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: 4102-1

Application Name: AUBURNDALE PLANT TITLE V RENEWAL

Date Submitted: 13 May 2015

I. APPLICATION INFORMATION

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

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

Air Operation Permit - Use this form to apply for:

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

To ensure accuracy, please see form instructions.

Identification of Facility

iuci	Sittification of Facility					
1.	Facility Owner/Company Name	: OSPREY EN	ERC	Y CENTER, LI	LC	
2.	Site Name: OSPREY ENERGY CENTER					
3.	Facility Identification Number:	1050334				
4.	Facility Location Street Address or Other Locator:	adjacent to Au 1651 West De		ndale Power Par Avenue	tners facility	
	City: AUBURNDALE	County: POLI	X.	Z	Zip Code: 33823	
5.	Relocatable Facility? ☐ Yes ☑ No		6.	Existing Title V	V Permitted Facility ☐ No	

Application Contact

Application Contact Name: Application Contact Job Title:

CARLA ADDUCI

2. Application Contact Mailing Address...

Organization/Firm: TRINITY CONSULTANTS
Street Address: 919 LAKE BALDWIN LANE

SUITE B

City: ORLANDO State: FL Zip Code: 32814

3. Application Contact Telephone Numbers...

Telephone: (407) 982-2891 ext. Fax:

4. Application Contact Email Address: cadduci@trinityconsultants.com

Purpose of Application

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

Scope of Application

Emissions Unit ID Number	Description of Emissions Unit	Air Permit Type
1	170MW Combustion Turbine Configured for Combined Cycle	AV05
2	170MW Combustion Turbine Configured for Combined Cycle	AV05
3	250 MMBtu Duct burner (included in EU001)	AV05
4	250 MMBtu Duct Burner (included in EU002)	AV05
5	cooling tower	AV05
6	Simple Cycle Peaking CT	AV05
	Emergency Engine No. 1	AC1E
	Fire Water Pump No. 1	AC1F

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 Representation WHIDDEN	ntative Name:	Owner/Aut	horized Representative Job Title:
2.	Owner/Authorized Represen	ntative Mailing	Address	
	Organization/Firm:			
	Street Address:			
	City:		State:	Zip Code:
3.	Owner/Authorized Represen	ntative Telephor	ne Numbers	
	Telephone: () -	ext.	Fax:	
4.	Owner/Authorized Represen	ntative Email A	ddress:	
5.	Owner/Authorized Represer	ntative Statemer	nt:	
	corporation, partnership, or my knowledge, the statement estimates of emissions report	other legal entit nts made in this rted in this appli erstand that a pe	y submitting this application are truication are based usermit, if granted b	uthorized representative of the air permit application. To the best of ue, accurate and complete, and any upon reasonable techniques for y the department, cannot be

Application Responsible Official Certification

1.	Application Responsible Official Name: ANDREW MARTIN
2.	 Application Responsible Official Qualification (Check one or more of the following options, as applicable): ✓ For a corporation, the president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit under Chapter 62-213, F.A.C. ☐ For a partnership or sole proprietorship, a general partner or the proprietor, respectively. ☐ For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official. ☐ The designated representative at an Acid Rain source or CAIR source.
3.	Application Responsible Official Mailing Address Organization/Firm: CALPINE Street Address: 1651 W. DERBY AVE. City: AUBURNDALE State: FL Zip Code: 33823
4.	Application Responsible Official Telephone Numbers Telephone: (863)551-4662 ext. Fax:
5.	Application Responsible Official Email Address: amartin@calpine.com
6.	Application Responsible Official Certification: By entering my PIN below, I certify that I am a responsible official of the Title V source addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other applicable requirements identified in this application to which the Title V source is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility or any permitted emissions unit. Finally, I certify that the facility and each emissions unit are in compliance with all applicable requirements to which they are subject, except as identified in compliance plan(s) submitted with this application.

Professional Engineer Certification

101	costonal Engineer Certification		
1.	Professional Engineer Name: MICHAEL BALLENGER		gineer Job Title: nsulting Services - FL
	Registration Number: 69801	Widnager or Cor	isutting Services - 1 L
2.	Professional Engineer Mailing Address		
	Organization/Firm: TRINITY CONSULTANT Street Address: 919 LAKE BALDWIN LA		
	SUITE B		
	City: ORLANDO	State: FL	Zip Code: 32814
3.	Professional Engineer Telephone Numbers Telephone: (407) 982-2891 v ext.	Fax:	
4.	Professional Engineer Email Address: MBALI	LENGER@TRINIT	ΓYCONSULTANTS.COM
5.	Professional Engineer Statement:		
	I hereby certify, except as particularly noted he	erein*, that:	
	(1) To the best of my knowledge, there is reason unit(s) and the air pollution control equipment properly operated and maintained, will comply pollutant emissions found in the Florida Statut Protection; and	described in this ap with all applicable	pplication for air permit, when e standards for control of air
	(2) To the best of my knowledge, any emission are true, accurate, and complete and are either calculating emissions or, for emission estimate emissions unit addressed in this application, be calculations submitted with this application.	based upon reasonates of hazardous air	able techniques available for pollutants not regulated for an
	(3) If the purpose of this application is to obtain so), I further certify that each emissions unit deproperly operated and maintained, will comply application to which the unit is subject, except and schedule is submitted with this application.	escribed in this app with the applicable those emissions ur	lication for air permit, when e requirements identified in this
	(4) If the purpose of this application is to obtain or concurrently process and obtain an air constrevision or renewal for one or more proposed as so), I further certify that the engineering featur application have been designed or examined by and found to be in conformity with sound engineerings of the air pollutants characterized in	truction permit and new or modified en res of each such em y me or individuals neering principles	a Title V air operation permit missions units (check here , if issions unit described in this under my direct supervision
	(5) If the purpose of this application is to obtain revision or renewal for one or more newly con □, if so), I further certify that, with the excepa pplication, each such emissions unit has been	structed or modifie tion of any changes	ed emissions units (check here s detailed as part of this

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

* Explain any exception to the certification statement.

Professional Engineer Exception Statement:

II. FACILITY INFORMATION A. GENERAL FACILITY INFORMATION

Facility Location and Type

1. Facility UTM Coordinates		2. Facility Latitude/Longitude	
`	km) 421	Latitude (DD/MM/SS) Longitude (DD/MM/S	
INOITH	(km) 3103.2	Longitude (DD/MM/5	3) 01 40 43 W
J. D. 114 Ct 1	Facility Status Code: Active	5. Facility Major Group SIC Code: (49) ELECTRIC, GAS AND SANITARY SERVICES	6. Facility SIC(s): Primary: 4911

7. Facility Comment:

Company name change effective 10/31/14. Facility ID reactivated following sale of Auburndale Power Plant by Calpine. Initial Title V permit effective 1/1/11. JH 1/18/11

Facility Contact

1.	Facility Contact Name: ANDREW MARTIN	Facility Contact Job PLANT MANAGER	
2.	Facility Contact Mailing Address Organization/Firm: CALPINE OPERATING S Street Address: 1651 WEST DERBY AVE City: AUBURNDALE		Zip 33823-4079 Code:
3.	Facility Contact Telephone Numbers Telephone: (863) 551-4662 ext. Fax: (863) 5	551-4666 (
4.	Facility Contact Email Address: amartin@calpine.com		

Facility Primary Responsible Official

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

PI I	mai y responsible official.		
1.	Facility Primary Responsible Official Name: ANDREW MARTIN	Facility Primary Res Plant Manager	ponsible Official Job Title:
2.	Facility Primary Responsible Official Mailing A Organization/Firm: CALPINE Street Address: 1651 W. DERBY AVE. City: AUBURNDALE	Address State: FL	Zip 33823 Code:
3.	Facility Primary Responsible Official Telephor Telephone: (863) 551-4662 © ext. Fax:	ne Numbers	

4. Facility Primary Responsible Official Email Address: amartin@calpine.com

<u>Facility Regulatory Classifications</u> Check all that would apply *following* completion of all projects and implementation of all other changes proposed in this application for air permit. Refer to instructions to distinguish between a "major source" and a "synthetic minor source."

1.	☐ Small Business Stationary Source ☐ Unknown
2.	☐ Synthetic Non-Title V Source
3.	✓ Title V Source
4.	✓ Major Source of Air Pollutants, Other than Hazardous Air Pollutants (HAPs)
5.	☐ Synthetic Minor Source of Air Pollutants, Other than HAPs
6.	☐ Major Source of Hazardous Air Pollutants (HAPs)
7.	☐ Synthetic Minor Source of HAPs
8.	✓ One or More Emissions Units Subject to NSPS (40 CFR Part 60)
9.	☐ One or More Emissions Units Subject to Emission Guidelines (40 CFR Part 60)
10.	☐ One or More Emissions Units Subject to NESHAP (40 CFR Part 61 or Part 63)
11.	☐ Title V Source Solely by EPA Designation (40 CFR 70.3(a)(5))
12.	Facility Regulatory Classifications Comment:

List of Pollutants Emitted by Facility

1. Pollutants Emitted	2. Pollutant Classification	Emissions Cap [Y or N]?
SO2	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	N
PM10	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	N
PM	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	N
VOC	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	N
CO	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	N
NOX	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	N
H186	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
H169	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
H162	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
H157	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
H151	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
H133	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
H132	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
H113	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
H095	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
H085	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
H046	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
H026	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
H021	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
H017	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
H015	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N

H006	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
H001	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
H114	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
H027	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
TBAC	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
РВ	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
NH3	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
СРМ	(C) CLASS IS UNKNOWN	N
PM2.5	(C) CLASS IS UNKNOWN	N

B. Emissions Caps

Facility-Wide or Multi-Unit Emissions Caps

1.	Pollutant Subject to Emissions Cap	2.	Facility Wide Cap [Y or N]? (all units)	3.	Emissions Unit ID No.s Under Cap (if not all units)	4.	Hourly Cap (lb/hr)	5.	Annual Cap (ton/yr)	6.	Basis for Emissions Cap
7.	Facility-Wi	de o	or Multi-Unit	Emi	ssions Cap Com	mer	nt:				

C. FACILITY ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated 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) ☐ Applicable ☐ Previously Submitted, Date: ☐ Attachment Process Flow Diagram(s): (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) ☐ Applicable ☐ Previously Submitted, Date: ☐ Attachment Precautions to Prevent Emissions of Unconfined Particulate Matter: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) ☐ Applicable ☐ Previously Submitted, Date: ☐ Attachment Additional Requirements for Air Construction Permit Applications Area Map Showing Facility Location: (Not applicable for existing permitted facility) ☐ Applicable ☐ Attachment Description of Proposed Construction, Modification, or Plantwide Applicability Limit (PAL): ☐ Applicable ☐ Attachment Rule Applicability Analysis: ☐ Applicable ☐ Attachment List of Exempt Emissions Units: ☐ Applicable ☐ Attachment Fugitive Emissions Identification: ☐ Attachment ☐ Applicable Air Quality Analysis (Rule 62-212.400(7), F.A.C.): ☐ Applicable ☐ Attachment Source Impact Analysis (Rule 62-212.400(5), F.A.C.): ☐ Applicable ☐ Attachment Air Quality Impact since 1977 (Rule 62-212.400(4)(e), F.A.C.): ☐ Attachment ☐ Applicable Additional Impact Analyses (Rules 62-212.400(8) and 62-212.500(4)(e), F.A.C.): ☐ Applicable ☐ Attachment 10. Alternative Analysis Requirement (Rule 62-212.500(4)(g), F.A.C.): ☐ Applicable Attachment

Add	litional 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, bu applications)	t not for revision
		☐ Attachment
2.	Identification of Applicable Requirements (Required for initial/renewal application applications if this information would be changed as a result of the resought):	
	☐ Applicable	☐ Attachment
3.	Compliance Report and Plan: (Required for all initial/revision/renewal application Note: A compliance plan must be submitted for each emissions unit that is not all applicable requirements at the time of application and/or at any time during processing. The department must be notified of any changes in compliance stapplication processing.	ot in compliance with ng application
	☐ Applicable	☐ Attachment
4.	List of Equipment/Activities Regulated under Title VI (If applicable, require 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, recinitial/renewal applications only):	quired for
	☐ Applicable	☐ Attachment
6.	Requested Changes to Current Title V Air Operation Permit: Applicable	☐ Attachment
Add	litional Doquinaments for Easilities Subject to Asid Dain on CAID Drogre	
1.	litional Requirements for Facilities Subject to Acid Rain or CAIR Progra Acid Rain Program Forms:	<u>III:</u>
1.	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 Form No. 62-210.900(1)(b)):	
	☐ Applicable ☐ Previously Submitted, Date:	☐ Attachment
Oth	er Information Regarding this Facility:	
1.	Other Facility Information:	

✓ Included

Additional Requirements Comment

See Permit Application Narrative for all applicable attachments.

Facility Attachments

Supplemental Item	Electronic File Name	Attachment Description	Electronic Document	
Other Facility Information	Osprey - Auburndale Peaker Energy Center Title V Renewal Appendices B - M (Facility ID No. 1050334).pdf		Yes	05/13/2015
	Osprey - Auburndale Peaker Energy Center Title V Renewal Narrative and Appendix A (Facility ID No. 1050334).pdf	Permit Application Narrative and Appendix A	Yes	05/13/2015

III. EMISSIONS UNIT INFORMATION A. GENERAL EMISSIONS UNIT INFORMATION

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.									
Emi	missions Unit Description and Status									
1.	Type of Emissions U	nit Addressed in this Secti	ion: (Check one)							
	process or produ	Unit Information Section a ction unit, or activity, whi definable emission point (s	ch produces one or more a	, ,						
	process or produ	Unit Information Section a ction units and activities vut may also produce fugiti	which has at least one defin	, 0 1						
	<u> </u>	Unit Information Section a ction units and activities v	,	· · · · · · · · · · · · · · · · · · ·						
2.	Description of Emissions Unit Addressed in this Section: 170MW Combustion Turbine Configured for Combined Cycle									
3.	Emissions Unit Ident	ification Number: 1								
4.	Emissions Unit Status Code: A	5. Commence Construction Date: 21-SEP-01	6. Initial Startup Date: 18-MAR-04	7. Emissions Unit Major Group SIC Code: 49						
8.	Federal Program App ✓ Acid Rain Unit ☐ CAIR Unit	olicability: (Check all that	apply)							
9.	Package Unit SIEM Manufacturer:	IENS-WESTINGHOUSE	Model Number:	501FD						
10.	Generator Nameplate	e Rating: 192 MW								
11.	Emissions Unit Com Unit became reactiva	ment: ated on 1/1/2011. For prior	information see unit 007	in facility 1050221.						

Emissions Unit Control Equipment

Code	Equipment	Description
139	SCR (SELECTIVE CATALYTIC REDUCTION)	Selective Catalytic Reduction

B. EMISSIONS UNIT CAPACITY INFORMATION

(Optional for unregulated emissions units.)

<u>Emissions Unit Operating Capacity and Schedule</u>

1.	Maximum Process or Throughput Rate:						
2.	Maximum Production Rate:						
3.	Maximum Heat Input Rate: 1875 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: heat input rating excludes power augmentat	ion					
	meat input rating excitaces power augmentat	1011					

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

Emission Point Description and Type

1.	Identification of Point on Plot Diagram: COMBINED CYCLE UNIT		2. Emission Point Type Code:2 - An emission point serving 2 or more EU's capable of simultaneous operation			
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: 3 - 250 MMBtu Duct burner (included in EU001) 					
5.	Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION	6. Stack Height 142 feet	t:	7. Exit Diameter: 18.5 feet		
8.	Exit Temperature: 200° F	9. Actual Voluments Rate: 1021100 acf		10. Water Vapor: 8.4 %		
11.	Maximum Dry Standard Flow dscfm	v Rate:	12. Nonstack Emission Point Height: feet			
13.	Emission Point UTM Coordin Zone: 17 East (km) North (km)	: 421	14. Emission Point Latitude/Longitude Latitude: 28° 3' 12" N Longitude: 81° 48' 43" W			
15.	Emission Point Comment: one stack for comb cycle unit	w/ duct burner				

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1 1. Segment Description (Process/Fuel Type): Source Classification Code (SCC): 3. SCC Units: 20100201 Million Cubic Feet Natural Gas Burned **Estimated Annual Activity** 6. 4. Maximum Hourly Rate: 5. Maximum Annual Rate: Factor: 1.814 15892 Million Btu per SCC Unit: 7. Maximum % Sulfur: 8. Maximum % Ash: 920 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	3. Secondary Control	4. Pollutant	Valid?
1. I officially Efficient	Device Code	Device Code	Regulatory Code	v una:
CO				Yes
CPM				Yes
H001				Yes
H006				Yes
H015				Yes
H017				Yes
H021				Yes
H026				Yes
H027				Yes
H046				Yes
H085				Yes
H095				Yes
H113				Yes
H114				Yes
H132				Yes
H133				Yes
H151				Yes
H157				Yes
H162				Yes
H169				Yes
H186				Yes
NH3				Yes
NOX	SCR (SELECTIVE CATALYTIC REDUCTION)		EL	Yes
PB				Yes
PM				Yes
PM10				Yes
PM2.5				Yes
SO2				Yes
TBAC				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: CO - Carbon Monoxide	2. Total P	erce	ent E	ency of Control:			
3.	Potential Emissions: 45 lb/hour 197.1 to	ons/year	4.	nthet nited Yes				
5.	Range of Estimated Fugitive Emissions (as approx to to	imated 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. Baselin From:	ne 2	4-mc	onth	Period: To:		
9.a.	a. Projected Actual Emissions (if required): tons/year 9.b. I			9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years				
10.	Calculation of Emissions: See permit application narrative							
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment: 45 lb/hr is equivalent to allowable emission 10 ppmvd @ 15% O2 ISO.							

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 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: 2004-01-01			
3.	Allowable Emissions and Units: 10 PARTS PER MILLION DRY GAS VOLUME @ 15% O2 ISO	4. Equivalent Allowable Emissions: 45 lb/hour tons/yea				
5.	Method of Compliance: CEMS 24-hr block average.					
6.	Allowable Emissions Comment (Description o	f Op	erating Method):			

Limit applies on days when no valid hour includes duct burner, power augmentation or operation

below 30% (excludes startup &/or shutdown). Basis for Allowable: BACT.

Allowable Emissions Allowable Emissions 2 of 2

All	Anowable 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:	2			
3.	Allowable Emissions and Units: 17 PARTS PER MILLION DRY GAS VOLUME @ 15% O2 ISO	4.	Equivalent Allowable Emissions: lb/hour	tons/year			
5.	Method of Compliance:						

5. Method of Compliance: CEMS 24-hr block average and stack test.

6. Allowable Emissions Comment (Description of Operating Method):
Limit applies on days when at least one valid hour includes duct burner, power augmentation or operation below 30% (excludes startup &/or shutdown). Basis for Allowable: BACT.

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1.	Pollutant Emitted: CPM - Condensible Particulate Matter	2. Total P	erce	nt E	ffici	ency of	Control:	
3.	Potential Emissions: lb/hour to	ons/year	4.		nthen nited 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):	8.b. Baselir	ne 24	4-m	onth	Period:		
	tons/year	From:				To:		
9.a.	Projected Actual Emissions (if required):	9.b. Projecto	ed N	ed Monitoring Period:				
	tons/year	☐ 5 y	ears	;			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: H001 - Acetaldehyde	2. Total P	. Total Percent Efficiency of Control:					
3.	Potential Emissions: .075 lb/hour .329 to	ons/year			thet nited Yes		☑ No	
5.	Range of Estimated Fugitive Emissions (as app to to	olicable): ons/year						
6.	Emission Factor:				7.	Emissic	ons 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. Projecto		toring Period:				
10.	Calculation of Emissions: See permit application narrative							
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: .12 lb/hour .526 to	tons/year			thet nited Yes		☑ No	
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year							
6.	Emission Factor:				7.	Emissio	ns Method Code:	
	Reference:							
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	nth	Period: To:		
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projected Monit 5 years				toring Period:		
10.	Calculation of Emissions: See permit application narrative							
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Commer	nt:					

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

No Pollutant Allowable Emissions information submitted.

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1.	Pollutant Emitted: H015 - Arsenic Compounds (inorganic including arsine)	2. Total P	Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour to	ons/year	4.	Lin				
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. Baselii From:	rom: To:					
9.a.	Projected Actual Emissions (if required): tons/year		ected Monitoring Period: 5 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.

(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: .0225 lb/hour .0986 to	ons/year	4. Lin	nthet nited Yes				
5.	Range of Estimated Fugitive Emissions (as app to to	licable): ons/year						
6.	Emission Factor:			7.	Emissions Method Code:			
	Reference:							
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselii From:	ne 24-me	onth	Period: To:			
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto ☐ 5 y	ed Moni ears	torin	g Period:			
10.	Calculation of Emissions: See permit application narrative							
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:						
	H021 - Beryllium Compounds							
3.	Potential Emissions: lb/hour to	ons/year	4.	Lin			□ No	
5.	Range of Estimated Fugitive Emissions (as app	licable):						
	to to	ons/year						
6.	Emission Factor:				7.	Emissic	ons Method Code:	
	Reference:							
8.a.	Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mo	nth	Period:		
	tons/year	From:				To:		
9.a.	Projected Actual Emissions (if required):	9.b. Projecte	ed N	Ionit	orin	ng Period	:	
	tons/year	□ 5 y	ears	1		<u> </u>	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: H026 - 1,3-Butadiene	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: .000806 lb/hour .00353 to	ons/year	Lin			☑ No	
5.	Range of Estimated Fugitive Emissions (as app to to	olicable): ons/year					
6.	Emission Factor:				7.	Emissic	ons Method Code:
	Reference:						
8.a.	Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mc	onth		
	tons/year	From:				To:	
9.a.	Projected Actual Emissions (if required):	9.b. Projecto	ed N	Ionit	orir	ng Period	l:
	tons/year	☐ 5 y	ears	}		<u> </u>	0 years
10.	Calculation of Emissions:						
	See permit application narrative						
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:	ons/year	4.	Lim			□ No	
5.	Range of Estimated Fugitive Emissions (as app to to	licable): ons/year						
6.	Emission Factor:				7.	Emissic	ons Method Code:	
	Reference:							
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	nth	Period: To:		
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Mears		orin	_	: 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:	2. Total Percent Efficiency of Control:						
	H046 - Chromium Compounds							
3.	Potential Emissions: lb/hour to	ons/year	4.	Lim			□ No	
5.	Range of Estimated Fugitive Emissions (as app	licable):						
	to to	ons/year						
6.	Emission Factor:				7.	Emissic	ons Method Code:	
	Reference:							
8.a.	Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mo	nth	Period:		
	tons/year	From:				To:		
9.a.	Projected Actual Emissions (if required):	9.b. Projecto	ed M	1onit	orin	g Period	:	
	tons/year	☐ 5 y	ears			<u> </u>	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: H085 - Ethyl benzene	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: .06 lb/hour .263 to	ons/year	Lim			☑ No	
5.	Range of Estimated Fugitive Emissions (as app to to	licable): ons/year					
6.	Emission Factor:				7.	Emission	s Method Code:
	Reference:						
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	nth	Period: To:	
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed M ears		orin	•	years
10.	Calculation of Emissions: See permit application narrative						
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: .281 lb/hour 1.23 to	ons/year	4.	Lim			✓ No		
5.	Range of Estimated Fugitive Emissions (as app to to	licable): ons/year							
6.	Emission Factor:				7.	Emissio	ons Method Code:		
	Reference:								
8.a.	Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mo	nth	Period:			
	tons/year	From:				To:			
9.a.	Projected Actual Emissions (if required):	9.b. Projecto	ed N	Ionit	orin	ng Period	l:		
	tons/year	☐ 5 y	ears	}			0 years		
10.	Calculation of Emissions:								
	See permit application narrative								
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:						
	H113 - Manganese Compounds							
3.	Potential Emissions: lb/hour to	ons/year	4. Lin	nthet nited Yes				
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-m	onth	Period:			
	tons/year	From:			To:			
9.a.	Projected Actual Emissions (if required):	9.b. Projecto	ed Moni	torin	ng Period:			
	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:						
	H114 - Mercury Compounds							
3.	Potential Emissions: lb/hour to	ons/year	4.	Lin			□ No	
5.	Range of Estimated Fugitive Emissions (as app	licable):						
	to to	ons/year						
6.	Emission Factor:				7.	Emissic	ons Method Code:	
	Reference:							
8.a.	Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mo	nth	Period:		
	tons/year	From:				To:		
9.a.	Projected Actual Emissions (if required):	9.b. Projecto	ed N	Ionit	orin	g Period	:	
	tons/year	☐ 5 y	ears	1			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: H132 - Naphthalene	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: .00244 lb/hour .0107 to	ons/year	Lim			☑ No	
5.	Range of Estimated Fugitive Emissions (as app to to	licable): ons/year					
6.	Emission Factor:				7.	Emissio	ns Method Code:
	Reference:						
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	nth	Period: To:	
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Mears		orin	•	: 0 years
10.	Calculation of Emissions: See permit application narrative						
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.	Lim			□ No	
5.	Range of Estimated Fugitive Emissions (as app to to	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	nth	Period: To:		
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed M ears		orir	•	l: 10 years	
10.	Calculation of Emissions:							
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Commer	nt:					

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

(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: 1b/hour to	ons/year	4. Lin	nthet nited Yes				
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): 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 ears	torin	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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H157 - Propylene oxide	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: .0544 lb/hour .238 to	ons/year	4.	Lim			☑ No
5.	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): tons/year	8.b. Baselin From:	ne 24	4-mo	nth	Period: To:	
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed M ears		orir	_	: 0 years
10.	Calculation of Emissions: See permit application narrative						
11.	1. 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.	Lim			□ No
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. Baselin From:	ne 2	4-mo	nth	Period: To:	
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed M		orir	•	l: 10 years
10.	Calculation of Emissions:						
11.	1. 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: H169 - Toluene	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: .244 lb/hour 1.07 to	ons/year	4.	Lim			☑ No
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year						
6.	Emission Factor:				7.	Emissio	ns Method Code:
	Reference:						
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	nth	Period: To:	
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Mears		orin	•	: 0 years
10.	Calculation of Emissions: See permit application narrative						
11.	1. 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:	ons/year	4.	Lin	thet nited Yes		
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	onth	Period: To:	
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Mears		torin	ng Period:	
10.	Calculation of Emissions: See permit application narrative						
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. Т	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: 30.4 lb/hour 133.2	tons/ye		4.	Lin	nthet nited Yes		
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year							
6.	Emission Factor: Reference:					7.	Emissions Method (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORS CASE ALLOWAB EMISSION.	ST-
8.a	Baseline Actual Emissions (if required): tons/year		Baselin From:	e 2	4-m	onth	Period: To:	
9.a	Projected Actual Emissions (if required): tons/year	9.b. P	Projecte □ 5 ye			torir	g Period: ☐ 10 years	
10.	Calculation of Emissions: See permit application narrative							
11.	1. Pollutant Potential, Fugitive, and Actual Emissions Comment: 30.4 lb/hr is equivalent to 9 ppmvd @ 15% O2.							

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

Allowable Emissions Allowable Emissions 1 of 1

1.	Basis for Allowable Emissions Code: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	Future Effective Date of Allowable Emissions:				
3.	Allowable Emissions and Units: 9 TEST REQUIRED (NO ALLOWABLE EMISSION)	4.	Equivalent Allowable Emissions: 30.4 lb/hour 133.2 tons/year				
5.	Method of Compliance: Stack test						
6.	Allowable Emissions Comment (Description of Operating Method): 9 PPM - Ammonia emissions will be stack tested once per year. See permit application narrative.						

(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:	ons/year	4.	Lim	theti ited Yes	ically ?
5.	Range of Estimated Fugitive Emissions (as app to to	olicable): ons/year				
6.	Emission Factor: Reference:					Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST- CASE ALLOWABLE EMISSION.
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	nth]	Period: To:
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecte ☐ 5 y	ed M ears		orin	g Period:
10.	Calculation of Emissions: See permit application narrative					
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.

Allowable 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: 2004-01-01					
3.	Allowable Emissions and Units: 3.5 PARTS PER MILLION DRY GAS VOLUME @ 15% O2	4.	Equivalent Allowable Emissions: 27.5 lb/hour 120.5 tons/year					
5.	Method of Compliance: CEMS 24-hr block average.							
6.	Allowable Emissions Comment (Description of Operating Method):							

Limit applies whether or not each unit is operating w/ duct burner on or in power augmentation

Allowable Emissions Allowable Emissions 2 of 2

mode. TPY limit based on 27.5 lb/hr. Basis for Allowable: BACT.

1.	Basis for Allowable Emissions Code: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	Future Effective Date of All Emissions:	lowable			
3.	Allowable Emissions and Units: 27.5 POUNDS/HOUR	4.	Equivalent Allowable Emis 27.5 lb/hour	ssions: 120.5 tons/year			
5.	Method of Compliance: Annual stack test.						
6.	Allowable Emissions Comment (Description of Operating Method): Limit applies while operating in power augmentation mode w/ duct burner on. Basis for Allowable: PSD-FL-287.						

(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 to	ons/year		nthet nited Yes			
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-m	onth	Period: To:		
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto ☐ 5 y	ed Moni ears	torin	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.

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 - PM (Filterable)	2. Total P	erce	nt E	ffici	ency of Control:
3.	Potential Emissions: 24.1 lb/hour 105.6 t	ons/year	4.	Lim		
5.	Range of Estimated Fugitive Emissions (as approximated 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	nth	Period: To:
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto ☐ 5 y	ed M		orin	g Period:
10.	Calculation of Emissions: See permit application narrative					
11.	Pollutant Potential, Fugitive, and Actual Emiss	ions Commer	nt:			

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

<u>Allowable Emissions</u> 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: 24.1 POUNDS/HOUR	4.	Equivalent Allowable Emissions: 24.1 lb/hour 105.6 tons/year
5.	Method of Compliance: Initial stack test and renewal.		
6.	Allowable Emissions Comment (Description o Initial stack test at 100% output w/ duct burner for Allowable: PSD-FL-287.	-	,

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: PM10 - Particulate Matter - PM10 (Filterable)		erce	ent Ef	fici	ency of Control:			
3.	Potential Emissions: 24.1 lb/hour 105.6	tons/year	4.	Synt Lim	ited				
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. Baselin From:	ne 2	4-moi	nth	Period: To:			
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed M ears		orin	g Period: 10 years			
10.	Calculation of Emissions: See permit application narrative								
11.	Pollutant Potential, Fugitive, and Actual Emiss	ions Comme	nt:						

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

Allowable Emissions Allowable Emissions 1 of 1

1.	Basis for Allowable Emissions Code: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	Future Effective Date of All Emissions:	lowable
3.	Allowable Emissions and Units: 24.1 POUNDS/HOUR	4.	Equivalent Allowable Emis 24.1 lb/hour	ssions: 105.6 tons/year
5.	Method of Compliance: PM test.			
6.	Allowable Emissions Comment (Description o PM10 is assumed to be the same as PM.	f Op	erating Method):	

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: PM2.5 - Particulate Matter - PM2.5 (Filterable)	2. Total I	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: 24.1 lb/hour 105.6	tons/year		nthet mited Yes					
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:		onth	Period: To:				
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projec		itorin	toring Period:				
10.	Calculation of Emissions: See permit application narrative								
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	nt E	ffici	ency of Control:			
3.	Potential Emissions: 10.9 lb/hour 47.9 to	ons/year	4.	Lin					
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. Baselin From:	ne 24	4-mc	nth	Period: To:			
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed M ears		orin	g Period:			
10.	Calculation of Emissions: See permit application narrative								
11.	1. Pollutant Potential, Fugitive, and Actual Emissions Comment: permit limit is 2 grains S per 100 scf of natural gas								

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

<u>Allowable Emissions</u> 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 OTHER (SPECIFY IN COMMENT)	4.	Equivalent Allowable Emissions: 10.9 lb/hour 47.9 tons/year
5.	Method of Compliance: Custom Fuel Monitoring Schedule.		
6.	Allowable Emissions Comment (Description o Sulfur content not greater than 2 grains per 100 effectively limits the combined SO2 emissions) stai	ndard cubic foot of natural gas. This allowable

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: TBAC - t-Butyl Acetate	2. Total Percent Efficiency of Control:					Control:
3.	Potential Emissions:	ons/year 4. Lin			thet nited Yes		□ No
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. Projecto ☐ 5 y	ed M ears		torir	_	l: 10 years
10.	Calculation of Emissions:						
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Commer	nt:				

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

No Pollutant Allowable Emissions information submitted.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: VOC - Volatile Organic Compounds	2. Total F	Perce	ent E	ffici	ency of Control:
3.	Potential Emissions: 12.4 lb/hour 54.3 t	ons/year	4.	Lin	nthet nited Yes	
5.	Range of Estimated Fugitive Emissions (as approximated 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. Baseli From:	ne 2	4-m	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: See permit application narrative					
11.	Pollutant Potential, Fugitive, and Actual Emission 2 12.4 lb/hr is equivalent to allowable emission 2 compliance			% O2	2 IS(D.initial stack test only for

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

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: 2.3 PARTS PER MILLION DRY GAS VOLUME @ 15% O2 ISO	4.	Equivalent Allowable Emissions: 5.8 lb/hour 25.4 tons/year
5.	Method of Compliance: Initial stack test and renewal.		

6. Allowable Emissions Comment (Description of Operating Method):
Limit applies when the duct burner is off. Basis for Allowable: PSD-FL-287.initial test is required to demonstrate compliance, thereafter, CO emission limit will be employed as a surrogate

Allowable Emissions Allowable Emissions 2 of 2

7 111	Thowavic 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: 4.6 PARTS PER MILLION DRY GAS VOLUME @ 15% O2 ISO	4.	Equivalent Allowable Emissions: 12.4 lb/hour 54.3 tons/year
5.	Method of Compliance: Initial stack test and renewal.		

6. Allowable Emissions Comment (Description of Operating Method):
Limit applies when duct burner is on and operating in power augmentation mode. Basis for Allowable: PSD-FL-287.

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
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1.	Visible Emissions Subtype:	2. Basis for Allowabl	e Opacity:
	VE10 - VISIBLE EMISSIONS - 10%	\square Rule	Other
	NORMAL OPACITY		
3.	Allowable Opacity:		
	Normal Conditions: % Excep	otional Conditions:	%
	Maximum Period of Excess Opacity Allowed:		min/hour
4.	Method of Compliance:		
	EPA METHOD 9		
5.	Visible Emissions Comment:		
	Unit effective 1/1/2011. For prior test data see	eu7 in facility 1050221.	

H. CONTINUOUS MONITOR INFORMATION

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

Continuous Monitoring System: Continuous Monitor 1 of 4

1.	Parameter Code: EM - EMISSION	2.	Pollutant(s) CO, NOX	:
3.	CMS Requirement:		Rule	☐ Other
4.	Monitor Information Manufacturer: ROSEMOUNT ANALYTICAL Model Number: NGA CLD	Ĺ	N	Serial U1006517 umber:
5.	Installation Date:	6.	Performanc 07-MAY-04	e Specification Test Date:
7.	Continuous Monitor Comment: NOX CEMS. Unit effective 1/1/2011. For prio	r tes	t data see eu7	7 in facility 1050221.
	Status: Active			
Con	tinuous Monitoring System: Continuous Mo	nito	r 2 of 4	
1.	Parameter Code: EM - EMISSION	2.	Pollutant(s)	:
3.	CMS Requirement:		Rule	☐ Other
4.	Monitor Information Manufacturer: ROSEMONT Model Number: NGA2000		N	Serial 30082674393
5.	Installation Date:	6.	Performanc 07-MAY-04	e Specification Test Date:
7.	Continuous Monitor Comment: CO and O2. Unit effective 1/1/2011. For prior	test (data see eu7 i	in facility 1050221.
	Status: Active			

COL	timuous Momitoring System: Continuous Mc	ши.	3 01 4	
1.	Parameter Code: EM - EMISSION	2.	Pollutant(s): NH3	
3.	CMS Requirement:		Rule	☐ Other
4.	Monitor Information Manufacturer: ROSEMONT Model 195005 Number:			Serial nber:
5.	Installation Date:	6.	Performance S 07-MAY-04	Specification Test Date:
7.	Continuous Monitor Comment: NH3 MONITOR. Unit effective 1/1/2011. For	prio	r test data see e	u7 in facility 1050221.
	Status: Active			
Cor	ntinuous Monitoring System: Continuous Mo	nito	r 4 of 4	
1.	Parameter Code: EM - EMISSION	2.	Pollutant(s): NOX	
3.	CMS Requirement:		Rule	☐ Other
4.	Monitor Information Manufacturer: ROSEMOUNT Model Number: 195005			Serial nber:
5.	Installation Date:	6.	Performance S	Specification Test Date:
7.	Continuous Monitor Comment: For NOx	-		
	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 vyears and would not be altered as a result of the revision being sought) Applicable Previously Submitted, Date:	
2.	Fuel Analysis or Specification (Required for all permit applications, except 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 bein Applicable Previously Submitted, Date:	tment within the
3.	Detailed Description of Control Equipment (Required for all permit application operation permit revision applications if this information was submitted within the previous five years and would not be altered as a result of the result of the result. Applicable Previously Submitted, Date:	d to the department
4.	Procedures for Startup and Shutdown (Required for all operation permit at 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 result. Applicable Previously Submitted, Date:	tted to the department
5.	Operation and Maintenance Plan (Required for all permit applications, exception applications if this information was submitted to the depart previous five years and would not be altered as a result of the revision bein Applicable Previously Submitted, Date:	tment within the
6.	Compliance Demonstration Reports/Records Applicable Previously Submitted, Date: To Be Submitted, Date (if known): Previously Submitted Test Date(s)/Pollutants Tested: To be Submitted Test Date(s)/Pollutants Tested: Note: For FESOP applications, all required compliance demonstration rec submitted at the time of application. For Title V air operation permit applicompliance demonstration reports/records must be submitted at the time of compliance plan must be submitted at the time of application.	cations, all required
7.	Other Information Required by Rule or Statute Applicable	☐ Attachment

Additional Requirements for Title V Air Operation Permit Applications

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

Add	Additional Requirements for Air Construction Permit Applications				
1.	Control Technology Review and Analysis (Rules 62-212.400(10) and 62-212. CFR 63.43(d) and (e))	.500(7), F.A.C.; 40			
	☐ Applicable	☐ Attachment			
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.400(4)(d), F.A. 212.500(4)(f), F.A.C.)	A.C., and Rule 62-			
	☐ Applicable	☐ Attachment			
3.	Description of Stack Sampling Facilities (Required for proposed new stack satisfies)	mpling facilities			
	☐ Applicable	☐ 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 Information Section that is not elsewhere provided in the application, not othe that you, the applicant, believe may be helpful.				
Add	litional Requirements Comment				

III. EMISSIONS UNIT INFORMATION A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

1.		ing for an initial, revised on air construction permit		ation permit. Skip this
	The emissions u emissions unit.	nit addressed in this Emiss	sions Unit Information Sec	ction is a regulated
	☐ The emissions u emissions unit.	nit addressed in this Emiss	sions Unit Information Sec	ction is an unregulated
Emi	ssions Unit Descripti	on and Status		
1.	Type of Emissions U	nit Addressed in this Sect	ion: (Check one)	
	process or produ	Unit Information Section a action unit, or activity, whi definable emission point (s	ch produces one or more	
	process or produ	Unit Information Section a activities was also produce fugiti	which has at least one defi	
		Unit Information Section a activities v		
2.	•	sions Unit Addressed in the		
_		Turbine Configured for C	combined Cycle	
3.	Emissions Unit Ident	tification Number: 2		•
4.	Emissions Unit Status Code:	5. Commence Construction Date: 07-SEP-01	6. Initial Startup Date: 20-MAR-04	7. Emissions Unit Major Group SIC Code:
	71	07-SE1-01	20-1417 110-04	49
8.	Federal Program App	plicability: (Check all that	apply)	
	Acid Rain Unit			
	☐ CAIR Unit			
9.	Package Unit SIEM Manufacturer:	MENS-WESTINGHOUSE	Model Number:	501FD
10.	Generator Nameplate	e Rating: 192 MW		
11.	Emissions Unit Com Unit became reactive stack for CT, HRSG	ated on 1/1/2011. For prior	information see unit 008	in facility 1050221.same

Emissions Unit Control Equipment

Code	Equipment	Description
139	SCR (SELECTIVE CATALYTIC REDUCTION)	Selective Catalytic Reduction

B. EMISSIONS UNIT CAPACITY INFORMATION

(Optional for unregulated emissions units.)

<u>Emissions Unit Operating Capacity and Schedule</u>

1.	Maximum Process or Throughput Rate:				
2.	Maximum Production Rate:				
3.	Maximum Heat Input Rate: 1875 million Bt	tu/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: heat input rating excludes power augmentat	ion			
	meat input rating excitaces power augmentat	1011			

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

Emission Point Description and Type

1 Identification of Point on Plot Plan or Flow 2 Emission Point Type Code

1.	Identification of Point on Plot Plan or Flow Diagram: UNIT 2 COMBINED CYCLE STACK		2.	 Emission Point Type Code: 2 - An emission point serving 2 or more EU capable of simultaneous operation 		
3.	Descriptions of Emission Points Comprising			missions Unit	for VE Tracking:	
4.	ID Numbers or Descriptions of 4 - 250 MMBtu Duct Burn				on Point in Common:	
5.	Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION	6. Stack Height: 142 feet			7. Exit Diameter: 18.5 feet	
8.	Exit Temperature: 200° F	9. Actual Voluments Rate: 1021100 acf		ic Flow	10. Water Vapor: 8.4 %	
11.	Maximum Dry Standard Flow Rate: dscfm		12.	Nonstack Er	nstack Emission Point Height:	
13.	3. Emission Point UTM Coordinates Zone: 17 East (km): 421 North (km): 3103.2		14.		int Latitude/Longitude Latitude: 28° 3' 12" N Longitude: 81° 48' 43" W	
15.	Emission Point Comment: stack serves CT, HRSG and c	luct burner				

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1 1. Segment Description (Process/Fuel Type): Source Classification Code (SCC): 3. SCC Units: 20100201 Million Cubic Feet Natural Gas Burned **Estimated Annual Activity** 4. Maximum Hourly Rate: 6. 5. Maximum Annual Rate: Factor: 1.926 15892 Million Btu per SCC Unit: Maximum % Sulfur: 8. Maximum % Ash: 920 10. Segment Comment: Based on 100% load, 59 degrees F and 8,760 hr/yr. 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	Valid?
			Code	
CO			EL	Yes
CPM				Yes
H001				Yes
H006				Yes
H015				Yes
H017				Yes
H021				Yes
H026				Yes
H027				Yes
H046				Yes
H085				Yes
H095				Yes
H113				Yes
H114				Yes
H132				Yes
H133				Yes
H151				Yes
H157				Yes
H162				Yes
H169				Yes
H186				Yes
NH3			EL	Yes
NOX	SCR (SELECTIVE CATALYTIC REDUCTION)			Yes
PB				Yes
PM				Yes
PM10				Yes
PM2.5				Yes
SO2				Yes
TBAC				Yes
VOC				Yes

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: CO - Carbon Monoxide	2. Total P	erce	nt I	Effici	iency of Control:
3.	Potential Emissions: 45 lb/hour 197.1 t	ons/year	4.		nthe mited	
5.	Range of Estimated Fugitive Emissions (as approx 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-m	onth	Period: To:
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto ☐ 5 y	ed N ears		itorii	ng Period:
10.	Calculation of Emissions: 45 lb/hr times 8760 hours per year					
11.	Pollutant Potential, Fugitive, and Actual Emissi 45 lb/hr is equivalent to allowable emission 10) (2)	ISO.	

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

1.	Basis for Allowable Emissions Code: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	 Future Effective Date of Allowable Emissions: 2004-01-01 					Emissions:					
3.	Allowable Emissions and Units: 10 PARTS PER MILLION DRY GAS VOLUME @ 15% O2 ISO	4. Equivalent Allowable Emissions: 45 lb/hour tons/y											
5.	Method of Compliance: CEMS 24-hr block average.												
6.	Allowable Emissions Comment (Description of Operating Method):												

Limit applies on days when no valid hour includes duct burner, power augmentation or operation

below 30% (excludes startup &/or shutdown). Basis for Allowable: BACT.

Allowable Emissions Allowable Emissions 2 of 2

	Time waste 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: 17 PARTS PER MILLION DRY GAS VOLUME @ 15% O2 ISO	4.	Equivalent Allowable Emissions: lb/hour tons/yea	ar
5.	Method of Compliance:			

CEMS 24-hr block average and stack test.

6. Allowable Emissions Comment (Description of Operating Method):
Limit applies on days when at least one valid hour includes duct burner, power augmentation or operation below 30% (excludes startup &/or shutdown). Basis for Allowable: BACT.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: CPM - Condensible Particulate Matter	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour to	ons/year	4.	Lim			□ No	
5.	Range of Estimated Fugitive Emissions (as app to to	licable): ons/year						
6.	Emission Factor:				7.	Emissio	ons Method Code:	
	Reference:							
8.a.	Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mo	nth			
0	tons/year	From:	1.3	<i>r</i> · ·		To:	•	
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto ☐ 5 y	ea Iv ears		orir	_	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.

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: .075 lb/hour .329 to	ons/year	4.	Lim			☑ No	
5.	Range of Estimated Fugitive Emissions (as app to to	licable): 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	4-mo	nth	Period: To:		
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Mears		orin	•	0 years	
10.	Calculation of Emissions: See permit application narrative							
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: .12 lb/hour .526 to	ons/year	4.	Lim			✓ No	
5.	Range of Estimated Fugitive Emissions (as app to to	licable): ons/year						
6.	Emission Factor:				7.	Emissic	ons Method Code:	
	Reference:							
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	nth	Period: To:		
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Mears		orin	_	: 0 years	
10.	Calculation of Emissions: See permit application narrative							
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: H015 - Arsenic Compounds (inorganic including arsine)	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour to	ons/year	4.	Lin				
5.	Range of Estimated Fugitive Emissions (as approximately to to	olicable): ons/year						
6.	Emission Factor:				7.	Emissions Method Code:		
	Reference:							
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselii From:	ne 2	4-mc	onth	Period: To:		
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto ☐ 5 y	ed N ears		orin	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.

(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: .0225 lb/hour .0986 to	ons/year		nthet nited Yes				
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): 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 ears	torin	g Period:			
10.	Calculation of Emissions: See permit application narrative							
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 P	erce	nt E	Effici	iency of	Control:
3.	Potential Emissions: lb/hour to	ons/year	4.	Lin	nthen nited Yes		□ No
5.	Range of Estimated Fugitive Emissions (as app to to	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 2	4-m	onth	Period: To:	
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Projecto ☐ 5 y	ed N ears		torir	•	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: H026 - 1,3-Butadiene	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: .000806 lb/hour .00353 to	ons/year	4.	Lim			☑ No	
5.	Range of Estimated Fugitive Emissions (as app to to	licable): ons/year						
6.	Emission Factor:				7.	Emissio	ns Method Code:	
	Reference:							
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	nth	Period: To:		
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Mears		orin	_	0 years	
10.	Calculation of Emissions: See permit application narrative							
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:						
	H027 - Cadmium Compounds							
3.	Potential Emissions: lb/hour to	ons/year	4. Lin	nthet nited Yes				
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-mo	onth	Period:			
	tons/year	From:			To:			
9.a.	Projected Actual Emissions (if required):	9.b. Projecto	ed Moni	torin	ng Period:			
	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: H046 - Chromium Compounds	2. Total P	erce	nt E	ffici	ency of (Control:
3.	Potential Emissions: lb/hour to	ons/year	4.	Lim			□ No
5.	Range of Estimated Fugitive Emissions (as app to to	licable): 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	nth	Period: To:	
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Mears		orir	•	l: 10 years
10.	Calculation of Emissions:						
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Commer	nt:				

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

(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: .06 lb/hour .263 to	ons/year	4.	Lim			☑ No	
5.	Range of Estimated Fugitive Emissions (as app to to	licable): ons/year						
6.	Emission Factor:				7.	Emission	s Method Code:	
	Reference:							
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	nth	Period: To:		
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed M ears		orin	•	years	
10.	Calculation of Emissions: See permit application narrative							
11.	1. 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: H095 - Formaldehyde	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: .281 lb/hour 1.23 to	ons/year	4.	Lin			☑ No	
5.	Range of Estimated Fugitive Emissions (as app to to	olicable): ons/year						
6.	Emission Factor:				7.	Emissic	ons Method Code:	
	Reference:							
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 2	4-mc	onth	Period: To:		
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed N ears		torir	•	: 0 years	
10.	Calculation of Emissions: See permit application narrative							
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: H113 - Manganese Compounds	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour to	ons/year	4.	Lim			□ 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):	8.b. Baselin	ne 24	4-mo	nth	Period:			
	tons/year	From:				To:			
9.a.	Projected Actual Emissions (if required):	9.b. Projecto	ed N	Ionit	orir	ng Period	l:		
	tons/year	☐ 5 y	ears	}			10 years		
10.	Calculation of Emissions:								
11.	1. 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:	ons/year	4.	Lim			□ No		
5.	Range of Estimated Fugitive Emissions (as app to to	licable): ons/year							
6.	Emission Factor:				7.	Emissio	ons Method Code:		
	Reference:								
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24	4-mo	nth	Period: To:			
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Mears		orir	•	l: 10 years		
10.	Calculation of Emissions:								
11.	1. 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: H132 - Naphthalene	2. Total P	erce	ent E	Effici	iency of	Control:
3.		ons/year	4.		nthe nited Yes		✓ No
5.	Range of Estimated Fugitive Emissions (as app to to	ons/year					
6.	Emission Factor:				7.	Emissio	ons Method Code:
	Reference:						
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 2	4-m	onth	Period: To:	
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto ☐ 5 y	ed N ears		torii	•	d: 10 years
10.	Calculation of Emissions: See permit application narrative						
11.	1. 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: 1b/hour to	ons/year	4. Lin	nthet nited Yes					
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-mo	onth					
	tons/year	From:			To:				
9.a.	Projected Actual Emissions (if required):	9.b. Projecto	ed Moni	torir	ng Period:				
	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: H151 - Polycyclic organic matter	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour to	ons/year	4.	Lin	nthet nited Yes		□ No		
5.	Range of Estimated Fugitive Emissions (as app to to	licable): ons/year							
6.	Emission Factor:				7.	Emissio	ns 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. Projecto	ed Mears		torir	•	: 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.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: H157 - Propylene oxide	2. Total P	Total Percent Efficiency of Control:				
3.	Potential Emissions: .0544 lb/hour .238 to	ons/year	4.	Lim			✓ No
5.	Range of Estimated Fugitive Emissions (as app to to	licable): ons/year					
6.	Emission Factor:				7.	Emissio	ns Method Code:
	Reference:						
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	nth	Period: To:	
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed M ears		orin	_	0 years
10.	Calculation of Emissions: See permit application narrative						
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: H162 - Selenium Compounds	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour to	ons/year	4.	Lim			□ No
5.	Range of Estimated Fugitive Emissions (as app to to	licable): ons/year					
6.	Emission Factor:				7.	Emissio	ons Method Code:
	Reference:						
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 2	4-mo	nth	Period: To:	
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed M		orir	•	l: 10 years
10.	Calculation of Emissions:						
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Commer	nt:				

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

(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: .244 lb/hour 1.07 to	ons/year	4. L	ynthe imited			
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): tons/year	8.b. Baselin From:	ne 24-r	nonth	Period: To:		
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto ☐ 5 y	ed Mor	nitorii	ng Period:		
10.	Calculation of Emissions: See permit application narrative						
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 P	Percent Efficiency of Control:				
3.	Potential Emissions: .12 lb/hour .526 to	ons/year	4.	Lim			☑ No
5.	Range of Estimated Fugitive Emissions (as app to to	olicable): ons/year					
6.	Emission Factor:				7.	Emissio	ons Method Code:
	Reference:						
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24	4-mo	nth	Period: To:	
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed M ears		orir	_	: 0 years
10.	Calculation of Emissions: See permit application narrative						
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	ffici	ency of Control:
3.	Potential Emissions: 30.4 lb/hour 133.2 to	ons/year	4.	Lin	nthet nited Yes	
5.	Range of Estimated Fugitive Emissions (as approx 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. Baselii From:	ne 2	4-m	onth	Period: To:
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Project ☐ 5 y	ed N ears		torir	ng Period:
10.	Calculation of Emissions: See permit application narrative					
11.	Pollutant Potential, Fugitive, and Actual Emissi 30.4 lb/hr is equivalent to 9 ppmvd @ 15% O2		nt:			

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

<u>Allowable Emissions</u> 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: 9 TEST REQUIRED (NO ALLOWABLE EMISSION)	4.	Equivalent Allowable Emissions: 30.4 lb/hour 133.2 tons/year							
5.	Method of Compliance: Stack test									
6.	Allowable Emissions Comment (Description of Operating Method): 9 PPM - Ammonia emissions will be stack tested once per year. See permit application narrative.									

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: NOX - Nitrogen Oxides	2. Total P	ercent Efficiency of Control:				
3.	Potential Emissions: 27.5 lb/hour 120.5 to	ons/year	4.	Lim			
5.	Range of Estimated Fugitive Emissions (as app to to	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-mc	nth	Period: To:	
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto ☐ 5 y	ed N ears		orin	g Period:	
10.	Calculation of Emissions: See permit application narrative						
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.

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: 2004-01-01					
3.	Allowable Emissions and Units: 3.5 PARTS PER MILLION DRY GAS VOLUME @ 15% O2	4.	Equivalent Allowable Emissions: 27.5 lb/hour 120.5 tons/year				
5.	Method of Compliance: CEMS 24-hr block average.						
6.	Allowable Emissions Comment (Description o Limit applies whether or not each unit is operation)	-	,				

Allowable Emissions Allowable Emissions 2 of 2

mode. TPY limit based on 27.5 lb/hr. Basis for Allowable: BACT.

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: 27.5 POUNDS/HOUR	4. Equivalent Allowable Emissions: 27.5 lb/hour 120.5 tons/year					
5.	Method of Compliance: Annual stack test.						
6.	Allowable Emissions Comment (Description o Limit applies while operating in power augmentallowable: PSD-FL-287.	,					

(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 to				heti ited' Yes	cally ? □ 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): tons/year	8.b. Baselin From:	ne 24	l-mor	nth]	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

1.	Pollutant Emitted: PM - Particulate Matter - PM (Filterable)	2. Total P	erce	ent Eff	îci€	ency of Control:					
3.	Potential Emissions: 24.1 lb/hour 105.6 t	ons/year	4.	Synt Limi	ted						
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. Baselin From:	ne 24	4-mor	nth :	Period: To:					
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years									
10.	Calculation of Emissions: See permit application narrative										
11.	Pollutant Potential, Fugitive, and Actual Emissi	ions Commer	nt:								

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

Allowable Emissions Allowable Emissions 1 of 1

1.	Basis for Allowable Emissions Code: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2.	Future Effective Date of Allowable Emissions:				
3.	Allowable Emissions and Units: 24.1 POUNDS/HOUR	4.	Equivalent Allowable Emissions: 24.1 lb/hour 105.6 tons/year				
5.	Method of Compliance: Initial stack test and renewal.						
6.	Allowable Emissions Comment (Description o Initial stack test at 100% output w/ duct burner for Allowable: PSD-FL-287.	-	-				

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: PM10 - Particulate Matter - PM10 (Filterabl		2. Total Po	erce	nt E	ffici	ency of Control:				
3.	Potential Emissions: 24.1 lb/hour 105.6	5 to	ons/year	4.	Lin	thet nited Yes					
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. Baselin From:	ne 24	4-mc	onth	Period: To:				
9.a.	Projected Actual Emissions (if required): tons/year		-	jected Monitoring Period: 5 years □ 10 years							
10.	Calculation of Emissions: See permit application narrative										
11.	Pollutant Potential, Fugitive, and Actual Emi	ssic	ons Commer	nt:							

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

Allowable Emissions Allowable Emissions 1 of 1

1.	Basis for Allowable Emissions Code: (OTHER) assumed by applicant for other reasons (Explain in comment field)	2. Future Effective Date of Allowable Emissions:						
3.	Allowable Emissions and Units: 24.1 POUNDS/HOUR	4.	4. Equivalent Allowable Emissions: 24.1 lb/hour 105.6 tons/ye					
5.	Method of Compliance: PM test.							
6.	Allowable Emissions Comment (Description o PM10 is assumed to be the same as PM.	f Op	erating Method):					

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: PM2.5 - Particulate Matter - PM2.5 (Filterable)	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: lb/hour t	ons/year 4. Syn							
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. Baselii From:	ne 24-m	nonth	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	ions 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: SO2 - Sulfur Dioxide	2. Total Percent Efficiency of Control:								
3.	Potential Emissions: 10.9 lb/hour 47.9 to	ons/year	4. Lii	nthet nited Yes						
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. 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	itorir	ng Period:					
10.	Calculation of Emissions: See permit application narrative									
11.	1. Pollutant Potential, Fugitive, and Actual Emissions Comment: Permit limit is 2 grains S per 100 scf of natural gas.									

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

<u>Allowable Emissions</u> 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 OTHER (SPECIFY IN COMMENT)	4.	Equivalent Allowable Emissions: 10.9 lb/hour 47.9 tons/year		
5.	Method of Compliance: Custom Fuel Monitoring Schedule.				
6.	Allowable Emissions Comment (Description o Sulfur content not greater than 2 grains per 100 effectively limits the combined SO2 emissions) star	ndard cubic foot of natural gas. This allowable		

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: TBAC - t-Butyl Acetate	2. Total P	erce	nt Ei	ffici	ency of (Control:		
3.	Potential Emissions:	ons/year					□ 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	nth	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.

No Pollutant Allowable Emissions information submitted.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: VOC - Volatile Organic Compounds		2. Total Po	erce	nt E	Effici	iency of Control:				
3.	Potential Emissions: 12.4 lb/hour 54.3	to	ons/year	4.		nthen nited Yes					
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year										
6.	Emission Factor: Reference:					7.	Emissions Method Coo (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST- CASE ALLOWABLE EMISSION.	le:			
8.a	. Baseline Actual Emissions (if required): tons/year		8.b. Baselin From:	ne 24	4-m	onth	Period: To:				
9.a	. Projected Actual Emissions (if required): tons/year		9.b. Projecte ☐ 5 y	ed M ears		itorii	ng Period:				
10.	Calculation of Emissions: See permit application narrative										
11.	1. Pollutant Potential, Fugitive, and Actual Emissions Comment: 12.4 lb/hr is equivalent to allowable emission 4.6 ppmvd @ 15% O2 ISO.										

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

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: 2.3 PARTS PER MILLION DRY GAS VOLUME @ 15% O2 ISO	4.	Equivalent Allowable Emissions: 5.8 lb/hour 25.4 tons/year
5.	Method of Compliance: Initial stack test and renewal.		
6.	Allowable Emissions Comment (Description o Limit applies when duct burner is off. Basis for	•	,

Allowable Emissions Allowable Emissions 2 of 2

And	Allowable Ellissions 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: 4.6 PARTS PER MILLION DRY GAS VOLUME @ 15% O2 ISO	4.	Equivalent Allowable Emissions: 12.4 lb/hour 54.3 tons/year
5.	Method of Compliance: Initial stack test and renewal.		
6.	Allowable Emissions Comment (Description o	f Op	erating Method):

6. Allowable Emissions Comment (Description of Operating Method):
Limit applies when duct burner is on and operating in power augmentation mode. Basis for Allowable: PSD-FL-287.

G. VISIBLE EMISSIONS INFORMATION

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

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

1.	Visible Emissions Subtype: VE10 - VISIBLE EMISSIONS - 10%	2. Basis for Allowa	1 2
	NORMAL OPACITY	☐ Rule	✓ Other
3.	8. Allowable Opacity: Normal Conditions: % Exceptional Conditions: Maximum Period of Excess Opacity Allowed:		% min/hour
4.	Method of Compliance: EPA METHOD 9		
5.	Visible Emissions Comment: Unit effective 1/1/2011. For prior test data see by BACT	eu8 in facility 105022	1. Opacity limit established

H. CONTINUOUS MONITOR INFORMATION

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

Continuous Monitoring System: Continuous Monitor 1 of 5

1.	Parameter Code: EM - EMISSION	2. Pollutant(s): CO, NOX	
3.	CMS Requirement:	☐ Rule ☐ Other	
4.	Monitor Information Manufacturer: ROSEMOUNT ANALYTICAL Model Number: NGA CLD	L Serial Number: U1006821	
5.	Installation Date:	6. Performance Specification Test Date: 07-MAY-04	
7.	Continuous Monitor Comment: NOX CEMS. Unit effective 1/1/2011. For prior	or test data see eu8 in facility 1050221.	
	Status: Active		
Con	tinuous Monitoring System: Continuous Mo	onitor 2 of 5	
1.	Parameter Code: EM - EMISSION	2. Pollutant(s): CO	
3.	CMS Requirement:	☐ Rule ☐ Other	
4.	Monitor Information Manufacturer: ROSEMOUNT ANALYTICAL Model Number:	L Serial 30082674392 Number:	
5.	Installation Date:	6. Performance Specification Test Date: 07-MAY-04	
7.	Continuous Monitor Comment: CO and O2. Unit effective 1/1/2011. For prior	test data see eu8 in facility 1050221.	
	Status: Active		
	·		

Cor	Continuous Monitoring System: Continuous Monitor 3 of 5				
1.	Parameter Code:	2.	Pollutant(s):		
	EM - EMISSION		NH3		
3.	CMS Requirement:		Rule	☐ Other	
4.	Monitor Information				
	Manufacturer: ROSEMONT				
	Model 195005		Sei		
	Number: 173003		Numbe	er:	
5.	Installation Date:	6.	Performance Spe	ecification Test Date:	
			07-MAY-04		
7.	Continuous Monitor Comment:				
	NH3 MONITOR. Unit effective 1/1/2011. For prior test data see eu8 in facility 1050221.		in facility 1050221.		
	Status: Active				
Cor	ntinuous Monitoring System: Continuous Mo	nito	r 4 of 5		
1.	Parameter Code:	2.	Pollutant(s):		
1.	EM - EMISSION	2.	CO		
_		_			
3.	CMS Requirement:	Ш	Rule	☐ Other	
4.	Monitor Information				
	Manufacturer: ROSEMOUNT				
	Model Number NGA 2000		Sei		
	Number: NGA 2000		Numbe	er:	
5.	Installation Date:	6.	Performance Spe	ecification Test Date:	
7.	Continuous Monitor Comment:				
	CO				
	Status: Active				

Continuous Monitoring System: Continuous Monitor 5 of 5

1.	Parameter Code: EM - EMISSION	2. Pollutant(s): NOX
3.	CMS Requirement:	☐ Rule ☐ Other
4.	Monitor Information Manufacturer: ROSEMOUNT Model Number: 195005	Serial Number:
5.	Installation Date:	6. Performance Specification Test Date:
7.	Continuous Monitor Comment: NOx	
	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 vyears and would not be altered as a result of the revision being sought) Applicable Previously Submitted, Date:	
2.	Fuel Analysis or Specification (Required for all permit applications, except 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 bein Applicable Previously Submitted, Date:	tment within the
3.	Detailed Description of Control Equipment (Required for all permit application operation permit revision applications if this information was submitted within the previous five years and would not be altered as a result of the result of the result. Applicable Previously Submitted, Date:	d to the department
4.	Procedures for Startup and Shutdown (Required for all operation permit at 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 result. Applicable Previously Submitted, Date:	tted to the department
5.	Operation and Maintenance Plan (Required for all permit applications, exception applications if this information was submitted to the depart previous five years and would not be altered as a result of the revision bein Applicable Previously Submitted, Date:	tment within the
6.	Compliance Demonstration Reports/Records Applicable Previously Submitted, Date: To Be Submitted, Date (if known): Previously Submitted Test Date(s)/Pollutants Tested: To be Submitted Test Date(s)/Pollutants Tested: Note: For FESOP applications, all required compliance demonstration rec submitted at the time of application. For Title V air operation permit applicompliance demonstration reports/records must be submitted at the time of compliance plan must be submitted at the time of application.	cations, all required
7.	Other Information Required by Rule or Statute Applicable	☐ Attachment

Additional Requirements for Title V Air Operation Permit Applications

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

Add	litional Requirements for Air Construction Permit Applications	
1.	Control Technology Review and Analysis (Rules 62-212.400(10) and 62-CFR 63.43(d) and (e))	212.500(7), F.A.C.; 40
	☐ Applicable	☐ Attachment
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.400(4)(d) 212.500(4)(f), F.A.C.)	, F.A.C., and Rule 62-
	☐ Applicable	☐ Attachment
3.	Description of Stack Sampling Facilities (Required for proposed new stac only)	k sampling facilities
	☐ Applicable	☐ 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 addresse Information Section that is not elsewhere provided in the application, not that you, the applicant, believe may be helpful.	
Add	ditional Requirements Comment	

III. EMISSIONS UNIT INFORMATION A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

1.		ing for an initial, revised on air construction permit		ation permit. Skip this
	The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.			
	☐ The emissions u emissions unit.	nit addressed in this Emiss	sions Unit Information Sec	etion is an unregulated
Emi	missions Unit Description and Status			
1.	Type of Emissions Unit Addressed in this Section: (Check one)			
	process or produ	Unit Information Section a action unit, or activity, whi definable emission point (s	ch produces one or more a	
	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: 250 MMBtu Duct burner (included in EU001)			
3.	Emissions Unit Iden	tification Number: 3		
4.	Emissions Unit Status Code: A	5. Commence Construction Date: 17-SEP-01	6. Initial Startup Date: 18-MAR-04	7. Emissions Unit Major Group SIC Code: 49
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.		ment: nted on 1/1/2011. For prior nre included in overall com		in facility

Emissions Unit Control Equipment

Code	Equipment	Description
205	LOW NOX BURNERS	Low NOx Burner

B. EMISSIONS UNIT CAPACITY INFORMATION

(Optional for unregulated emissions units.)

<u>Emissions Unit Operating Capacity and Schedule</u>

1.	Maximum Process or Throughput Rate:		
2.	Maximum Production Rate:		
3.	Maximum Heat Input Rate: 250 million Btu/hr		
4.	Maximum Incineration Rate:	pounds/hr tons/day	
5.	Requested Maximum Operating Schedu	ıle:	
		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.)

Emission Point Description and Type

1.	Identification of Point on Plo Diagram: COMBINED CYCLE UNIT		2. Emission Point Type Code:2 - An emission point serving 2 or more EU's capable of simultaneous operation				
3.	Descriptions of Emission Poi	nts Comprising th	nis Emissions Unit for VE Tracking:				
4.	ID Numbers or Descriptions of 1 - 170MW Combustion T						
5.	Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION	6. Stack Height 142 feet	t:	7. Exit Diameter: 18.5 feet			
8.	Exit Temperature: 200° F	9. Actual Voluments Rate: 1021100 acf		10. Water Vapor: 8.4 %			
11.	Maximum Dry Standard Flov dscfm	v Rate:	12. Nonstack Emission Point Height: feet				
13.	Emission Point UTM Coordin Zone: 17 East (km) North (km)	: 421	14. Emission Point Latitude/Longitude Latitude: 28° 3' 12" N Longitude: 81° 48' 43" W				
15.	Emission Point Comment: one stack for comb cycle unit	w/ duct burner					

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1 Segment Description (Process/Fuel Type): duct burner 2. Source Classification Code (SCC): 3. SCC Units: 10200601 Million Cubic Feet Natural Gas Burned **Estimated Annual Activity** 6. 4. Maximum Hourly Rate: 5. Maximum Annual Rate: Factor: .245 2146.2 Million Btu per SCC Unit: 7. Maximum % Sulfur: 8. Maximum % Ash: 920 10. Segment Comment: Based on 100% load and 8,760 hr/yr. 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?
CO				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: CO - Carbon Monoxide	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: 1b/hour to	ons/year		nthenited Yes				
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-m	onth	Period:			
	tons/year	From:			To:			
9.a.	Projected Actual Emissions (if required):	9.b. Projecto	ed Moni	torir	ng Period:			
	tons/year	☐ 5 y	ears		☐ 10 years			
10.	Calculation of Emissions:							
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment: emissions included within EU-001							

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: NOX - Nitrogen Oxides	2. Total P	erce	ent E	Effici	iency of Control:
3.	Potential Emissions: lb/hour t	ons/year	4.	Liı	nthe nited Yes	
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-m	onth	Period: To:
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Projecto ☐ 5 y	ed N ears		itorii	ng Period:
10.	Calculation of Emissions:					
11.	Pollutant Potential, Fugitive, and Actual Emissis emissions included within EU-001	ons Commer	nt:			

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

|--|

1.	Basis for Allowable Emissions Code: (OTHER) 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: 25 lb/hour 109.5 tons/year			
5.	Method of Compliance: CEMS					

6. Allowable Emissions Comment (Description of Operating Method):
Limit applies when the duct burner ONLY is firing. Limit is more stringent than NSPS. Basis for Allowable: PSD-FL-287.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: PM - Particulate Matter - PM (Filterable)	2. Total P	erce	nt E	Effici	iency of	Control:
3.	Potential Emissions: lb/hour to	ons/year	4.	Lir	nthen nited Yes		☑ No
5.	Range of Estimated Fugitive Emissions (as app to to	olicable): ons/year					
6.	Emission Factor:				7.	Emissio	ons Method Code:
	Reference:						
8.a	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 2	4-m	onth	Period: To:	
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Projecto ☐ 5 y	ed N		itorii	•	1: 10 years
10.	Calculation of Emissions:						
11.	Pollutant Potential, Fugitive, and Actual Emissi emissions included with EU-001	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: PM10 - Particulate Matter - PM10 (Filterable)	2. Total Percent Efficiency of Control:					
3.	Potential Emissions:	ons/year	4.	Lim			✓ No
5.	Range of Estimated Fugitive Emissions (as app to to	licable): ons/year					
6.	Emission Factor:				7.	Emissic	ons Method Code:
	Reference:						
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24	4-mo	nth	Period: To:	
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed M ears		orir	_	: 0 years
10.	Calculation of Emissions:						
11.	Pollutant Potential, Fugitive, and Actual Emissi emissions included within EU-001	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: SO2 - Sulfur Dioxide	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour to	ons/year	4.	Lim			
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): tons/year	8.b. Baselin From:	ne 24	4-mo	nth	Period: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto ☐ 5 y	ed M ears		orin	ng Period:	
10.	Calculation of Emissions:						
11.	Pollutant Potential, Fugitive, and Actual Emissi emissions included within EU-001	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: VOC - Volatile Organic Compounds	2. Total P	erce	ent E	Effici	iency of	Control:
3.	Potential Emissions: lb/hour to	ons/year	4.	Lir	nthen		☑ No
5.	Range of Estimated Fugitive Emissions (as app to to	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 2	4-m	onth	Period: To:	
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Projecto ☐ 5 y	ed N		torir	_	d: 10 years
10.	Calculation of Emissions:						
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment: emissions included within EU-001						

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 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) Applicable Previously Submitted, Date:	
2.	Fuel Analysis or Specification (Required for all permit applications, exception permit revision applications if this information was submitted to the department of the revision be altered as a result of the revision be Applicable Previously Submitted, Date:	artment within the
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 Previously Submitted, Date:	ed to the department
4.	Procedures for Startup and Shutdown (Required for all operation permit V 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 Applicable Previously Submitted, Date:	itted to the department
5.	Operation and Maintenance Plan (Required for all permit applications, expermit revision applications if this information was submitted to the departure of the years and would not be altered as a result of the revision be Applicable Previously Submitted, Date:	artment within the
6.	Compliance Demonstration Reports/Records Applicable Previously Submitted, Date: To Be Submitted, Date (if known): Previously Submitted Test Date(s)/Pollutants Tested: To be Submitted Test Date(s)/Pollutants Tested: Note: For FESOP applications, all required compliance demonstration resubmitted at the time of application. For Title V air operation permit application reports/records must be submitted at the time compliance plan must be submitted at the time of application.	lications, all required
7.	Other Information Required by Rule or Statute Applicable	☐ Attachment

Additional Requirements for Title V Air Operation Permit Applications

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

Add	litional Requirements for Air Construction Permit Applications	
1.	Control Technology Review and Analysis (Rules 62-212.400(10) and 62-212. CFR 63.43(d) and (e))	500(7), F.A.C.; 40
	☐ Applicable	☐ Attachment
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.400(4)(d), F.A. 212.500(4)(f), F.A.C.)	A.C., and Rule 62-
	☐ Applicable	☐ Attachment
3.	Description of Stack Sampling Facilities (Required for proposed new stack satisfies)	mpling facilities
	☐ Applicable	☐ 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 Information Section that is not elsewhere provided in the application, not othe that you, the applicant, believe may be helpful.	
Add	litional Requirements Comment	

III. EMISSIONS UNIT INFORMATION A. GENERAL EMISSIONS UNIT INFORMATION

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 u emissions unit.	nit addressed in this Emiss	sions Unit Information Sec	ction is a regulated					
	☐ The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.								
<u>Emi</u>	Emissions Unit Description and Status								
1.	Type of Emissions U	nit Addressed in this Sect	ion: (Check one)						
	process or produ	Unit Information Section a action unit, or activity, whi definable emission point (s	ch produces one or more a	, –					
	process or produ	Unit Information Section a action units and activities was also produce fugiti	which has at least one defin	, 0 1					
	☐ 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.	•	tions Unit Addressed in the urner (included in EU002)	is Section:						
3.	Emissions Unit Ident	tification Number: 4							
4.	Emissions Unit Status Code: A	5. Commence Construction Date: 17-SEP-01	6. Initial Startup Date: 20-MAR-04	7. Emissions Unit Major Group SIC Code: 49					
8.	Federal Program Applicability: (Check all that apply) ✓ Acid Rain Unit □ CAIR Unit								
9.	Package Unit Manufacturer:		Model Number:						
10.	Generator Nameplate	e Rating: MW							
11.		ment: nted on 1/1/2011. For prior re included in overall com		in facility					

Emissions Unit Control Equipment

Code	Equipment	Description
205	LOW NOX BURNERS	Low NOx Burner

B. EMISSIONS UNIT CAPACITY INFORMATION

(Optional for unregulated emissions units.)

<u>Emissions Unit Operating Capacity and Schedule</u>

1.	Maximum Process or Throughput Rate:		
2.	Maximum Production Rate:		
3.	Maximum Heat Input Rate: 250 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.)

Emission Point Description and Type

1.	Identification of Point on Plo Diagram: UNIT 2 COMBINED CYCL		2. Emission Point Type Code:2 - An emission point serving 2 or more EU's capable of simultaneous operation				
3.	Descriptions of Emission Poi	nts Comprising th	his Emissions Unit for VE Tracking:				
4.	 ID Numbers or Descriptions of Emission Units with this Emission Point in Common: 2 - 170MW Combustion Turbine Configured for Combined Cycle 						
5.	Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION	6. Stack Height 142 feet	t:	7. Exit Diameter: 18.5 feet			
8.	Exit Temperature: 200° F	9. Actual Voluments Rate: 1021100 acf		10. Water Vapor: 8.4 %			
11.	Maximum Dry Standard Flov dscfm	v Rate:	12. Nonstack Emission Point Height: feet				
13.	3. Emission Point UTM Coordinates Zone: 17 East (km): 421 North (km): 3103.2		14. Emission Point Latitude/Longitude Latitude: 28° 3' 12" N Longitude: 81° 48' 43" W				
15.	Emission Point Comment: stack serves CT, HRSG and o	luct burner					

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1 1. Segment Description (Process/Fuel Type): Source Classification Code (SCC): 3. SCC Units: 10200601 Million Cubic Feet Natural Gas Burned **Estimated Annual Activity** 4. Maximum Hourly Rate: 6. 5. Maximum Annual Rate: Factor: .245 2146.2 Million Btu per SCC Unit: 7. Maximum % Sulfur: 8. Maximum % Ash: 920 10. Segment Comment: Based on 100% load and 8,760 hr/yr. 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?
CO				Yes
NOX	LOW NOX BURNERS			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	ons/year	4.	Lim			☑ No
5.	Range of Estimated Fugitive Emissions (as app	licable):					
	to to	ons/year					
6.	Emission Factor:				7.	Emissio	ns Method Code:
	Reference:						
8.a.	Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mc	nth	Period:	
	tons/year	From:				To:	
9.a.	Projected Actual Emissions (if required):	9.b. Projecto	ed N	Ionit	orin	g Period:	
	tons/year	□ 5 y	ears			□ 1	0 years
10.	Calculation of Emissions:						
11.	Pollutant Potential, Fugitive, and Actual Emissions included within EU-002	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: NOX - Nitrogen Oxides	2. Total P	erce	ent Et	ffici	ency of (Control:
3.	Potential Emissions: lb/hour to	ons/year	4.	Lim			☑ No
5.	Range of Estimated Fugitive Emissions (as app to to	olicable): ons/year					
6.	Emission Factor:				7.	Emissic	ons Method Code:
	Reference:						
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24	4-mo	nth	Period: To:	
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed M ears		orir	_	l: 10 years
10.	Calculation of Emissions:						
11.	Pollutant Potential, Fugitive, and Actual Emissions included within EU-002	ons Commer	nt:				

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

Allowable Emissions Allowable Emissions 1 of 1

1.	Basis for Allowable Emissions Code: (OTHER) assumed by applicant for other reasons (Explain in comment field)	-	Future Effective Date of Allowable Emissions:		
3.	Allowable Emissions and Units: .1 POUNDS PER MILLION BTU HEAT INPUT	4. Equivalent Allowable Emissions: 25 lb/hour 109.5 tons/ye			
5.	Method of Compliance: CEMS.				
6.	Allowable Emissions Comment (Description o Limit applies when the duct burner ONLY is fi Allowable: PSD-FL-287.	-	, , , , , , , , , , , , , , , , , , ,		

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: PM - Particulate Matter - PM (Filterable)	2. Total P	erce	ent E	Effici	iency of	Control:
3.	Potential Emissions:	ons/year	4.	Lir	nthen		☑ No
5.	Range of Estimated Fugitive Emissions (as app to to	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 2	4-m	onth	Period: To:	
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Projecto ☐ 5 y	ed N		torir	_	d: 10 years
10.	Calculation of Emissions:						
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment: emissions included within EU-002						

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 (Filterable)	2. Total P	erce	ent E	Effici	iency of	Control:
3.	Potential Emissions: lb/hour to	ons/year	4.	Lir	nthe nited Yes		☑ No
5.	Range of Estimated Fugitive Emissions (as app to to	licable): ons/year					
6.	Emission Factor:				7.	Emissi	ons Method Code:
	Reference:						
8.a.	Baseline Actual Emissions (if required):	8.b. Baselin	ne 2	4-m	onth	Period:	
	tons/year	From:				To:	
9.a.	Projected Actual Emissions (if required):	9.b. Projecto	ed N	/Ioni	itorii	ng Period	d:
	tons/year	☐ 5 y	ears	5			10 years
10.	Calculation of Emissions:						
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment: emissions included within EU-002						

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 P	ercent E	ffici	ency of Control:
3.	Potential Emissions: 1b/hour to	ons/year	4. Lin	nthet nited Yes	
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-m	onth	Period:
	tons/year	From:			To:
9.a.	Projected Actual Emissions (if required):	9.b. Projecto	ed Moni	torir	ng Period:
	tons/year	☐ 5 y	ears		☐ 10 years
10.	Calculation of Emissions:				
11.	Pollutant Potential, Fugitive, and Actual Emissi emissions included within EU-002	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: VOC - Volatile Organic Compounds	2. Total P	erce	ent E	Effici	iency of	Control:
3.	Potential Emissions: lb/hour to	ons/year	4.	Liı	nthe mited		☑ 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-m	onth	Period: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projecto ☐ 5 y	ed N		itorii	_	d: 10 years
10.	Calculation of Emissions:						
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment: emissions included within EU-002						

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 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 vyears and would not be altered as a result of the revision being sought) Applicable Previously Submitted, Date:	
2.	Fuel Analysis or Specification (Required for all permit applications, except 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 bein Applicable Previously Submitted, Date:	tment within the
3.	Detailed Description of Control Equipment (Required for all permit application operation permit revision applications if this information was submitted within the previous five years and would not be altered as a result of the result. Applicable Previously Submitted, Date:	d to the department
4.	Procedures for Startup and Shutdown (Required for all operation permit at 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 result. Applicable Previously Submitted, Date:	tted to the department
5.	Operation and Maintenance Plan (Required for all permit applications, exception applications if this information was submitted to the depart previous five years and would not be altered as a result of the revision being Applicable Previously Submitted, Date:	tment within the
6.	Compliance Demonstration Reports/Records Applicable Previously Submitted, Date: To Be Submitted, Date (if known): Previously Submitted Test Date(s)/Pollutants Tested: To be Submitted Test Date(s)/Pollutants Tested: Note: For FESOP applications, all required compliance demonstration rec submitted at the time of application. For Title V air operation permit applicompliance demonstration reports/records must be submitted at the time of compliance plan must be submitted at the time of application.	cations, all required
7.	Other Information Required by Rule or Statute Applicable	☐ Attachment

Additional Rec	uirements for	Title V Air O	peration Permit	Applications

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

Add	litional Requirements for Air Construction Permit Applications						
1.	Control Technology Review and Analysis (Rules 62-212.400(10) and 62-212. CFR 63.43(d) and (e))	.500(7), F.A.C.; 40					
	☐ Applicable	☐ Attachment					
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.400(4)(d), F.A. 212.500(4)(f), F.A.C.)	A.C., and Rule 62-					
	☐ Applicable	☐ Attachment					
3.	Description of Stack Sampling Facilities (Required for proposed new stack satisfies)	mpling 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 Information Section that is not elsewhere provided in the application, not othe that you, the applicant, believe may be helpful.						
Add	litional Requirements Comment						

III. EMISSIONS UNIT INFORMATION A. GENERAL EMISSIONS UNIT INFORMATION

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.									
Emi	missions Unit Description and Status									
1.										
	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).									
	process or produ	Unit Information Section a action units and activities was also produce fugition	which has at least one defin	, 0 1						
		Unit Information Section a action units and activities v	, ,							
2.	Description of Emissions Unit Addressed in this Section: cooling tower									
3.	Emissions Unit Iden	tification Number: 5								
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date: 29-APR-04	7. Emissions Unit Major Group SIC Code: 49						
8.	Federal Program Applicability: (Check all that apply) Acid Rain Unit CAIR Unit									
9.	Package Unit Model Number: Manufacturer:									
10.	Generator Nameplate	e Rating: MW								
11.	Emissions Unit Com Unit became reactiva	nment: ated on 1/1/2011. For prior	information see unit 011	in facility 1050221.						

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

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.) Emission Point Description and Type

1.	Identification of Point on Plo Diagram:	t Plan or Flow	2. Emission Point Type Code:3 - A configuration of multiple emissions points serving a single emissions unit		
3.	Descriptions of Emission Poi	nts Comprising th	is Emissions Unit	for VE Tracking:	
4.	ID Numbers or Descriptions	of Emission Units	with this Emissic	on Point in Common:	
5.	Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION	6. Stack Height 55 feet	t:	7. Exit Diameter: 28 feet	
8.	Exit Temperature: ° F	9. Actual Volumetric Flow Rate:		10. Water Vapor: %	
11.	Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Er feet	mission Point Height:	
13.	I3. Emission Point UTM Coordinates Zone: 17 East (km): 421 North (km): 3103.2			vint Latitude/Longitude Latitude: 28° 3' 12" N Longitude: 81° 48' 43" W	
15.	5. Emission Point Comment: Cooling Tower consists of 8 cells w/ individual exhaust fans. Stack height and diameter provided are for each cell exhaust. Exhaust volume and temp. vary w/ ambient temp.				

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1 Segment Description (Process/Fuel Type): Source Classification Code (SCC): 3. SCC Units: 38500101 Million Gallons Cooling Water Throughput **Estimated Annual Activity** 6. 4. Maximum Hourly Rate: 5. Maximum Annual Rate: Factor: 8400 73584000 Maximum % Sulfur: 8. Maximum % Ash: Million Btu per SCC Unit: 10. Segment Comment: Based on cooling tower recirculation flow rates. Is this a valid segment? Yes

E. EMISSIONS UNIT POLLUTANTS

List of Pollutants Emitted by Emissions Unit

1. Pollutant Emitted	 J	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 - PM (Filterable)	2. Total P	erce	nt I	Effic	iency of Control:
3.	Potential Emissions: 1.96 lb/hour 8.6 t	ons/year	4.	Li	nthe mited Yes	
5.	Range of Estimated Fugitive Emissions (as approximated 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-m	onth	Period: To:
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto ☐ 5 y	ed N ears		itorii	ng Period:
10.	Calculation of Emissions: 1.96 lbs/hr times 8760 hrs/yr.					
11.	Pollutant Potential, Fugitive, and Actual Emissi Estimated based upon .002% drift loss	ions 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: PM10 - Particulate Matter - PM10 (Filterable)		ıl Perce	ent Ei	ffici	ency of Control:
3.	Potential Emissions: 1.96 lb/hour 8.6	tons/year	4.	Lim		
5.	Range of Estimated Fugitive Emissions (as ap to	pplicable): 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. Bas From		4-mo	nth	Period: To:
9.a.	Projected Actual Emissions (if required): tons/year		ected M 5 years		orin	g Period:
10.	Calculation of Emissions: 1.96 lbs/hr times 8760 hrs/yr					
11.	Pollutant Potential, Fugitive, and Actual Emis Estimated based upon 0.002% drift loss	sions Comr	ment:			

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 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) Applicable Previously Submitted, Date:	
2.	Fuel Analysis or Specification (Required for all permit applications, exception permit revision applications if this information was submitted to the department of the revision be altered as a result of the revision be Applicable Previously Submitted, Date:	artment within the
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 Previously Submitted, Date:	ed to the department
4.	Procedures for Startup and Shutdown (Required for all operation permit V 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 Applicable Previously Submitted, Date:	itted to the department
5.	Operation and Maintenance Plan (Required for all permit applications, expermit revision applications if this information was submitted to the departure of the years and would not be altered as a result of the revision be Applicable Previously Submitted, Date:	artment within the
6.	Compliance Demonstration Reports/Records Applicable Previously Submitted, Date: To Be Submitted, Date (if known): Previously Submitted Test Date(s)/Pollutants Tested: To be Submitted Test Date(s)/Pollutants Tested: Note: For FESOP applications, all required compliance demonstration resubmitted at the time of application. For Title V air operation permit application reports/records must be submitted at the time compliance plan must be submitted at the time of application.	lications, all required
7.	Other Information Required by Rule or Statute Applicable	☐ Attachment

Additional Re	quirements for	r Title V	Air Operation	Permit Applications
		•		

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

Add	litional Requirements for Air Construction Permit Applications	
1.	Control Technology Review and Analysis (Rules 62-212.400(10) and 62-212. CFR 63.43(d) and (e))	500(7), F.A.C.; 40
	☐ Applicable	☐ Attachment
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.400(4)(d), F.A. 212.500(4)(f), F.A.C.)	A.C., and Rule 62-
	☐ Applicable	☐ Attachment
3.	Description of Stack Sampling Facilities (Required for proposed new stack satisfies)	mpling facilities
	☐ Applicable	☐ 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 Information Section that is not elsewhere provided in the application, not othe that you, the applicant, believe may be helpful.	
Add	litional Requirements Comment	

III. EMISSIONS UNIT INFORMATION A. GENERAL EMISSIONS UNIT INFORMATION

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 use emissions unit.	nit addressed in this Emiss	sions Unit Information Sec	ction is an unregulated		
Emi	ssions Unit Descripti	on and Status				
1.	Type of Emissions U	Init Addressed in this Secti	ion: (Check one)			
	process or produ	Unit Information Section a action unit, or activity, whi definable emission point (s	ch produces one or more	, ,		
	process or produ	Unit Information Section a action units and activities we ut may also produce fugition.	which has at least one defin			
		Unit Information Section a activities was units and activities was activities was activities was activities was activities and activities was activities was activities was activities and activities was activities was activities and activities was activities	, C			
2.	Description of Emiss Simple Cycle Peakin	sions Unit Addressed in thing CT	is Section:			
3.	Emissions Unit Ident	tification Number: 6				
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date: 06-MAY-02	7. Emissions Unit Major Group SIC Code: 49		
8.		plicability: (Check all that	apply)	1		
	☐ Acid Rain Unit☐ CAIR Unit					
9.	Package Unit WESTINGHOUSE Model Number: 501D5A Manufacturer:					
10.	Generator Nameplate	e Rating: 130 MW				
11.	Emissions Unit Com					
		ated on 1/1/2011. For prior avoided PSD through nett		in facility 1050221.Max		

Emissions Unit Control Equipment

Code	Equipment	Description
28	STEAM OR WATER INJECTION	Steam or Water Injecton

B. EMISSIONS UNIT CAPACITY INFORMATION

(Optional for unregulated emissions units.)

Emissions Unit Operating Capacity and Schedule

1.	. Maximum Process or Throughput Rate:				
2.	2. Maximum Production Rate:				
3.	3. Maximum Heat Input Rate: 1776 million Btu/hr				
4.	4. Maximum Incineration Rate: pounds/hr tons/day				
5.	5. Requested Maximum Operating Schedule:				
	24 hours/day	days/week			
	weeks/year	hours/year			
6.	6. Operating Capacity/Schedule Comment: 1776 MMBtu/hr for natural gas; 1726 mmBTU/hr for number 2 equal to 1400 hrs at full load	fuel oil; annual heat input limit			

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

Emission Point Description and Type

3.	Identification of Point on Plo Diagram: Descriptions of Emission Poi		Emission Point Type Code: 1 - A single emission point serving a single emissions unit his 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	6. Stack Heigh 50 feet	t:	7. Exit Diameter: 22 feet			
8.	Exit Temperature: 994° F	9. Actual Volu Rate: 1887143 acf		10. Water Vapor: 8.5 %			
11.	Maximum Dry Standard Flow dscfm	v Rate:	12. Nonstack Er feet	mission Point Height:			
	Emission Point UTM Coordin Zone: 17 East (km) North (km)	: 420.8	14. Emission Point Latitude/Longitude Latitude: 28° 3' 12" N Longitude: 81° 48' 50" W				
13.	5. Emission Point Comment:						

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 2 Segment Description (Process/Fuel Type): allowed up to 400 hours per year of operation on #2 oil Source Classification Code (SCC): 3. SCC Units: 1000 Gallons Distillate Oil (Diesel) Burned 20100101 **Estimated Annual Activity** 6. 4. Maximum Hourly Rate: 5. Maximum Annual Rate: Factor: 564800 1412 Maximum % Ash: 9. Million Btu per SCC Unit: 7. Maximum % Sulfur: 8. .05 10. Segment Comment: Is this a valid segment? Yes

Segi	ment Description and Rate:	Seş	gment 2 of 2					
1.	. Segment Description (Process/Fuel Type):							
2.	2. Source Classification Code (SCC): 20100201			3. SCC Units: Million Cubic Feet Natural Gas Burned				
4.	Maximum Hourly Rate: 1.741	5.	5. Maximum Annual Rate: 2183.7			6.	Estimated Annual Activity Factor:	
7.	Maximum % Sulfur:	8.	Maximum %	δA	sh:	9.	Million Btu per SCC Unit:	
10.	Segment Comment: pipeline quality natural gas							
	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?
CO				Yes
CPM				Yes
H001				Yes
H006				Yes
H015				Yes
H017				Yes
H021				Yes
H026				Yes
H027				Yes
H046				Yes
H085				Yes
H095				Yes
H113				Yes
H114				Yes
H132				Yes
H133				Yes
H151				Yes
H157				Yes
H162				Yes
H169				Yes
H186				Yes
NH3				Yes
NOX				Yes
PB				Yes
PM				Yes
PM10				Yes
PM2.5				Yes
SO2				Yes
TBAC				Yes
VOC				Yes

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: CO - Carbon Monoxide	2. Total P	otal Percent Efficiency of Control:						
3.	Potential Emissions: 180 lb/hour 99 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.	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. Projected Monitoring Period: ☐ 5 years ☐ 10 years							
10.	Calculation of Emissions: 10 PPMVD FOR BOTH FUELS VIA ANNUA	AL TEST							
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment: COMPLIANCE BY CEMS FOR 99 TPY LIMIT								

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

Allowable Emissions Allowable Emissions 1 of 1

1.	Basis for Allowable Emissions Code: (ESCPSD) allow facility/modification to escape PSD preconstruction review	2.	Future Effective Date of Allowable Emissions:			
3.	Allowable Emissions and Units: 10 PARTS PER MILLION DRY GAS VOLUME @ 15% O2	4.	Equivalent Allowable Emissions: lb/hour	tons/year		
5.	Method of Compliance:					
6.	Allowable Emissions Comment (Description o for both gas and oil emissions	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:						
	CPM - Condensible Particulate Matter							
3.	Potential Emissions: lb/hour to	ons/year	4.	Lim			□ No	
5.	5. Range of Estimated Fugitive Emissions (as applicable):							
	to to	ons/year						
6.	Emission Factor:				7.	Emissic	ons Method Code:	
	Reference:							
8.a.	Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mo	nth	Period:		
	tons/year	From:				To:		
9.a.	Projected Actual Emissions (if required):	9.b. Projecto	ed N	1onit	orin	g Period		
	tons/year	☐ 5 y	ears			<u> </u>	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: H001 - Acetaldehyde	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: .071 lb/hour .0445 to	ons/year	4.	Lir	nthe nited Yes		✓ No
5.	Range of Estimated Fugitive Emissions (as app to to	ons/year					
6.	Emission Factor:				7.	Emissi	ons Method Code:
	Reference:						
8.a.	Baseline Actual Emissions (if required):	8.b. Baselin	ne 2	4-m	onth	Period:	
	tons/year	From:				To:	
9.a.	Projected Actual Emissions (if required):	9.b. Projecto	ed N	Moni	torii	ng Period	d:
	tons/year	☐ 5 y	ears	S			10 years
10.	Calculation of Emissions:						
	See permit application narrative						
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: H006 - Acrolein	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: .114 lb/hour .0713 to	ons/year		Synthe 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):	8.b. Baselin	ne 24-	month	Period:			
	tons/year	From:			To:			
9.a.	Projected Actual Emissions (if required):	9.b. Projecto	ed Mo	nitorii	ng Period	l:		
	tons/year	☐ 5 y	ears			0 years		
10.	Calculation of Emissions:							
	See permit application narrative							
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: H015 - Arsenic Compounds (inorganic including arsine)	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: .0195 lb/hour .00391 to	ons/year		nthet nited Yes			
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): 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	torin	g Period:		
10.	Calculation of Emissions: See permit application narrative						
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: H017 - Benzene (including benzene from gasoline)	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour	2288 tons/year 4. Syn					
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): 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	torin	g Period:		
10.	Calculation of Emissions: See permit application narrative						
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: .000551 lb/hour .00011 to	ons/year	4.	Lim			☑ No
5.	Range of Estimated Fugitive Emissions (as app to to	olicable): ons/year					
6.	Emission Factor:				7.	Emissic	ons Method Code:
	Reference:						
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24	4-mo	nth	Period: To:	
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed M ears		orir	_	: 0 years
10.	Calculation of Emissions: See permit application narrative						
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: H026 - 1,3-Butadiene	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: lb/hour .00601 to	ons/year	4.	Lin			☑ No
5.	Range of Estimated Fugitive Emissions (as app to to	olicable):					
6.	Emission Factor:				7.	Emissic	ons Method Code:
	Reference:						
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 2	4-mc	nth	Period: To:	
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed M ears		orin	_	: 0 years
10.	Calculation of Emissions: See permit application narrative						
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: .00852 lb/hour .0017 to	ons/year	4.	Lim			☑ No	
5.	Range of Estimated Fugitive Emissions (as app to to	licable): ons/year						
6.	Emission Factor:				7.	Emissio	ns Method Code:	
	Reference:							
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	nth	Period: To:		
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Mears		orin	_	: 0 years	
10.	Calculation of Emissions: See permit application narrative							
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: .0195 lb/hour .00391 to	ons/year	4.	Lim			☑ No		
5.	Range of Estimated Fugitive Emissions (as app	licable):							
	to to	ons/year							
6.	Emission Factor:				7.	Emissio	ns Method Code:		
	Reference:								
8.a.	Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mo	nth	Period:			
	tons/year	From:				To:			
9.a.	Projected Actual Emissions (if required):	9.b. Projecto	ed N	Ionit	orin	g Period			
	tons/year	☐ 5 y	ears	1		□ 1	0 years		
10.	Calculation of Emissions:								
	See permit application narrative								
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: .0568 lb/hour .0356 to	ons/year	4.	Lim			☑ No	
5.	Range of Estimated Fugitive Emissions (as app to to	licable): ons/year						
6.	Emission Factor:				7.	Emissio	ns Method Code:	
	Reference:							
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	nth	Period: To:		
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed M ears		orin	•	: 0 years	
10.	Calculation of Emissions: See permit application narrative							
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	ons/year	4.	Lin			☑ No	
5.	Range of Estimated Fugitive Emissions (as app to to	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 2	4-mc	onth	Period: To:		
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto ☐ 5 y	ed M ears		torir	_	: 0 years	
10.	Calculation of Emissions: See permit application narrative							
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: 1.4 lb/hour .281 to	ons/year	4.	Lim			☑ No		
5.	Range of Estimated Fugitive Emissions (as app	licable):							
	to to	ons/year							
6.	Emission Factor:				7.	Emissio	ns Method Code:		
	Reference:								
8.a.	Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mo	nth	Period:			
	tons/year	From:				To:			
9.a.	Projected Actual Emissions (if required):	9.b. Projecto	ed N	Ionit	orin	g Period:			
	tons/year	☐ 5 y	ears			□ 1	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: H114 - Mercury Compounds	2. Total P	erce	ent E	ffici	iency of	Control:
3.	Potential Emissions: .00213 lb/hour .000426 to	ons/year	4.	Lin	nthen nited Yes		✓ No
5.	Range of Estimated Fugitive Emissions (as app to to	ons/year					
6.	Emission Factor:				7.	Emissi	ons Method Code:
	Reference:						
8.a.	Baseline Actual Emissions (if required):	8.b. Baselin	ne 2	4-m	onth	Period:	
	tons/year	From:				To:	
9.a.	Projected Actual Emissions (if required):	9.b. Projecto	ed N	/Ioni	torir	ng Period	d:
	tons/year	☐ 5 y	ears	S			10 years
10.	Calculation of Emissions:						
	See permit application narrative						
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 .0134 to	ons/year	4.	Lin	thet nited Yes		☑ No			
5.	Range of Estimated Fugitive Emissions (as app to to	licable): ons/year								
6.	Emission Factor:				7.	Emissio	ns 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. Projecto	ed Mears		torin	_	: 0 years			
10.	Calculation of Emissions: See permit application narrative									
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: .00817 lb/hour .00163 to	ons/year	4.	Lim			✓ No		
5.	Range of Estimated Fugitive Emissions (as app to to	olicable): ons/year							
6.	Emission Factor:				7.	Emissic	ons Method Code:		
	Reference:								
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24	4-mo	nth	Period: To:			
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto ☐ 5 y	ed M ears		orir	_	: 0 years		
10.	Calculation of Emissions: See permit application narrative								
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: H151 - Polycyclic organic matter	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: lb/hour to	ons/year	4.	Lir	nthe nited Yes		□ No	
5.	Range of Estimated Fugitive Emissions (as app to to	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 2	4-m	onth	Period: To:		
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed N ears		torii	_	d: 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: H157 - Propylene oxide	2. Total Percent Efficiency of Control:							
3.	Potential Emissions: .0515 lb/hour .0323 to	ons/year	4.	Lim			☑ No		
5.	Range of Estimated Fugitive Emissions (as app to to	licable): ons/year							
6.	Emission Factor:				7.	Emissio	ns Method Code:		
	Reference:								
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-mo	nth	Period: To:			
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Mears		orin	_	: 0 years		
10.	Calculation of Emissions: See permit application narrative								
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:							
	H162 - Selenium Compounds								
3.	Potential Emissions: .0444 lb/hour .00888 to	ons/year	4.	Lim			☑ No		
5.	Range of Estimated Fugitive Emissions (as app to to	licable): ons/year							
6.	Emission Factor:				7.	Emissic	ons Method Code:		
	Reference:								
8.a.	Baseline Actual Emissions (if required):	8.b. Baselin	ne 24	4-mo	nth	Period:			
	tons/year	From:				To:			
9.a.	Projected Actual Emissions (if required):	9.b. Projecto	ed N	1onit	orir	ng Period	l:		
	tons/year	☐ 5 y	ears	3		<u> </u>	0 years		
10.	Calculation of Emissions:								
	See permit application narrative								
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: .231 lb/hour .145 to	ons/year	4.	Lim			☑ No		
5.	Range of Estimated Fugitive Emissions (as app to to	licable): 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	4-mo	nth	Period: To:			
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed Mears		orin	_	0 years		
10.	Calculation of Emissions: See permit application narrative								
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: H186 - Xylenes (isomers and mixtures)	2. Total P	erce	nt Ef	ffici	ency of (Control:
3.	Potential Emissions: .114 lb/hour .0713 to	ons/year	4.	Lim			✓ No
5.	Range of Estimated Fugitive Emissions (as app to to	olicable):					
6.	Emission Factor:				7.	Emissic	ons Method Code:
	Reference:						
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24	4-mo	nth	Period: To:	
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed M ears		orir	_	: 0 years
10.	Calculation of Emissions: See permit application narrative						
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	ercent E	ffici	ency of Control:
3.	Potential Emissions: lb/hour to	ons/year	4. Lin	nthet nited Yes	
5.	Range of Estimated Fugitive Emissions (as app to to	licable): ons/year			
6.	Emission Factor:			7.	Emissions Method Code:
	Reference:				
8.a.	. Baseline Actual Emissions (if required):	8.b. Baselin	ne 24-mo	onth	
	tons/year	From:			To:
9.a.	. Projected Actual Emissions (if required):	9.b. Projecto	ed Moni	torir	ng Period:
	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.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: NOX - Nitrogen Oxides	2. Total P	erce	ent E	ffici	ency of Control:
3.	Potential Emissions: 245 lb/hour 115 to	ons/year	4.	Syn Lin		
5.	Range of Estimated Fugitive Emissions (as approx to t	olicable): ons/year				
6.	Emission Factor: 52 PPMVD @ 15% O2 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. Baselii From:	ne 2	4-mc	nth	Period: To:
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Project ☐ 5 y	ed N ears		torin	ng Period:
10.	Calculation of Emissions: 25/42 PPMVD FOR GAS/OIL RESPECTIVE	LY See perm	nit ap	plica	atio	n narrative
11.	Pollutant Potential, Fugitive, and Actual Emissi COMPLIANCE BY CEMS; UN-NETTED EM			TPY	7	

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

Allo	wable Emissions	Allowable Emissions 1 c	of 2	
1.	Basis for Allowab	le Emissions Code:	2.	Future Effective Date of Allowable
	(ESCPSD) allow t	facility/modification to		Emissions:

- escape PSD preconstruction review

 3. Allowable Emissions and Units:
 25 PARTS PER MILLION DRY GAS
 VOLUME @ 15% O2

 4. Equivalent Allowable Emissions:
 lb/hour tons/year
- 5. Method of Compliance:
- 6. Allowable Emissions Comment (Description of Operating Method): Limit when burning natural gas

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: 42 PARTS PER MILLION DRY GAS VOLUME @ 15% O2	4.	Equivalent Allowable Emissions: lb/hour	tons/year

- 5. Method of Compliance:
- 6. Allowable Emissions Comment (Description of Operating Method): Limit when burning oil

(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 P	ercent E	fficie	ency of Control:
3.	Potential Emissions: .0249 lb/hour .00497 t	ons/year	4. Lin	ntheti nited Yes	
5.	Range of Estimated Fugitive Emissions (as approximated to t	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-mo	onth I	Period: To:
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto ☐ 5 y	ed Moni ears	toring	g Period: □ 10 years
10.	Calculation of Emissions: See permit application narrative				
11.	Pollutant Potential, Fugitive, and Actual Emissi	ions 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: PM - Particulate Matter - PM (Filterable)	2. Total P	erce	ent Ef	ffici	ency of (Control:
3.	Potential Emissions: 58.5 lb/hour 13 to	ons/year	4.	Lim			☑ No
5.	Range of Estimated Fugitive Emissions (as app to to	olicable): ons/year					
6.	Emission Factor:				7.	Emissio	ons Method Code:
	Reference:						
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24	4-mo	nth	Period: To:	
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed M ears		orir	_	: 0 years
10.	Calculation of Emissions: See permit application narrative						
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: PM10 - Particulate Matter - PM10 (Filterab	e)	2. Total P	erce	ent Et	ffici	ency of Control:
3.	Potential Emissions: 58.5 lb/hour 1	3 t	ons/year	4.	Lim		
5.	Range of Estimated Fugitive Emissions (as		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-mc	nth	Period: To:
9.a.	Projected Actual Emissions (if required): tons/year		9.b. Projecto ☐ 5 y	ed N ears		orin	ng Period:
10.	Calculation of Emissions: See permit application narrative						
11.	Pollutant Potential, Fugitive, and Actual Em	issi	ions Comme	nt:			

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

Allowable Emissions Allowable Emissions 1 of 1

1.	Basis for Allowable Emissions Code: (ESCPSD) allow facility/modification to escape PSD preconstruction review	2.	Future Effective Date of Allowable Emissions:	e
3.	Allowable Emissions and Units: 58.5 POUNDS/HOUR	4.	Equivalent Allowable Emissions: 58.5 lb/hour	tons/year
5.	Method of Compliance:			
6.	Allowable Emissions Comment (Description o Applies when burning oil.	f Op	erating Method):	

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: PM2.5 - Particulate Matter - PM2.5 (Filterable)	2. Total Percent Efficiency of Control:				
3.	Potential Emissions: lb/hour to				theti ited Yes	
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	1-moi	nth	Period: To:
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto ☐ 5 y	ed M ears		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: SO2 - Sulfur Dioxide	2. Total P	erce	nt E	ffici	ency of (Control:
3.	Potential Emissions: 74.9 lb/hour 19.5 to	19.5 tons/year 4. Syr Lin					□ No
5.	Range of Estimated Fugitive Emissions (as app to to	olicable): ons/year					
6.	Emission Factor: Reference:				7.	(0) EQUIV EQUIV ALLOV EMISS	ons Method Code: JAL TO ALENT WABLE ION/WORST- ALLOWABLE ION.
8.a.	. Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24	4-mc	nth	Period: To:	
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years					
10.	Calculation of Emissions: See permit application narrative						
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:						

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

Allowable Emissions Allowable		2210112	1 01 4
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1.	Basis for Allowable Emissions Code: (ESCPSD) allow facility/modification to escape PSD preconstruction review	2.	Future Effective Date of Allowable Emissions:	e		
3.	Allowable Emissions and Units: .05 PERCENT SULFUR IN FUEL	4.	Equivalent Allowable Emissions: 74.9 lb/hour	tons/year		
5.	Method of Compliance:					
6.	Allowable Emissions Comment (Description of Operating Method): Applies when burning oil.					

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:	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:			

- Allowable Emissions Comment (Description of Operating Method): Applies when burning Natural Gas. Limit is on sulfur content of gas.

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1.	Pollutant Emitted: TBAC - t-Butyl Acetate	2. Total Percent Efficiency of Control:				
3.	Potential Emissions:	ons/year	4. Lir	nthet nited		
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-m	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: VOC - Volatile Organic Compounds	2. Total P	erce	ent Ef	ficie	ency of Control:
3.	Potential Emissions: 9.12 lb/hour 5.7 to	ons/year	4.	Synt Lim	ited	
5.	Range of Estimated Fugitive Emissions (as app to to	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-mo	nth	Period: To:
9.a.	. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years				
10.	10. Calculation of Emissions:4/5 PPMVD FOR GAS/OIL RESPECTIVELY See permit application narrative					
11.	11. Pollutant Potential, Fugitive, and Actual Emissions Comment:					

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

Allowable Emissions	Allowable Emissions	1 of 2

1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:	e		
3.	Allowable Emissions and Units: 4 PARTS PER MILLION DRY GAS VOLUME @ 15% O2	4.	Equivalent Allowable Emissions: lb/hour	tons/year		
5.	Method of Compliance:					
6.	Allowable Emissions Comment (Description of Operating Method): Limit when burning Natural Gas. Test prior to permit renewal.					

Allowable Emissions Allowable Emissions 2 of 2

Limit when burning oil.

<u>Allo</u>	Allowable Emissions Allowable Emissions 2 of 2						
1.	Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2.	Future Effective Date of Allowable Emissions:				
3.	Allowable Emissions and Units: 5 PARTS PER MILLION DRY GAS VOLUME @ 15% O2	4.	Equivalent Allowable Emissions: lb/hour tons/year				
5.	Method of Compliance:						
6.	Allowable Emissions Comment (Description o	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
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1.	Visible Emissions Subtype:	2. Basis for Allowable Opacity:				
	VE20 - VISIBLE EMISSIONS - 20% NORMAL OPACITY		✓ Rule	☐ Other		
3.	Allowable Opacity:					
	Normal Conditions: % Excep	otion	al Conditions:	%		
	Maximum Period of Excess Opacity Allowed:			min/hour		
4.	Method of Compliance:					
	EPA METHOD 9					
5.	Visible Emissions Comment:					
	Unit effective 1/1/2011. For prior test data see	eu6	in facility 10502	221.		

H. CONTINUOUS MONITOR INFORMATION

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

Continuous Monitoring System: Continuous Monitor 1 of 2

1.	Parameter Code: EM - EMISSION		Pollutant(s NOX):
3.	CMS Requirement:		Rule	☐ Other
4.	Monitor Information Manufacturer: ROSEMOUNT Model Number: 195005		Λ	Serial Number:
5.	Installation Date:	6.	Performan	ce Specification Test Date:
7.	Continuous Monitor Comment: for NOx. Unit effective 1/1/2011. For prior test	t data	see eu6 in	facility 1050221.
	Status: Active			
Con	tinuous Monitoring System: Continuous Mo	nitor	2 of 2	
1.	Parameter Code: EM - EMISSION		Pollutant(s CO):
3.	CMS Requirement:		Rule	☐ Other
4.	Monitor Information Manufacturer: ROSEMOUNT Model Number: NGA 2000		1	Serial Number: 30121567354
5.	Installation Date:	6.	Performan	ce Specification Test Date:
7.	Continuous Monitor Comment: for CO. Unit effective 1/1/2011. For prior test of	data s	ee eu6 in fa	acility 1050221.
	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) Applicable Previously Submitted, Date:	
2.	Fuel Analysis or Specification (Required for all permit applications, exception permit revision applications if this information was submitted to the department of the revision be altered as a result of the revision be Applicable Previously Submitted, Date:	artment within the
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 Previously Submitted, Date:	ed to the department
4.	Procedures for Startup and Shutdown (Required for all operation permit V 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 Applicable Previously Submitted, Date:	itted to the department
5.	Operation and Maintenance Plan (Required for all permit applications, expermit revision applications if this information was submitted to the departure of the years and would not be altered as a result of the revision be Applicable Previously Submitted, Date:	artment within the
6.	Compliance Demonstration Reports/Records Applicable Previously Submitted, Date: To Be Submitted, Date (if known): Previously Submitted Test Date(s)/Pollutants Tested: To be Submitted Test Date(s)/Pollutants Tested: Note: For FESOP applications, all required compliance demonstration resubmitted at the time of application. For Title V air operation permit application reports/records must be submitted at the time compliance plan must be submitted at the time of application.	lications, all required
7.	Other Information Required by Rule or Statute Applicable	☐ Attachment

Additional Requirements for Title V Air Operation Permit Applications

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

Add	litional Requirements for Air Construction Permit Applications	
1.	Control Technology Review and Analysis (Rules 62-212.400(10) and 62-212. CFR 63.43(d) and (e))	500(7), F.A.C.; 40
	☐ Applicable	☐ Attachment
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.400(4)(d), F.A. 212.500(4)(f), F.A.C.)	A.C., and Rule 62-
	☐ Applicable	☐ Attachment
3.	Description of Stack Sampling Facilities (Required for proposed new stack satisfies)	mpling facilities
	☐ Applicable	☐ 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 Information Section that is not elsewhere provided in the application, not othe that you, the applicant, believe may be helpful.	
Add	litional Requirements Comment	

III. EMISSIONS UNIT INFORMATION A. GENERAL EMISSIONS UNIT INFORMATION

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 tem if applying for an air construction permit or FESOP only.)						
	The emissions unit.	nit addressed in this Emiss	ions Unit Information Sec	etion is a regulated				
	☐ The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.							
<u>Emi</u>	ssions Unit Descripti	on and Status						
1.	Type of Emissions U	nit Addressed in this Secti	on: (Check one)					
	process or produ	Unit Information Section a ction unit, or activity, which definable emission point (s	ch produces one or more a					
	process or produ	Unit Information Section a ction units and activities we ut may also produce fugitive	which has at least one defin					
		Unit Information Section a ction units and activities w	, .	•				
2.	Description of Emiss Emergency Engine N	ions Unit Addressed in thi	s Section:					
3.	Emissions Unit Ident	ification Number:						
4.	Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code: 49				
8.	Federal Program App	olicability: (Check all that	apply)					
	☐ Acid Rain Unit							
	☐ CAIR Unit							
9.	Package Unit Manufacturer:		Model Number:					
10.	Generator Nameplate	e Rating: MW						
11.	Emissions Unit Com 1,680 bhp (1,250 kW	ment: () diesel-fired emergency e	engine manufactured prior	to April 1, 2006.				

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>

1.	Maximum Process or Throughput Rate: 1680 BHP				
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.)

Emission Point Description and Type

1.	Identification of Point on Plo Diagram:	t Plan or Flow	2. Emission Point Type Code:1 - A single emission point serving a single emissions unit				
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 Heigh feet	t:	7. Exit Diameter: feet			
8.	Exit Temperature: ° F	9. Actual Volu Rate: acfm	metric Flow	10. Water Vapor: %			
11.	Maximum Dry Standard Flov dscfm	v Rate:	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.	5. Emission Point Comment:						

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1 1. Segment Description (Process/Fuel Type): Source Classification Code (SCC): 3. SCC Units: 1000 Gallons Distillate Oil (Diesel) Burned 20100102 **Estimated Annual Activity** 6. 4. Maximum Hourly Rate: 5. Maximum Annual Rate: Factor: .085 Million Btu per SCC Unit: Maximum % Sulfur: 8. Maximum % Ash: 139 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?
CO				Yes
NOX				Yes
PM				Yes
SO2				Yes
VOC				Yes

(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: 11.22 lb/hour to	ons/year	4.	Lin	nthet nited Yes		☑ No	
5.	Range of Estimated Fugitive Emissions (as app to to	olicable): ons/year						
6.	Emission Factor:				7.	Emissio	ns Method Code:	
	Reference:							
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 2	4-mc	onth	Period: To:		
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed M		torir	_	: 0 years	
10.	Calculation of Emissions: See Appendix C of Permit Application Narrativ	ve.						
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: NOX - Nitrogen Oxides	2. Total Percent Efficiency of Control:						
3.	Potential Emissions: 52.08 lb/hour to	ons/year	4.	Lin	nthet nited Yes		☑ No	
5.	Range of Estimated Fugitive Emissions (as app to to	licable): ons/year						
6.	Emission Factor:				7.	Emissio	ns 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. Projecto	ed M ears		torir	_	: 0 years	
10.	Calculation of Emissions: See Appendix C of Permit Application Narrativ	/e.						
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: PM - Particulate Matter - PM (Filterable)	2. Total Percent Efficiency of Control:					
3.	Potential Emissions: 3.696 lb/hour to	ons/year	4.	Lir	nthe nited Yes		☑ No
5.	Range of Estimated Fugitive Emissions (as app to to	olicable): ons/year					
6.	Emission Factor:				7.	Emissi	ons Method Code:
	Reference:						
8.a.	Baseline Actual Emissions (if required):	8.b. Baselin	ne 2	4-m	onth	Period:	
	tons/year	From:				To:	
9.a.	Projected Actual Emissions (if required):	9.b. Projecto	ed N	Moni	itorii	ng Period	d:
	tons/year	☐ 5 y	ears	S			10 years
10.	Calculation of Emissions:						
	See Appendix C of Permit Application Narrative.						
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: 3.44 lb/hour to	ons/year	4.	Lim			☑ No
5.	Range of Estimated Fugitive Emissions (as app to to	licable): 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	4-mc	nth	Period: To:	
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed M ears		orin	·) years
10.	Calculation of Emissions: See Appendix C of Permit Application Narrativ	/e.					
11.	Pollutant Potential, Fugitive, and Actual Emission	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: VOC - Volatile Organic Compounds	2. Total P	erce	ent Ef	ffici	ency of (Control:
3.	Potential Emissions: 4.15 lb/hour to	ons/year	4.	Lim			☑ No
5.	Range of Estimated Fugitive Emissions (as app to to	licable): ons/year					
6.	Emission Factor:				7.	Emissic	ons Method Code:
	Reference:						
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselin From:	ne 24	4-mo	nth	Period: To:	
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed M ears		orir	•	: 0 years
10.	Calculation of Emissions: See Appendix C of Permit Application Narrativ	/e.					
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.

G. VISIBLE EMISSIONS INFORMATION

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

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

1.	Visible Emissions Subtype:	2. Basis for Allowable Opacity:		
	VE20 - VISIBLE EMISSIONS - 20% NORMAL OPACITY		✓ Rule	☐ Other
3.	Allowable Opacity:			
	Normal Conditions: 20% Excep	otion	al Conditions:	%
	Maximum Period of Excess Opacity Allowed:			min/hour
4.	Method of Compliance:			
	EPA METHOD 9			
5.	Visible Emissions Comment:			
	Rule 62-296.320(4)(c), 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

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 vyears and would not be altered as a result of the revision being sought) Applicable Previously Submitted, Date:	
2.	Fuel Analysis or Specification (Required for all permit applications, except 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 bein Applicable Previously Submitted, Date:	tment within the
3.	Detailed Description of Control Equipment (Required for all permit application operation permit revision applications if this information was submitted within the previous five years and would not be altered as a result of the result. Applicable Previously Submitted, Date:	d to the department
4.	Procedures for Startup and Shutdown (Required for all operation permit at 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 result. Applicable Previously Submitted, Date:	tted to the department
5.	Operation and Maintenance Plan (Required for all permit applications, exception applications if this information was submitted to the depart previous five years and would not be altered as a result of the revision being Applicable Previously Submitted, Date:	tment within the
6.	Compliance Demonstration Reports/Records Applicable Previously Submitted, Date: To Be Submitted, Date (if known): Previously Submitted Test Date(s)/Pollutants Tested: To be Submitted Test Date(s)/Pollutants Tested: Note: For FESOP applications, all required compliance demonstration rec submitted at the time of application. For Title V air operation permit applicompliance demonstration reports/records must be submitted at the time of compliance plan must be submitted at the time of application.	cations, all required
7.	Other Information Required by Rule or Statute Applicable	☐ Attachment

Additional Requiremen	s for Title V Air Op	eration Permit Applications

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

Add	litional Requirements for Air Construction Permit Applications				
1.	Control Technology Review and Analysis (Rules 62-212.400(10) and 62-212. CFR 63.43(d) and (e))	.500(7), F.A.C.; 40			
	☐ Applicable	☐ Attachment			
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.400(4)(d), F.A. 212.500(4)(f), F.A.C.)	A.C., and Rule 62-			
	☐ Applicable	☐ Attachment			
3.	Description of Stack Sampling Facilities (Required for proposed new stack satisfies)	mpling facilities			
	☐ Applicable	☐ 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 Information Section that is not elsewhere provided in the application, not othe that you, the applicant, believe may be helpful.				
Additional Requirements Comment					

III. EMISSIONS UNIT INFORMATION A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

1.		g for an initial, revised or air construction permit of	r renewal Title V air opera or FESOP only.)	ation permit. Skip this
	The emissions unit emissions unit.	addressed in this Emiss	sions Unit Information Sec	etion is a regulated
	☐ The emissions unit emissions unit.	addressed in this Emiss	sions Unit Information Sec	ction is an unregulated
Emi	ssions Unit Description	and Status		
1.	Type of Emissions Unit	t Addressed in this Secti	ion: (Check one)	
	process or producti		addresses, as a single emis ch produces one or more a stack or vent).	,
	process or producti		ddresses, as a single emis which has at least one definite emissions.	, 0 1
			ddresses, as a single emis which produce fugitive em	
2.	Description of Emission Fire Water Pump No. 1	ns Unit Addressed in thi	is Section:	
3.	Emissions Unit Identifi	cation Number:		
4.	Emissions Unit Status Code: A	. Commence Construction Date:	6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code: 49
8.	Federal Program Applie Acid Rain Unit CAIR Unit	cability: (Check all that	apply)	
9.	Package Unit Manufacturer:		Model Number:	
10.	Generator Nameplate R	Rating: MW		
11.	Emissions Unit Comme 265 bhp diesel-fired fire			

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>

1.	Maximum Process or Throughput Rate: 265	ВНР	
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.)

Emission Point Description and Type

1.	Identification of Point on Plo Diagram:	t Plan or Flow	2. Emission Point Type Code:1 - A single emission point serving a single emissions unit			
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: feet		7. Exit Diameter: feet		
8.	Exit Temperature: ° F	9. Actual Volumetric Flow Rate:		10. Water Vapor: %		
11.	Maximum Dry Standard Flov dscfm	v Rate:	12. Nonstack Emission Point Height: feet			
13.	Emission Point UTM Coordin	nates	14. Emission Po	int Latitude/Longitude		
	Zone: East (km)	:		Latitude:		
	North (km)	:	I	Longitude:		
15.	Emission Point Comment:					

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1 1. Segment Description (Process/Fuel Type): Source Classification Code (SCC): 3. SCC Units: 1000 Gallons Distillate Oil (Diesel) Burned 20200102 **Estimated Annual Activity** 6. 4. Maximum Hourly Rate: 5. Maximum Annual Rate: Factor: .013 Million Btu per SCC Unit: 7. Maximum % Sulfur: 8. Maximum % Ash: 139 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	4. Pollutant Regulatory Code	Valid?
CO				Yes
NOX				Yes
PM				Yes
SO2				Yes
VOC				Yes

(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: 1.77 lb/hour to	ons/year	4.	Lin	nthet nited Yes		☑ No	
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year							
6.	Emission Factor:				7.	Emissio	ns Method Code:	
	Reference:							
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	ed M		torir	_	: 0 years	
10.	Calculation of Emissions: See Appendix C of Permit Application Narrativ	ve.						
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: NOX - Nitrogen Oxides	2. Total Percent Efficiency of Control:						
3.	Potential Emissions:	ons/year	4.	Lin			✓ No	
5.	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): 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: See Appendix C of Permit Application Narrativ	ve.						
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: PM - Particulate Matter - PM (Filterable)	2. Total P	erce	nt E	ffici	ency of	Control:	
3.	Potential Emissions: .583 lb/hour to	ons/year	4.	Lin	nthen nited 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. Baselin From:	ne 2	4-m	onth	Period: To:		
9.a	. Projected Actual Emissions (if required): tons/year	9.b. Projecto ☐ 5 y	ed N ears		torir	•	l: 10 years	
10.	Calculation of Emissions:							
11.	Pollutant Potential, Fugitive, and Actual Emissi	ons Commer	nt:					

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

(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: .543 lb/hour to	ons/year	4.	Lin	nthet nited Yes		☑ No		
5.	5. Range of Estimated Fugitive Emissions (as applicable): to tons/year								
6.	Emission Factor:				7.	Emissio	ns Method Code:		
	Reference:								
8.a.	Baseline Actual Emissions (if required): tons/year	8.b. Baselir From:	ne 24	4-m	onth	Period: To:			
9.a.	Projected Actual Emissions (if required): tons/year	9.b. Projecto	ed M ears		torir	_	: 0 years		
10.	Calculation of Emissions: See Appendix C of Permit Application Narrativ	/e.							
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: VOC - Volatile Organic Compounds	2. Total P	erce	ent Et	ffici	ency of (Control:	
3.	Potential Emissions: .655 lb/hour to	ons/year	4.	Lin			☑ No	
5.	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): 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 M ears		torir	•	l: 10 years	
10.	Calculation of Emissions: See Appendix C of Permit Application Narrativ	/e.						
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.

G. VISIBLE EMISSIONS INFORMATION

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

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

1.	Visible Emissions Subtype:	2.	Basis for Allo	owable Opacity:
	VE20 - VISIBLE EMISSIONS - 20% NORMAL OPACITY		✓ Rule	☐ Other
2				
3.	Allowable Opacity:			
	Normal Conditions: 20% Excep	ptiona	1 Conditions:	%
	Maximum Period of Excess Opacity Allowed:			min/hour
4.	Method of Compliance:			
	EPA METHOD 9			
5.	Visible Emissions Comment:			
	Rule 62-296.320(4)(c), 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

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) Applicable Previously Submitted, Date:	
2.	Fuel Analysis or Specification (Required for all permit applications, exception permit revision applications if this information was submitted to the department of the years and would not be altered as a result of the revision be Applicable Previously Submitted, Date:	artment within the
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 Previously Submitted, Date:	ed to the department
4.	Procedures for Startup and Shutdown (Required for all operation permit a V 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 Applicable Previously Submitted, Date:	itted to the department
5.	Operation and Maintenance Plan (Required for all permit applications, expermit revision applications if this information was submitted to the departure of the years and would not be altered as a result of the revision be Applicable Previously Submitted, Date:	artment within the
6.	Compliance Demonstration Reports/Records Applicable Previously Submitted, Date: To Be Submitted, Date (if known): Previously Submitted Test Date(s)/Pollutants Tested: To be Submitted Test Date(s)/Pollutants Tested: Note: For FESOP applications, all required compliance demonstration resubmitted at the time of application. For Title V air operation permit application reports/records must be submitted at the time compliance plan must be submitted at the time of application.	lications, all required
7.	Other Information Required by Rule or Statute ☐ Applicable	☐ Attachment

Additional Requirements for Title V Air Operation Permit Applications

1.	Identification of Applicable Requirements	
	☐ Applicable	☐ Attachment
2.	Compliance Assurance Monitoring Plan	
	☐ Applicable	☐ Attachment
3.	Alternative Methods of Operation	
	1	
	☐ Applicable	☐ Attachment
4.	1	☐ Attachment

Additional Requirements for Air Construction Permit Applications		
1.	Control Technology Review and Analysis (Rules 62-212.400(10) and 62-212. CFR 63.43(d) and (e))	500(7), F.A.C.; 40
	☐ Applicable	☐ Attachment
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.400(4)(d), F.A. 212.500(4)(f), F.A.C.)	A.C., and Rule 62-
	☐ Applicable	☐ Attachment
3.	Description of Stack Sampling Facilities (Required for proposed new stack satisfies)	mpling facilities
	☐ Applicable	☐ Attachment
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 Information Section that is not elsewhere provided in the application, not othe that you, the applicant, believe may be helpful.	
Additional Requirements Comment		