allowed:	otior	al Conditions:	% min/hour
4.	Method of Compliance:			
5.	Visible Emissions Comment: Limit of NSPS, state rule more stringent			

#### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

	I. EMISSIONS UNIT ADDITIONAL INFORM	IATION
<b>Add</b> 1.	Process Flow Diagram (Required for all permit applications, except Tit revision applications if this information was submitted to the department years and would not be altered as a result of the revision being sought)	ted tle V air operation permit nt within the previous five
2.	Fuel Analysis or Specification (Required for all permit applications, expermit revision applications if this information was submitted to the de previous five years and would not be altered as a result of the revision Applicable Previously Submitted, Date:	cept Title V air operation partment within the being sought)
3.	Detailed Description of Control Equipment (Required for all permit ap 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	plications, except Title V itted to the department e revision being sought) Attachment
4.	Procedures for Startup and Shutdown (Required for all operation permit V air operation permit revision applications if this information was sub within the previous five years and would not be altered as a result of th □ Applicable □ Previously Submitted, Date:	it applications, except Title mitted to the department e revision being sought)
5.	Operation and Maintenance Plan (Required for all permit applications, permit revision applications if this information was submitted to the de previous five years and would not be altered as a result of the revision Applicable Previously Submitted, Date:	except Title V air operation partment within the being sought)
6.	Compliance Demonstration Reports/Records <ul> <li>Applicable</li> <li>Previously Submitted, Date:</li> <li>To Be Submitted, Date (if known):</li> </ul> <li>Previously Submitted Test Date(s)/Pollutants Tested:</li> <li>To be Submitted Test Date(s)/Pollutants Tested:</li> <li>Note: For FESOP applications, all required compliance demonstration</li>	☐ Attachment records/reports must be
	submitted at the time of application. For Title V air operation permit ap compliance demonstration reports/records must be submitted at the time compliance plan must be submitted at the time of application.	oplications, all required e of application, or a
7.	Other Information Required by Rule or Statute Applicable	□ 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)	
	Alternative wodes of Operation (Emissions Trading)	

#### Additional Requirements for Air Construction Permit Applications

1.	Control Technology Review and Analysis (Rules 62-212.400(10) CFR 63.43(d) and (e))	and 62-212.500(7), F.A.C.; 40
	□ Applicable	□ Attachment
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.4 212.500(4)(f), F.A.C.)	00(4)(d), F.A.C., and Rule 62-
		□ Attachment
3.	Description of Stack Sampling Facilities (Required for proposed r only)	new stack sampling facilities
		□ Attachment
Oth	er Information Regarding this Emissions Unit	
1.	Other Emissions Unit Information	

☐ Applicable ☐ 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 tion Parmit Emissions Unit Classification

## **<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.
  - $\square$  The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

### **Emissions Unit Description and Status**

1.	Type of Emissions U	Init Addressed in this Sect	ion: (Check one)		
	<ul> <li>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).</li> <li>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).</li> <li>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.</li> <li>This Emissions Unit Information Section addresses as a single emissions unit, one or more</li> </ul>				
	process or produ	ction units and activities v	which produce fugitive em	issions only.	
2.	Description of Emissions Unit Addressed in this Section: Silo C with one Baghouse				
3.	Emissions Unit Ident	tification Number: 21			
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	<ul> <li>Emissions Unit Major Group SIC Code: 49</li> </ul>	
8.	Federal Program App ☐ Acid Rain Unit ☐ CAIR Unit	plicability: (Check all that	apply)		
9.	Package Unit Manufacturer:		Model Number:		
10.	Generator Nameplate	e Rating: MW			
11.	Emissions Unit Com Silo C with one bagh	ment: nouse			

### **Emissions Unit Control Equipment**

Code	Equipment	Description
18	FABRIC FILTER LOW TEMPERATURE (T<180F)	Griffin Environmental 36-LS Filter Vent

# **B. EMISSIONS UNIT CAPACITY INFORMATION** (Optional for unregulated emissions units.)

## Emissions Unit Operating Capacity and Schedule

1.	Maximum Process or Throughput Rate: 1	68 tons/hour	
2.	Maximum Production Rate:		
3.	Maximum Heat Input Rate: million Btu/h	ır	
4.	Maximum Incineration Rate:	pounds/hr	
		tons/day	
5.	Requested Maximum Operating Schedul	e:	
		24 hours/day	7 days/week
		52 weeks/year	8760 hours/year
6.	Operating Capacity/Schedule Comment:		
	Maximum limestone handling rate is 168	TPH	

C. EMISSION POINT (ST	ACK/VENT) INFORMATIO	Ν			
(Optional for unregulated emissions units.)					

Emi	ssion Point Description and	<u>Type</u>		
1.	Identification of Point on Plot Plan or Flow Diagram: BAGHOUSE OUTLET		<ol> <li>Emission Point Type Code:</li> <li>1 - A single emission point serving a single emissions unit</li> </ol>	
3.	Descriptions of Emission Poi	nts Comprising th	is Emissions Unit	for VE Tracking:
4.	ID Numbers or Descriptions	of Emission Units	with this Emissio	on Point in Common:
5.	Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION	<ul><li>6. Stack Height:</li><li>10 feet</li></ul>		<ul><li>7. Exit Diameter:</li><li>1 feet</li></ul>
8.	Exit Temperature: 77° F	9. Actual Volumetric Flow Rate: acfm		10. Water Vapor: %
11.	. Maximum Dry Standard Flow Rate: 500 dscfm		12. Nonstack Emission Point Height: feet	
13.	<ol> <li>Emission Point UTM Coordinates</li> <li>Zone: East (km): North (km):</li> </ol>		14. Emission Po	int Latitude/Longitude Latitude: Longitude:
15.	Emission Point Comment: Emission point is outlet of ba	ghouse.		

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

Segi	Segment Description and Rate: Segment 1 of 1					
1.	. Segment Description (Process/Fuel Type):					
2.	2. Source Classification Code (SCC):       3. SCC Units:         30510205       Tons Material Processed					
4.	Maximum Hourly Rate:	5. Maximum Annual Rate:		6. Estimated Annual Activity Factor:		
7.	Maximum % Sulfur:	8. Maximum %	% Ash:	9. Million Btu per SCC Unit:		
10.	10. Segment Comment:					
	Is this a valid segment? Yes					

list of Pollutants Emitted by Emissions Unit								
1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?				
РМ	FABRIC FILTER LOW TEMPERATURE (T<180F)		EL	Yes				
PM10			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: PM - Particulate Matter - Total	2. Total P	erce	ent E	ffici	ency of Control:
3.	Potential Emissions: .13 lb/hour .6 t	ons/year	4.	Syn Lir	nthet nitec Yes	tically 1? 5
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year				
6.	Emission Factor: .03 GRAINS/DSCF Reference: PERMIT LIMIT				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-m	onth	Period: To:
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Projectø □ 5 y	ed N vears	/loni	torir	ng Period:
10.	Calculation of Emissions: Emission factor times air flow rate					
11.	<ol> <li>Pollutant Potential, Fugitive, and Actual Emissions Comment: Potential emissions based on state rule</li> </ol>					

# 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: .03 GRAINS PER DRY STANDARD CUBIC FOOT	4.	Equivalent Allowable Emissions: 2.1 lb/hour 9.2 tons/year				
5.	Method of Compliance: VE in lieu of stack test						
6.	Allowable Emissions Comment (Description o	f Op	erating Method):				

# 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:	2. Total Percent Efficiency of Control:				cy of Control:
	PM10 - Particulate Matter - PM10					
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lim	thetica iited? Yes	llly □ No
5.	Range of Estimated Fugitive Emissions (as app	olicable):				
	to to	ons/year				
6.	Emission Factor:				7. E	missions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	-mo	nth Pe	riod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed M	onit	oring l	Period:
	tons/year	□ 5 y	ears			$\square$ 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.

## G. VISIBLE EMISSIONS INFORMATION

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

Visi	<b><u>'isible Emissions Limitation:</u></b> Visible Emissions Limitation 1 of 2					
1.	Visible Emissions Subtype: VE05 - VISIBLE EMISSIONS - 5% NORMAL OPACITY	2. 1	Basis for Allowa ☑ Rule	ble Opacity:		
3.	Allowable Opacity: Normal Conditions: 5% Excep Maximum Period of Excess Opacity Allowed:	otiona	1 Conditions:	% min/hour		
4.	Method of Compliance:					
5.	Visible Emissions Comment: VE in lieu of PM test					

#### **<u>Visible Emissions Limitation:</u>** Visible Emissions Limitation 2 of 2

1.	Visible Emissions Subtype: VE07 - VISIBLE EMISSIONS - 7%	2.	Basis for Allowal ☑ Rule	ble Opacity:	
3.	Allowable Opacity: Normal Conditions: 7% Excep Maximum Period of Excess Opacity Allowed:	otion	al Conditions:	% min/hour	
4.	. Method of Compliance:				
5.	Visible Emissions Comment: Limit of NSPS, state rule more stringent				

#### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

Add	I. EMISSIONS UNIT ADDITIONAL INFOR litional Requirements for All Applications, Except as Otherwise St	RMATION tated
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	Title V air operation permit nent within the previous five t)
	□ Applicable □ Previously Submitted, Date:	☐ Attachment
2.	Fuel Analysis or Specification (Required for all permit applications, permit revision applications if this information was submitted to the previous 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 subt 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) Attachment
4.	Procedures for Startup and Shutdown (Required for all operation per 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 previous five years and would not be altered as a result of the revision Applicable	s, except Title V air operation department within the n being sought)
6.	Compliance Demonstration Reports/Records	
	<ul> <li>□ Applicable</li> <li>□ Previously Submitted, Date:</li> <li>□ To Be Submitted, Date (if known):</li> <li>Previously Submitted Test Date(s)/Pollutants Tested:</li> </ul>	□ Attachment
	To be Submitted Test Date(s)/Pollutants Tested:	
	Note: For FESOP applications, all required compliance demonstration submitted at the time of application. For Title V air operation permit compliance demonstration reports/records must be submitted at the ti- compliance plan must be submitted at the time of application.	n records/reports must be applications, all required me of application, or a
7.	Other Information Required by Rule or Statute Applicable	☐ 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)	
	Alternative wodes of Operation (Emissions Trading)	

#### Additional Requirements for Air Construction Permit Applications

	<u> </u>	
1.	Control Technology Review and Analysis (Rules 62-212.400(10) a CFR 63.43(d) and (e))	nd 62-212.500(7), F.A.C.; 40
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.40 212.500(4)(f), F.A.C.)	0(4)(d), F.A.C., and Rule 62-
3.	Description of Stack Sampling Facilities (Required for proposed ne only)	w stack sampling facilities
Oth	ner Information Regarding this Emissions Unit	
1.	Other Emissions Unit Information	□ Attachment

Applicable 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 tion Parmit Emissions Unit Classification

## **<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.
  - $\square$  The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

### **Emissions Unit Description and Status**

1.	<ul> <li>Type of Emissions Unit Addressed in this Section: (Check one)</li> <li>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).</li> <li>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</li> </ul>					
	(stack or vent) b ☐ This Emissions process or produ	out may also produce fugiti Unit Information Section a action units and activities w	ve emissions. ddresses, as a single emiss which produce fugitive emi	sions unit, one or more issions only.		
2.	Description of Emiss Lime Silo for Waster	sions Unit Addressed in thi water Treatment Plant with	s Section: n one Baghouse			
3.	Emissions Unit Ident	tification Number: 22				
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date: 29-NOV-99	<ul> <li>7. Emissions Unit Major Group SIC Code: 49</li> </ul>		
8.	<ul> <li>Federal Program Applicability: (Check all that apply)</li> <li>Acid Rain Unit</li> <li>CAIR Unit</li> </ul>					
9.	Package UnitModel Number:Manufacturer:					
10.	Generator Nameplate	e Rating: MW				
11.	Emissions Unit Com Lime silo with one b	nment: baghouse for the waste wate	er treatment plant for the c	hloride bleed stream		

### **Emissions Unit Control Equipment**

Code	Equipment	Description
18	FABRIC FILTER LOW TEMPERATURE (T<180F)	Baghouse, Griffin Env., 36-LS Filtervent

#### **B. EMISSIONS UNIT CAPACITY INFORMATION** (Optional for unregulated emissions units.) Emissions Unit Operating Capacity and Schedule

	issions Unit Operating Capacity and Sci	<u>ICUUIC</u>	
1.	Maximum Process or Throughput Rate:		
2.	Maximum Production Rate:		
3.	Maximum Heat Input Rate: million Btu/l	ır	
4.	Maximum Incineration Rate:	pounds/hr	
		tons/day	
5.	Requested Maximum Operating Schedul	e:	
		24 hours/day	7 days/week
		52 weeks/year	8760 hours/year
6.	Operating Capacity/Schedule Comment:		
	Maximum lime usage requires filling sile	o two hours per day	

C. EMISSION POINT (STAC	<b>CK/VENT) INFORMATION</b>				
(Optional for unregulated emissions units.)					

<u>Emi</u>	Emission Point Description and Type					
1.	Identification of Point on Plot Plan or Flow Diagram: BAGHOUSE OUTLET		<ul> <li>2. Emission Point Type Code:</li> <li>1 - A single emission point serving a single emissions unit</li> </ul>			
3.	Descriptions of Emission Poi	nts Comprising th	is Emissions Unit	for VE Tracking:		
4.	ID Numbers or Descriptions	of Emission Units	with this Emissio	on Point in Common:		
5.	Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION	<ol> <li>Stack Heigh 10 feet</li> </ol>	t:	<ul><li>7. Exit Diameter:</li><li>1 feet</li></ul>		
8.	Exit Temperature: 77° F	9. Actual Volumetric Flow Rate: acfm		10. Water Vapor: %		
11.	<ol> <li>Maximum Dry Standard Flow Rate: 1200 dscfm</li> </ol>		12. Nonstack Emission Point Height: feet			
13.	Emission Point UTM Coordin Zone: East (km) North (km)	nates : :	14. Emission Po	int Latitude/Longitude Latitude: Longitude:		
15.	5. Emission Point Comment: Emission point is outlet of baghouse					

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

Segr	egment Description and Rate: Segment 1 of 1						
1.	Segment Description (Process/Fuel Type): Lime storage						
2.	2. Source Classification Code (SCC):       3. SCC Units:         30510205       Tons Material Processed						
4.	Maximum Hourly Rate:	5. Maximum Annual Rate:		6. Estimated Annual Activity Factor:			
7.	Maximum % Sulfur:	8. Maximum % Ash:		9. Million Btu per SCC Unit:			
10.	0 Segment Comment:						
	Lime storage silo for WWTP for chloride bleed stream						
	Is this a valid segment? Yes						

List of Pollutants Emitted by Emissions Unit								
1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?				
РМ	FABRIC FILTER LOW TEMPERATURE (T<180F)		EL	Yes				
PM10			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: PM - Particulate Matter - Total	2. Total P	erce	ent E	ffici	ency of Control:
3.	Potential Emissions: .3 lb/hour .99 to	ons/year	4.	Syı Lin	nthet nitec Yes	tically 1? 5
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year				
6.	Emission Factor: .03 GRAINS/DSCF Reference: Permit Limit				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-m	onth	Period: To:
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Project □ 5 y	ed N vears	/Ioni	torir	ng Period:
10.	Calculation of Emissions: Emission factor times air flow rate, 2 hours per	day				
11.	<ul><li>11. Pollutant Potential, Fugitive, and Actual Emissions Comment:</li><li>2 hours per day is maximum amount of time required for filling silo</li></ul>					

# 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: .03 GRAINS PER DRY STANDARD CUBIC FOOT	4.	Equivalent Allowable Emissions: 2.1 lb/hour .99 tons/year
5.	Method of Compliance: VE in lieu of stack test		
6.	Allowable Emissions Comment (Description of	f Op	erating Method):

# 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:	2. Total Percent Efficiency of Control:				
	PM10 - Particulate Matter - PM10					
3.	Potential Emissions: lb/hour te	ons/year	4. S L	Synthe Limite	tically d? s	🗆 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. Baselin	ne 24-1	month	Period:	
	tons/year	From:			To:	
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed Mo	nitori	ng Period	l:
	tons/year	🗆 5 y	ears			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.

No Pollutant Allowable Emissions information submitted.

## 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 1						
1.	Visible Emissions Subtype: VE05 - VISIBLE EMISSIONS - 5% NORMAL OPACITY	<ol> <li>Basis for Allowa</li> <li>✓ Rule</li> </ol>	able Opacity:				
3.	Allowable Opacity: Normal Conditions: 5% Excep Maximum Period of Excess Opacity Allowed:	ptional Conditions:	% min/hour				
4.	Method of Compliance:						
5.	Visible Emissions Comment: VE test in lieu of PM test						
#### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

Add	I. EMISSIONS UNIT ADDITIONAL INFORM	IATION tod
1.	Process Flow Diagram (Required for all permit applications, except Tit revision applications if this information was submitted to the departme years and would not be altered as a result of the revision being sought)	the V air operation permit nt within the previous five
	Applicable Previously Submitted, Date:	Attachment
2.	Fuel Analysis or Specification (Required for all permit applications, ex permit revision applications if this information was submitted to the de previous five years and would not be altered as a result of the revision	cept Title V air operation partment within the being sought)
3	Detailed Description of Control Equipment (Required for all permit and	nlications excent Title V
5.	air operation permit revision applications if this information was submit within the previous five years and would not be altered as a result of th	itted to the department e revision being sought)
	Applicable Previously Sublitted, Date.	
4.	Procedures for Startup and Shutdown (Required for all operation permit V air operation permit revision applications if this information was sub within the previous five years and would not be altered as a result of th	it applications, except Title mitted to the department e revision being sought)
5.	permit revision applications if this information was submitted to the de previous five years and would not be altered as a result of the revision	except 1 tile V air operation partment within the being sought)
	☐ Applicable  ☐ Previously Submitted, Date:	☐ Attachment
6.	Compliance Demonstration Reports/Records <ul> <li>Applicable</li> <li>Previously Submitted, Date:</li> </ul> To Be Submitted Date (if known):	□ Attachment
	Previously Submitted Test Date(s)/Pollutants Tested:	
	To be Submitted Test Date(s)/Pollutants Tested:	
	Note: For FESOP applications, all required compliance demonstration submitted at the time of application. For Title V air operation permit ap compliance demonstration reports/records must be submitted at the time compliance plan must be submitted at the time of application.	records/reports must be oplications, all required e of application, or a
7.	Other Information Required by Rule or Statute	
	□ Applicable	□ 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)	
	Alternative wodes of Operation (Emissions Trading)	

#### Additional Requirements for Air Construction Permit Applications

-	· · · · · · · · · · · · · · · · · · ·					
1.	Control Technology Review and Analysis (Rules 62-212.400(10) an CFR 63.43(d) and (e))	d 62-212.500(7), F.A.C.; 40				
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.400 212.500(4)(f), F.A.C.)	(4)(d), F.A.C., and Rule 62-				
3.	<ul> <li>Description of Stack Sampling Facilities (Required for proposed new only)</li> <li>Applicable</li> </ul>	v stack sampling facilities				
Oth	Other Information Regarding this Emissions Unit					
1.	Other Emissions Unit Information					

Applicable 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 tion Parmit Emissions Unit Classification

## Title V Air Operation Permit Emissions Unit Classification

- 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.
  - $\square$  The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

## **Emissions Unit Description and Status**

1.	Type of Emissions Unit Addressed in this Section: (Check one)					
	This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).					
	<ul> <li>This Emissions</li> <li>process or produce</li> <li>(stack or vent) b</li> </ul>	Unit Information Section a action units and activities w out may also produce fugiti	ddresses, as a single emissivhich has at least one definitive emissions.	sions unit, a group of nable emission point		
	This Emissions process or produ	Unit Information Section a activities with the section units and activities with the section activities with the section activities with the section activities with the section activities are section as a section activities are section activities are section as a section activities are section activities are section as a section activities are section activitities are section activ	ddresses, as a single emise which produce fugitive em	sions unit, one or more issions only.		
2.	Description of Emiss Limestone Handling	sions Unit Addressed in th Converyors LB & LC wit	is Section: h Baghouse			
3.	Emissions Unit Ident	tification Number: 23				
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	<ul> <li>Emissions Unit Major Group SIC Code: 49</li> </ul>		
8.	<ul> <li>Federal Program Applicability: (Check all that apply)</li> <li>Acid Rain Unit</li> <li>CAIR Unit</li> </ul>					
9.	Package Unit STERNVENT BAGHOUSES Model Number: DKED18003 Manufacturer:					
10.	Generator Nameplate	e Rating: MW				
11.	Emissions Unit Com	iment:				

### **Emissions Unit Control Equipment**

Code	Equipment	Description
127	FABRIC FILTER	(2) BAGHOUSES Sternvent Model DKED18003

## B. EMISSIONS UNIT CAPACITY INFORMATION (Optional for unregulated emissions units.)

# Emissions Unit Operating Capacity and Schedule

1.	Maximum Process or Throughput Rate:			
2.	Maximum Production Rate:			
3.	Maximum Heat Input Rate: million Btu/h	r		
4.	Maximum Incineration Rate:	pounds/hr tons/day		
5.	Requested Maximum Operating Schedule	:		
		24 hours/day	7 days/week	
		52 weeks/year	8760 hours/year	
6.	Operating Capacity/Schedule Comment:			

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

Emi	<u>Emission Point Description and Type</u>					
1.	Identification of Point on Plot Plan or Flow Diagram: BAGHOUSE FOR CONVEYOR LB TRANSFER TO CONVEYOR LC		<ol> <li>Emission Point Type Code:</li> <li>3 - A configuration of multiple emissions points serving a single emissions unit</li> </ol>			
3.	<ul><li>Descriptions of Emission Poi</li><li>Baghouse conveyor LB tra</li><li>Baghouse conveyor LD tra</li></ul>	nts Comprising th nsfer to LC insfer to LE	is Emissions Unit	for VE Tracking:		
4.	ID Numbers or Descriptions of Emission Units with this Emission Point in Common:					
5.	Discharge Type Code:	6. Stack Height: feet		7. Exit Diameter: feet		
8.	Exit Temperature: ° F	9. Actual Volumetric Flow Rate: acfm		10. Water Vapor: %		
11.	1. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: 35 feet			
13.	13. Emission Point UTM Coordinates Zone: East (km): North (km):		14. Emission Point Latitude/Longitude Latitude: Longitude:			
15.	Emission Point Comment:					

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

Segi	Segment Description and Rate: Segment 1 of 1						
1.	1. Segment Description (Process/Fuel Type):						
2.	2. Source Classification Code (SCC):       3. SCC Units:         30510105       3. Material Processed						
4.	Maximum Hourly Rate:	5. Maximum Annual Rate:		6. Estimated Annual Activity Factor:			
7.	Maximum % Sulfur:	8. Maximum %	% Ash:	9. Million Btu per SCC Unit:			
10.	10. Segment Comment:						
	Is this a valid segment? Yes						

E. ENIISSIONS UNIT POLLUIANIS List of Pollutants Emitted by Emissions Unit								
1. Pollutant Emitted	2. Primary Control	3. Secondary Control	4. Pollutant					

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
PM	FABRIC FILTER		EL	Yes
PM10				Yes

# E EMISSIONS LINIT DOLL UTANTS

# 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: PM - Particulate Matter - Total	2. Total P	erce	ent E	ffici	ency of Control:
3.	Potential Emissions: .325 lb/hour to	ons/year	4.	Syr Lin	nthet nited Yes	ically  ? □ No
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year				
6.	Emission Factor: Reference:				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-mo	onth	Period: To:
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed N rears	/loni	torin	g Period:
10.	Calculation of Emissions:					
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment: TOTAL COMBINED PM EMISSIONS FROM BAGHOUSE					

## 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.

Allo	Ilowable Emissions 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.	Allowable Emissions and Units: .325 POUNDS/HOUR	4.	Equivalent Allowable Emissions: .325 lb/hour 1.45 tons/year			
5.	. Method of Compliance: NO PM TEST REQUIRED IF ALTERNATIVE 5% OPACITY LIMIT IS MET.					
6.	Allowable Emissions Comment (Description of Operating Method): TOTAL COMBINED PM EMISSIONS FROM BAGHOUSE; PSD-FL-040					

# 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:	2. Total Percent Efficiency of Control:			
	PM10 - Particulate Matter - PM10				
3.	Potential Emissions: lb/hour to	ons/year	4. Sy Lii	nthetic mited? Yes	ally □ No
5.	Range of Estimated Fugitive Emissions (as app	olicable):			
	to to	ons/year			
6.	Emission Factor:			7. E	Emissions Method Code:
	Reference:				
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24-m	onth P	eriod:
	tons/year	From:			To:
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed Mon	itoring	Period:
	tons/year	□ 5 y	ears		$\square$ 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.

## 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 1				
1.	Visible Emissions Subtype: VE05 - VISIBLE EMISSIONS - 5% NORMAL OPACITY	2.	Basis for Allow □ Rule	able Opacity: Other	
3.	Allowable Opacity:Normal Conditions: 5%ExceptionMaximum Period of Excess Opacity Allowed:	otio	nal Conditions:	% min/hour	
4.	Method of Compliance:				
5.	Visible Emissions Comment: ANNUAL VE TEST MUST BE PERFORMED EXCEEDS 5% PM TEST REQUIRED.	D A	T EACH BAGHO	DUSE. IF OPACITY	

#### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

	I. EMISSIONS UNIT ADDITIONAL INFORM	ATION
Add	litional Requirements for All Applications, Except as Otherwise State	<u>d</u>
1.	Process Flow Diagram (Required for all permit applications, except Title revision applications if this information was submitted to the department years and would not be altered as a result of the revision being sought)	e V air operation permit within the previous five
	□ Applicable □ Previously Submitted, Date:	□ Attachment
2.	Fuel Analysis or Specification (Required for all permit applications, exception permit revision applications if this information was submitted to the depart previous five years and would not be altered as a result of the revision be Applicable	ept Title V air operation artment within the eing sought)
3.	Detailed Description of Control Equipment (Required for all permit appl air operation permit revision applications if this information was submitt within the previous five years and would not be altered as a result of the Applicable	ications, 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 submit 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, end permit revision applications if this information was submitted to the departerious five years and would not be altered as a result of the revision beam of the previously Submitted, Date:	xcept Title V air operatior artment within the eing sought)
6.	Compliance Demonstration Reports/Records <ul> <li>Applicable</li> <li>Previously Submitted, Date:</li> <li>To Be Submitted, Date (if known):</li> </ul> <li>Previously Submitted Test Date(s)/Pollutants Tested: <ul> <li>To be Submitted Test Date(s)/Pollutants Tested:</li> </ul> </li> <li>Note: For FESOP applications, all required compliance demonstration resubmitted at the time of application. For Title V air operation permit app compliance demonstration reports/records must be submitted at the time compliance plan must be submitted at the time of application.</li>	☐ Attachment ecords/reports must be plications, all required of application, or a
7.	Other Information Required by Rule or Statute	
	Applicable	☐ 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)	
	Alternative wodes of Operation (Emissions Trading)	

#### Additional Requirements for Air Construction Permit Applications

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

Applicable 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 tion Parmit Emissions Unit Classification

## Title V Air Operation Permit Emissions Unit Classification

- 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.
  - $\square$  The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

## **Emissions Unit Description and Status**

1.	. Type of Emissions Unit Addressed in this Section: (Check one)						
	<ul> <li>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).</li> <li>This Emissions Unit Information Section addresses, as a single emissions unit a group of</li> </ul>						
	This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.						
	This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.						
2.	. Description of Emissions Unit Addressed in this Section: Fuel Blending Bin Cyclone Collectors (FH-032 through FH-035)						
3.	Emissions Unit Ident	tification Number: 29					
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6.	Initial Startup Date:	<ul> <li>7. Emissions Unit Major Group SIC Code: 49</li> </ul>		
8.	Federal Program App	plicability: (Check all that	apply	)			
	<ul><li>Acid Rain Unit</li><li>CAIR Unit</li></ul>						
9.	. Package Unit Model Number: Manufacturer:						
10.	Generator Nameplate	e Rating: MW					
11.	Emissions Unit Com	ment:					

## **Emissions Unit Control Equipment**

Code	Equipment	Description
113	ROTOCLONE	

#### **B. EMISSIONS UNIT CAPACITY INFORMATION** (Optional for unregulated emissions units.) Emissions Unit Operating Capacity and Schedule

	issions enne operating expacted and	<u> Seneuure</u>			
1.	Maximum Process or Throughput Ra	ate:			
2.	Maximum Production Rate:				
3.	Maximum Heat Input Rate: million Btu/hr				
4.	Maximum Incineration Rate:	pounds/hr			
		tons/day			
5.	Requested Maximum Operating School	edule:			
		24 hours/day	7 days/week		
		52 weeks/year	8760 hours/year		
6.	Operating Capacity/Schedule Comm	ient:			

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

Emi	mission Point Description and Type					
1.	Identification of Point on Plot Plan or Flow Diagram:		<ol> <li>Emission Point Type Code:</li> <li>1 - A single emission point serving a single emissions unit</li> </ol>			
3.	. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:					
4.	4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:					
5.	Discharge Type Code: (F) FUGITIVE EMISSIONS, NO STACK EXISTS	K 6. Stack Height: 7. Exit Diameter: feet feet				
8.	Exit Temperature: ° F	9. Actual Volumetric Flow Rate: acfm		10. Water Vapor: %		
11.	Maximum Dry Standard Flow dscfm	v Rate:	12. Nonstack Emission Point Height: 35 feet			
13.	Emission Point UTM Coordin Zone: East (km) North (km)	nates :	14. Emission Point Latitude/Longitude Latitude: Longitude:			
15.	Emission Point Comment:					

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

Segi	Segment Description and Rate: Segment 1 of 1					
1.	1. Segment Description (Process/Fuel Type):					
2.	2. Source Classification Code (SCC):       3. SCC Units:         30510503       Tons Material Processed					
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.	10. Segment Comment:					
	Is this a valid segment? Yes					

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
PM				Yes
PM10				Yes

# 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: PM - Particulate Matter - Total	2. Total P	erce	nt Ei	fficie	ency of Control:
3.	Potential Emissions: 2.41 lb/hour 10.56 to	ons/year	4.	Syn Lin	itheti nited Yes	ically  ? □ No
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year				
6.	Emission Factor: .03 GRAINS/DSCF Reference:				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. Projecto □ 5 y	ed N rears	Ionit	coring	g Period:
10.	Calculation of Emissions: 0.03*(9400acfm)*60/7000 = lb/hr lb/hr*8760/2	2000 = TPY				
11.	<ol> <li>Pollutant Potential, Fugitive, and Actual Emissions Comment:</li> <li>Based on worst case ACFM; PM test waived by letter 8/5/11. AC permit will be issued to establish VE as RACT for this unit. JKH</li> </ol>					

## 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.

Allo	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: .03 GRAINS PER DRY STANDARD CUBIC FOOT	4.	Equivalent Allowable Emissions: 2.41 lb/hour 10.56 tons/year			
5.	Method of Compliance: Stack Test					
6.	Allowable Emissions Comment (Description o Also persuant to EPC rule chapter 1-3.52.	f Op	erating Method):			

# 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: PM10 - Particulate Matter - PM10	2. Total P	erce	ent E	ffici	ency of Control:
3.	Potential Emissions: 2.41 lb/hour 10.56 te	ons/year	4.	Syr Lin	nthet nited Yes	tically 1? 5
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year					
6.	Emission Factor: .03 GRAINS/DSCF Reference:				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. Baseline 24-month Period: From: To:			Period: To:	
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period:      □    5 years      □    10 years			ng Period:	
10.	10. Calculation of Emissions: 0.03*(9400acfm)*60/7000 = lb/hr lb/hr*8760/2000 = TPY					
11.	<ol> <li>Pollutant Potential, Fugitive, and Actual Emissions Comment: Based on ACFM</li> </ol>					

## 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.

Allo	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: .03 GRAINS PER DRY STANDARD CUBIC FOOT	4.	Equivalent Allowable Emissions: 2.41 lb/hour 10.56 tons/year			
5.	Method of Compliance: Stack test	-				
6.	Allowable Emissions Comment (Description o Persuant to EPC rules chapter 1-3.52.	f Op	erating Method):			

## G. VISIBLE EMISSIONS INFORMATION

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1					
1.	Visible Emissions Subtype: VE05 - VISIBLE EMISSIONS - 5% NORMAL OPACITY	<ol> <li>Basis for Allow</li> <li>☑ Rule</li> </ol>	able Opacity:		
3.	Allowable Opacity: Normal Conditions: % Excep Maximum Period of Excess Opacity Allowed:	% min/hour			
4.	Method of Compliance: EPA METHOD 9				
5.	Visible Emissions Comment: Rule 62-296.711(2), F.A.C.				

#### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

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 Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)					
	□ Applicable □ Previously Submitted, Date:	□ Attachment				
2.	Fuel Analysis or Specification (Required for all permit applications, e permit revision applications if this information was submitted to the d previous five years and would not be altered as a result of the revision □ Applicable □ Previously Submitted, Date:	xcept Title V air operation epartment within the being sought)				
3.	Detailed Description of Control Equipment (Required for all permit ap air operation permit revision applications if this information was subm within the previous five years and would not be altered as a result of the Applicable	pplications, except Title V nitted to the department he revision being sought) Attachment				
4.	Procedures for Startup and Shutdown (Required for all operation perm V air operation permit revision applications if this information was su within the previous five years and would not be altered as a result of t □ Applicable □ Previously Submitted, Date:	hit applications, except Title bmitted to the department he revision being sought)				
5.	Operation and Maintenance Plan (Required for all permit applications permit revision applications if this information was submitted to the d previous five years and would not be altered as a result of the revision	, except Title V air operation epartment within the being sought)				
6.	<ul> <li>Compliance Demonstration Reports/Records</li> <li>Applicable</li> <li>Previously Submitted, Date:</li> <li>To Be Submitted, Date (if known):</li> <li>Previously Submitted Test Date(s)/Pollutants Tested:</li> <li>To be Submitted Test Date(s)/Pollutants Tested:</li> <li>Note: For FESOP applications, all required compliance demonstration submitted at the time of application. For Title V air operation permit a compliance demonstration reports/records must be submitted at the time of application.</li> </ul>	☐ Attachment a records/reports must be applications, all required ne 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
Δ		
4.	Alternative Modes of Operation (Emissions Trading)	

#### Additional Requirements for Air Construction Permit Applications

	<u>4</u>		
1.	Control Technology Review and Analysis (Rules 62-212.400(10) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e))		
	□ Applicable	□ Attachment	
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212 212.500(4)(f), F.A.C.)	2.400(4)(d), F.A.C., and Rule 62-	
		□ Attachment	
3.	. Description of Stack Sampling Facilities (Required for proposed new stack sampling facilities only)		
	□ Applicable	□ Attachment	
Oth	ner Information Regarding this Emissions Unit		
1.	Other Emissions Unit Information		
I			

Applicable 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 tion Parmit Emissions Unit Classification

## **<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.
  - □ The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

#### **Emissions Unit Description and Status**

1.	Type of Emissions Unit Addressed in this Section: (Check one)					
	<ul> <li>This Emissions Unit Addressed in this Section. (Check One)</li> <li>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).</li> <li>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.</li> <li>This Emissions Unit Information Section addresses as a single emissions unit, one or more</li> </ul>					
	process or produ	iction units and activities v	which produce fugitive em	issions only.		
2.	Description of Emiss Fuel Mill Cyclone C	sions Unit Addressed in th ollectors (FH-048 and FH-	is Section: -049)			
3.	Emissions Unit Iden	tification Number: 30				
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	<ul> <li>7. Emissions Unit Major Group SIC Code: 49</li> </ul>		
8.	<ul> <li>Federal Program Applicability: (Check all that apply)</li> <li>Acid Rain Unit</li> <li>CAIR Unit</li> </ul>					
9.	Package UnitModel Number:Manufacturer:					
10.	Generator Nameplate	e Rating: MW				
11.	. Emissions Unit Comment:					

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

Code	Equipment	Description
113	ROTOCLONE	

## B. EMISSIONS UNIT CAPACITY INFORMATION (Optional for unregulated emissions units.)

## Emissions Unit Operating Capacity and Schedule

1.	Maximum Process or Throughput Rate:			
2.	Maximum Production Rate:			
3.	Maximum Heat Input Rate: million Btu/hr			
4.	Maximum Incineration Rate:	pounds/hr tons/day		
5.	Requested Maximum Operating Schedule			
		24 hours/day	7 days/week	
		52 weeks/year	8760 hours/year	
6.	Operating Capacity/Schedule Comment:			

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

<u>Emissi</u>	Emission Point Description and Type					
1. Id D	dentification of Point on Plot Diagram:	t Plan or Flow	<ol> <li>Emission Po</li> <li>1 - A single of emissions un</li> </ol>	int Type Code: emission point serving a single iit		
3. D	Descriptions of Emission Poin	nts Comprising th	is Emissions Unit	for VE Tracking:		
4. II	4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:					
5. D (F El E)	Discharge Type Code: F) FUGITIVE MISSIONS, NO STACK XISTS	6. Stack Height feet	::	7. Exit Diameter: feet		
8. Ez ° j	xit Temperature: F	9. Actual Volue Rate: acfm	metric Flow	10. Water Vapor: %		
11. M ds	1. Maximum Dry Standard Flow Rate: dscfm		<ul><li>12. Nonstack Emission Point Height:</li><li>35 feet</li></ul>			
13. Ei Zo	13. Emission Point UTM Coordinates Zone: East (km): North (km):		14. Emission Po	int Latitude/Longitude Latitude: Longitude:		
15. E	Emission Point Comment:					

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

Segi	<u>ment Description and Rate:</u>	Segment 1 of 1				
1.	1. Segment Description (Process/Fuel Type):					
2.	2. Source Classification Code (SCC):       3. SCC Units:         30510503       Tons Material Processed					
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.	10. Segment Comment:					
	Is this a valid segment? Yes					

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
PM				Yes
PM10				Yes

## 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: PM - Particulate Matter - Total	2. Total P	ercei	nt Ef	ficiency	of Control:
3.	Potential Emissions: 2.41 lb/hour 10.56 to	ons/year	4.	Syn <sup>*</sup> Lim	thetically ited? Yes	V D No
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year				
6.	Emission Factor: .03 GRAINS/DSCF Reference:				7. Emi (0) I EQU ALI EMI CAS EMI	ssions Method Code: EQUAL TO JIVALENT LOWABLE ISSION/WORST- SE ALLOWABLE ISSION.
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24	l-mo	nth Perio T	od: `o:
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Project □ 5 y	ed M vears	Ionit	oring Per	riod: 10 years
10.	Calculation of Emissions: 0.03*(9400acfm)*60/7000 = lb/hr lb/hr*8760/2	2000 = TPY				
11.	Pollutant Potential, Fugitive, and Actual Emissi Based on ACFM; PM test waived by letter 8/5/ RACT for this unit. JKH	ons Commen 11. AC pern	nt: nit w	ill be	e issued t	o establish VE as

#### 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.

Allo	Illowable Emissions Allowable Emissions 1 of 1				
1.	. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation		Future Effective Date of Allowable Emissions:		
3.	Allowable Emissions and Units: .03 GRAINS PER DRY STANDARD CUBIC FOOT	4.	Equivalent Allowable Emissions: 2.41 lb/hour 10.56 tons/year		
5.	Method of Compliance: Stack test				
6.	Allowable Emissions Comment (Description o Persuant to EPC rules chapter 1-3.52(2)	f Op	erating Method):		

## 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: PM10 - Particulate Matter - PM10	2. Total P	erce	ent Et	ffici	ency of Control:
3.	Potential Emissions: 2.41 lb/hour 10.56 to	ons/year	4.	Syn Lin	thet ited Yes	ically l? I No
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year				
6.	Emission Factor: .03 GRAINS/DSCF Reference:				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	Aonit	orin	ng Period:
10.	Calculation of Emissions: 0.03*(9400acfm)*60/7000 = lb/hr lb/hr*8760/2	2000 = TPY				
11.	Pollutant Potential, Fugitive, and Actual Emissi Based on ACFM	ons Comme	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.

Allo	Illowable 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: .03 GRAINS PER DRY STANDARD CUBIC FOOT	4.	Equivalent Allowable Emissions: 2.41 lb/hour 10.56 tons/year		
5.	Method of Compliance: Stack test				
6.	Allowable Emissions Comment (Description o Persuant to EPC rules chapter 1-3.52(2)	f Op	erating Method):		

## 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 1				
1.	Visible Emissions Subtype: VE05 - VISIBLE EMISSIONS - 5% NORMAL OPACITY	<ol> <li>Basis for Allow</li> <li>✓ Rule</li> </ol>	vable Opacity:		
3.	Allowable Opacity: Normal Conditions: % Excep Maximum Period of Excess Opacity Allowed:	ptional Conditions:	% min/hour		
4.	Method of Compliance: EPA METHOD 9				
5.	Visible Emissions Comment: Rule 62-296.711(2), F.A.C.				

#### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

Ado	I. ENHISSIONS UNIT ADDITIONAL INFOR ditional Requirements for All Applications, Except as Otherwise S	tated
1.	Process Flow Diagram (Required for all permit applications, except 7 revision applications if this information was submitted to the departmy ears and would not be altered as a result of the revision being sough Applicable Previously Submitted, Date:	Title V air operation permit nent within the previous five at)
2	Fuel Analysis or Specification (Required for all permit applications	except Title V air operation
2.	permit revision applications if this information was submitted to the previous five years and would not be altered as a result of the revisio	department within the n being sought)
	$\square$ Applicable $\square$ Previously Submitted, Date:	□ Attachment
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 per V air operation permit revision applications if this information was s within the previous five years and would not be altered as a result of Applicable	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 previous five years and would not be altered as a result of the revisio Applicable	s, except Title V air operation department within the n being sought) Attachment
6.	Compliance Demonstration Reports/Records	
	□ Applicable □ Previously Submitted, Date: □ To Be Submitted, Date (if known):	□ Attachment
	Previously Submitted Test Date(s)/Pollutants Tested:	
	To be Submitted Test Date(s)/Pollutants Tested:	
	Note: For FESOP applications, all required compliance demonstration submitted at the time of application. For Title V air operation permit compliance demonstration reports/records must be submitted at the t compliance plan must be submitted at the time of application.	on records/reports must be applications, all required ime of application, or a
7.	Other Information Required by Rule or Statute	
		□ Attachment

NICTINIT ADDITIONAT

## 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)	
	Alternative wodes of Operation (Emissions Trading)	

#### Additional Requirements for Air Construction Permit Applications

1.	Control Technology Review and Analysis (Rules 62-212.400(10) CFR 63.43(d) and (e))	and 62-212.500(7), F.A.C.; 40
		□ Attachment
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.4 212.500(4)(f), F.A.C.)	00(4)(d), F.A.C., and Rule 62-
		□ Attachment
3.	Description of Stack Sampling Facilities (Required for proposed r only)	new stack sampling facilities
		□ Attachment
Oth	er Information Regarding this Emissions Unit	
1.	Other Emissions Unit Information	

Applicable 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 tion Parmit Emissions Unit Classification

## **<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.
  - $\Box$  The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

## **Emissions Unit Description and Status**

1.	Type of Emissions Unit Addressed in this Section: (Check one)							
	This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).							
	☐ This Emissions process or produ (stack or vent) b	Unit Information Section a action units and activities wout may also produce fugiti	addresses, as a single emiss which has at least one definitive we emissions.	sions unit, a group of nable emission point				
	<ul> <li>This Emissions</li> <li>process or produce</li> </ul>	Unit Information Section a activities w	addresses, as a single emise which produce fugitive em	sions unit, one or more issions only.				
2.	Description of Emiss Surface Coating of M	sions Unit Addressed in th Aiscellaneous Metal Parts	is Section:					
3.	Emissions Unit Ident	tification Number: 32						
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	<ul> <li>Emissions Unit Major Group SIC Code: 49</li> </ul>				
8.	Federal Program App	plicability: (Check all that	apply)					
	□ Acid Rain Unit							
	CAIR Unit							
9.	Package UnitModel Number:Manufacturer:							
10.	Generator Nameplate	e Rating: MW						
11.	Emissions Unit Com	iment:						

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

Code	Equipment	Description
102	LOW SOLVENT COATINGS	

#### **B. EMISSIONS UNIT CAPACITY INFORMATION** (Optional for unregulated emissions units.)

## Emissions Unit Operating Capacity and Schedule

1.	Maximum Process or Throughput Rate: 48	GPD	
2.	Maximum Production Rate: 7000 GPY		
3.	Maximum Heat Input Rate: million Btu/hr		
4.	Maximum Incineration Rate:	pounds/hr	
		tons/day	
5.	Requested Maximum Operating Schedule:		
		hours/day	days/week
		weeks/year	3500 hours/year
6.	Operating Capacity/Schedule Comment:		
	2 GPH on a 24 hour basis (48 gallons per da	У	

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

Emi	Emission Point Description and Type						
1.	Identification of Point on Plo Diagram:	t Plan or Flow	<ol> <li>Emission Point Type Code:</li> <li>1 - A single emission point serving a single emissions unit</li> </ol>				
3.	Descriptions of Emission Poi	nts Comprising th	is Emissions Unit	for VE Tracking:			
4.	ID Numbers or Descriptions of Emission Units with this Emission Point in Common:						
5.	Discharge Type Code: (F) FUGITIVE EMISSIONS, NO STACK EXISTS	<ol> <li>Stack Height feet</li> </ol>	::	7. Exit Diameter: feet			
8.	Exit Temperature: ° F	9. Actual Volumetric Flow Rate: acfm		10. Water Vapor: %			
11.	Maximum Dry Standard Flow dscfm	v Rate:	<ul><li>12. Nonstack Emission Point Height:</li><li>0 feet</li></ul>				
13.	13. Emission Point UTM Coordinates Zone: East (km): North (km):		<ul><li>14. Emission Point Latitude/Longitude</li><li>Latitude:</li><li>Longitude:</li></ul>				
15.	Emission Point Comment:						

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

Segi	<u>ment Description and Rate:</u>	Segment 1 of 1				
1.	Segment Description (Proces	s/Fuel Type):				
2.	2. Source Classification Code (SCC):       3. SCC Units:         40200110       Gallons Coating Processed					
4.	Maximum Hourly Rate:	5. Maximum Annual Rate:		6. Estimated Annual Activity Factor:		
7.	Maximum % Sulfur:	8. Maximum % Ash:		9. Million Btu per SCC Unit:		
10.	10. Segment Comment:					
	Is this a valid segment? Yes					

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
HAPS				Yes
VOC				Yes

## 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:	2. Total Percent Efficiency of Control:				
	HAPS - Total Hazardous Air Pollutants					
3.	Potential Emissions: lb/hour te	ons/year	4.	Syn Lim	thetic iited? Yes	ally
5.	Range of Estimated Fugitive Emissions (as app	licable):				
	to to	ons/year				
6.	Emission Factor:				7. E	Emissions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	1e 24	l-mo	nth P	eriod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed M	lonit	oring	Period:
	tons/year	🗆 5 y	ears			$\square$ 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:	2. Total Percent Efficiency of Control:				
3.	Potential Emissions: lb/hour tr	ons/year	4.	Syn Lin	ithetic nited? Yes	ally □ No
5.	Range of Estimated Fugitive Emissions (as app to t	licable): ons/year				
6.	Emission Factor:				7. E	Emissions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Po	eriod: To:
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit s	toring	Period:
10.	Calculation of Emissions:					
11.	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.

Allo	Allowable 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: 4.3 POUNDS PER GALLON OF COATING, EXCLUDING WATER	4.	Equivalent Allowable Emissions: lb/hour 15 tons/year					
5.	5. Method of Compliance:							
6.	Allowable Emissions Comment (Description o 3.0 - 4.3 lb/gallon max.	f Op	erating Method):					

## G. VISIBLE EMISSIONS INFORMATION

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

No Visible Emissions information submitted.

#### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

۸dd	I. EMISSIONS UNIT ADDITIONAL INFOR	RMATION tated
1.	Process Flow Diagram (Required for all permit applications, except a otherwise s revision applications if this information was submitted to the departm years and would not be altered as a result of the revision being sough	Title V air operation permit nent within the previous five at)
		Attachment
2.	Fuel Analysis or Specification (Required for all permit applications, permit revision applications if this information was submitted to the previous five years and would not be altered as a result of the revisio	department within the n being sought)
	Applicable Previously Submitted, Date:	Attachment
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 per V air operation permit revision applications if this information was s 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 previous five years and would not be altered as a result of the revision Applicable Previously Submitted, Date:	as, except Title V air operation department within the n being sought)
6	Compliance Demonstration Reports/Records	
	<ul> <li>□ Applicable</li> <li>□ Previously Submitted, Date:</li> <li>□ To Be Submitted, Date (if known):</li> </ul>	□ Attachment
	Previously Submitted Test Date(s)/Pollutants Tested:	
	To be Submitted Test Date(s)/Pollutants Tested:	
	Note: For FESOP applications, all required compliance demonstration submitted at the time of application. For Title V air operation permit compliance demonstration reports/records must be submitted at the t compliance plan must be submitted at the time of application.	on records/reports must be applications, all required ime of application, or a
_		

# 7. Other Information Required by Rule or Statute □ Applicable □ 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)	

#### Additional Requirements for Air Construction Permit Applications

1.	ontrol Technology Review and Analysis (Rules 62-212.400(10) and 62-212.500(7), F.A.C.; 40 FR 63.43(d) and (e))			
	□ Applicable	□ Attachment		
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212 212.500(4)(f), F.A.C.)	2.400(4)(d), F.A.C., and Rule 62-		
		□ Attachment		
3.	3. Description of Stack Sampling Facilities (Required for proposed new stack sampling facilities only)			
	□ Applicable	□ Attachment		
Other Information Regarding this Emissions Unit				
1.	Other Emissions Unit Information			
I				

☐ Applicable ☐ 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 tion Parmit Emissions Unit Classification

## **<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.)
  - $\hfill\square$  The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.
  - ☑ The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

#### **Emissions Unit Description and Status**

1.	Type of Emissions Unit Addressed in this Section: (Check one)						
	This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).						
	□ This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.						
	✓ This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.						
2.	Description of Emissions Unit Addressed in this Section: Unregulated Emissions Units and/or Activities						
3.	Emissions Unit Identification Number: 36						
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	<ul> <li>7. Emissions Unit Major Group SIC Code: 49</li> </ul>			
8.	Federal Program App	olicability: (Check all that	apply)				
	□ Acid Rain Unit						
	CAIR Unit						
9.	Package Unit	Model Number:					
	Manufacturer:						
10.	Generator Nameplate	e Rating: MW					
11.	Emissions Unit Comment: slag, bottom ash,&gypsum handling and storage; internal combustion engines; on-site vehicles; temporary abrasive blasting.						

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

No Control Equipment information submitted.

# **B. EMISSIONS UNIT CAPACITY INFORMATION** (Optional for unregulated emissions units.)

## Emissions Unit Operating Capacity and Schedule

1.	Maximum Process or Throughput Rate: 300 TONS/HOUR			
2.	Maximum Production Rate:			
3.	Maximum Heat Input Rate: million Btu/hr			
4.	Maximum Incineration Rate:	pounds/hr tons/day		
5.	Requested Maximum Operating Schedule:			
		hours/day	days/week	
		weeks/year	hours/year	
6.	Operating Capacity/Schedule Comment:			
	Transfer capacity of the new backup gypsum stack out belt conveyor.			
#### C. EMISSION POINT (STACK/VENT) INFORMATION (Optional for unregulated emissions units.)

<u>Emi</u>	mission Point Description and Type						
1.	Identification of Point on Plot Plan or Flow Diagram:		<ol> <li>Emission Point Type Code:</li> <li>3 - A configuration of multiple emissions points serving a single emissions unit</li> </ol>				
3.	Descriptions of Emission Poi	nts Comprising th	is Ei	nissions Unit	for VE Tracking:		
4.	. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:						
5.	Discharge Type Code: (F) FUGITIVE EMISSIONS, NO STACK EXISTS	6. Stack Height: feet			7. Exit Diameter: feet		
8.	Exit Temperature: ° F	9. Actual Volumetric Flow Rate: acfm		ic Flow	10. Water Vapor: %		
11.	1. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: 20 feet				
13.	13. Emission Point UTM Coordinates Zone: East (km): North (km):		14.	Emission Po	int Latitude/Longitude Latitude: Longitude:		
15.	Emission Point Comment:						

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

Seg	ment Description and Rate:	Segment 1 of 1	-			
1.	Segment Description (Proces	s/Fuel Type):				
2.	2. Source Classification Code (SCC):       3. SCC Units:         30510399       Tons Material Processed					
4.	Maximum Hourly Rate:	5. Maximum Annual Rate:		6. Estimated Annual Activity Factor:		
7.	Maximum % Sulfur:	8. Maximum % Ash:		9. Million Btu per SCC Unit:		
10.	10. Segment Comment:					
	slag, bottom ash, and gypsum handling and storage					
	Is this a valid segment? Yes					

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
PM10				Yes

# 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:	2. Total Percent Efficiency of Control:				
	PM10 - Particulate Matter - PM10					
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lim	thetica iited? Yes	llly □ No
5.	Range of Estimated Fugitive Emissions (as app	olicable):				
	to to	ons/year				
6.	Emission Factor:				7. E	missions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	-mo	nth Pe	riod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed M	onit	oring l	Period:
	tons/year	□ 5 y	ears			$\square$ 10 years
10.	Calculation of Emissions:					
11.	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.

# G. VISIBLE EMISSIONS INFORMATION

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

No Visible Emissions information submitted.

#### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

Ada	I. EMISSIONS UNIT ADDITIONAL INFORM litional Requirements for All Applications Except as Otherwise Sta	MATION
1.	Process Flow Diagram (Required for all permit applications, except Ti revision applications if this information was submitted to the departme years and would not be altered as a result of the revision being sought)	tle V air operation permit ent within the previous five
	□ Applicable □ Previously Submitted, Date:	□ Attachment
2.	Fuel Analysis or Specification (Required for all permit applications, expermit revision applications if this information was submitted to the deprevious five years and would not be altered as a result of the revision Applicable Previously Submitted. Date:	ccept Title V air operation epartment within the being sought)
3.	Detailed Description of Control Equipment (Required for all permit ap air operation permit revision applications if this information was subm within the previous five years and would not be altered as a result of th Applicable	pplications, except Title V itted to the department ne revision being sought) Attachment
4.	Procedures for Startup and Shutdown (Required for all operation perm V air operation permit revision applications if this information was sub within the previous five years and would not be altered as a result of th Applicable	it applications, except Title omitted to the department ne revision being sought)
5.	Operation and Maintenance Plan (Required for all permit applications, permit revision applications if this information was submitted to the de previous five years and would not be altered as a result of the revision	except Title V air operation epartment within the being sought)
6.	Compliance Demonstration Reports/Records <ul> <li>Applicable</li> <li>Previously Submitted, Date:</li> <li>To Be Submitted, Date (if known):</li> </ul> Previously Submitted Test Date(s)/Pollutants Tested: To be Submitted Test Date(s)/Pollutants Tested: Note: For FESOP applications, all required compliance demonstration submitted at the time of application. For Title V air operation permit at the time of application.	☐ Attachment records/reports must be
	compliance demonstration reports/records must be submitted at the time compliance plan must be submitted at the time of application.	pplications, all required ne of application, or a
7.	Other Information Required by Rule or Statute Applicable	□ 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)	
	Alternative wodes of Operation (Emissions Trading)	

#### Additional Requirements for Air Construction Permit Applications

1.	Control Technology Review and Analysis (Rules 62-212.400(10) CFR 63.43(d) and (e))	and 62-212.500(7), F.A.C.; 40
		□ Attachment
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.4 212.500(4)(f), F.A.C.)	00(4)(d), F.A.C., and Rule 62-
		□ Attachment
3.	Description of Stack Sampling Facilities (Required for proposed r only)	new stack sampling facilities
		□ Attachment
Oth	er Information Regarding this Emissions Unit	
1.	Other Emissions Unit Information	

☐ Applicable ☐ 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 tion Parmit Emissions Unit Classification

# **<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.
  - $\square$  The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

# **Emissions Unit Description and Status**

1.	Type of Emissions Unit Addressed in this Section: (Check one)					
	This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).					
	☐ This Emissions process or produ (stack or vent) b	Unit Information Section a action units and activities w out may also produce fugitive	ddresses, as a single emise which has at least one defir ve emissions.	sions unit, a group of nable emission point		
	✓ This Emissions process or produ	Unit Information Section a action units and activities w	ddresses, as a single emiss hich produce fugitive emi	sions unit, one or more issions only.		
2.	Description of Emiss Coal Residual Storag	sions Unit Addressed in thi ge Facility	s Section:			
3.	Emissions Unit Iden	tification Number: 37				
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	<ul> <li>Emissions Unit Major Group SIC Code: 49</li> </ul>		
8.	Federal Program App	plicability: (Check all that a	apply)			
	CAIR Unit					
9.	Package UnitModel Number:Manufacturer:					
10.	Generator Nameplate	e Rating: MW				
11.	Emissions Unit Com	iment:				

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

No Control Equipment information submitted.

# **B. EMISSIONS UNIT CAPACITY INFORMATION** (Optional for unregulated emissions units.)

## Emissions Unit Operating Capacity and Schedule

1.	Maximum Process or Throughput Rate: 200 TPH				
2.	Maximum Production Rate: 255500 TPY	7			
3.	Maximum Heat Input Rate: million Btu/h	ır			
4.	Maximum Incineration Rate:	pounds/hr			
		tons/day			
5.	Requested Maximum Operating Schedule	2.			
		24 hours/day	7 days/week		
		52 weeks/year	8760 hours/year		
6.	Operating Capacity/Schedule Comment:				

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

<u>Emi</u>	mission Point Description and Type						
1.	Identification of Point on Plo Diagram:	t Plan or Flow	<ol> <li>Emission Point Type Code:</li> <li>4 - No true emission point</li> </ol>				
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	on Point in Common:			
5.	Discharge Type Code: (F) FUGITIVE EMISSIONS, NO STACK EXISTS	6. Stack Height: feet		7. Exit Diameter: feet			
8.	Exit Temperature: ° F	9. Actual Volumetric Flow Rate: acfm		10. Water Vapor: %			
11.	1. Maximum Dry Standard Flow Rate: dscfm		<ul><li>12. Nonstack Emission Point Height:</li><li>20 feet</li></ul>				
13.	<ul><li>13. Emission Point UTM Coordinates</li><li>Zone: East (km): North (km):</li></ul>		14. Emission Po	int Latitude/Longitude Latitude: Longitude:			
15.	Emission Point Comment:						

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

Segi	ment Description and Rate:	Segment 1 of 1						
1.	. Segment Description (Process/Fuel Type):							
2.	. Source Classification Code (SCC):       3. SCC Units:         . 30510203       Tons Material Processed							
4.	Maximum Hourly Rate:	5. Maximum Annual Rate:		6.	Estimated Annual Activity Factor:			
7.	Maximum % Sulfur:	8. Maximum %	% Ash:	9.	Million Btu per SCC Unit:			
10.	0. Segment Comment:							
	Coal Residual.							
	Is this a valid segment? Yes							

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
PM				Yes
PM10				Yes

# 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: PM - Particulate Matter - Total	2. Total Percent Efficiency of Control:				
3.	Potential Emissions: lb/hour te	ons/year	4.	Syn Lin	nthetica nited? Yes	llly □ No
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year				
6.	Emission Factor:				7. E	missions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 24	4-mc	onth Pe	riod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	/Ionit	toring l	Period:
	tons/year	□ 5 y	ears	5		$\square$ 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:	2. Total Percent Efficiency of Control:				
	PM10 - Particulate Matter - PM10					
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lim	thetica iited? Yes	llly □ No
5.	Range of Estimated Fugitive Emissions (as app	olicable):				
	to to	ons/year				
6.	Emission Factor:				7. E	missions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	-mo	nth Pe	riod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed M	onit	oring l	Period:
	tons/year	□ 5 y	ears			$\square$ 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.

# 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 1					
1.	Visible Emissions Subtype: VE20 - VISIBLE EMISSIONS - 20% NORMAL OPACITY	2.	Basis for Allows	able Opacity:		
3.	Allowable Opacity: Normal Conditions: % Excep Maximum Period of Excess Opacity Allowed:	otior	nal Conditions:	% min/hour		
4.	Method of Compliance:					
5.	Visible Emissions Comment: Equipment is either totally enclosed or fugitive 20% VE is the only requirement for EU's.	. VI	E testing not requi	red for EU 037/038. General		

#### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

Ado	I. EMISSIONS UNIT ADDITIONAL INFOR litional Requirements for All Applications, Except as Otherwise St	MATION <u>ated</u>
1.	Process Flow Diagram (Required for all permit applications, except T revision applications if this information was submitted to the departm years and would not be altered as a result of the revision being sough	Title V air operation permit tent within the previous five t)
	□ Applicable □ Previously Submitted, Date:	□ Attachment
2.	Fuel Analysis or Specification (Required for all permit applications, e permit revision applications if this information was submitted to the o previous five years and would not be altered as a result of the revision Applicable Previously Submitted Date:	except Title V air operation lepartment within the being sought)
3.	Detailed Description of Control Equipment (Required for all permit a 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 Information Previously Submitted, Date:	pplications, except Title V nitted to the department the revision being sought) Attachment
4.	Procedures for Startup and Shutdown (Required for all operation perm V air operation permit revision applications if this information was su within the previous five years and would not be altered as a result of t □ Applicable □ Previously Submitted, Date:	nit applications, except Title Ibmitted to the department the revision being sought)
5.	Operation and Maintenance Plan (Required for all permit applications permit revision applications if this information was submitted to the c previous five years and would not be altered as a result of the revision $\Box$ Applicable $\Box$ Previously Submitted, Date:	s, except Title V air operation lepartment within the h being sought) Attachment
6.	Compliance Demonstration Reports/Records	
	□ Applicable □ Previously Submitted, Date: □ To Be Submitted, Date (if known):	□ Attachment
	Previously Submitted Test Date(s)/Pollutants Tested:	
	To be Submitted Test Date(s)/Pollutants Tested:	
	Note: For FESOP applications, all required compliance demonstration submitted at the time of application. For Title V air operation permit a compliance demonstration reports/records must be submitted at the time of application.	n records/reports must be applications, all required me of application, or a

# 7. Other Information Required by Rule or Statute □ Applicable □ 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		
4.	Alternative Modes of Operation (Emissions Trading)	

#### Additional Requirements for Air Construction Permit Applications

1.	Control Technology Review and Analysis (Rules 62-212.400(10) CFR 63.43(d) and (e))	and 62-212.500(7), F.A.C.; 40
	□ Applicable	□ Attachment
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.4 212.500(4)(f), F.A.C.)	00(4)(d), F.A.C., and Rule 62-
		□ Attachment
3.	Description of Stack Sampling Facilities (Required for proposed r only)	new stack sampling facilities
		□ Attachment
Oth	er Information Regarding this Emissions Unit	
1.	Other Emissions Unit Information	

Applicable 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 tion Parmit Emissions Unit Classification

# **<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.
  - $\square$  The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

# **Emissions Unit Description and Status**

1.	Type of Emissions Unit Addressed in this Section: (Check one)					
	☐ This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).					
	☐ This Emissions process or produ (stack or vent) b	Unit Information Section ad uction units and activities w out may also produce fugitiv	ddresses, as a single emiss which has at least one defir we emissions.	sions unit, a group of nable emission point		
	<ul> <li>This Emissions process or produced</li> </ul>	Unit Information Section ad uction units and activities w	ddresses, as a single emiss hich produce fugitive emi	sions unit, one or more issions only.		
2.	Description of Emiss Coal Residual Trans	sions Unit Addressed in this afer System	s Section:			
3.	Emissions Unit Iden	tification Number: 38				
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	<ul> <li>7. Emissions Unit Major Group SIC Code: 49</li> </ul>		
8.	Federal Program App	plicability: (Check all that a	apply)			
	□ Acid Rain Unit					
	CAIR Unit					
9.	Package UnitModel Number:Manufacturer:					
10.	Generator Nameplate	te Rating: MW				
11.	Emissions Unit Com	nment:				

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

No Control Equipment information submitted.

# **B. EMISSIONS UNIT CAPACITY INFORMATION** (Optional for unregulated emissions units.)

# Emissions Unit Operating Capacity and Schedule

1.	Maximum Process or Throughput Rate: 200 TONS/HOUR				
2.	Maximum Production Rate:				
3.	Maximum Heat Input Rate: million Btu/hr				
4.	Maximum Incineration Rate:	pounds/hr tons/day			
5.	Requested Maximum Operating Schedule:	hours/day	days/week		
		weeks/year	hours/year		
6.	Operating Capacity/Schedule Comment:				

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

<u>Emi</u>	ssion Point Description and	<u>Гуре</u>				
1.	Identification of Point on Plo Diagram:	t Plan or Flow	<ol> <li>Emission Po</li> <li>4 - No true e</li> </ol>	int Type Code: emission point		
3.	Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:					
4.	. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:					
5.	Discharge Type Code: (F) FUGITIVE EMISSIONS, NO STACK EXISTS	<ol> <li>Stack Heigh feet</li> </ol>	t:	7. Exit Diameter: feet		
8.	Exit Temperature: ° F	9. Actual Volu Rate: acfm	10. Water Vapor: %			
11.	Maximum Dry Standard Flow dscfm	v Rate:	12. Nonstack En 20 feet	nission Point Height:		
13.	<ol> <li>Emission Point UTM Coordinates Zone: East (km): North (km):</li> </ol>		14. Emission Point Latitude/Longitude Latitude: Longitude:			
15.	Emission Point Comment:					

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

Segi	ment Description and Rate:	Segment 1 of 1		
1.	Segment Description (Proces	s/Fuel Type):		
2.	Source Classification Code (S 30510103	SCC):	3. SCC Units: Tons Materi	al Processed
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:			
	Is this a valid segment? Yes			

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
РМ				Yes
PM10				Yes

# 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: PM - Particulate Matter - Total	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour to	ons/year	4.	<ul> <li>4. Synthetically Limited?</li> <li>□ Yes □ No</li> </ul>					
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year									
6.	Emission Factor:				7. ]	Emissions Method Code:			
	Reference:				_				
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	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 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:	2. Total Percent Efficiency of Control:								
	PM10 - Particulate Matter - PM10									
3.	Potential Emissions: lb/hour te	ons/year	4. Synthetically Limited? □ Yes □ No							
5.	5. Range of Estimated Fugitive Emissions (as applicable):									
	to tons/year									
6.	Emission Factor:				7. E	missions Method Code:				
	Reference:									
8.a.	. Baseline Actual Emissions (if required):	8.b. Baseline 24-month Period:								
	tons/year	From:				To:				
9.a.	. Projected Actual Emissions (if required):	9.b. Projected Monitoring				Period:				
	tons/year	🗆 5 y	ears	3		$\square$ 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.

No Pollutant Allowable Emissions information submitted.

# 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 1						
1.	Visible Emissions Subtype: VE20 - VISIBLE EMISSIONS - 20% NORMAL OPACITY	2.	Basis for Allowa ☑ Rule	able Opacity:			
3.	3. Allowable Opacity:         Normal Conditions: %         Exceptional Conditions: %         Maximum Period of Excess Opacity Allowed:						
4.	. Method of Compliance:						
5.	<ol> <li>Visible Emissions Comment: Equipment is either totally enclosed or fugitive. VE testing not required for EU 037/038. General 20% VE is the only requirement for EU's.</li> </ol>						

### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

Add	I. EMISSIONS UNIT ADDITIONAL INFOR	MATION
1.	Process Flow Diagram (Required for all permit applications, except T revision applications if this information was submitted to the departm years and would not be altered as a result of the revision being sought	Title V air operation permit ent within the previous five
	Applicable Previously Submitted, Date:	Attachment
2.	Fuel Analysis or Specification (Required for all permit applications, e permit revision applications if this information was submitted to the d previous five years and would not be altered as a result of the revision	except Title V air operation lepartment within the being sought)
3.	Detailed Description of Control Equipment (Required for all permit again operation permit revision applications if this information was submitted within the previous five years and would not be altered as a result of the Applicable $\Box$ Previously Submitted, Date:	nitted to the department he revision being sought)
4.	Procedures for Startup and Shutdown (Required for all operation perm V air operation permit revision applications if this information was su within the previous five years and would not be altered as a result of t	nit applications, except Title bmitted to the department he revision being sought)
	Applicable Previously Submitted, Date:	Attachment
5.	Operation and Maintenance Plan (Required for all permit applications permit revision applications if this information was submitted to the d previous five years and would not be altered as a result of the revision	s, except Title V air operation lepartment within the being sought)
	□ Applicable □ Previously Submitted, Date:	☐ Attachment
6.	Compliance Demonstration Reports/Records□ Applicable□ Previously Submitted, Date:□ To Be Submitted, Date (if known):	□ Attachment
	Previously Submitted Test Date(s)/Pollutants Tested:	
	To be Submitted Test Date(s)/Pollutants Tested:	
	Note: For FESOP applications, all required compliance demonstration submitted at the time of application. For Title V air operation permit a compliance demonstration reports/records must be submitted at the tim compliance plan must be submitted at the time of application.	n records/reports must be applications, all required me of application, or a
7.	Other Information Required by Rule or Statute	
	□ Applicable	□ 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		
4.	Alternative Modes of Operation (Emissions Trading)	

#### Additional Requirements for Air Construction Permit Applications

1.	Control Technology Review and Analysis (Rules 62-212.400(10) CFR 63.43(d) and (e))	and 62-212.500(7), F.A.C.; 40
		Attachment
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.40 212.500(4)(f), F.A.C.)	00(4)(d), F.A.C., and Rule 62-
		□ Attachment
3.	Description of Stack Sampling Facilities (Required for proposed n	ew stack sampling facilities
	only)	
	only)	☐ Attachment
Oth	only) <ul> <li>Applicable</li> </ul> her Information Regarding this Emissions Unit	☐ Attachment
<b>Oth</b> 1.	only) <ul> <li>Applicable</li> </ul> er Information Regarding this Emissions Unit Other Emissions Unit Information	Attachment

Applicable 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 tion Parmit Emissions Unit Classification

# <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.
  - □ The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

## **Emissions Unit Description and Status**

1.	Type of Emissions Unit Addressed in this Section: (Check one)					
	This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).					
	□ This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.					
	☐ This Emissions process or produ	Unit Information Section a activities v	addresses, as a single emiss which produce fugitive em	sions unit, one or more issions only.		
2.	Description of Emiss Unit No. 4 Coal Bun	sions Unit Addressed in th ker with Roto-Clone	is Section:			
3.	Emissions Unit Iden	tification Number: 39				
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	<ul> <li>Emissions Unit Major Group SIC Code: 49</li> </ul>		
8.	<ul> <li>Federal Program Applicability: (Check all that apply)</li> <li>Acid Rain Unit</li> <li>CAIR Unit</li> </ul>					
9.	Package UnitModel Number:Manufacturer:					
10.	Generator Nameplate	e Rating: MW				
11.	Emissions Unit Com	ment:				

## **Emissions Unit Control Equipment**

Code	Equipment	Description
113	ROTOCLONE	

# **B. EMISSIONS UNIT CAPACITY INFORMATION** (Optional for unregulated emissions units.)

## Emissions Unit Operating Capacity and Schedule

1.	Maximum Process or Throughput Rate: 4000 TPH				
2.	Maximum Production Rate:				
3.	Maximum Heat Input Rate: million Btu/hr				
4.	Maximum Incineration Rate:	pounds/hr			
		tons/day			
5.	Requested Maximum Operating Schedule:				
		hours/day	days/week		
		weeks/year	4167 hours/year		
6.	Operating Capacity/Schedule Comment:				

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

Emi	<u>mission Point Description and Type</u>						
1.	Identification of Point on Plot Plan or Flow Diagram:		<ol> <li>Emission Point Type Code:</li> <li>1 - A single emission point serving a single emissions unit</li> </ol>				
3.	Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:						
4.	ID Numbers or Descriptions	of Emission Units	with this Emissio	on Point in Common:			
5.	Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION	<ol> <li>Stack Height:</li> <li>30 feet</li> </ol>		<ul><li>7. Exit Diameter:</li><li>1.7 feet</li></ul>			
8.	Exit Temperature: ° F	9. Actual Volumetric Flow Rate: 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**

Segi	ment Description and Rate:	Segment 1 of 1					
1.	Segment Description (Process/Fuel Type):						
2.	Source Classification Code (SCC):3.SCC Units:30510203Tons Material Processed						
4.	Maximum Hourly Rate: 4000	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:						
	Is this a valid segment? Yes						

Ast of Pollutants Emitted by Emissions Unit							
1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?			
PM	ROTOCLONE		EL	Yes			
PM10	ROTOCLONE			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: PM - Particulate Matter - Total	2. Total Percent Efficiency of Control:				
3.	Potential Emissions: .48 lb/hour .99 te	ons/year	4.	Syn Lim	thet itec Yes	tically 1? 5  Vo
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year				
6.	Emission Factor: 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 24	4-mo	onth	Period:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte	ed N vears	1onit	orir	ng 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 1 of 1 Basis for Allowable Emissions Code: 2. Future Effective Date of Allowable 1. Emissions: (ESCRACT) allow facility to escape RACT requirements Allowable Emissions and Units: 3. 4. Equivalent Allowable Emissions: .48 POUNDS/HOUR lb/hour .99 tons/year 5. Method of Compliance: 6. Allowable Emissions Comment (Description of Operating Method): PM stack testing is waived in lieu of 5% opacity limit. PM testing can be required if have reason to believe limits are being violated.

# 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:	2. Total P	erce	ent Ef	fficie	ncy of Control:
	PM10 - Particulate Matter - PM10					
3.	Potential Emissions: lb/hour te	ons/year	4.	Syn Lirr	ithetio nited? Yes	cally No
5.	Range of Estimated Fugitive Emissions (as app	licable):				
	to to	ons/year				
6.	Emission Factor:				7.	Emissions Method Code:
	Reference:			_		
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mc	onth F	Period:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	Aonit	toring	g Period:
	tons/year	□ 5 y	'ears	\$		$\square$ 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.

No Pollutant Allowable Emissions information submitted.

# G. VISIBLE EMISSIONS INFORMATION

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

Visi	<b><u>'isible Emissions Limitation:</u></b> Visible Emissions Limitation 1 of 1				
1.	Visible Emissions Subtype: VE05 - VISIBLE EMISSIONS - 5% NORMAL OPACITY	<ol> <li>Basis for Allowa</li> <li>✓ Rule</li> </ol>	able Opacity:		
3.	Allowable Opacity:Normal Conditions: 5%ExceptionMaximum Period of Excess Opacity Allowed:	ptional Conditions:	% min/hour		
4.	Method of Compliance: EPA ALTERNATE METHOD 1, EPA METH	OD 9, EPA METHOI	0 22		
5.	Visible Emissions Comment:				

### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

	I. EMISSIONS UNIT ADDITIONAL INFORM	ATION
<b>Add</b> 1.	Process Flow Diagram (Required for all permit applications, except Title revision applications if this information was submitted to the department years and would not be altered as a result of the revision being sought)	e V air operation permit within the previous five
2.	Fuel Analysis or Specification (Required for all permit applications, exce permit revision applications if this information was submitted to the depa previous five years and would not be altered as a result of the revision be Applicable Previously Submitted, Date:	ept Title V air operation artment within the eing sought)
3.	Detailed Description of Control Equipment (Required for all permit appl air operation permit revision applications if this information was submitt within the previous five years and would not be altered as a result of the Applicable	ications, except Title V ted to the department revision being sought) Attachment
4.	Procedures for Startup and Shutdown (Required for all operation permit V 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:	applications, except Title nitted to the department revision being sought)
5.	Operation and Maintenance Plan (Required for all permit applications, en permit revision applications if this information was submitted to the depa previous five years and would not be altered as a result of the revision be	xcept Title V air operation artment within the eing sought)
6.	Compliance Demonstration Reports/Records <ul> <li>Applicable</li> <li>Previously Submitted, Date:</li> <li>To Be Submitted, Date (if known):</li> </ul> <li>Previously Submitted Test Date(s)/Pollutants Tested:</li> <li>To be Submitted Test Date(s)/Pollutants Tested:</li> <li>Note: For FESOP applications, all required compliance demonstration resubmitted at the time of application. For Title V air operation permit application</li>	☐ Attachment ecords/reports must be dications, all required
	compliance demonstration reports/records must be submitted at the time compliance plan must be submitted at the time of application.	of application, or a
7.	Other Information Required by Rule or Statute Applicable	□ 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)	
	Alternative wodes of Operation (Emissions Trading)	

### Additional Requirements for Air Construction Permit Applications

1.	Control Technology Review and Analysis (Rules 62-212.400(10) CFR 63.43(d) and (e))	and 62-212.500(7), F.A.C.; 40
		□ Attachment
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.4 212.500(4)(f), F.A.C.)	00(4)(d), F.A.C., and Rule 62-
		□ Attachment
3.	Description of Stack Sampling Facilities (Required for proposed r only)	new stack sampling facilities
		□ Attachment
Oth	er Information Regarding this Emissions Unit	
1.	Other Emissions Unit Information	

☐ Applicable ☐ 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 tion Parmit Emissions Unit Classification

# **<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.
  - $\Box$  The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

## **Emissions Unit Description and Status**

1.	Type of Emissions Unit Addressed in this Section: (Check one)					
	✓ This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).					
	☐ This Emissions process or produ (stack or vent) b	Unit Information Section a action units and activities we ut may also produce fugition	ddresses, as a single emis which has at least one defi ve emissions.	sions unit, a group of nable emission point		
	☐ This Emissions process or produ	Unit Information Section a activities with the section units and activities with the section of	ddresses, as a single emis which produce fugitive em	sions unit, one or more hissions only.		
2.	Description of Emissions Unit Addressed in this Section: Unit 4: SCCT 4A: PWPS FT8-3 SwiftPac CT/Gen Peaking Unit					
3.	Emissions Unit Iden	tification Number: 41				
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	<ul> <li>7. Emissions Unit Major Group SIC Code: 49</li> </ul>		
8.	Federal Program App ☐ Acid Rain Unit ☐ CAIR Unit	plicability: (Check all that	apply)			
9.	Package UnitPRATT WHITNEYModel Number:FT8-3 SWIFTPACManufacturer:					
10.	Generator Nameplate	e Rating: 31 MW				
11.	Emissions Unit Com Total combined MW	ment: with SCCT 4B and comn	non generator: 62 MW. Se	ee comments.		

## **Emissions Unit Control Equipment**

Code	Equipment	Description
28	STEAM OR WATER INJECTION	Water injection for the control of NOx emissions.
109	CATALYTIC OXIDIZER	Catalytic oxidation for the control of CO and VOC emissions.

#### **B. EMISSIONS UNIT CAPACITY INFORMATION** (Optional for unregulated emissions units.) Emissions Unit Operating Capacity and Schedule

	issions only operating capacity and bene		
1.	Maximum Process or Throughput Rate:		
2.	Maximum Production Rate:		
3.	Maximum Heat Input Rate: 342.7 million	Btu/hr	
4.	Maximum Incineration Rate:	pounds/hr	
		tons/day	
5.	Requested Maximum Operating Schedule:		
		hours/day	days/week
		weeks/year	3500 hours/year
6.	Operating Capacity/Schedule Comment:		
	When firing natural gas. 302.7 MMBtu/hr	when firing ULSD.	

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

Emi	ssion Point Description and	<u>Type</u>		
1.	Identification of Point on Plo Diagram:	t Plan or Flow	<ol> <li>Emission Po</li> <li>1 - A single emissions ur</li> </ol>	int Type Code: emission point serving a single nit
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	on Point in Common:
5.	Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION	<ol> <li>Stack Heigh</li> <li>60 feet</li> </ol>	t:	<ol> <li>7. Exit Diameter:</li> <li>9.5 feet</li> </ol>
8.	Exit Temperature: 893° F	9. Actual Volu Rate: 430737 acfn	metric Flow	10. Water Vapor: %
11.	Maximum Dry Standard Flow dscfm	v Rate:	12. Nonstack Emission Point Height: feet	
13.	3. Emission Point UTM Coordinates Zone: 17 East (km): 361.9 North (km): 3075		14. Emission Point Latitude/Longitude Latitude: 27° 47' 38" N Longitude: 82° 24' 57" W	
15.	Emission Point Comment:			

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

Seg	ment Description and Rate:	Segment 1 of 2				
1.	Segment Description (Proces Reciprocating internal combu	s/Fuel Type): astion turbine-gen	erator set using U	LSD		
2.	Source Classification Code (S 20100101	SCC):	3. SCC Units: 1000 Gallon	s Distillate Oil (Diesel) Burned		
4.	Maximum Hourly Rate: 2.27	5. Maximum A 1135	Annual Rate:	6. Estimated Annual Activity Factor:		
7.	Maximum % Sulfur:	8. Maximum %	% Ash:	9. Million Btu per SCC Unit: 133		
10.	<ol> <li>Segment Comment: Max. sulfur content is 0.0015 %, by weight (see comments). Allowed to operate 500 hrs/yr while firing ULSD.</li> </ol>					
	Is this a valid segment? Yes					

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

1.	Segment Description (Process/Fuel Type):						
2.	Source Classification Code (S 20100201	SCC):	3. SCC Units: Million Cub	ic 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:						
	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	CATALYTIC OXIDIZER		EL	Yes
NOX	STEAM OR WATER INJECTION		EL	Yes
PM	NO CONTROL EQUIPMENT		NS	Yes
PM10	NO CONTROL EQUIPMENT		NS	Yes
SO2	NO CONTROL EQUIPMENT		NS	Yes
VOC	CATALYTIC OXIDIZER		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	<ol> <li>Total P</li> <li>90</li> </ol>	ercent E	Efficien	cy of Control:						
3.	Potential Emissions: 9.1 lb/hour 8.3 t	ons/year	4. Syn Lir	nthetica nited? Yes	ally □ No						
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year									
6.	Emission Factor: 21 PPMVD @ 15% O2 Reference:			7. E (: U F T N	Cmissions Method Code: 5) CALCULATED JSING EMISSION ACTOR OTHER HAN ONE LISTED IN METHOD 1 - 4.						
8.a	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24-m	onth Pe	eriod: To:						
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Projecto □ 5 y	ed Moni vears	toring	Period:						
10. Calculation of Emissions:											
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Commer	nt:		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 2 Basis for Allowable Emissions Code: 2. Future Effective Date of Allowable 1. **Emissions**: (ESCPSD) allow facility/modification to escape PSD preconstruction review 3. Allowable Emissions and Units: 4. Equivalent Allowable Emissions: 21 PARTS PER MILLION DRY GAS 9.1 lb/hour 15.925 tons/year VOLUME @ 15% O2 5. Method of Compliance: CEMS (3 hr rolling avg.) Allowable Emissions Comment (Description of Operating Method): 6. While firing N.G. Allowed to use the CEMS RATA for the formal annual compliance test as long as the Compliance Authority is formally notified (15 days) pursuant to Rule 62-297.310(7)(a)9., F.A.C.

### Allowable Emissions Allowable Emissions 2 of 2

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: 5.1 PARTS PER MILLION DRY GAS VOLUME @ 15% O2	<ul><li>4. Equivalent Allowable Emissions:</li><li>2.1 lb/hour</li><li>3.7 tons/year</li></ul>			
5.	Method of Compliance: CEMS (3 hr rolling avg.)				
6.	Allowable Emissions Comment (Description of Operating Method): While firing ULSD. Allowed to use the CEMS RATA for the annual compliance test as long as the Compliance Authority is formally notified (15 days) pursuant to Rule 62-297.31(7)(a)9., F.A.C.				

# 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:	2. Total Percent Efficiency of Control:							
	NOX - Nitrogen Oxides	88							
3.	Potential Emissions: 32 lb/hour 56 to	ons/year	4. Syr Lin	nthetic nited? Yes	cally				
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year								
6.	Emission Factor: 25 PPMVD @ 15% O2 Reference:			7.	Emissions Method Code: (5) CALCULATED USING EMISSION FACTOR OTHER THAN ONE LISTED IN METHOD 1 - 4.				
8.a	Baseline Actual Emissions (if required):	8.b. Baselin	ne 24-m	onth P	Period:				
	tons/year	From:			To:				
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Projecto □ 5 y	ed Moni vears	toring	Period:				
10. Calculation of Emissions:									
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Commer	nt:	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 3

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: 74 PARTS PER MILLION DRY GAS VOLUME @ 15% O2	4.	Equivalent Allowable Emissions: lb/hour	tons/year
5.	Method of Compliance: CEMS (4 h rolling avg.)			
6.	Allowable Emissions Comment (Description o While firing ULSD.	f Op	erating Method):	

### Allowable Emissions 2 of 3

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: 25 PARTS PER MILLION DRY GAS VOLUME @ 15% O2	4.	Equivalent Allowable Emissions: 32 lb/hour 56 tons/year			
5.	Method of Compliance: CEMS (4 hr rolling avg)					
6.	. Allowable Emissions Comment (Description of Operating Method): While firing N.G. Allowed to use the CEMS RATA for the annual compliance test as long as the					

Compliance Authority is formally notified (15 days) pursuant to Rule 62-297.310(7)(a)9., F.A.C.

### Allowable Emissions 3 of 3

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: 96 PARTS PER MILLION DRY GAS VOLUME @ 15% O2	4.	Equivalent Allowable Emissions: lb/hour tons/year		
5.	Method of Compliance: CEMS (4 hr rolling avg)				
6.	Allowable Emissions Comment (Description of Operating Method): While firing less than 75% of peak load. 40 CFR 60 Subpart KKKK and Permit No. 0570039- 066-AC				

# 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:	2. Total Percent Efficiency of Control:					
	PM - Particulate Matter - Total						
3.	Potential Emissions: lb/hour to	ons/year	4. S	Synthetical Limited?	ly □ No		
5.	Range of Estimated Fugitive Emissions (as app	licable):					
	to to	ons/year					
6.	Emission Factor:			7. En	nissions Method Code:		
	Reference:						
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24-	month Per	iod:		
	tons/year	From:			To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projected Monitoring Period:					
	tons/year	□ 5 y	ears		$\Box$ 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.
(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:				
	PM10 - Particulate Matter - PM10					
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lim	thetica iited? Yes	llly □ No
5.	Range of Estimated Fugitive Emissions (as app	olicable):				
	to tons/year					
6.	Emission Factor:				7. E	missions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	-mo	nth Pe	riod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed M	onit	oring l	Period:
	tons/year	□ 5 y	ears			$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: SO2 - Sulfur Dioxide	2. Total P	'erce	ent E	fficiend	cy of C	Control:
3.	Potential Emissions: 1.9 lb/hour 3.3 te	ons/year	4.	Syn Lin	nthetica nited? Yes	ılly	🗆 No
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year						
6.	Emission Factor: 2 GRAINS SULFUR PER 100 S CUBIC FEET OF GAS Reference:	Tission Factor: 2 GRAINS SULFUR PER 100 STANDARD CUBIC FEET OF GAS Prence:				missio ) CAL SING ACTO HAN ( IETHC	ns Method Code: CULATED EMISSION R OTHER ONE LISTED IN DD 1 - 4.
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 2	4-mc	onth Pe	riod: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: □ 5 years □ 10 years				: 0 years	
10.	10. Calculation of Emissions:						
11.	<ol> <li>Pollutant Potential, Fugitive, and Actual Emissions Comment: Limited to a max. sulfur content of 2 gr/100 scf pipeline quality natural gas; also, limited to firing ULSD with a max. sulfur content of 0.0015 %, by weight, for no more than 500 hours/year.</li> </ol>						

# 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: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	Future Effective Date of Allo Emissions:	owable
3.	Allowable Emissions and Units: .9 POUNDS PER MEGAWATT-HOUR	4.	Equivalent Allowable Emiss 28.8 lb/hour	ions: 50.4 tons/year
5.	Method of Compliance: Fuel sampling analysis			
6.	Allowable Emissions Comment (Description o While burning NG.	f Op	erating Method):	

### Allowable Emissions 2 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: .06 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 20.562 lb/hour 35.9835 tons/year			
5.	Method of Compliance: Fuel sampling analysis					
6.	Allowable Emissions Comment (Description of Operating Method): While firing NG.					

### Allowable Emissions Allowable Emissions 3 of 6

1.	Basis for Allowable Emissions Code: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	Future Effective Date of Allow Emissions:	wable
3.	Allowable Emissions and Units: .9 POUNDS PER MEGAWATT-HOUR	4.	Equivalent Allowable Emissi 28.8 lb/hour	ons: 7.2 tons/year
5.	Method of Compliance: Fuel sampling analysis			
6.	Allowable Emissions Comment (Description o While firing ULSD.	f Op	erating Method):	

### Allowable Emissions Allowable Emissions 4 of 6

1.	Basis for Allowable Emissions Code: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	Future Effective Date of A Emissions:	llowable	
3.	Allowable Emissions and Units: .06 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: 20.562 lb/hour 5.1405 tons/		
5.	Method of Compliance: Fuel sampling analysis	•			
6.	Allowable Emissions Comment (Description o While firing ULSD.	f Op	erating Method):		

### <u>Allowable Emissions</u> Allowable Emissions 5 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:	2		
3.	Allowable Emissions and Units: 2 GRAINS SULFUR PER 100 STANDARD CUBIC FEET OF GAS	4.	Equivalent Allowable Emissions: lb/hour	tons/year		
5.	. Method of Compliance: Fuel analysis per 40 CFR 75, Appendix D.					
6.	Allowable Emissions Comment (Description of Operating Method): Limited to a max. sulfur content of 2 gr/100 scf pipeline quality natural gas.					

### <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:	e		
3.	Allowable Emissions and Units: .0015 PERCENT SULFUR IN FUEL	4.	4. Equivalent Allowable Emissions: lb/hour tons/2			
5.	Method of Compliance: Fuel analysis per 40 CFR 75, Appendix D.					
6.	Allowable Emissions Comment (Description of Operating Method): SO2 emissions minimized by firing ULSD with a max. sulfur content of 0.0015 %, by weight, for no more than 500 hours/year					

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:					
	VOC - Volatile Organic Compounds	50					
3.	Potential Emissions: 5.1 lb/hour 2.4 t	ons/year	4.	Syn Lim	theti ited Yes	cally?	□ No
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year						
6.	Emission Factor:				7.	Emissie (5) CA USINC FACT(	ons Method Code: LCULATED G EMISSION OR OTHER
	Reference:					METH	ONE LISTED IN [OD 1 - 4.
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mo	onth ]	Period:	
	tons/year	From:				To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed M vears	Ionit	oring	g Period	d: 10 years
10.	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.

## 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 1					
1.	Visible Emissions Subtype: VE10 - VISIBLE EMISSIONS - 10% NORMAL OPACITY	<ol> <li>Basis for Allow</li> <li>☑ Rule</li> </ol>	able Opacity:			
3.	Allowable Opacity:         Normal Conditions: 10%       Exceptional Conditions: %         Maximum Period of Excess Opacity Allowed:       min/hour					
4.	Method of Compliance:					
5.	Visible Emissions Comment: Permit No. 0570039-040-AC					

### **H. CONTINUOUS MONITOR INFORMATION**

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

-			
<u>Continuous</u>	<u>S Monitoring System:</u>	Continuous Monitor 1 of 2	

1.	Parameter Code: EM - EMISSION	2.	Pollutant(s): NOX		
3.	CMS Requirement:	□ R	lule	□ Other	
4.	Monitor Information Manufacturer: THERMO FISHER Model Number: 421-HL		Serial Number:		
5.	Installation Date:	6.	Performance Specific	cation Test Date:	
7.	Continuous Monitor Comment: NOx				
	Status: Active				
Con	tinuous Monitoring System: Continuous Mo	nitor	2 of 2		
1.	Parameter Code: EM - EMISSION	2.	Pollutant(s): CO		
3.	CMS Requirement:	□ R	ule	□ 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				
	Status: Active				

	I. EMISSIONS UNIT ADDITIONAL INFOR	MATION
<b>Add</b> 1.	<b>litional Requirements for All Applications, Except as Otherwise St</b> Process Flow Diagram (Required for all permit applications, except T revision applications if this information was submitted to the departm years and would not be altered as a result of the revision being sough	Title V air operation permit ent within the previous five t)
2	E Applicable E Previously Submitted, Date:	Attachment
۷.	permit revision applications if this information was submitted to the c previous five years and would not be altered as a result of the revision Applicable Previously Submitted Date:	lepartment within the r being sought)
3.	Detailed Description of Control Equipment (Required for all permit a 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:	pplications, except Title V nitted 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 su within the previous five years and would not be altered as a result of the □ Applicable □ Previously Submitted, Date:	nit applications, except Title Ibmitted to the department the revision being sought)
5.	Operation and Maintenance Plan (Required for all permit applications permit revision applications if this information was submitted to the operations five years and would not be altered as a result of the revision	s, except Title V air operation lepartment within the n being sought)
6.	Compliance Demonstration Reports/Records <ul> <li>Applicable</li> <li>Previously Submitted, Date:</li> <li>To Be Submitted, Date (if known):</li> </ul> Previously Submitted Test Date(s)/Pollutants Tested: To be Submitted Test Date(s)/Pollutants Tested:	☐ Attachment
	Note: For FESOP applications, all required compliance demonstration submitted at the time of application. For Title V air operation permit a compliance demonstration reports/records must be submitted at the ti- compliance plan must be submitted at the time of application.	n records/reports must be applications, all required me 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		
4.	Alternative Modes of Operation (Emissions Trading)	

### Additional Requirements for Air Construction Permit Applications

1.	Control Technology Review and Analysis (Rules 62-212.400(10) CFR 63.43(d) and (e))	and 62-212.500(7), F.A.C.; 40
		□ Attachment
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.4 212.500(4)(f), F.A.C.)	00(4)(d), F.A.C., and Rule 62-
		□ Attachment
3.	Description of Stack Sampling Facilities (Required for proposed r only)	new stack sampling facilities
		□ Attachment
Oth	er Information Regarding this Emissions Unit	
1.	Other Emissions Unit Information	

Applicable 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 tion Parmit Emissions Unit Classification

## **<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.
  - $\square$  The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

### **Emissions Unit Description and Status**

1.	Type of Emissions Unit Addressed in this Section: (Check one)					
	This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).					
	☐ This Emissions process or produ (stack or vent) b	Unit Information Section a action units and activities w ut may also produce fugiti	addresses, as a single emi which has at least one def ive emissions.	ssions unit, a group of inable emission point		
	This Emissions process or produ	Unit Information Section a uction units and activities v	addresses, as a single emi which produce fugitive er	ssions unit, one or more nissions only.		
2.	Description of Emiss Unit 4: SCCT 4B: P	sions Unit Addressed in th WPS FT8-3 SwiftPac CT/0	is Section: Gen Peaking Unit			
3.	Emissions Unit Ident	tification Number: 42				
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	<ul> <li>7. Emissions Unit Major Group SIC Code: 49</li> </ul>		
8.	<ul> <li>Federal Program Applicability: (Check all that apply)</li> <li>Acid Rain Unit</li> <li>CAIR Unit</li> </ul>					
9.	Package UnitPRATT WHITNEYModel Number:FT8-3 SWIFTPACManufacturer:					
10.	Generator Nameplate	e Rating: 31 MW				
11.	Emissions Unit Com Total combined MW	ment: with SCCT 4A and comm	non generator: 62 MW. S	ee comments.		

### **Emissions Unit Control Equipment**

Code	Equipment	Description
28	STEAM OR WATER INJECTION	Steam and Water Injection
109	CATALYTIC OXIDIZER	Catalytic Oxidation

#### **B. EMISSIONS UNIT CAPACITY INFORMATION** (Optional for unregulated emissions units.) Emissions Unit Operating Capacity and Schedule

	<u>Emissions Unit Operating Capacity and Schedule</u>					
1.	Maximum Process or Throughput Rate:					
2.	Maximum Production Rate:					
3.	. Maximum Heat Input Rate: 342.7 million Btu/hr					
4.	Maximum Incineration Rate:	pounds/hr				
		tons/day				
5.	Requested Maximum Operating Schedule:					
		hours/day	days/week			
		weeks/year	3500 hours/year			
6.	Operating Capacity/Schedule Comment:					
	When firing natural gas. 302.7 MMBtu/hr v	vhen firing ULSD.	When firing natural gas. 302.7 MMBtu/hr when firing ULSD.			

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

Emi	mission Point Description and Type					
1.	Identification of Point on Plot Plan or Flow Diagram:		<ul> <li>2. Emission Point Type Code:</li> <li>1 - A single emission point serving a single emissions unit</li> </ul>			
3.	Descriptions of Emission Poi	nts Comprising th	is Emissions Unit	for VE Tracking:		
4.	ID Numbers or Descriptions	of Emission Units	with this Emissio	n Point in Common:		
5.	Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION	<ul><li>6. Stack Height:</li><li>60 feet</li></ul>		<ol> <li>7. Exit Diameter:</li> <li>9.5 feet</li> </ol>		
8.	Exit Temperature: 893° F	9. Actual Volu Rate: 430737 acfn	metric Flow	10. Water Vapor: %		
11.	. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: feet			
13.	3. Emission Point UTM Coordinates Zone: 17 East (km): 361.9 North (km): 3075		14. Emission Po I	int Latitude/Longitude Latitude: 27° 47' 38" N Longitude: 82° 24' 57" W		
15.	Emission Point Comment:					

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

Seg	ment Description and Rate:	Segment 1 of 2	,			
1.	. Segment Description (Process/Fuel Type):					
2.	Source Classification Code (S 20100101	SCC):	3. SCC Units: 1000 Gallon	s Distillate Oil (Diesel) Burned		
4.	Maximum Hourly Rate: 2.27	5. Maximum Annual Rate: 1135		6. Estimated Annual Activity Factor:		
7.	Maximum % Sulfur:	8. Maximum % Ash: .1		9. Million Btu per SCC Unit:		
10.	<ul> <li>0. Segment Comment: Max. sulfur content is 0.0015 %, by weight (see comments). Allowed to be fired for a max. of 500 hrs/yr - for each hour that ULSD is not fired during the year.</li> </ul>					
	Is this a valid segment? Yes					

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

1.	Segment Description (Process/Fuel Type):					
2.	Source Classification Code (S 20100201	SCC):	3. SCC Units: Million Cub	ic Feet Natural Gas Burned		
4.	Maximum Hourly Rate: .332	5. Maximum Annual Rate: 1162		6. Estimated Annual Activity Factor:		
7.	Maximum % Sulfur:	8. Maximum % Ash:		9. Million Btu per SCC Unit: 1034		
10.	<ul> <li>Segment Comment:</li> <li>Allowed to fire pipeline quality natural gas for a max. of 3500 hrs/yr if no ULSD is fired during the year - must decrease each hour allowed for every hour that ULSD is fired</li> </ul>					
	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	CATALYTIC OXIDIZER		EL	Yes
NOX	STEAM OR WATER INJECTION		EL	Yes
PM			NS	Yes
PM10			NS	Yes
SO2			NS	Yes
VOC	CATALYTIC OXIDIZER		NS	Yes

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

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total P	erce	ent E	fficien	cy of Control:
3.	Potential Emissions: 9.1 lb/hour 8.3 t	ons/year	4.	Syr Lin	nthetica nited? Yes	ally □ No
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): cons/year				
6.	Emission Factor: 21 PPMVD @ 15% O2 Reference:				7. E (: U F T N	Emissions Method Code: 5) CALCULATED JSING EMISSION CACTOR OTHER THAN ONE LISTED IN METHOD 1 - 4.
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth Pe	eriod: To:
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto □ 5 y	ed N vears	/Ionit	toring	Period:
10.	Calculation of Emissions:					
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment: Emission factor (EF) is the permit limit while firing pipeline quality natural gas. The EF and permit limit while firing ULSD is 5.1 ppmvd @ 15% oxygen.					

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

Allowable Emissions Allowable Emissions 1 of 2 Basis for Allowable Emissions Code: Future Effective Date of Allowable 2. 1. **Emissions**: (ESCPSD) allow facility/modification to escape PSD preconstruction review 3. Allowable Emissions and Units: 4. Equivalent Allowable Emissions: 21 PARTS PER MILLION DRY GAS 9.1 lb/hour 15.8 tons/year VOLUME @ 15% O2 5. Method of Compliance: CEMS and EPA Method 10 Allowable Emissions Comment (Description of Operating Method): 6. Allowed to use the CEMS RATA for the annual compliance test as long as the Compliance Authority has been formally notified (15 day) pursuant to Rule 62-297.310(7)(a)9., F.A.C.

### Allowable Emissions 2 of 2

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:	4.	Equivalent Allowable Emissions:		
	5.1 PARTS PER MILLION DRY GAS VOLUME @ 15% O2		2.1 lb/hour 3.7 tons/year		
5.	Method of Compliance: CEMS and EPA Method 10				
6.	Allowable Emissions Comment (Description of Operating Method):				
	Allowed to use the CEMS Rata for the annual compliance test as long as the Compliance Authority has been notified (15-day) pursuant to Rule 62-297.310(7)(a)9., F.A.C.				

(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:					
	NOX - Nitrogen Oxides	88					
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: 25 PPMVD @ 15% O2 Reference:			7. Emiss (5) CA USIN FACT THAN METI	ions Method Code: ALCULATED G EMISSION OR OTHER N ONE LISTED IN HOD 1 - 4.		
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. Project □ 5 y	ed Moni vears	toring Perio	od: 10 years		
10.	Calculation of Emissions:						
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment: Emission factor (EF) is a permit limit while firing pipeline quality natural gas. The EF and permit limit while firing ULSD is 42 ppmvd @ 15% oxygen.						

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

Allowable Emissions 1 of 3

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: 25 PARTS PER MILLION DRY GAS VOLUME @ 15% O2	4.	Equivalent Allowable Emissions: 32 lb/hour 56 tons/year
5.	Method of Compliance: CEMS and EPA Method 7E		
6.	Allowable Emissions Comment (Description o Allowable limit is while firing pipeline quality	f Op natu	erating Method): Iral gas.

### Allowable Emissions Allowable Emissions 2 of 3

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: 74 PARTS PER MILLION DRY GAS VOLUME @ 15% O2	4.	Equivalent Allowable Emissions: lb/hour tons/year
5.	Method of Compliance: CEMS and EPA Methos 7E		
6.	Allowable Emissions Comment (Description o Allowable limit is while firing ULSD with a m	f Op ax. s	erating Method): sulfur content of 0.0015%, by weight.

### Allowable Emissions Allowable Emissions 3 of 3

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: 96 PARTS PER MILLION DRY GAS VOLUME @ 15% O2	4.	4. Equivalent Allowable Emissions: lb/hour to			
5.	Method of Compliance:					
6.	Allowable Emissions Comment (Description of Operating Method): When operating at less than 75% of peak load					

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:					
	PM - Particulate Matter - Total						
3.	Potential Emissions: lb/hour to	ons/year	4. S	Synthetical Limited?	ly □ No		
5.	Range of Estimated Fugitive Emissions (as app	licable):					
	to to	ons/year					
6.	Emission Factor:			7. En	nissions Method Code:		
	Reference:						
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24-	month Per	iod:		
	tons/year	From:			To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed Mo	nitoring P	eriod:		
	tons/year	□ 5 y	ears		$\Box$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:					
	PM10 - Particulate Matter - PM10						
3.	Potential Emissions: lb/hour te	ons/year	4.	Syn Lim	thetic iited? Yes	ally □ No	
5.	Range of Estimated Fugitive Emissions (as app	licable):					
	to to	ons/year					
6.	Emission Factor:				7. E	Emissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	l-mo	onth Pe	eriod:	
	tons/year	From:				To:	
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed M	lonit	oring	Period:	
	tons/year	□ 5 y	rears			$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: SO2 - Sulfur Dioxide	2. Total P	erce	ent E	fficien	cy of Control:		
3.	Potential Emissions: 1.9 lb/hour 3.3 to	ons/year 4. Syr Lin			nthetica nited? Yes	llly □ No		
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year							
6.	Emission Factor: 2 GRAINS SULFUR PER 100 S CUBIC FEET OF GAS Reference:	STANDARD	)		7. E (5 U F. T M	missions Method Code: 5) CALCULATED SING EMISSION ACTOR OTHER HAN ONE LISTED IN IETHOD 1 - 4.		
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-mo From:			onth Pe	riod: To:		
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto □ 5 y	ed N ears	/Ionit	toring l	Period:		
10.	10. Calculation of Emissions:							
11.	1. Pollutant Potential, Fugitive, and Actual Emissions Comment: Emission factor (EF) is a permit limit while firing pipeline quality natural gas. The EF and permit limit while firing ULSD is 0.0015%, by weight, and limited to firing for no more than 500 hours/yr.							

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

Allowable Emissions 1 of 5 Basis for Allowable Emissions Code: 2. Future Effective Date of Allowable 1. **Emissions**: (OTHER) assumed by applicant for other reasons (Explain in comment field) Allowable Emissions and Units: 3. 4. Equivalent Allowable Emissions: .9 POUNDS PER MEGAWATT-HOUR lb/hour tons/year Method of Compliance: 5. Fuel analysis per 40 CFR 75, Appendix D. Allowable Emissions Comment (Description of Operating Method): 6. When firing Natural Gas. Limited to a max. sulfur content of 2 gr/100 scf of pipeline quality natural gas.

### Allowable Emissions 2 of 5

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: .0015 PERCENT SULFUR IN FUEL	4.	Equivalent Allowable Emissions: .5 lb/hour .1 tons/year
5.	Method of Compliance: Fuel analysis per 40 CFR 75, Appendix D.		
6.	Allowable Emissions Comment (Description o	f Op	erating Method):

Limited while firing ULSD for no more than 500 hours/year.

### Allowable Emissions Allowable Emissions 3 of 5

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: .06 POUNDS PER MILLION BTU HEAT INPUT	4.	4. Equivalent Allowable Emissions: lb/hour ton		
5.	Method of Compliance:				
6.	Allowable Emissions Comment (Description o When firing Natural Gas.	f Op	erating Method):		

### Allowable Emissions Allowable Emissions 4 of 5

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: .09 POUNDS PER MEGAWATT-HOUR	4. Equivalent Allowable Emissions: lb/hour ton			
5.	Method of Compliance:	-			
6.	Allowable Emissions Comment (Description o When firing Ultra Low Sulfur Diesel (ULSD).	f Op	erating Method):		

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

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: .06 POUNDS PER MILLION BTU HEAT INPUT	4.	Equivalent Allowable Emissions: lb/hour	tons/year
5.	Method of Compliance:	-		
6.	Allowable Emissions Comment (Description of When firing Ultra Low Sulfur Diesel (ULSD).	f Op	erating Method):	

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:					
	VOC - Volatile Organic Compounds						
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn <sup>*</sup> Lim	thetica ited? Yes	ally	
5.	Range of Estimated Fugitive Emissions (as app	licable):					
	to to	ons/year					
6.	Emission Factor:				7. E	missions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	-mo	nth Pe	eriod:	
	tons/year	From:				To:	
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed M	onit	oring	Period:	
	tons/year	□ 5 y	ears			$\square$ 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.

## G. VISIBLE EMISSIONS INFORMATION

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1				
1.	Visible Emissions Subtype: VE10 - VISIBLE EMISSIONS - 10% NORMAL OPACITY	<ol> <li>Basis for Allow</li> <li>□ Rule</li> </ol>	able Opacity: Other	
3.	Allowable Opacity: Normal Conditions: 10% Excep Maximum Period of Excess Opacity Allowed:	ptional Conditions:	% min/hour	
4.	Method of Compliance:			
5.	Visible Emissions Comment: Permit No. 0570039-040-AC			

Status: Active

### **H. CONTINUOUS MONITOR INFORMATION**

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

<b>Continuous Monitoring System:</b>	Continuous Monitor 1 of 2

1.	Parameter Code: EM - EMISSION	2.	Pollutant(s): NOX	
3.	CMS Requirement:		Rule	□ Other
4.	Monitor Information Manufacturer: THERMO FISHER Model Number: 42I-HL		Seria Number:	1
5.	Installation Date:	6.	Performance Speci	fication Test Date:
7.	Continuous Monitor Comment:			
	Status: Active			
<b>Continuous Monitoring System:</b> Continuous Monitor 2 of 2				
1.	Parameter Code:	2.	Pollutant(s):	
	EM - EMISSION		СО	
3.	CMS Requirement:		Rule	□ Other
4.	Monitor Information Manufacturer: THERMOFISHER Model 48I Number:	Serial Number:		
5.	Installation Date:	6.	Performance Speci	fication Test Date:
7.	Continuous Monitor Comment: CO	<u>.</u>		

	I. EMISSIONS UNIT ADDITIONAL INFO	RMATION
<b>Add</b> 1.	Process Flow Diagram (Required for all permit applications, except as Otherwise S revision applications if this information was submitted to the depart years and would not be altered as a result of the revision being soug	Title V air operation permit ment within the previous five ht)
2.	Fuel Analysis or Specification (Required for all permit applications, permit revision applications if this information was submitted to the previous five years and would not be altered as a result of the revision of the previously Submitted, Date:	e except Title V air operation department within the on being sought)
3.	Detailed Description of Control Equipment (Required for all permit 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	applications, except Title V bmitted to the department f the revision being sought)
4.	Procedures for Startup and Shutdown (Required for all operation per V air operation permit revision applications if this information was within the previous five years and would not be altered as a result of □ Applicable □ Previously Submitted, Date:	rmit applications, except Title submitted to the department f the revision being sought)
5.	Operation and Maintenance Plan (Required for all permit application permit revision applications if this information was submitted to the previous five years and would not be altered as a result of the revision $\Box$ Applicable $\Box$ Previously Submitted, Date:	ns, except Title V air operation e department within the on being sought)
6.	Compliance Demonstration Reports/Records <ul> <li>Applicable</li> <li>Previously Submitted, Date:</li> <li>To Be Submitted, Date (if known):</li> </ul> Previously Submitted Test Date(s)/Pollutants Tested: To be Submitted Test Date(s)/Pollutants Tested: Note: For FESOP applications, all required compliance demonstrati submitted at the time of application. For Title V air operation permi compliance demonstration reports/records must be submitted at the time of application.	☐ Attachment on records/reports must be t applications, all required time of application, or a
7.	Other Information Required by Rule or Statute	

□ Applicable

□ 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)	
#### Additional Requirements for Air Construction Permit Applications

1.	Control Technology Review and Analysis (Rules 62-212.400(10) CFR 63.43(d) and (e))	and 62-212.500(7), F.A.C.; 40
	□ Applicable	□ Attachment
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.4 212.500(4)(f), F.A.C.)	00(4)(d), F.A.C., and Rule 62-
		□ Attachment
3.	Description of Stack Sampling Facilities (Required for proposed r only)	new stack sampling facilities
		□ Attachment
Oth	er Information Regarding this Emissions Unit	
1.	Other Emissions Unit Information	

Applicable 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 tion Parmit Emissions Unit Classification

### Title V Air Operation Permit Emissions Unit Classification

- 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.
  - $\square$  The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

### **Emissions Unit Description and Status**

1.	Type of Emissions Unit Addressed in this Section: (Check one)								
	<ul> <li>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).</li> <li>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.</li> </ul>								
	(stack or vent) b	ut may also produce fugiti	ve emissions.						
	This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.								
2.	Description of Emissions Unit Addressed in this Section: One 1000 kW Black Start Emergency Engine/Gen Set								
3.	Emissions Unit Ident	tification Number: 43							
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	<ul> <li>7. Emissions Unit Major Group SIC Code: 49</li> </ul>					
8.	Federal Program App ☐ Acid Rain Unit ☐ CAIR Unit	plicability: (Check all that	apply)						
9.	Package Unit CAT Manufacturer:	ERPILLAR	Model Number:	DSRB GEN C27 TA ENGI					
10.	Generator Nameplate	e Rating: 1 MW							
11.	<ul> <li>Generator Nameplate Rating: 1 MW</li> <li>Emissions Unit Comment: Model No.: DSRB Generator; C27 TA Engine. Generator nameplate rating: 0.8 MW output; categorically exempt per Rule 62-210.300(3)(a)35.d., F.A.C.</li> </ul>								

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

Code	Equipment	Description
24	MODIFIED FURNACE/BURNER DESIGN	NOx pollution prevention

#### **B. EMISSIONS UNIT CAPACITY INFORMATION** (Optional for unregulated emissions units.) Emissions Unit Operating Canacity and Schedule

	issions Onit Operating Capacity and Scheu		
1.	Maximum Process or Throughput Rate:		
2.	Maximum Production Rate:		
3.	Maximum Heat Input Rate: million Btu/hr		
4.	Maximum Incineration Rate:	pounds/hr	
		tons/day	
5.	Requested Maximum Operating Schedule:		
		hours/day	days/week
		weeks/year	500 hours/year
6.	Operating Capacity/Schedule Comment:		

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

<u>Emi</u>	Emission Point Description and Type							
1.	Identification of Point on Plo Diagram: BLACK START GENERAT	t Plan or Flow OR	<ul> <li>2. Emission Point Type Code:</li> <li>1 - A single emission point serving a single emissions unit</li> </ul>					
3.	Descriptions of Emission Poi	nts Comprising th	is Emissions Unit	for VE Tracking:				
4.	ID Numbers or Descriptions	of Emission Units	with this Emissio	on Point in Common:				
5.	Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION	<ol> <li>Stack Height:</li> <li>15 feet</li> </ol>		<ol> <li>7. Exit Diameter:</li> <li>.67 feet</li> </ol>				
8.	Exit Temperature: 955° F	9. Actual Volu Rate: 6046 acfm	metric Flow	10. Water Vapor: %				
11.	Maximum Dry Standard Flow dscfm	v Rate:	12. Nonstack Emission Point Height: feet					
13.	Emission Point UTM Coordin Zone: East (km) North (km)	nates ::	14. Emission Point Latitude/Longitude Latitude: Longitude:					
15.	Emission Point Comment:							

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

Seg	ment Description and Rate:	Segment 1 of 1						
1.	Segment Description (Process/Fuel Type): Black Start Generator							
2.	Source Classification Code (S 20200102	SCC):	<ol> <li>SCC Units: 1000 Gallons Distillate Oil (Diesel) Burned</li> </ol>					
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: 138				
10.	0. Segment Comment: Firing only ULSD with a max. sulfur content of 0.0015 %, by weight.							
	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	NO CONTROL EQUIPMENT		NS	Yes
NOX	MODIFIED FURNACE/BURNER DESIGN		NS	Yes
PM	NO CONTROL EQUIPMENT		NS	Yes
PM10			NS	Yes
SO2			NS	Yes
VOC	NO CONTROL EQUIPMENT		NS	Yes

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

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: CO - Carbon Monoxide	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: .7 lb/hour .03 t	ons/year	4.	Syr Lin	nthet nitec Yes	ically l?	🗆 No	
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year						
6.	Emission Factor: .23 GRAMS/HP-HR Reference:				7.	Emissi (5) CA USINC FACT THAN METH	ons Method C JCULATED 3 EMISSION OR OTHER 1 ONE LISTE IOD 1 - 4.	'ode: D IN
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	<ul> <li>b. Projected Monitoring Period:</li> <li>□ 5 years □ 10 years</li> </ul>					
10.	Calculation of Emissions:							
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment: Vendor data. Firing ULSD for approximately 100 hrs/yr.							

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

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: NOX - Nitrogen Oxides	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: 15.5 lb/hour .8 t	ons/year	4.	Syr Lin	nthet nitec Yes	tically 1?	🗆 No	
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year						
6.	Emission Factor: 5.26 GRAMS/HP-HR Reference:				7.	Emissi (5) CA USINO FACT THAN METH	ions Method C ALCULATED G EMISSION OR OTHER V ONE LISTE IOD 1 - 4.	Code: D IN
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. Projecta	b. Projected Monitoring Period: □ 5 years □ 10 years					
10.	Calculation of Emissions:							
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment: Vendor data. Firing ULSD for approximately 100 hrs/yr.							

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

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:					Control:	
	PM - Particulate Matter - Total							
3.	Potential Emissions: .07 lb/hour .004 t	ons/year	4.	Syn Lin	ithetic nited? Yes	cally	□ No	
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year						
6.	Emission Factor: .024 GRAMS/HP-HR Reference:				7. I ( I ]	Emissic (5) CAI USING FACTC THAN METH(	ons Method Code: LCULATED EMISSION OR OTHER ONE LISTED IN OD 1 - 4.	
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mc	onth P	eriod:		
	tons/year	From:				To:		
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto 5 y	ed M /ears	Ionit	toring	Period	: 0 years	
10.	Calculation of Emissions:							
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment: Vendor data. Firing ULSD for approximately 100 hrs/yr.							

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

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: PM10 - Particulate Matter - PM10	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 te	olicable): ons/year				
6.	Emission Factor:				7. Ei	missions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 24	4-mc	onth Pe	riod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed N	/lonit	toring I	Period:
	tons/year	□ 5 y	ears	5		$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour t	ons/year	4. S L	ynthet Limited	ically !?	🗆 No		
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): .ons/year						
6.	Emission Factor:			7.	Emission	ns Method Code:		
	Reference:							
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24-1	month	Period: To:			
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed Mo	nitorin	g Period:			
	tons/year	□ 5 y	vears		□ 10	) years		
10.	Calculation of Emissions:							
11.	Pollutant Potential, Fugitive, and Actual Emissi	ions Comme	nt:					
	Firing ULSD with a max. sulfur content of 0.0015 %, by weight, for approximately 100 hrs/yr. As a categoricaly exempt EU, it will fire no more than 32,000 gals/yr of the ULSD.							

# 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: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	Future Effective Date of Allowable Emissions:			
3.	Allowable Emissions and Units: .0015 PERCENT SULFUR IN FUEL	4.	Equivalent Allowable Emissions: lb/hour	tons/year		
5.	Method of Compliance:					
6.	Allowable Emissions Comment (Description o Permit No. 0570039-040-AC.	f Op	erating Method):			

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total P	2. Total Percent Efficiency of Control:			
	VOC - Volatile Organic Compounds					
3.	Potential Emissions: .1 lb/hour .004 to	ons/year	4. Sy Li	nthet mited Yes	tically 1?	🗆 No
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year					
6.	Emission Factor: .03 GRAMS/HP-HR Reference:			7.	Emissio (5) CA USING FACTO THAN METHO	ons Method Code: LCULATED E EMISSION OR OTHER ONE LISTED IN OD 1 - 4.
8.a	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24-n	nonth	Period:	
	tons/year	From:			10:	
9.a	. Projected Actual Emissions (if required):	9.b. Project	ed Mor	itorir	ng Period	1:
	tons/year	□ 5 y	rears			10 years
10.	Calculation of Emissions:					
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment: Vendor data. Firing ULSD for approximately 100 hrs/yr.					

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

### 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 1					
1.	Visible Emissions Subtype: VE20 - VISIBLE EMISSIONS - 20% NORMAL OPACITY	<ol> <li>Basis for Allow</li> <li>☑ Rule</li> </ol>	rable Opacity:			
3.	Allowable Opacity: Normal Conditions: % Excep Maximum Period of Excess Opacity Allowed:	ptional Conditions:	% min/hour			
4.	Method of Compliance:					
5.	<ol> <li>Visible Emissions Comment: Firing only ULSD with a max. sulfur content of 0.0015 %, by weight, for approximately 100 hrs/yr.</li> </ol>					

#### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

Add	I. EMISSIONS UNIT ADDITIONAL INFOR	RMATION tated
1.	Process Flow Diagram (Required for all permit applications, except a otherwise's revision applications if this information was submitted to the departmy years and would not be altered as a result of the revision being sough	Title V air operation permit nent within the previous five nt)
	Applicable Previously Submitted, Date:	L Attachment
2.	Fuel Analysis or Specification (Required for all permit applications, permit revision applications if this information was submitted to the previous five years and would not be altered as a result of the revisio	except Title V air operation department within the on being sought)
	Applicable Previously Submitted, Date:	Attachment
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) Attachment
4.	Procedures for Startup and Shutdown (Required for all operation per V air operation permit revision applications if this information was s within the previous five years and would not be altered as a result of Applicable Previously Submitted, Date:	the revision being sought)
5.	Operation and Maintenance Plan (Required for all permit application permit revision applications if this information was submitted to the previous five years and would not be altered as a result of the revision Applicable	ns, except Title V air operation department within the on being sought)
6.	Compliance Demonstration Reports/Records	
	<ul> <li>□ Applicable</li> <li>□ Previously Submitted, Date:</li> <li>□ To Be Submitted, Date (if known):</li> </ul>	□ Attachment
	Previously Submitted Test Date(s)/Pollutants Tested:	
	To be Submitted Test Date(s)/Pollutants Tested:	
	Note: For FESOP applications, all required compliance demonstration submitted at the time of application. For Title V air operation permit compliance demonstration reports/records must be submitted at the t compliance plan must be submitted at the time of application.	on records/reports must be applications, all required ime of application, or a
7.	Other Information Required by Rule or Statute	
	□ Applicable	□ 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		
4.	Alternative Modes of Operation (Emissions Trading)	

#### Additional Requirements for Air Construction Permit Applications

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

Applicable 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 tion Parmit Emissions Unit Classification

### Title V Air Operation Permit Emissions Unit Classification

- 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.
  - □ The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

### **Emissions Unit Description and Status**

1.	Type of Emissions Unit Addressed in this Section: (Check one)							
	This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).							
	☐ This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.							
	☐ This Emissions process or produ	Unit Information Section a uction units and activities w	ddresses, as a single emiss which produce fugitive emi	sions unit, one or more issions only.				
2.	Description of Emiss Coal Field Diesel Ge	sions Unit Addressed in thi enerator	is Section:					
3.	Emissions Unit Iden	tification Number: 44						
4.	<ul> <li>Emissions Unit Status Code: A</li> <li>Commence Construction Date:</li> <li>Initial Startup Date:</li> <li>Emissions Unit Major Group SIC Code: 49</li> </ul>							
8.	Federal Program App	plicability: (Check all that	apply)					
	□ Acid Rain Unit							
	CAIR Unit							
9.	Package UnitModel Number:Manufacturer:							
10.	Generator Nameplate	e Rating: MW						
11.	Emissions Unit Com	nment:						

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

No Control Equipment information submitted.

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

No Capacity information submitted.

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

<u>Emi</u>	Emission Point Description and Type						
1.	Identification of Point on Plo Diagram:	t Plan or Flow	<ol> <li>Emission Point Type Code:</li> <li>1 - A single emission point serving a single emissions unit</li> </ol>				
3.	Descriptions of Emission Poi	nts Comprising th	is Emissions Unit	for VE Tracking:			
4.	ID Numbers or Descriptions	of Emission Units	with this Emissio	n Point in Common:			
5.	Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION	<ol> <li>6. Stack Heigh</li> <li>3 feet</li> </ol>	t:	<ul><li>7. Exit Diameter:</li><li>.25 feet</li></ul>			
8.	Exit Temperature: ° F	9. Actual Volu Rate: acfm	metric Flow	10. Water Vapor: %			
11.	1. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: feet				
13.	Emission Point UTM Coordin	nates	14. Emission Point Latitude/Longitude				
	Zone: East (km)	:	_	Latitude:			
	North (km)	:		Longitude:			
15.	Emission Point Comment:						

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

Segi	<u>ment Description and Rate:</u>	Segment 1 of 1					
1.	Segment Description (Proces	s/Fuel Type):					
2.	Source Classification Code (SCC):3.SCC Units:202001021000 Gallons Distillate Oil (Diesel) 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.	10. Segment Comment:						
	Is this a valid segment? Yes						

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
СО				Yes
NOX				Yes
PM				Yes
PM10				Yes
SO2				Yes
VOC				Yes

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:				
	CO - Carbon Monoxide					
3.	Potential Emissions: lb/hour to	tons/year 4. Synthetically Limited?				lly □ No
5.	Range of Estimated Fugitive Emissions (as app	licable):				
	to to	ons/year				
6.	Emission Factor:				7. Eı	nissions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 24	4-mc	onth Pe	riod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	/lonit	oring I	Period:
	tons/year	□ 5 y	rears	5		$\Box$ 10 years
10.	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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: NOX - Nitrogen Oxides	2. Total Percent Efficiency of Control:				
3.	Potential Emissions: Ib/hour to	ons/year	4. Syntheti Limited □ Yes			ally
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year						
6.	Emission Factor:				7. E	missions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:				
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period:□5 years□10 years				
10. Calculation of Emissions:						
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.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: PM - Particulate Matter - Total	2. Total Percent Efficiency of Control:				
3.	Potential Emissions: lb/hour te	tons/year 4. Synthetically Limited?				llly □ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year						
6.	Emission Factor:				7. E	missions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 24	4-mc	onth Pe	riod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	/Ionit	toring l	Period:
	tons/year	□ 5 y	ears	5		$\square$ 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.

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:					
	PM10 - Particulate Matter - PM10						
3.	Potential Emissions: lb/hour to	ons/year 4. Synthetically Limited?					
5.	5. Range of Estimated Fugitive Emissions (as applicable):						
	to tons/year						
6.	Emission Factor:			7.	Emissions Method Code:		
	Reference:						
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24-m	onth	Period:		
	tons/year	From:			To:		
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed Mon	itorin	g Period:		
	tons/year	🗆 5 y	ears		$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:				
	SO2 - Sulfur Dioxide					
3.	Potential Emissions: lb/hour to	tons/year 4. Synthetically Limited?				lly □ No
5.	5. Range of Estimated Fugitive Emissions (as applicable):					
	to tons/year					
6.	Emission Factor:				7. Er	nissions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 24-	-mo	onth Pe	riod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed Mo	onit	oring F	eriod:
	tons/year	□ 5 y	ears			$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: VOC - Volatile Organic Compounds	2. Total Percent Efficiency of Control:				
3.	Potential Emissions: lb/hour to	tons/year 4. Synthetically Limited?				lly □ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year						
6.	Emission Factor:				7. Eı	missions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 24	4-mc	onth Pe	riod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	/lonit	toring I	Period:
	tons/year	□ 5 y	ears	5		$\square$ 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.

## G. VISIBLE EMISSIONS INFORMATION

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

No Visible Emissions information submitted.

### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

	I. EMISSIONS UNIT ADDITIONAL INFOR	MATION
<b>Add</b> 1.	<b>litional Requirements for All Applications, Except as Otherwise St</b> 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	Title V air operation permit nent within the previous five t)
	Applicable Previously Submitted, Date:	L Attachment
2.	Fuel Analysis or Specification (Required for all permit applications, or permit revision applications if this information was submitted to the or previous 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 submitted in 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) Attachment
4.	Procedures for Startup and Shutdown (Required for all operation perm V air operation permit revision applications if this information was su 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	s, except Title V air operation department within the n being sought)
6.	Compliance Demonstration Reports/Records	
	Applicable Previously Submitted, Date:	Attachment
	Previously Submitted Test Date(s)/Pollutants Tested:	
	To be Submitted Test Date(s)/Pollutants Tested:	
	Note: For FESOP applications, all required compliance demonstration submitted at the time of application. For Title V air operation permit compliance demonstration reports/records must be submitted at the ti compliance plan must be submitted at the time of application.	n records/reports must be applications, all required me 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)	

### Additional Requirements for Air Construction Permit Applications

	<u>1</u>	
1.	Control Technology Review and Analysis (Rules 62-212.400(10) a CFR 63.43(d) and (e))	and 62-212.500(7), F.A.C.; 40
		□ Attachment
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.40 212.500(4)(f), F.A.C.)	00(4)(d), F.A.C., and Rule 62-
		□ Attachment
3.	Description of Stack Sampling Facilities (Required for proposed n only)	ew stack sampling facilities
		□ Attachment
-		
Oth	er Information Regarding this Emissions Unit	
<b>Oth</b> 1.	er Information Regarding this Emissions Unit Other Emissions Unit Information	

☐ Applicable ☐ 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 tion Permit Emissions Unit Classification

# <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.
  - $\square$  The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

## **Emissions Unit Description and Status**

1.	Type of Emissions U	Unit Addressed in this Secti	on: (Check one)					
	This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).							
	□ This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.							
	☐ This Emissions process or produ	Unit Information Section a uction units and activities w	ddresses, as a single emis which produce fugitive em	sions unit, one or more issions only.				
2.	Description of Emiss Emergency Diesel G	sions Unit Addressed in thi Generator and Fire Pump Di	s Section: iesel Engine					
3.	Emissions Unit Iden	tification Number: 45						
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	<ul> <li>7. Emissions Unit Major Group SIC Code: 43</li> </ul>				
8.	<ul> <li>Federal Program Applicability: (Check all that apply)</li> <li>Acid Rain Unit</li> <li>CAIR Unit</li> </ul>							
9.	Package Unit Model Number: Manufacturer:							
10.	Generator Nameplate	te Rating: MW						
11.	Emissions Unit Com	nment:						

### **Emissions Unit Control Equipment**

No Control Equipment information submitted.

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

No Capacity information submitted.

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

Emi	<u>Emission Point Description and Type</u>						
1.	Identification of Point on Plot Plan or Flow Diagram:			<ul> <li>2. Emission Point Type Code:</li> <li>1 - A single emission point serving a single emissions unit</li> </ul>			
3.	Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:						
4.	ID Numbers or Descriptions of Emission Units with this Emission Point in Common:						
5.	Discharge Type Code:	<ul><li>6. Stack Height:</li><li>7 feet</li></ul>			<ul><li>7. Exit Diameter:</li><li>.25 feet</li></ul>		
8.	Exit Temperature: ° F	9. Actual Volumetric Flow Rate: acfm		ic Flow	10. Water Vapor: %		
11.	. Maximum Dry Standard Flow Rate: dscfm			12. Nonstack Emission Point Height: feet			
13.	<ul> <li>Emission Point UTM Coordinates</li> <li>Zone: East (km): North (km):</li> </ul>			14. Emission Point Latitude/Longitude Latitude: Longitude:			
15.	Emission Point Comment:		-				

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

Segment Description and Rate: Segment 1 of 1						
1.	Segment Description (Proces	s/Fuel Type):				
2.	Source Classification Code (S 20200102	SCC):	<ol> <li>SCC Units: 1000 Gallons Distillate Oil (Diesel) Burned</li> </ol>			
4.	Maximum Hourly Rate:	5. Maximum Annual Rate:		6. Estimated Annual Activity Factor:		
7.	Maximum % Sulfur:	8. Maximum % Ash:		9. Million Btu per SCC Unit:		
10.	Segment Comment:					
	Is this a valid segment? Yes					

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
СО				Yes
NOX				Yes
PM				Yes
PM10				Yes
SO2				Yes
VOC				Yes

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:				
	CO - Carbon Monoxide					
3.	Potential Emissions: lb/hour to	tons/year 4. Synthetically Limited?				lly □ No
5.	5. Range of Estimated Fugitive Emissions (as applicable):					
	to tons/year					
6.	Emission Factor:				7. Eı	nissions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 24	4-mc	onth Pe	riod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	/lonit	oring I	Period:
	tons/year	□ 5 y	rears	5		$\Box$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:				
	NOX - Nitrogen Oxides					
3.	Potential Emissions: lb/hour to	ons/year	4.	Synt Lim	thetica ited? Yes	lly
5.	Range of Estimated Fugitive Emissions (as app	licable):				
	to to	ons/year	_			
6.	Emission Factor:				7. Er	nissions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	1e 24	-mo	nth Per	riod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Projected Monitoring Period:				
	tons/year	□ 5 y	ears			$\Box$ 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.

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: PM - Particulate Matter - Total	2. Total Percent Efficiency of Control:				
3.	Potential Emissions: lb/hour te	ons/year	ar Synthetically Limited? □ Yes □ No			ally
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year				
6.	Emission Factor:				7. E	missions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2	4-mo	onth Pe	eriod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Projected Monitoring Period:				
	tons/year	🗆 5 y	ears	5		$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:				
	PM10 - Particulate Matter - PM10					
3.	Potential Emissions: lb/hour to	ons/year	4.	Synt Lim	thetic ited? Yes	ally □ No
5.	Range of Estimated Fugitive Emissions (as app	olicable):	_			
	to to	ons/year				
6.	Emission Factor:				7. E	Emissions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24-	-mo	nth Pe	eriod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Projected Monitoring Period:				
	tons/year	🗆 5 y	ears			$\square$ 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: SO2 - Sulfur Dioxide	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lin	nthen niteo Yes	tically 1? 5	🗆 No
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year					
6.	Emission Factor:				7.	Emissi	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	ed N vears	Aonit 3	torir	ng Perioc	1: 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.

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:				
	VOC - Volatile Organic Compounds					
3.	Potential Emissions: lb/hour to	ons/year	4.	Syr Lin	ally □ No	
5.	Range of Estimated Fugitive Emissions (as app	licable):				
	to to	ons/year				
6.	Emission Factor:				7. E	Emissions Method Code:
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2	4-mo	onth Pe	eriod:
	tons/year	From:				To:
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed N	Aoni	toring	Period:
	tons/year	□ 5 y	ears	5		$\square$ 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.

## G. VISIBLE EMISSIONS INFORMATION

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

No Visible Emissions information submitted.

#### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

	I. EMISSIONS UNIT ADDITIONAL INFORM	ATION
Add 1.	Process Flow Diagram (Required for all permit applications, except Ti revision applications if this information was submitted to the departme years and would not be altered as a result of the revision being sought) □ Applicable □ Previously Submitted, Date:	ted tle V air operation permit nt within the previous five Attachment
2.	Fuel Analysis or Specification (Required for all permit applications, expermit revision applications if this information was submitted to the deprevious five years and would not be altered as a result of the revision □ Applicable □ Previously Submitted, Date:	acept Title V air operation epartment within the being sought)
3.	Detailed Description of Control Equipment (Required for all permit ap air operation permit revision applications if this information was subm within the previous five years and would not be altered as a result of th □ Applicable □ Previously Submitted, Date:	plications, except Title V itted to the department revision being sought) Attachment
4.	Procedures for Startup and Shutdown (Required for all operation perm V air operation permit revision applications if this information was sub within the previous five years and would not be altered as a result of th Applicable	it applications, except Title mitted to the department revision being sought) Attachment
5.	Operation and Maintenance Plan (Required for all permit applications, permit revision applications if this information was submitted to the de previous five years and would not be altered as a result of the revision □ Applicable □ Previously Submitted, Date:	except Title V air operation partment within the being sought)
6.	Compliance Demonstration Reports/Records <ul> <li>Applicable</li> <li>Previously Submitted, Date:</li> <li>To Be Submitted, Date (if known):</li> </ul> <li>Previously Submitted Test Date(s)/Pollutants Tested:</li> <li>To be Submitted Test Date(s)/Pollutants Tested:</li> <li>Note: For FESOP applications, all required compliance demonstration submitted at the time of application. For Title V air operation permit ap compliance demonstration reports/records must be submitted at the time of application.</li>	☐ Attachment records/reports must be oplications, all required the 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)	
### Additional Requirements for Air Construction Permit Applications

1.	Control Technology Review and Analysis (Rules 62-212.400(10) CFR 63.43(d) and (e))	) and 62-212.500(7), F.A.C.; 40
		☐ Attachment
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.4 212.500(4)(f), F.A.C.)	400(4)(d), F.A.C., and Rule 62-
		□ Attachment
3.	Description of Stack Sampling Facilities (Required for proposed only)	new stack sampling facilities
3.	<ul> <li>Description of Stack Sampling Facilities (Required for proposed only)</li> <li>□ Applicable</li> </ul>	new stack sampling facilities
3. Oth	Description of Stack Sampling Facilities (Required for proposed only) <ul> <li>Applicable</li> </ul> <li>Applicable Information Regarding this Emissions Unit</li>	new stack sampling facilities
3. <b>Oth</b> 1.	Description of Stack Sampling Facilities (Required for proposed only) □ Applicable <u>her Information Regarding this Emissions Unit</u> Other Emissions Unit Information	new stack sampling facilities

☐ Applicable ☐ 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 tion Parmit Emissions Unit Classification

## Title V Air Operation Permit Emissions Unit Classification

- 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.
  - $\square$  The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

### **Emissions Unit Description and Status**

1.	Type of Emissions U	Unit Addressed in this Section	ion: (Check one)	
	<ul> <li>This Emissions</li> <li>process or produce</li> <li>has at least one of</li> <li>This Emissions</li> <li>process or produce</li> <li>(stack or vent) b</li> </ul>	Unit Information Section a action unit, or activity, whi definable emission point (s Unit Information Section a action units and activities v but may also produce fugiti	ddresses, as a single emiss ch produces one or more a stack or vent). ddresses, as a single emiss which has at least one defir ve emissions.	sions unit, a single air pollutants and which sions unit, a group of able emission point
	<ul> <li>This Emissions</li> <li>process or produce</li> </ul>	Unit Information Section a action units and activities v	ddresses, as a single emiss which produce fugitive emi	sions unit, one or more issions only.
2.	Description of Emiss Transloading and Of	sions Unit Addressed in thi ff-site Transfer	is Section:	
3.	Emissions Unit Iden	tification Number: 46		
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	<ul> <li>Emissions Unit Major Group SIC Code: 49</li> </ul>
8.	Federal Program App ☐ Acid Rain Unit ☐ CAIR Unit	plicability: (Check all that	apply)	
9.	Package Unit Manufacturer:		Model Number:	
10.	Generator Nameplate	e Rating: MW		
11.	Emissions Unit Com Unit was added acco	nment: ording to 0570039-045-AV		

### **Emissions Unit Control Equipment**

Code	Equipment	Description
108	DUST SUPPRESSION - TRAFFIC CONTROL	traffic control
153	WATER SPRAYS	water spray to control pm emissions
99	MISCELLANEOUS CONTROL DEVICES	refer to 0570039-045-AV permit condition III.Q.5.

#### **B. EMISSIONS UNIT CAPACITY INFORMATION** (Optional for unregulated emissions units.)

### Emissions Unit Operating Capacity and Schedule

1.	Maximum Process or Throughput Rate: 4	000 TONS/HOUR	
2.	Maximum Production Rate:		
3.	Maximum Heat Input Rate: million Btu/h	r	
4.	Maximum Incineration Rate:	pounds/hr tons/day	
5.	Requested Maximum Operating Schedule	2:	
		24 hours/day	7 days/week
		52 weeks/year	8760 hours/year
6.	Operating Capacity/Schedule Comment:		
	1,853,030 tons per year for all solid fuel a barges for shipment off-site.	and slag materials trans	loaded onto trucks, railcars and

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

<u>Emission</u>	<b>Point Description and</b>	<u>Гуре</u>		
1. Iden Diag	tification of Point on Plo gram:	t Plan or Flow	<ol> <li>Emission Po</li> <li>4 - No true e</li> </ol>	int Type Code: mission point
3. Desc	criptions of Emission Poi	nts Comprising th	is Emissions Unit	for VE Tracking:
4. ID N	Numbers or Descriptions	of Emission Units	with this Emissio	n Point in Common:
5. Disc (F) F EMI EXIS	harge Type Code: FUGITIVE SSIONS, NO STACK STS	6. Stack Height	t:	7. Exit Diameter: feet
8. Exit °F	Temperature:	9. Actual Volu Rate: acfm	metric Flow	10. Water Vapor: %
11. Max dscfi	imum Dry Standard Flov m	v Rate:	12. Nonstack Emission Point Height: 10 feet	
13. Emis Zone	ssion Point UTM Coordin e: East (km) North (km)	nates :	14. Emission Point Latitude/Longitude Latitude: Longitude:	
15. Emis FH-0	ssion Point Comment: 047a and FH-047b are su	bject to VE tests.		

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

Seg	ment Description and Rate:	Segment 1 of 1	,		
1.	Segment Description (Proces	ss/Fuel Type):			
2.	Source Classification Code (\$ 30501011	SCC):	3. SCC Units: Tons Coal S	hipp	bed
4.	Maximum Hourly Rate:	5. Maximum A 1853030	Annual Rate:	6.	Estimated Annual Activity Factor:
7.	Maximum % Sulfur:	8. Maximum %	% Ash:	9.	Million Btu per SCC Unit:
10.	Segment Comment: 4000 Tons per 24-hour rollin	g average			
	Is this a valid segment? Yes				

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
PM				Yes
PM10				Yes

### 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: PM - Particulate Matter - Total	2. Total P	ercer	nt Eff	ficie	ency of	Control:
3.	Potential Emissions: Ib/hour to	ons/year	4.	Synt Limi	heti ited Yes	ically ?	V No
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year					
6.	Emission Factor:			2	7.	Emissio	ons Method Code:
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24	-mor	nth	Period: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed M rears	onito	orin	g Period	l: 10 years
10.	Calculation of Emissions:						
11.	Pollutant Potential, Fugitive, and Actual Emissi Subject to the facility-wide general visible emis emissions compliance testing is not required fo	ons Commer ssion standar r these sourc	nt: d of es fo	20%. r fug	. Ho jitiv	owever, ve emissi	annual visible

### 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:	2. Total P	2. Total Percent Efficiency of Control:			
	PM10 - Particulate Matter - PM10					
3.	Potential Emissions: lb/hour to	ons/year	4. Syr Lin	nthet nited Yes	fically 1? 5	
5.	Range of Estimated Fugitive Emissions (as app to t	olicable): ons/year				
6.	Emission Factor:			7.	Emissions Method Code:	
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24-m	onth	Period:	
	tons/year	From:			To:	
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed Moni	torin	ng Period:	
	tons/year	🗆 5 y	ears		$\square$ 10 years	
10.	Calculation of Emissions:					
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Commer	nt:			
	Subject to the facility-wide general visible emisemissions compliance testing is not required for	ssion standar r these sourc	d of 20% es for fu	%. H igitiv	owever, annual visible ve emissions.	

### 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.

## G. VISIBLE EMISSIONS INFORMATION

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

No Visible Emissions information submitted.

### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

	I. EMISSIONS UNIT ADDITIONAL INFORM	IATION
Add	litional Requirements for All Applications, Except as Otherwise Stat	ed
1.	Process Flow Diagram (Required for all permit applications, except Tit revision applications if this information was submitted to the department years and would not be altered as a result of the revision being sought)	le V air operation permit nt within the previous five
	□ Applicable □ Previously Submitted, Date:	□ Attachment
2.	Fuel Analysis or Specification (Required for all permit applications, expermit revision applications if this information was submitted to the depervious five years and would not be altered as a result of the revision beattered as a result of the revision beat	cept Title V air operation partment within the being 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:	blications, except Title V tted to the department e revision being sought) Attachment
4.	Procedures for Startup and Shutdown (Required for all operation permit V air operation permit revision applications if this information was sub- within the previous five years and would not be altered as a result of the Applicable	t applications, except Title mitted to the department e revision being sought)
5.	Operation and Maintenance Plan (Required for all permit applications, 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 bound of the previously Submitted, Date:	except Title V air operation partment within the being sought)
6.	Compliance Demonstration Reports/Records	
	□ Applicable □ Previously Submitted, Date:	□ Attachment
	$\Box$ 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 is submitted at the time of application. For Title V air operation permit ap compliance demonstration reports/records must be submitted at the time compliance plan must be submitted at the time of application.	records/reports must be plications, all required 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)	

### Additional Requirements for Air Construction Permit Applications

1.	Control Technology Review and Analysis (Rules 62-212.400(10) CFR 63.43(d) and (e))	) and 62-212.500(7), F.A.C.; 40
		☐ Attachment
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.4 212.500(4)(f), F.A.C.)	400(4)(d), F.A.C., and Rule 62-
		□ Attachment
3.	Description of Stack Sampling Facilities (Required for proposed only)	new stack sampling facilities
3.	<ul> <li>Description of Stack Sampling Facilities (Required for proposed only)</li> <li>□ Applicable</li> </ul>	new stack sampling facilities
3. Oth	Description of Stack Sampling Facilities (Required for proposed only) <ul> <li>Applicable</li> </ul> <li>Applicable Information Regarding this Emissions Unit</li>	new stack sampling facilities
3. <b>Oth</b> 1.	Description of Stack Sampling Facilities (Required for proposed only) □ Applicable <u>her Information Regarding this Emissions Unit</u> Other Emissions Unit Information	new stack sampling facilities

☐ Applicable ☐ 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 tion Permit Emissions Unit Classification

## Title V Air Operation Permit Emissions Unit Classification

- 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.
  - $\square$  The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

### **Emissions Unit Description and Status**

1.	Type of Emissions U	Init Addressed in this Sect	ion: (Check one)		
	☐ This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).				
	□ This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.				
	This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.				
2.	Description of Emissions Unit Addressed in this Section: Railcar Unloading and Conveying System				
3.	Emissions Unit Ident	tification Number: 47			
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	<ul> <li>7. Emissions Unit Major Group SIC Code: 49</li> </ul>	
8.	<ul> <li>Federal Program Applicability: (Check all that apply)</li> <li>Acid Rain Unit</li> <li>CAIR Unit</li> </ul>				
9.	Package Unit Manufacturer:		Model Number:		
10.	Generator Nameplate	e Rating: MW			
11.	Emissions Unit Com Unit was added perso surfactant or water/fo	ment: uant to 0570039-045-AV. ogging system operation o	Letter of Authorization all ption through 9-30-13.	lows either chemical	

### **Emissions Unit Control Equipment**

Code	Equipment	Description
153	WATER SPRAYS	waters sprays for PM control

#### **B. EMISSIONS UNIT CAPACITY INFORMATION** (Optional for unregulated emissions units.) Emissions Unit Operating Capacity and Schedule

	issions only operating capacity and be	ilcuit	
1.	Maximum Process or Throughput Rate:		
2.	Maximum Production Rate:		
3.	Maximum Heat Input Rate: million Btu/	'nr	
4.	Maximum Incineration Rate:	pounds/hr	
		tons/day	
5.	Requested Maximum Operating Schedul	le:	
		24 hours/day	7 days/week
		52 weeks/year	8760 hours/year
6.	Operating Capacity/Schedule Comment:		

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

<u>Emi</u>	<u>ssion Point Description and '</u>	<u>Type</u>			
1.	Identification of Point on Plo Diagram:	t Plan or Flow	<ol> <li>Emission Po</li> <li>1 - A single emissions ur</li> </ol>	int Type Code: emission point serving a single iit	
3.	Descriptions of Emission Poi	nts Comprising th	is Emissions Unit	for VE Tracking:	
4.	4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:				
5.	Discharge Type Code: (F) FUGITIVE EMISSIONS, NO STACK EXISTS	<ol> <li>Stack Height feet</li> </ol>	t:	7. Exit Diameter: feet	
8.	Exit Temperature: ° F	9. Actual Volumetric Flow Rate: acfm		10. Water Vapor: %	
11.	11. Maximum Dry Standard Flow Rate: dscfm		<ul><li>12. Nonstack Emission Point Height:</li><li>1 feet</li></ul>		
13.	Emission Point UTM Coordin Zone: East (km) North (km)	nates : :	14. Emission Po	int Latitude/Longitude Latitude: Longitude:	
15.	Emission Point Comment: 3 sided partially enclosed bui	lding			

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

Seg	ment Description and Rate:	Segment 1 of 1	,		
1.	Segment Description (Proces	s/Fuel Type):			
2.	Source Classification Code (SCC): 30501011		3. SCC Units: Tons Coal Shipped		ed
4.	Maximum Hourly Rate:	5. Maximum A 8000000	Annual Rate:	6.	Estimated Annual Activity Factor:
7.	Maximum % Sulfur:	8. Maximum %	% Ash:	9.	Million Btu per SCC Unit:
10.	Segment Comment: 4000 Tons per 24-hour rollin	g average			
	Is this a valid segment? Yes				

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
PM				Yes
PM10				Yes

### 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: PM Particulate Matter Total	2. Total P	erce	ent E	ffici	ency of (	Control:
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lin	nthet niteo Yes	tically 1?	☑ 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-mc	onth	Period: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto □ 5 y	ed M rears	Aonit s	torir	ng Period	: 0 years
10.	Calculation of Emissions:						
11.	Pollutant Potential, Fugitive, and Actual Emissi Unit subjected only to VE test.	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:	2. Total P	2. Total Percent Efficiency of Control:		
	PM10 - Particulate Matter - PM10				
3.	Potential Emissions: lb/hour to	ons/year	4. Sy Lii	nthetically nited? Yes	V V No
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year			
6.	Emission Factor:			7. Emi	ssions Method Code:
	Reference:				
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24-m	onth Peric	od:
	tons/year	From:		Т	o:
9.a.	. Projected Actual Emissions (if required):	9.b. Projecte	ed Mon	itoring Per	riod:
	tons/year	🗆 5 y	ears	Γ	10 years
10.	Calculation of Emissions:				
11.	Pollutant Potential, Fugitive, and Actual Emissi Unit subjected only to VE test.	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.

## G. VISIBLE EMISSIONS INFORMATION

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

Visil	ble Emissions Limitation: Visible Emissions	Limitation 1 of 1	
1.	Visible Emissions Subtype: VE20 - VISIBLE EMISSIONS - 20% NORMAL OPACITY	<ol> <li>Basis for Allowa</li> <li>✓ Rule</li> </ol>	able Opacity:
3.	Allowable Opacity: Normal Conditions: 20% Excep Maximum Period of Excess Opacity Allowed:	ptional Conditions:	20% min/hour
4.	Method of Compliance: EPA ALTERNATE METHOD 1, EPA METH	OD 9, EPA METHOI	) 22
5.	Visible Emissions Comment: NSPS Subpart Y of 40 CFR 60 and Permit No.	0570039-041-AC	

#### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

Additional Requirements for All Applications, Except as Otherwise Stated	
1. Process Flow Diagram (Required for all permit applications, except Title V air or revision applications if this information was submitted to the department within the years and would not be altered as a result of the revision being sought)	peration permit he previous five
□ Applicable □ Previously Submitted, Date: □	Attachment
<ol> <li>Fuel Analysis or Specification (Required for all permit applications, except Title permit revision applications if this information was submitted to the department w previous five years and would not be altered as a result of the revision being soug         Applicable     </li> </ol>	V air operation within the ght) Attachment
<ul> <li>Detailed Description of Control Equipment (Required for all permit applications, air operation permit revision applications if this information was submitted to the within the previous five years and would not be altered as a result of the revision</li></ul>	except Title V e department being sought) Attachment
<ul> <li>Procedures for Startup and Shutdown (Required for all operation permit applicating V air operation permit revision applications if this information was submitted to the within the previous five years and would not be altered as a result of the revision □ Applicable □ Previously Submitted, Date: □</li> </ul>	ions, except Title the department being sought) Attachment
<ul> <li>Operation and Maintenance Plan (Required for all permit applications, except Tit permit revision applications if this information was submitted to the department w previous five years and would not be altered as a result of the revision being soug</li> <li>□ Applicable</li> <li>□ Previously Submitted, Date:</li> </ul>	tle V air operation within the ght) Attachment
<ul> <li>6. Compliance Demonstration Reports/Records <ul> <li>Applicable</li> <li>Previously Submitted, Date:</li> <li>To Be Submitted, Date (if known):</li> </ul> </li> <li>Previously Submitted Test Date(s)/Pollutants Tested: <ul> <li>To be Submitted Test Date(s)/Pollutants Tested:</li> </ul> </li> <li>Note: For FESOP applications, all required compliance demonstration records/repsubmitted at the time of application. For Title V air operation permit applications compliance demonstration reports/records must be submitted at the time of applications.</li> </ul>	Attachment ports must be all required cation, or a
<ul> <li>7. Other Information Required by Rule or Statute</li> <li>□ Applicable</li> </ul>	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)	

### Additional Requirements for Air Construction Permit Applications

	<u>1</u>	
1.	Control Technology Review and Analysis (Rules 62-212.400(10) a CFR 63.43(d) and (e))	and 62-212.500(7), F.A.C.; 40
		□ Attachment
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.40 212.500(4)(f), F.A.C.)	00(4)(d), F.A.C., and Rule 62-
		□ Attachment
3.	Description of Stack Sampling Facilities (Required for proposed n only)	ew stack sampling facilities
		☐ Attachment
-		
Oth	er Information Regarding this Emissions Unit	
<b>Oth</b> 1.	er Information Regarding this Emissions Unit Other Emissions Unit Information	

☐ Applicable ☐ 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 tion Permit Emissions Unit Classification

# <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.
  - $\square$  The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

### **Emissions Unit Description and Status**

1.	Type of Emissions Unit Addressed in this Section: (Check one)				
	<ul> <li>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).</li> <li>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).</li> </ul>				
	Inis Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.				
2.	Description of Emissions Unit Addressed in this Section: Supplemental Material Handling Conveyor System-J3 Conveyors				
3.	Emissions Unit Identification Number: 48				
4.	Emissions Unit Status Code: C	5. Commence Construction Date:	6. Initial Startup Date: 27-DEC-12	<ul> <li>7. Emissions Unit Major Group SIC Code: 49</li> </ul>	
8.	<ul> <li>Federal Program Applicability: (Check all that apply)</li> <li>Acid Rain Unit</li> <li>CAIR Unit</li> </ul>				
9.	Package UnitModel Number:Manufacturer:				
10.	Generator Nameplate Rating: MW				
11.	Emissions Unit Comment: Unit part of the Solid Fuel Yard Operations				

### **Emissions Unit Control Equipment**

Code	Equipment	Description
153	WATER SPRAYS	Water sprays for storage piles, handling equipment, etc.[Rules 62-4.160(2) & 62- 296.320(4)(c), F.A.C.; and Permit No. 0570039-057-AC
#### **B. EMISSIONS UNIT CAPACITY INFORMATION** (Optional for unregulated emissions units.) Emissions Unit Operating Capacity and Schedule

	issions only operating capacity and sened		
1.	Maximum Process or Throughput Rate:		
2.	Maximum Production Rate:		
3.	Maximum Heat Input Rate: million Btu/hr		
4.	Maximum Incineration Rate:	pounds/hr	
		tons/day	
5.	Requested Maximum Operating Schedule:		
		hours/day	days/week
		weeks/year	8760 hours/year
6.	Operating Capacity/Schedule Comment:		
	Unit part of the Solid Fuel Yard.		

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

<u>Emi</u>	<u>Imission Point Description and Type</u>							
1.	Identification of Point on Plo Diagram:	t Plan or Flow	<ol> <li>Emission Po</li> <li>4 - No true e</li> </ol>	oint Type Code: emission point				
3.	Descriptions of Emission Poi	nts Comprising th	is Emissions Unit	for VE Tracking:				
4.	4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:							
5.	Discharge Type Code: (F) FUGITIVE EMISSIONS, NO STACK EXISTS	<ol> <li>Stack Heigh feet</li> </ol>	t:	7. Exit Diameter: feet				
8.	Exit Temperature: ° F	9. Actual Volu Rate: acfm	metric Flow	10. Water Vapor: %				
11.	Maximum Dry Standard Flow dscfm	v Rate:	12. Nonstack Emission Point Height: 10 feet					
13.	<ul><li>13. Emission Point UTM Coordinates</li><li>Zone: East (km): North (km):</li></ul>		14. Emission Po	int Latitude/Longitude Latitude: Longitude:				
15.	Emission Point Comment:							

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

Seg	Segment Description and Rate: Segment 1 of 1							
1.	Segment Description (Process/Fuel Type): Supplemental Material Handling J3 Conveyor System							
2.	. Source Classification Code (SCC): 10100205		<ol> <li>SCC Units: Tons Bituminous Coal Burned</li> </ol>					
4.	Maximum Hourly Rate:	5. Maximum Annual Rate:		6. Estimated Annual Activity Factor:				
7.	Maximum % Sulfur:	8. Maximum % Ash:		9. Million Btu per SCC Unit:				
10.	Segment Comment:							
	Is this a valid segment? Yes							

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
СО				Yes
NOX				Yes
PB				Yes
PM			WP	Yes
PM10				Yes
SO2				Yes
VOC				Yes

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

(Optional for unregulated emissions units.) 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	thetic nited? Yes	ally v No	
5.	Range of Estimated Fugitive Emissions (as app to te	olicable): ons/year					
6.	Emission Factor:				7. E	Emissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mc	onth Po	eriod: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N ears	Aonit	toring	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.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:				
	NOX - Nitrogen Oxides					
3.	Potential Emissions: lb/hour to	ons/year	4. S L	ynthetically imited?	V V No	
5.	Range of Estimated Fugitive Emissions (as app	licable):				
	to to	ons/year				
6.	Emission Factor:			7. Emi	ssions Method Code:	
	Reference:					
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 24-1	month Peric	od:	
	tons/year	From:		Т	`o:	
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed Mo	nitoring Per	riod:	
	tons/year	□ 5 y	ears		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.

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

#### (Optional for unregulated emissions units.) 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 t	ons/year	4. Syr Lin	nthetically nited? Yes	✓ No		
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year							
6.	Emission Factor: Reference:			7. Emissi	ons Method Code:		
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. Projecto	ed Monit rears	toring 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.

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

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:						
	PM - Particulate Matter - Total				_			
3.	Potential Emissions: lb/hour t	ons/year	4.	Syn Lin	nthet nited Yes	tically 1?	☑ No	
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year							
6.	Emission Factor:				7.	Emiss	sions Method Code:	
	Reference:							
8.a.	Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mc	onth	Period		
	tons/year	From:				То	:	
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed N	/lonit	torir	ng Perio	od:	
	tons/year	🗆 5 y	ears	5			10 years	
10.	Calculation of Emissions:							
11.	<ol> <li>Pollutant Potential, Fugitive, and Actual Emissions Comment: This unit is subject to VE of 20% unconfined emissions and 5% for the static conveyors or drop/transfer points. Testing is not required.</li> </ol>							

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.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:					
	PM10 - Particulate Matter - PM10						
3.	Potential Emissions: lb/hour te	ons/year	4.	Syn Lim	ithetio nited? Yes	cally No	
5.	Range of Estimated Fugitive Emissions (as app	licable):					
	to to	ons/year					
6.	Emission Factor:				7.	Emissions Method Code:	
	Reference:			_			
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mc	onth F	Period:	
	tons/year	From:				To:	
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed N	Aonit	toring	g Period:	
	tons/year	□ 5 y	'ears	\$		$\square$ 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.

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

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: SO2 - Sulfur Dioxide	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour to	ons/year	4.	Syn Lin	ntheti nited? Yes	cally ?	
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year					
6.	Emission Factor:				7.	Emissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	onth I	Period: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecte □ 5 y	ed N vears	Aonit	toring	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.

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

(Optional for unregulated emissions units.) Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted:	2. Total Percent Efficiency of Control:					
	VOC - Volatile Organic Compounds						
3.	Potential Emissions: lb/hour te	ons/year	4.	Syr Lin	nthetic nited? Yes	ally 🗹 No	
5.	Range of Estimated Fugitive Emissions (as app to t	licable): ons/year					
6.	Emission Factor:				7. E	Emissions Method Code:	
	Reference:						
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselir	ne 2	4-mo	onth Pe	eriod:	
	tons/year	From:				To:	
9.a.	. Projected Actual Emissions (if required):	9.b. Project	ed N	/loni	toring	Period:	
	tons/year	🗆 5 y	ears	5		$\square$ 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.

# G. VISIBLE EMISSIONS INFORMATION

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1							
1.	Visible Emissions Subtype: VE05 - VISIBLE EMISSIONS - 5% NORMAL OPACITY	2.	Basis for Allowal ☑ Rule	ble Opacity:			
3.	Allowable Opacity: Normal Conditions: 5% Excep Maximum Period of Excess Opacity Allowed:	% min/hour					
4.	Method of Compliance:						
5.	. Visible Emissions Comment: Visible emissions shall not exceed 20% opacity for the dozer operations on open storage piles (FH-100 and FH-101) and 5% opacity for the enclosed J3 Conveyor System operations (FH-102 and FH 103).						

#### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

	I. EMISSIONS UNIT ADDITIONAL INFOR	MATION
<b>Add</b> 1.	Process Flow Diagram (Required for all permit applications, except T revision applications if this information was submitted to the departm years and would not be altered as a result of the revision being sought Applicable Previously Submitted, Date:	Title V air operation permit ent within the previous five c) □ Attachment
2.	Fuel Analysis or Specification (Required for all permit applications, e permit revision applications if this information was submitted to the d previous five years and would not be altered as a result of the revision □ Applicable □ Previously Submitted, Date:	except Title V air operation lepartment within the being sought) Attachment
3.	Detailed Description of Control Equipment (Required for all permit a air operation permit revision applications if this information was submitted in the previous five years and would not be altered as a result of the Applicable □ Previously Submitted, Date:	pplications, except Title V nitted to the department the revision being sought) Attachment
4.	Procedures for Startup and Shutdown (Required for all operation perm V air operation permit revision applications if this information was su within the previous five years and would not be altered as a result of t □ Applicable □ Previously Submitted, Date:	nit applications, except Title bmitted to the department the revision being sought)
5.	Operation and Maintenance Plan (Required for all permit applications permit revision applications if this information was submitted to the d previous five years and would not be altered as a result of the revision	s, except Title V air operation lepartment within the h being sought)
6.	Compliance Demonstration Reports/Records <ul> <li>Applicable</li> <li>Previously Submitted, Date:</li> <li>To Be Submitted, Date (if known):</li> </ul> <li>Previously Submitted Test Date(s)/Pollutants Tested:</li> <li>To be Submitted Test Date(s)/Pollutants Tested:</li> <li>Note: For FESOP applications, all required compliance demonstration submitted at the time of application. For Title V air operation permit a compliance demonstration reports/records must be submitted at the time of application at the time of application for Title V air operation permit a compliance demonstration reports/records must be submitted at the time of application at the time of application for Title V application.</li>	☐ Attachment n records/reports must be applications, all required me 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)	

#### Additional Requirements for Air Construction Permit Applications

	±	
1.	Control Technology Review and Analysis (Rules 62-212.400(10) CFR 63.43(d) and (e))	and 62-212.500(7), F.A.C.; 40
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.4 212.500(4)(f), F.A.C.) □ Applicable	00(4)(d), F.A.C., and Rule 62-
3.	Description of Stack Sampling Facilities (Required for proposed r only)	new stack sampling facilities
<b>Oth</b> 1.	ner Information Regarding this Emissions Unit Other Emissions Unit Information	
	—	

☐ Applicable ☐ 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 tion Parmit Emissions Unit Classification

# <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.
  - $\square$  The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

## **Emissions Unit Description and Status**

1.	Type of Emissions Unit Addressed in this Section: (Check one)				
	<ul> <li>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).</li> </ul>				
	process or produ (stack or vent) b	uction units and activities v ut may also produce fugiti	which has at least one definitive emissions.	nable emission point	
	☐ This Emissions process or produ	Unit Information Section a activities v	addresses, as a single emis which produce fugitive em	sions unit, one or more nissions only.	
2.	. Description of Emissions Unit Addressed in this Section: Limestone Handling Conveyors LD & LE with Baghouse				
3.	Emissions Unit Ident	tification Number: 50			
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	<ul> <li>7. Emissions Unit Major Group SIC Code: 49</li> </ul>	
8.	Federal Program Ap ☐ Acid Rain Unit ☐ CAIR Unit	plicability: (Check all that	apply)		
9.	Package Unit STEI Manufacturer:	RNVENT BAGHOUSE	Model Number:	DKED18003	
10.	Generator Nameplate	e Rating: MW			
11.	Emissions Unit Com	ment:			

# **Emissions Unit Control Equipment**

Code	Equipment	Description
127	FABRIC FILTER	Sternvent Model DKED 18003 baghouse

#### **B. EMISSIONS UNIT CAPACITY INFORMATION** (Optional for unregulated emissions units.) Emissions Unit Operating Capacity and Schedule

	issions only operating Capacity and Seneu		
1.	Maximum Process or Throughput Rate:		
2.	Maximum Production Rate:		
3.	Maximum Heat Input Rate: million Btu/hr		
4.	Maximum Incineration Rate:	pounds/hr	
		tons/day	
5.	Requested Maximum Operating Schedule:		
		hours/day	days/week
		weeks/year	8760 hours/year
6.	Operating Capacity/Schedule Comment:		

#### C. EMISSION POINT (STACK/VENT) INFORMATION (Optional for unregulated emissions units.) <u>Emission Point Description and Type</u>

No Emission Point information submitted.

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

Seg	ment Description and Rate:	Segment 1 of 1	,				
1.	. Segment Description (Process/Fuel Type):						
2.	2. Source Classification Code (SCC):       3. SCC Units:         30588801       Tons Product Produced						
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: LIMESTONE HANDLING FUGITIVE EMISSIONS						
	Is this a valid segment? Yes						

List of Pollulants Emitte	a by Emissions Unit			
1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
PM	FABRIC FILTER		EL	Yes

#### E. EMISSIONS UNIT POLLUTANTS mitted 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

1.	Pollutant Emitted: PM - Particulate Matter - Total	2. Total Percent Efficiency of Control:				
3.	Potential Emissions: .325 lb/hour to	ons/year	4.	Syn Lir	nthet nitec Yes	tically 1? s I No
5.	Range of Estimated Fugitive Emissions (as app to te	licable): ons/year				
6.	Emission Factor: Reference:				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-m	onth	Period: To:
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed N vears	Aoni s	torir	ng Period:
10.	Calculation of Emissions:					
11.	Pollutant Potential, Fugitive, and Actual Emissi Total PM emissions from baghouse	ons Commer	nt:			

# 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: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	2. Future Effective Date of Allowable Emissions:		
3.	Allowable Emissions and Units: .325 POUNDS/HOUR	4. Equivalent Allowable Emissions: .325 lb/hour 1.45 tons/ye			
5.	<ul> <li>Method of Compliance:</li> <li>No PM test required if alternative 5% opacity limit is met</li> </ul>				
6.	Allowable Emissions Comment (Description o Total PM emission from baghouse (PSD-FL-04	f Op 40)	erating Method):		

# G. VISIBLE EMISSIONS INFORMATION

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

No Visible Emissions information submitted.

#### **H. CONTINUOUS MONITOR INFORMATION** Complete if this emissions unit is or would be subject to continuous monitoring.

No Continuous Monitoring information submitted.

	I. EMISSIONS UNIT ADDITIONAL INFORM	MATION
<b>Add</b> 1.	<b>litional Requirements for All Applications, Except as Otherwise Sta</b> Process Flow Diagram (Required for all permit applications, except Ti revision applications if this information was submitted to the departme years and would not be altered as a result of the revision being sought)	ted tle V air operation permit ent within the previous five
	□ Applicable □ Previously Submitted, Date:	□ Attachment
2.	Fuel Analysis or Specification (Required for all permit applications, expermit revision applications if this information was submitted to the deprevious five years and would not be altered as a result of the revision □ Applicable □ Previously Submitted, Date:	ccept Title V air operation epartment within the being sought) Attachment
3.	Detailed Description of Control Equipment (Required for all permit ap air operation permit revision applications if this information was subm within the previous five years and would not be altered as a result of the Applicable	plications, except Title V itted to the department he revision being sought) Attachment
4.	Procedures for Startup and Shutdown (Required for all operation perm V air operation permit revision applications if this information was sub within the previous five years and would not be altered as a result of th Applicable	it applications, except Title mitted to the department he revision being sought)
5.	Operation and Maintenance Plan (Required for all permit applications, permit revision applications if this information was submitted to the de previous five years and would not be altered as a result of the revision □ Applicable □ Previously Submitted, Date:	except Title V air operation epartment within the being sought)
6.	<ul> <li>Compliance Demonstration Reports/Records</li> <li>Applicable</li> <li>Previously Submitted, Date:</li> <li>To Be Submitted, Date (if known):</li> <li>Previously Submitted Test Date(s)/Pollutants Tested:</li> <li>To be Submitted Test Date(s)/Pollutants Tested:</li> <li>Note: For FESOP applications, all required compliance demonstration submitted at the time of application. For Title V air operation permit application reports/records must be submitted at the time of application.</li> </ul>	☐ Attachment records/reports must be pplications, all required he of application, or a
7.	Other Information Required by Rule or Statute Applicable	□ 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)	
## Additional Requirements for Air Construction Permit Applications

1.	Control Technology Review and Analysis (Rules 62-212.400(10) and 6 CFR 63.43(d) and (e))	2-212.500(7), F.A.C.; 40 □ Attachment
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.400(4)) 212.500(4)(f), F.A.C.) Applicable	(d), F.A.C., and Rule 62-
3.	Description of Stack Sampling Facilities (Required for proposed new stack sampling facilities only) □ Applicable □ Attachment	
Other Information Regarding this Emissions Unit		
1.	Applicable	☐ 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